



SOCIAL AND ECONOMIC WELL-BEING

RAND HRS Longitudinal File 2016 (V2) Documentation

Includes 1992-2016 (Final Release)
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Preface

The Health and Retirement Study (HRS) is a longitudinal household survey conducted by the Institute for Social Research at the University of Michigan. The multidisciplinary data provide researchers the opportunity to investigate many different aspects related to population aging in the United States. The HRS is extraordinarily rich and complex. With the goal of making the data more accessible to researchers, the RAND Center for the Study of Aging, with funding and support from the National Institute on Aging (NIA) and the Social Security Administration (SSA), created the RAND HRS data products. This document describes the RAND HRS Longitudinal File.

The RAND HRS Longitudinal File is a user-friendly version of a subset of the HRS. It contains cleaned and processed variables with consistent and intuitive naming conventions, model-based imputations and imputation flags, and spousal counterparts of most individual-level variables. All is elaborately documented, with special attention to comparability of variables across survey waves.

The RAND HRS Longitudinal File is the result of three distinct data developments. With funding from the NIA, we created the RAND HRS Fat Files of each survey wave. In these files, the unit of observation is an individual Respondent. They contain most unrestricted HRS Variables. Household-level variables were assigned to its member records, information about spouses that was collected from the financially knowledgeable household member was re-assigned to the spousal record, and many data integrity checks were performed. With funding from the SSA, we created a longitudinal file with consistent naming conventions and imputations. Unlike the RAND HRS Fat Files, this longitudinal file contained only a subset of variables. It also contained some restricted variables. With subsequent funding from SSA through the Michigan Retirement Research Center (MRRC), we removed restricted data from the longitudinal file, added new cohorts and survey waves, new variables, and, in collaboration with HRS staff, made the file publicly available on the HRS website.

The RAND HRS Longitudinal File 2016 (V2) is a user-friendly file derived from all waves of the HRS. It contains cleaned and processed variables with consistent and intuitive naming conventions, model-based imputations, and spousal counterparts of most individual-level variables. The RAND HRS Fat Files contain most of the original HRS variables with household data merged to the Respondent level. There is one file for each survey year. Currently, there are files for 1992, 1993, 1994, 1995, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, and 2016. And the RAND HRS Detailed Imputations File is a longitudinal file which contains the component and ownership variables for all waves that were used in RAND HRS income, wealth, and medical expenditures summary measures. The imputations are distributed as companion files to the RAND HRS Fat Files and summary measures are incorporated into the RAND HRS Longitudinal File. All the RAND data products are available to download from the HRS website (<https://hrs.isr.umich.edu/data-products/access-to-public-data>). For more information about the RAND HRS data products, please visit the RAND Center for the Study of Aging website at <https://www.rand.org/well-being/social-and-behavioral-policy/centers/aging/dataproduct.html>.

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What's New in the RAND HRS Longitudinal File 2016 (V2)?

The RAND HRS Longitudinal File 2016 (V2) incorporates the Final Release for 2016, which includes the Late Baby Boomer cohort and the most recent versions of the cross-wave Tracker and Region and Mobility files. It contains 42,052 observations or rows. It is a Respondent-level file so each row represents a unique Respondent. It also adds new variables and makes adjustments and corrections. The current versions of the core and cross-wave data used in the RAND HRS Longitudinal File 2016 (V2) are:

- 1992 Final V1.01
- 1993 Final V2.1 (March 1998)
- 1994 Final V1.0 (September 2004)
- 1995 Final V2.0 (August 2007)
- 1996 Final V4.0 (March 2007)
- 1998 Final V2.3 (November 2003)
- 2000 Final V1.0 (April 2004)
- 2002 Final V2.0 (July 2006)
- 2004 Final V1.0 (May 2016)
- 2006 Final Release V3.0 (December 2014)
- 2008 Final Release V3.0 (December 2014)
- 2010 Final Release V5.1 (November 2017)
- 2012 Final Release V2.0 (December 2017)
- 2014 Final Release V2.0 (December 2017)
- 2016 Final Release V2.0 (December 2019)
- HRS 2016 Final Tracker (without updated 2016 weights) (January 2020)
- Cross-Wave Region and Mobility File (Early V7.1) (July 2019)
- Master ID File 2008 V1.0 (December 2009)
- Cross-Wave Imputation of Cognitive Functioning Measures 1992-2016 Final V1.0 (October 2019)
- Cross-Wave Prospective Social Security Wealth Measures of Pre-Retirees Final V5.0 (February 2016)
- Cross-Wave Prospective Social Security Wealth Measures of Pre-Retirees Wave 10 V1.0 (March 2016)

We have changed the file naming convention for the RAND HRS Longitudinal File. Previously, we used letters to denote subsequent versions (i.e., RAND HRS Version P). Now, we use the year of the latest HRS wave that is included in the longitudinal file and a version number. This current release is hence called RAND HRS Longitudinal File 2016 (V2), as this is the second RAND HRS Longitudinal File version with 2016 data.

Note to Users:

In the previous version of this codebook, we included a "Note to Users" describing a duplicate record that was removed from the 2016 Early Release Tracker file, but was still present in the RAND HRS Longitudinal File and RAND HRS Detailed Imputations File. The records in question were HHID = 056354, PN = 031 and PN = 020. Based on initial feedback from our colleagues at HRS, we have decided to keep the record for PN = 031 who was interviewed as part of a couple (with PN = 030), but follow them as PN = 020. The original record for PN = 020 has been dropped, resulting in one less record in Wave 5 (N = 19,578), and one less record in the RAND HRS Longitudinal File and RAND HRS Detailed Imputations File (N = 42,052).

New Variables:

Physical Measures Variables

Starting in Wave 8, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. During these interviews, Respondents are asked to take part in several tests to measure their health and physical ability. We have added variables to the RAND HRS Longitudinal File that summarize Respondents' scores on these tests,

as well as auxiliary variables that describe testing conditions.

We have created the following physical measures variables for Respondents (with corresponding spouse variables):

RWBPSYS: R systolic blood pressure
 RWBPDIA: R diastolic blood pressure
 RWBPPULS: R pulse
 RWBPPOS: R position during BP measures
 RWPUFF: R breathing test
 RwPUFFPOS: R position during breathing tests
 RwGRP: R hand grip strength maximum measurement
 RwGRPDOM: R dominant hand
 RwGRPL: R hand grip strength-Left hand
 RwGRPR: R hand grip strength-Right hand
 RwGRPPOS: R position during grip strength tests
 RwBALSEMI: R semi tandem balance test time
 RwBALSEMIC: R semi tandem balance test-Compensatory movements
 RwBALSBS: R side-by-side balance test time
 RwBALSBS: R side-by-side balance test-Compensatory movements
 RwBALFUL: R full tandem balance test time
 RwBALFULC: R full tandem balance test-Compensatory movements
 RwBALFULT: R full tandem balance test-Completed
 RwTIMWLK: R timed walk test time
 RwTIMWLKA: R timed walk test-Walking aid used
 RwPMBMI: R physical measure of body mass index=kg/m²
 RwPMHGHT: R physical measure of height in meters
 RwPMHGHTS: R physical measure of height-Wore shoes
 RwPMWGHT: R physical measure of weight in kilograms
 RwPMWGHTS: R physical measure of weight-Wore shoes
 RwPMWGHTF: R physical measure of weight-Floor type
 RwPMWAIST: R physical measure of waist
 RwPMWAISTC: R physical measure of waist-Bulky clothes

Exit Interview Variables

We added to the RAND HRS Longitudinal File a large set of variables derived from the HRS Exit Interviews. An HRS Exit Interview is conducted after a Respondent has died to collect end-of-life data. A proxy, often the spouse or a child of the deceased, provides the answers to the survey questions. The Exit Interview is administered only once so instead of wave-specific variables, we used the letter combination "RE" to denote Exit Interview variables. In some cases, the HRS conducts a Post-Exit Interview in order to obtain information on the estate if the estate was not yet settled at the time of the Exit Interview. Please read the documentation in the codebook sections before using the Exit Interview variables from the RAND HRS Longitudinal File.

We have created the following Exit Interview variables:

Section A: Demographics, Identifiers, and Weights

RECENDIV:EXIT Census Division, Place of death
 RECENREG:EXIT Census Region, Place of death
 REIWBEG:EXIT Interview Begin Date
 REIWEND:EXIT Interview End Date
 REIWMID:EXIT Interview Midpt Date
 REIWMIDF:EXIT Interview Midpt Date Flag
 REMPART:EXIT R Partnered
 REMSTAT:EXIT R Marital Status
 REMSTATH:EXIT R MarStat-w/o part,filled
 REPLDEATH:EXIT Place of death
 REPROXYREL:EXIT Proxy relationship to Respondent
 REPROXYSP:EXIT Proxy is spouse
 RESHHIDPN:EXIT Spouse identifier
 RESPAGEM_B:EXIT S Age (months) at Exit Ivw BegMon
 RESPAGEM_E:EXIT S Age (months) at Exit Ivw EndMon
 RESPAGEM_M:EXIT S Age (months) at Exit Ivw MidMon
 RESPAGEY_B:EXIT S Age (years) at Exit Ivw BegMon
 RESPAGEY_E:EXIT S Age (years) at Exit Ivw EndMon
 RESPAGEY_M:EXIT S Age (years) at Exit Ivw MidMon
 RET2DEATH:EXIT Time from start of final illness to death
 REXITYR:EXIT Interview Year
 REXITWV:EXIT Wave Exit Interview was Administered
 REPEXITWV1:EXIT Wave First Post-Exit Interview was Administered
 REPEXITWV2:EXIT Wave Second Post-Exit Interview was Administered
 REPEXITWV3:EXIT Wave Third Post-Exit Interview was Administered
 REXPDEATH:EXIT Death expected

Section B: Health

REALONE:EXIT R could be left alone
 REBATHH:EXIT R got help-Bathing, showering
 REBATHT:EXIT Time R got help-Bathing, showering
 REBEDH:EXIT R got help-Get in/out bed
 REBEDRID:EXIT R Bedridden
 REBEDT:EXIT Time R got help-Get in/out bed
 REDOCTIM:EXIT # Doctor visits
 REDOCTOR:EXIT Doctor visit
 REDRESSH:EXIT R got help-Dressing
 REDRESST:EXIT Time R got help-Dressing
 REDRUGS:EXIT Regularly take Rx
 REEATH:EXIT R got help-Eating
 REEATT:EXIT Time R got help-Eating
 REHALUC:EXIT R hallucinated
 REHOMCAR:EXIT Home health care
 REHOSP:EXIT Overnight hospital stay since PrvIvw before death
 REHPCNIT:EXIT Hospice Care nights
 REHPCSTY:EXIT Hospice Care stay
 REHPCTIM:EXIT Hospice Care time

REHSPNIT:EXIT # of Hospital nights since PrvIvw before death
 REHSPTIM:EXIT # of Hospital stays since PrvIvw before death
 RELOST:EXIT R lost in familiar environments
 REMEALSH:EXIT R got help-Preparing hot meals
 REMEALST:EXIT Time R got help-Preparing hot meals
 REMEDSH:EXIT R got help-Take medications
 REMEDST:EXIT Time R got help-Take medications
 REMONEYH:EXIT Help-Managing money
 RENHMDAY:EXIT Days in NH from Move/PrvIvw before death
 RENHMLIV:EXIT Lived in nursing home at time of death
 RENHMMVM:EXIT Month moved to Nurs home
 RENHMMVY:EXIT Year moved to Nurs home
 RENRSHOM:EXIT Nurs home stay
 RENRSNIT:EXIT # Nights in Nurs home
 RENRSTIM:EXIT # Nurs home stays
 REOOPMD:EXIT Mexp Amt: Out of pkt med exp
 REOOPMDF:EXIT Mexp Flag: Out of pkt med exp
 REOOPMDO:EXIT Mexp Amt: Out of pkt med exp w oth
 REOOPMDOF:EXIT Mexp Flag: Out of pkt med exp w oth
 REPHONEH:EXIT R got help-Use telephone
 REPHONET:EXIT Time R got help-Use telephone
 REPRMEM:EXIT Rate R memory 1 month prior to death
 RESHOPH:EXIT R got help-Shop for grocery
 RESHOPT:EXIT Time R got help-Shop for grocery
 RESPCFAC:EXIT Special health facility
 RESUPER:EXIT R supervised for safety
 RETOILTH:EXIT R got help-Using the toilet
 RETOILT:EXIT Time R got help-Using the toilet
 REWALKRH:EXIT R got help-Walk across room
 REWALKRT:EXIT Time R got help-Walk across room
 REWANDER:EXIT R ever wander off

Section G: Health Insurance

RECOVER:EXIT R covered by R empl plan
 RECOVS:EXIT R covered by S empl plan
 REGOVMD:EXIT R had Medicaid at death
 REGOVMDS:EXIT R had Medicaid in last 2 yrs or since PrvIvw
 REGOVMR:EXIT R had Gov plan-Medicare
 REGOVVA:EXIT R had Gov plan-CHAMPUS/CHAMPVA
 REHESRC1:EXIT Source of R empl plan #1
 REHESRC2:EXIT Source of R empl plan #2
 REHESRC3:EXIT Source of R empl plan #3
 REHIGOV:EXIT R was covered by Gov plan
 REHILTC:EXIT R had Long Term Care Ins
 RELTCPRM:EXIT Long Term Care Insurance Plan Monthly Premium
 REMRPREM:EXIT Medicare/Medicaid HMO Monthly Premium
 REPRCNT:EXIT Number of Private Insurance Plans
 REPRPRM1:EXIT Private Insurance Plan 1 Monthly Premium
 REPRPRM2:EXIT Private Insurance Plan 2 Monthly Premium

REPRPRM3:EXIT Private Insurance Plan 3 Monthly Premium
 REPRSRC1:EXIT Private Insurance Plan 1 Source
 REPRSRC2:EXIT Private Insurance Plan 2 Source
 REPRSRC3:EXIT Private Insurance Plan 3 Source
 RETYLTC:EXIT R Type of Long Term Care Ins

Adjustments, Improvements, and Corrections to the Data and Documentation:

Number of Children Ever Born

For confidentiality protection, HRS has implemented a maximum for this measure in recent years. Consequently, we now limit high values to a maximum so that RAEVBRN=11 indicates that 11 or more children were born to the Respondent.

Imputations: Income and Wealth, Medical Expenditures, and Poverty Thresholds

We have made a number of improvements to the imputation process and associated documentation, including the following:

Medical Expenditure Imputations for Exit Interviews

We now provide imputations of medical expenditures for Exit Interviews in Wave 3A forward. Details about the imputation method can be found in Section 2.3. Health Care Utilization and Medical Expenditures, and a description of the variables themselves can be found in Section B: Health, specifically the section titled, "Medical Expenditures: Out of Pocket and Total."

Poverty Thresholds (Medicare Part B and Part D Premiums)

To determine a family's poverty threshold, we use the RAND HRS measure of total household income (HwITOT) less food stamps, and add Medicare Part B premiums for cases where these had been deducted from reported Social Security payments. Previously, we assumed that everyone who reported being covered under Part B of Medicare paid premiums for 12 months. We have now implemented several rules that allow us to determine the number of months premiums were deducted from Social Security income in the last calendar year (LCY).

In Waves 9 and 10, Respondents who are enrolled in Medicare Part D are also asked how they pay their premiums. One option for payment of premiums is an automatic deduction from Social Security benefits. Those who report having premiums deducted from their benefits are asked the amount of their monthly deduction. We now provide a separate set of poverty variables for Waves 9 and 10 that take into account this additional information about Medicare Part D premiums. These include HwINPOVD, HwINPOVRD, and HwPOVHHID, which do not contain information about institutionalized family members, and HwINPOVAD, HwINPVRAD, and HwPVHHIAD, which do include this information.

For details about how we process Medicare Part B and Part D premiums, please see the "Poverty Threshold" section later in this document, as well as "Section C: Medicare Part B and Part D Premiums" in Appendix A.

IRA Withdrawals

In Wave 2A, the survey contains a series of questions for both the Respondent and spouse that ask about "regular income payments," of which "IRA distributions" is one of several response options. These are imputed separately, just as we do for the other regular income payments asked about in this question sequence. In previous versions, we had included IRA distributions in the calculation of household capital income (H2ICAP), which is part of total household income (H2ITOT).

We now have removed Wave 2A IRA distributions (withdrawals) from the calculation of H2ICAP and H2ITOT, and include the associated variables in the "IRA Withdrawals" section of the codebook.

Spouse Income in Non-coupled Households

In Wave 2A, we discovered an issue in non-coupled households that resulted in spouse income from veterans benefits (VET1 - 2), retirement or other pensions (PEN1 - 3), annuities (ANN1 - 3), IRA distributions (IRA1 - 2), stock and bonds (STK1 - 3), and other income (OTH1 - OTH3) not getting flagged appropriately prior to imputation (i.e., they should have been flagged as not requiring imputation). This resulted in 12 households where spouse amounts for VET1, PEN1, OTH1, and/or IRA1 were inadvertently imputed, thus impacting the calculation of several key summary measures, including S2IPEN/S2IOPEN (spouse retirement or other pensions), H2ICAP/H2IOCAP/H2IFCAP (household capital income), H2IOTHR/H2IOOTHR (all other household income), and H2ITOT/H2IOTOT/H2IFTOT (total household income). This issue has now been resolved.

Standardization of "Max" Bracket Amounts

In Wave 6, unbounded unfolding brackets are coded differently in the raw data than in the other waves, and our programs previously did not account for this difference, resulting in a reduced range of imputation. We have now corrected this issue. This results in higher imputed amounts in the top bracket across all of our imputations for Wave 6, including those for income, wealth, medical expenditures, and the poverty thresholds. The fraction of observations affected by this is very small, and in most cases the differences are negligible. However, there are a handful of cases (< 1.0%) where the new value is more than twice the previous value.

1. Introduction and Overview

This report documents the RAND HRS Longitudinal File, a cleaned, processed, and streamlined collection of variables derived from the Health and Retirement Study (HRS). The HRS is a national panel survey of individuals over age 50 and their spouses. Its main goal is to provide panel data that enable research and analysis in support of policies on retirement, health insurance, saving, and economic well-being. The survey elicits information about demographics, income, assets, health, cognition, family structure and connections, health care utilization and costs, housing, job status and history, expectations, and insurance.

The HRS is primarily sponsored by the National Institute of Aging (NIA), with additional funding from the Social Security Administration (SSA) and administered by the Institute for Social Research (ISR) at the University of Michigan. It consists of seven cohorts:

- Initial HRS cohort, born 1931 to 1941. This cohort was first interviewed in 1992 and subsequently every two years.
- AHEAD cohort, born before 1924, initially a separate study (The Study of Assets and Health Dynamics Among the Oldest Old). This cohort was first interviewed in 1993 and subsequently in 1995, 1998, and subsequently every two years.
- Children of Depression (CODA) cohort, born 1924 to 1930. This cohort was first interviewed in 1998 and subsequently every two years.
- War Baby (WB) cohort, born 1942 to 1947. This cohort was also first interviewed in 1998 and subsequently every two years.
- Early Baby Boomer (EBB) cohort, born 1948 to 1953. This cohort was first interviewed in 2004.
- Mid Baby Boomer (MBB) cohort, born 1954 to 1959. This cohort was first interviewed in 2010.
- Late Baby Boomer (LBB) cohort, born 1960 to 1965. This cohort was first interviewed in 2016.

In addition to Respondents from eligible birth years, the survey interviewed the spouses of married Respondents or the partner of a Respondent, regardless of age. Some of the HRS and AHEAD entry cohort Respondents were spouses of HRS- and AHEAD-eligible individuals who are age-eligible for the CODA or WB cohorts. These HRS and AHEAD spouses are given weights beginning in 1998 (Wave 4) so that they contribute to the representation of the CODA/WB birth year population. Some spouses of the initial HRS entry cohort Respondents were age 70 or older and were subsequently included in the AHEAD study. These so-called HRS/AHEAD overlap cases may thus have been interviewed in 1992, 1993, 1995, and from 1998 forward.

The RAND HRS Longitudinal File contains all seven cohorts. This document refers to the entire survey as the HRS and the 1931-41 cohort that was first interviewed in 1992 is labeled the "initial" or "original" HRS entry cohort.

The HRS contains several auxiliary files. The RAND HRS Longitudinal File now incorporates both Core Interviews and Exit Interviews. It does not include any restricted data, but does use information from the current Tracker, Region and Mobility, and Master ID files.

The data include any individual interviewed at least once. This includes individuals who were age-eligible (born in eligible years) at the time of their first interview, spouses that were not age-eligible at baseline, and spouses who married an age-eligible Respondent between survey waves.

The HRS over-samples Hispanics, Blacks, and residents of Florida, and provides weighting variables to make it representative of the community-based population.

The data described in this document are based on the 1992, 1993, 1994, 1995, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, and 2016 final data releases.

1.1. Confidentiality and Access Restrictions

The data described in this document are based on HRS public release files. Before using the data, you must obtain permission from HRS by registering with them to download the public release files. The HRS website contains information on the process to register for access

to HRS public release data (<https://ssl.isr.umich.edu/hrs>). By registering with HRS you agree to the "Conditions of Use" governing access to the data. This agreement applies to the use of other RAND HRS data products as well, NONE of which contain restricted data.

1.2. Data Files Structure

The RAND HRS Longitudinal File is distributed as a single file which includes 13 waves of the HRS. The data contain Respondents within the HRS, AHEAD, CODA, WB, EBB, MBB and LBB entry cohorts. Table 1 lists the source year of data for each of the entry cohorts, by wave. The 1993 data are treated as Wave 2 data and the 1995 data are treated as Wave 3 data for the AHEAD entry cohort. The 1994 data are treated as Wave 2 data and the 1996 data are treated as Wave 3 data for the HRS entry cohort. The AHEAD and HRS survey instruments in these years differed significantly. This documentation distinguishes between the instruments by using Wave 2A and Wave 3A to refer to the 1993 and 1995 data for the AHEAD entry cohort, and Wave 2H and Wave 3H to refer to the 1994 and 1996 data for the HRS entry cohort.

Table 1. Source of Data for Entry Cohorts in RAND HRS Longitudinal File by Wave

Wave	Entry Cohort						
	HRS HACOHORT=3	AHEAD HACOHORT=0,1	CODA HACOHORT=2	WB HACOHORT=4	EBB HACOHORT=5	MBB HACOHORT=6	LBB HACOHORT=7
1	1992	1992 (HRS/AHEAD overlaps only)	Not available				
2	1994 (Wave 2H)	1993 (Wave 2A)					
3	1996 (Wave 3H)	1995 (Wave 3A)					
4	1998	1998	1998	1998	Not available		
5	2000	2000	2000	2000			
6	2002	2002	2002	2002			
7	2004	2004	2004	2004	2004	Not available	
8	2006	2006	2006	2006	2006		
9	2008	2008	2008	2008	2008		
10	2010	2010	2010	2010	2010	2010	Not available
11	2012	2012	2012	2012	2012	2012	
12	2014	2014	2014	2014	2014	2014	
13	2016	2016	2016	2016	2016	2016	2016

The unit of observation is an individual. Each individual is uniquely identified by a household ID (HHID) and a person number (PN). We combined these variables into a single ID variable, HHIDPN (HHIDPN: HHold ID + Person Number /Num), where $HHIDPN = 1000 \times HHID + PN$.¹ This file may be merged with other HRS data by HHIDPN.

The HRS samples at the household level. In a couple household, even if only one individual is age-eligible for the study, BOTH individuals are given an interview and treated as respondents. Please refer to our FAQ, which include various spouse-related questions, for more information (<https://www.rand.org/well-being/social-and-behavioral-policy/centers/aging/dataproduct/faq.html>).

The RAND HRS Longitudinal File is distributed in SAS, Stata, and SPSS formats, as one file that includes all 13 waves.

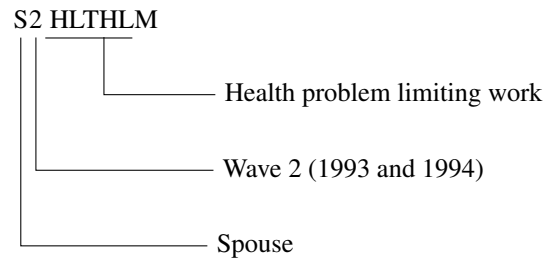
1.3. Variable Naming Conventions

With few exceptions, variable names in the RAND HRS Longitudinal File follow a consistent pattern. The first character indicates whether the variable refers to the reference person ("R"), spouse ("S"), or the household ("H").² The second character indicates the wave to which the variable pertains: "1," "2," "3," "4," "5," "6," "7," "8," "9," "10," "11," "12," "13," "A," or "E." The "A" indicates "all," i.e., the variable is not specific to any single wave. An example is RABDATE, the birth date of the Respondent. The "E" indicates "Exit," for variables that contain data from Exit Interviews that take place after death. An example is REMSTAT, the marital status of the Respondent at time of death.

The remaining characters describe the concept that the variable captures. For example:

¹This HHIDPN variable is numeric. Also available is RAHHIDPN (RAHHIDPN: HHold ID + Person Num /9-Char), its 9-character string equivalent.

²The reference person need not be the person who responded to the question. It is the person whose information is central to the data file observation.



Variable S2HLTHLM captures whether the spouse of the reference person experiences an impairment or health problem that limits the kind or amount of paid work s/he can do. The name of the variable does not indicate who provided the information. For example, the spouse's health problem may have been reported by the spouse himself or herself, or it may have been reported by the reference person as a proxy. The HRS obtains many variables, particularly on financial and family matters, by proxy.

In the text below, we may refer to variables such as SwHLTHLM for example, without specifying the wave. This reference points at the group of variables S1HLTHLM, S2HLTHLM, S3HLTHLM, S4HLTHLM, S5HLTHLM, S6HLTHLM, S7HLTHLM, S8HLTHLM, S9HLTHLM, S10HLTHLM, S11HLTHLM, S12HLTHLM and S13HLTHLM.

Variable labels also follow a consistent pattern. The first characters denote the name of the variable, followed by a colon. Then follows the wave to which the variable pertains (W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, OR W13). The remainder of the label describes the concept that the variable captures. For example, the variable label of S2HLTHLM is:

S2HLTHLM: W2 Hlth problems limit work

It may seem duplicative to include the name of the variable and the wave in the variable label. However, SAS often suppresses the variable name and instead uses its label in the presentation of results.

1.4. Missing Values

Variables may contain missing values for several reasons. SAS and Stata offer the capability to distinguish multiple types of missing values, and we have attempted to record as much information as possible. SPSS does not support multiple missing codes. Generally, the codes adhere to the classification in Table 2.

Table 2. Missing Codes

Code	Reason for missing
.	Reference person did not respond to this wave
.D	Don't know
.R	Refused
.X	Does not apply (specifics depends on variable)
.Q	Data not available because the question was not asked
.U	Reference person is not married (for spouse variables)
.V	Spouse did not respond this wave (for spousal variables)
.S	Information not available due to skip patterns, typically because the interview is by proxy Respondent
.M	Other missing
	a. No live interview (SwDDATEF, SwNDATEF) b. No mars, likely nev mar (RwMNEV) c. In NHM (R/SwHOMCAR) d. No utilization (R/SwTOTMBF) e. Not a pension, other (R/SwTYPF1-R/SwTYPF4) f. No Plan (R/SwCOVRT) .N g. None (R/SwHECOV1-R/SwHECOV3) h. No respondent employer-p (R/SwHERTR1-R/SwHERTR3, R/SwHERTS1-R/SwHERTS3, R/SwHERET) i. Cog not asked (re-IW)/1 (R/SwMO, R/SwDY, R/SwYR, R/SwDW, R/SwSCIS, R/SwCACT, R/SwPRES, R/SwVP, R/SwVOCAB) j. No retirement plans (R/SwRETWSP, R/SwRETINC, R/SwRETLIV) k. Not retired (R/SwRETSAT, R/SwRYRCMP)
.Y	No Exit Interview, No Death Recorded (for exit variables)
.Z	No Exit Interview, Death Recorded (for exit variables)

The coding scheme varies across variables. .N is defined differently in various sections. Consult the Data Codebook section of this document for details on individual variables.

Stata introduced the ability to distinguish multiple types of missing values beginning in Version 8. The RAND HRS files in Stata format are for use with Version 11 SE or later.

2. Conceptual Variables

Only a few variables in the RAND HRS Longitudinal File are unchanged copies of raw HRS variables. Most variables have undergone some processing, and many are the result of more than one HRS variable. Generally, the codebook indicates the names of HRS variables that were used to construct the relevant variable.

Some variables, such as *RwJLTEN* (tenure on longest job) and *RwMLEN* (duration of longest marriage) required elaborate manipulation of many variables from several sections of the HRS, but are conceptually straightforward. This section documents variables whose construction involved substantive judgments of key research concepts: health, health change, medical expenditures, and wages.

2.1. Health Indices

We define and derive four groups of health indices: several functional limitation indices, one depression index, one health problem index, and a body mass index. We also include cognitive health indices for which the HRS has provided imputations. A description of each index follows.

2.1.1. Functional Limitations

The RAND HRS Longitudinal File contains six primary functional limitation indices. We chose these indices for their comparability with studies that measure functional limitations, our assessment of their quality, and for consistency across survey waves. We first derive a variable that indicates if the Respondent had difficulty performing a task (0=no difficulty; 1=difficulty). The exact question asked of the Respondent varies slightly across the survey waves. The responses defined by HRS are quite different in Wave 1 compared to other waves, so we do not include these measures for Wave 1.³ Our measure of difficulty is defined to be comparable across the rest of the waves. The codebook provides details on the definition and calculation of 'difficulty' for all waves. All indices are the sum of the number of difficulties a Respondent has completing a particular set of tasks, and uses a definition of difficulty that is comparable across waves. Each index and the set of tasks used in the index are defined below. The variable name, for an unspecified wave, is given in parenthesis next to the index name.

Mobility (RwMOBILA): The five tasks included in the mobility index are walking several blocks, walking one block, walking across the room, climbing several flights of stairs and climbing one flight of stairs. Note that this index is missing for AHEAD entry cohort Respondents and their spouses in Wave 2, because one or more of the elements in the index is not available in Wave 2A.

Large Muscle (RwLGMUSA): The four tasks included in the large muscle index are sitting for two hours, getting up from a chair, stooping or kneeling or crouching, and pushing or pulling a large object. Note that this index is missing for AHEAD entry cohort Respondents and their spouses in Wave 2, because one or more of the elements in the index is not available in Wave 2A.

Activities of Daily Living (RwADLWA, RwADLA): We define two activities of daily living indices. *RwADLWA* follows Wallace and Herzog (1995) and includes three tasks: bathing, eating, and dressing. *RwADLA* includes five tasks: bathing, eating, dressing, walking across a room, and getting in or out of bed.

Gross Motor Skills (RwGROSSA): The four tasks in this index are chosen because of their consistency across waves. They include walking one block, walking across the room, climbing one flight of stairs, and bathing. Note that this index is missing for AHEAD entry cohort Respondents and their spouses in Wave 2, because one or more of the elements in the index is not available in Wave 2A.

Fine Motor Skills (RwFINEA): The three tasks included in this index are: picking up a dime, eating, and dressing.

Instrumental Activities of Daily Living (RwIADLA, RwLMCOGA, RwIADLZA): Not all waves ask the same Instrumental Activities of Daily Living (IADL) tasks. The usual IADLs were not asked in Wave 1. *RwIADLA* is consistent across all survey waves starting with Wave 2 and include: using a telephone, taking medication, and handling money. The tasks of *RwIADLZA* are asked in Wave 2A and from Wave 3 forward and include: using a telephone, taking medication, handling money, shopping, preparing meals.

³For Wave 1 only, we provide another measure of difficulty as defined in Wallace and Herzog (1995). The names of variables using this definition end in the letter "W." These are not comparable to the "some difficulty" measures in other waves.

2.1.2. Mental Health (RwCESD)

Depression (RwCESD): We derive one mental health index, RwCESD, using a score on the Center for Epidemiologic Studies Depression (CESD) scale. The CESD score (RwCESD) is the sum of six "negative" indicators minus two "positive" indicators. The negative indicators measure whether the Respondent experienced the following sentiments all or most of the time: depression, everything is an effort, sleep is restless, felt alone, felt sad, and could not get going. The positive indicators measure whether the Respondent felt happy and enjoyed life, all or most of the time. In Wave 1 the allowable responses to these questions are quite different than those in other waves, so this measure is not derived for Wave 1.

Cognition: The HRS has selected a set of measures related to cognitive function that are collected fairly consistently across waves, and have imputed values for them when they are missing. The imputations are publicly available from the HRS website⁴, and we have included them in the RAND HRS Longitudinal File. The selected cognitive functioning measures include immediate and delayed word recall, the serial 7s test, counting backwards, naming tasks (e.g., date-naming), and vocabulary questions. In addition to the individual cognitive functioning measures, the HRS also derived three cognition summary indices, which we include in the RAND HRS Longitudinal File. The total recall index (RwTR20, R1TR40, RwATR20, RwHTR40) is available in all waves and summarizes the immediate and delayed word recall tasks. In Waves 1 and 2H, the recall wordlist contained 20 words, while in all other waves it contained 10. Thus the scores range from 0 to 40 in Waves 1 and 2H and from 0 to 20 in other waves. The mental status index (RwMSTOT, R2AMSTOT) sums scores from counting, naming, and vocabulary tasks and is available for Wave 2A and from Wave 3 forward. This reflects the absence of some of these tests in Waves 1 and 2H. A total cognition score (RwCOGTOT, R2ACGTOT) sums the total recall and mental status indices. Because the mental status index is missing for Waves 1 and 2H, the total cognition index is also missing for these waves.

2.1.3. Health Conditions (RwCONDE)

We derive one health problem index, RWCONDE that is the sum of indicators for whether a doctor has ever told the Respondent that s/he has ever had a particular disease. The eight included diseases are: high blood pressure, diabetes, cancer, lung disease, heart disease, stroke, psychiatric problems, and arthritis. In interviews after the baseline, prior responses were preloaded.⁵ Each disease condition indicator variable has a corresponding flag variable that indicates whether the Respondent disputed the previous wave's indicator and whether the Respondent later denied having the condition through such a dispute. Note that the RwCONDE time series is not appropriate for tracking changes in the prevalence over time, and the individual variables without disputes incorporated should be used instead. These are available as a series of variables that recode the raw responses found in the HRS data.

2.1.4. Body Mass (RwBMI)

We derive one body mass index (RwBMI) that is calculated as weight divided by the square of height. Height is converted into meters and weight into kilograms. Beginning in Wave 3, height is only asked of new Respondents, but weight is asked in every wave. For Respondents being re-interviewed, height is carried forward from their first interview.

⁴Please refer to [Health and Retirement Study Imputation of Cognitive Functioning Measures \(1992 - 2016\) \(Version 1.0\) Data Description \(McCammon et.al., October 2019\)](#) for details on the imputation method.

⁵The term "preloading" refers to information from a prior wave that the interviewer uses to prompt the Respondent. For example, suppose a Respondent indicated in Wave 2 that s/he had been diagnosed with diabetes. In Wave 3 questions, the interviewer will use this information. Typically, the Respondent is allowed to challenge preloaded information.

2.2. Health Change

We define and derive four groups of indices for health change: overall health, functional limitations, diagnosis, and subjective mortality risks. The health change indices are chosen for their quality in assessing health change and for their consistency across waves. Health change is calculated as health status in the current wave minus health status in the previous wave.

If a Respondent did not answer a health question in a certain wave (item non-response), the corresponding health change variable in that wave is set to missing. Similarly, if a Respondent did not participate at all in a certain wave (interview non-response), the corresponding health change variable in that wave is set to missing. If s/he did participate in the next wave, the health change variable of that next wave will be based on the most recent wave in which the Respondent participated, i.e., the change pertains to a change over four years instead of two. (Should the response to the health question in that most recent participatory wave be missing, the change will also be missing.) Separate flag variables indicate how many interviews were missed prior to the current wave. Additional flag variables are included to indicate that the Respondent disputed preloaded information.

2.2.1. Change in Overall Health

Change in Self-reported Health (RwSHLTC): These variables measure the change in self-reports of health categories "excellent," "very good," "good," "fair," and "poor." The health categories are numbered from 1 (excellent) to 5 (poor), so that positive values of the change in self-reported health denote deterioration. This measure is not available in the baseline wave.

Self-report of Health Change (RwHLTC): The HRS also directly asks about changes in health. The responses may be "much better" (1), "somewhat better" (2), "same" (3), "somewhat worse" (4), and "much worse" (5). Higher values denote a health deterioration. In Wave 1 for the HRS entry cohort and Wave 2 for the AHEAD entry cohort, the change in health is relative to one year ago; in subsequent waves, the changes are relative to the previous interview, two years ago.

2.2.2. Change in Functional Limitations

Activities of Daily Living (RwADLC): This variable measures the change in the index for activities of daily living (RwADLA). See above for more information on this index. It is not available in the baseline wave. Because of problems in the underlying HRS data, it is not available until Wave 3 for the HRS entry cohort.

Gross Motor Skills (RwGROSSC): This variable measures the change in the index for gross motor skills (RwGROSSA). See above for more information on this index. It is not available in the baseline wave. Because of problems in the underlying HRS data, it is not available until Wave 3 for the HRS entry cohort.

Fine Motor Skills (RwFINEC): This variable measures the change in the index for fine motor skills (RwFINEA). See above for more information on this index. It is not available in the baseline wave. Because of problems in the underlying HRS data, it is not available until Wave 3 for the HRS entry cohort.

2.2.3. Change in Diagnoses of Specific Health Conditions

We derive one set of variables that measure the increase in the number of health conditions since the last interview. The number of health conditions (high blood pressure, diabetes, cancer, lung disease, heart disease, stroke, psychiatric problems, arthritis) is captured in variables RwCONDE (see above); the increase since the last interview is in RwCONDS. It is not available in the baseline wave.

2.2.4. Change in Assessment of Relative Mortality

Change in Relative Probability of Living to Age 75 or 85 (RwLIV75C, RwLIV85C): We constructed two sets of variables that measure change in relative mortality risk. The HRS asks for subjective probabilities of living to age 75 and to age 85. We first computed the ratio of these reported probabilities to the probability implied by the annual Vital Statistics life tables (controlling for age and sex). The annual table used corresponds to the interview year. We then take the difference in relative mortality risks between waves. These indices are not available in the baseline wave.

In Waves 2A (AHEAD 1993), 3A (AHEAD 1995), and from Wave 5 (HRS 2000) forward, the wording for the question analogous to the

subjective probability of living to age 85 changed significantly enough that the change variable is no longer longitudinally consistent. Please see the description of these variables in the Data Codebook for more details.

2.3. Health Care Utilization and Medical Expenditures

The construction of health care utilization and medical expenditures variables is complicated by differences in the questions across waves. Health care utilization questions are asked in all waves, but the categories of care differ. Medical expenditure questions can be divided into two broad types: out-of-pocket expenditures, which are costs paid by the household, and total medical expenditures, which encompass costs incurred by both the household and by insurance plans on behalf of household members.

Individual out-of-pocket medical expenditure components are summed to create the two total out-of-pocket medical expenditure measures found here and in the RAND HRS Detailed Imputations File. For each measure, a flag indicates whether any or all of its components have been imputed. Individual medical expenditure components and imputation flags are available in the RAND HRS Detailed Imputations File.

Medical expenditure measures are reported at the Respondent level, with one exception. In Wave 2A, the Financial Respondent reports the medical expenditures for her/himself and spouse, yielding household-level data.

2.3.1. Health Care Utilization

In Wave 1 (1992), Respondents are asked about hospital stays and their duration, nursing home stays and their duration, doctor visits and their number, and home health care in the twelve months prior to the interview. In Wave 2A (1993), Respondents are asked about hospital stays and their duration, nursing home stays and their duration, doctor visits and their number, prescription drugs and their quantity, outpatient surgery and dental care in the twelve months prior to the interview. In addition to the utilization questions asked of the Respondent about her/himself, in Wave 2A, some utilization questions are also asked of the Financial Respondent about the entire household.⁶ In Wave 2H (1994), the Respondents are asked about the same types of services as Wave 1, plus prescription drug use since the previous interview (for re-interviews) or in the previous two years (for new interviewees). In Wave 3H (1996), Respondents are asked about hospital stays and their duration, nursing home stays and their duration, doctor visits and their number, prescription drugs and their quantity, outpatient surgery, dental care, home health care and special facility services, and the reference period is since the previous interview (for re-interviews) or in the previous 2 years (for new interviews), and from then on, the utilization questions are consistent.

2.3.2. Out-of-Pocket Medical Expenditures

Core Interview

In Wave 1, there are no questions asked about the costs of health care services. In Wave 2A, only the Financial Respondent is asked to estimate out-of-pocket expenses in the last 12 months for the entire household for two service categories: nursing home stays and all other medical expenditures without specific reference to any of the reported utilization. In Wave 2H (1994), and in all waves going forward, both Financial and non-Financial Respondents are asked whether health care costs are covered fully or partially by insurance and asked to estimate out-of-pocket medical expenditures since the previous interview (for re-interviews) or in the previous two years (for new interviews). If Respondents are unable to provide exact estimates, a series of follow-up unfolding bracket questions are asked. In Wave 2H, Respondents are asked to report an estimate of out-of-pocket costs that considers all service categories together. From Waves 3-5, Respondents are asked about out-of-pocket spending in four categories: (1) hospital and nursing home costs; (2) doctor, dentist and outpatient surgery costs; (3) average monthly prescription drug costs; and (4) home health care and special facilities or services costs. Beginning in Wave 6, the number of categories expands to eight: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care; and (8) special facilities costs. Beginning in Wave 10, a ninth category seeks to capture any additional out-of-pocket medical expenditures that cannot be assigned to any of the other categories.

In Wave 8 only, Respondents are asked different questions about out-of-pocket prescription drug costs depending on whether or

⁶The Financial Respondent is asked questions about whether either in a couple has had any hospital stays, nursing home stays, doctor visits, outpatient surgery, dental care, prescription drugs, home health care, and other services, but is not asked to quantify any of these. When a Respondent's individual answers about her/himself and the Financial Respondent's household-level information are both available and in disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use household-level data to fill in missing Spouse information.

not they have enrolled in Medicare Part D. For those whose prescription drug use and cost are unaffected by Medicare Part D, the reported or imputed monthly average is multiplied by 24 months to estimate drug costs for the last two years. For those enrolled, two questions ask if their use or costs of prescription drugs changed. If the answer to either of these questions is "yes," then Respondents report two average monthly out-of-pocket amounts: one for the 12 months prior to coverage under Part D and another for the 12 months after. Total prescription drug costs for the last two years in Wave 8 is, then, calculated as:

$$R8MDRUG = [\# \text{ Months post-Part D} * \text{expenses post-Part D}] + [(24 - \# \text{ Months post-Part D}) * \text{expenses pre-Part D}]$$

The variable `RwPARTD` contains the flag for Medicare Part D status, and has the following values: 0 = No Part D, 1 = Part D but no change, and 2 = Part D and change in use or cost. The variable `R8MDRUG` can be found in the RAND HRS Detailed Imputations File.

Exit Interview

In Wave 1 and Wave 2A, there are no Exit Interviews. In Wave 2H, we do not provide medical expenditure variables due to limited information for this wave. From Wave 3 forward, medical utilization questions cover the period between the last interview and time of death. The Respondent's Proxy is asked whether health care costs are covered fully or partially by insurance, and to estimate out-of-pocket medical expenditures between the last interview and time of death. If the Respondent's Proxy is unable to provide exact estimates, a series of follow-up unfolding bracket questions are asked.

For Exit Interviews conducted in Waves 3, 4 and 5, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital and nursing home costs; (2) doctor visit costs; (3) average monthly prescription drug costs; (4) home health care and special facilities or services costs; (5) hospice costs; and (6) other out-of-pocket medical expenditure costs.

For Exit Interviews conducted from Wave 6 to Wave 9, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) average monthly prescription drug costs; (5) home health care costs; (6) special facilities costs; (7) hospice costs and (8) other out-of-pocket medical expenditure costs.

For Exit Interviews conducted in Wave 10 forward, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care costs; (8) special facilities costs; (9) hospice costs, and (10) other out-of-pocket medical expenditure costs.

2.3.3. Total Medical Expenditures

Core Interview

In Waves 1 and 2, there are no questions about the total costs of all medical services. In Wave 3H, Respondents are asked to estimate total medical costs for all medical services since the previous interview. If the Respondent does not provide an exact amount, unfolding bracket follow-up questions are asked. In Wave 3A and from Wave 4 to Wave 6, an exact amount of total expenditures is not asked; all Respondents are directed into unfolding bracket questions. Starting in Wave 7, there are no questions about total medical expenditures.

Exit Interview

We do not create Exit Interview equivalents of the Core total medical expenditures variables (`R3TOTMD/S3TOTMD`, `R3TOTMDF/S3TOTMDF`, `RwTOTMBI/SwTOTMBI`, `RwTOTMBF/SwTOTMBF`).

2.3.4. Imputation Process

Where applicable, we impute out-of-pocket medical expenditures and total medical expenditures. We do not impute utilization. We do, however, include in the RAND HRS Detailed Imputations File a series of "ownership" variables that indicate if the Respondent paid out-of-pocket for at least some portion of a particular medical expense. These variables are also not imputed.

2.3.4.1 Out-of-Pocket Medical Expenditures

Core Interview

Beginning with Wave 3, we impute out-of-pocket medical expenditures across all waves using the following method. If a Respondent reports using a given service category and reports that insurance partially covered or did not cover costs for that category, we use the exact amount s/he reports.⁷ Approximately half of those who report using a given service do not provide an exact amount; for those cases, we impute an exact amount using bracketed responses. With one exception, the imputation algorithm for imputing complete brackets and exact amounts for out-of-pocket medical expenditures is the same as the algorithm used for imputing complete brackets and exact amounts for income and wealth; it is described in detail in Section 3. As previously mentioned, we do not impute "ownership" for out-of-pocket medical expenditures.

The one difference between the out-of-pocket medical expenditures imputation process and the income and wealth imputation process occurs when we impute exact amounts for nursing home costs. Specifically, when the imputation methods for medical expenditures in the Core Interview data were developed, it was found that the tobit model we use for open-ended brackets in the income and wealth imputations fit the medical expenditures data poorly, and that nearest neighbor imputations better reflected the distribution. Therefore, the nearest neighbor is used for such cases in the medical expenditures imputation.

The imputation model predictors are age, age-squared, education, subjective health status, gender, marital status, race, whether an individual has any health insurance, whether an individual reported a hospital or nursing home stay, number of doctor visits, and whether the hospital, nursing, or doctor visit data are missing. A zero value is assigned to each category where Respondents report not using a given service category or report that insurance fully covered all associated costs. Expenditures are then summed across service categories to calculate total out-of-pocket expenditures. The procedure produces an imputed value for out-of-pocket medical expenditures for all individuals in the sample, including those with missing data.

For Wave 2A, the imputation process is slightly different. We start by imputing out-of-pocket expenditures in the two service categories in Wave 2A, nursing home expenses and all other medical expenses, both of which are reported at household-level by the Financial Respondent. If an exact amount is not provided, bracketed responses are available for both categories. There is an additional step in the imputation process for Wave 2A because the out-of-pocket expense also needs to be allocated to individuals in couple households.

Two different allocation processes are used for the spending categories. There is one couple household where both members report a nursing home stay. For this case, the household-level expense is allocated to the individuals based on the relative length of all stays. For all other households, the individual who has the nursing home stay is allocated the household-level amount.

The imputation for all other medical expenses is carried out at the household-level first, and then allocated to individuals in a second step. For consistency with other waves, values are derived for non-nursing home out-of-pocket expenses only if a Respondent reports using at least one service category other than nursing home stay and reports having partial or no insurance for any of those categories. Consistent with other waves, if an exact expenditure is reported, we use that value. If an exact amount is not reported, we impute an exact amount using bracketed responses with the same imputation algorithm used for income and wealth⁸ and the same covariates that are used for medical expenditure imputations described above. For the household-level imputation, both male and female covariates are used. If the household is a single individual or if only one individual in a couple reports any utilization, the total imputed household-level amount is assigned to that individual.

Two additional imputation models are used in order to allocate the expense among the couples where both have any service not covered by insurance. In these models, the sample and covariates are at the Respondent level. In the first model, we assume the Financial Respondent is missing the expense and assign the Spouse the entire imputed household-level amount. In the second model, we reverse the situation, assuming the Spouse is missing the expense. We use the resulting imputed expenses only to calculate a proportion based on the Financial Respondent's expense imputed from the first model and the Spouse's expense imputed from the second. We use that proportion to allocate the imputed household-level expense to each individual. The individually allocated amount is then summed with the out-of-pocket nursing home expense.

⁷Some Respondents report using a particular service (e.g., hospital stays), and insurance did not pay the full cost. However, when asked how much they paid out-of-pocket for that service, they give an amount of "0" dollars. We treat these Respondents as "owners", since the costs may have been picked up by someone other than the Respondent.

⁸Again, we do not impute ownership for medical expenditures. See Section 3 for complete details on the Income and Wealth imputation methodology.

In addition to the estimate of the Respondent's total out-of-pocket spending, we also provide the imputed household-level amount (H2OOPMD). For some households, no uncovered expenses are reported, but some out-of-pocket medical expenses (excluding nursing home) are. These probably represent expenses for services not specifically asked about, such as durable medical equipment or over-the-counter drugs. If no uncovered expenses are reported, H2OOPMD is set to zero, even if some out-of-pocket expense is given. A second version of total out-of-pocket expenses is imputed without restricting the sample to those reporting an uncovered medical expense. This is included on the file as H2OOPMA.

Exit Interview

Beginning with Wave 3, we impute out-of-pocket medical expenditures across all waves using the following method. If a Respondent's Proxy reports using a given service category and reports that insurance partially covered or did not cover costs for that category, we use the exact amount s/he reports.⁹ For those who report using a given service but do not provide an exact amount, we impute an exact amount using bracketed responses. With two exceptions, the imputation algorithm for imputing complete brackets and exact amounts for out-of-pocket medical expenditures in the Exit Interviews is the same as the algorithm used for imputing complete brackets and exact amounts for income and wealth; it is described in detail in Section 3. As previously mentioned, we do not impute "ownership" for out-of-pocket medical expenditures.

The first difference between the out-of-pocket medical expenditures imputation process and the income and wealth imputation process occurs when we impute exact amounts for nursing home costs. Specifically, when the imputation methods for medical expenditures in the Core Interview data were developed, it was found that the tobit model we use for open-ended brackets in the income and wealth imputations fit the medical expenditures data poorly, and that nearest neighbor imputations better reflected the distribution. Therefore, the nearest neighbor is used for such cases in the medical expenditures imputation. We adopted this as well for the Exit Interview data.

The second difference is that we pool Exit Interview data across waves for the medical expenditure imputations. This is because there are naturally fewer Exit Interviews than Core Interviews. The pooled waves vary by the type of medical expenditure. Table 3 shows how the waves were pooled, as well as the types of medical expenditures available for each wave.

Table 3. Exit Interview Imputation Pools and Types of Medical Expenditures by Wave

		Medical Expenditure Type*													
Year	Wave	REMOPS	REMDENT	REMHOSP	REMNHM	REMHHC	REMSPEC	REMDR	REMDRUG	REMCHSP	REMOTHX				
1995	3	Not Asked	Not Asked	Combined as REMHPNH		Combined as REMHCSP									
1996	3														
1998	4														
2000	5														
2002	6														
2004	7														
2006	8														
2008	9														
2010	10														
2012	11														
2014	12														
2016	13														

*Out-of-pocket costs for outpatient surgery (REMOPS), dentist (REMDENT), hospital (REMHOSP), nursing home (REMNHM), hospital + nursing home (REMHPNH), home health care (REMHHC), special facilities (REMSPEC), home health care + special facilities (REMHCSP), doctor visits (REMDR), prescription drugs (REMDRUG), hospice (REMCHSP), and other medical expenditures (REMOTHX).

So, for example, in Waves 3-5, the surveys ask about out-of-pocket hospital and nursing home costs combined, whereas in Waves 6-9, they are asked as separate questions. Therefore, Waves 3-5 and Waves 6-9 are pooled for the associated imputations. The variables in the table above are available in the RAND HRS Detailed Imputations File, and are summed to create the two total out-of-pocket medical expenditure measures found here and in the RAND HRS Detailed Imputations File.

The imputation model predictors are age at death, age at death squared, log of months since death, education, subjective health status at last live interview, gender, marital status, race, whether an individual had any long term care insurance, whether an individual

⁹Some Respondent's proxies report using a particular service (e.g., hospital stays), and insurance did not pay the full cost. However, when asked how much the Respondent paid out-of-pocket for that service, they give an amount of "0" dollars. We treat these Respondents as "owners", since the costs may have been picked up by someone other than the Respondent.

had any Medicare coverage at time of death, Medicare coverage for doctor visits, Medicare prescription drug coverage, or Medicare supplemental coverage, whether an individual had any Medicaid coverage at time of death, whether an individual reported a hospital, hospice, or nursing home stay, number of doctor visits, and whether the hospital, nursing, or doctor visit data are missing. A zero value is assigned to each category where Respondents report not using a given service category or report that insurance fully covered all associated costs. Expenditures are then summed across service categories to calculate total out-of-pocket medical expenditures. The procedure produces an imputed value for out-of-pocket medical expenditures for all individuals in the sample, including those with missing data.

2.3.4.2 Total Medical Expenditures

Core Interview

Questions about total medical expenditures are asked in Waves 3-6, but Respondents are only asked to estimate an exact amount in Wave 3H. For Wave 3H, we provide variables that contain the imputed amounts (R3TOTMD) and brackets (R3TOTMBI). For Waves 3A, and for Waves 4-6, there are no questions asking about exact total medical expenditures. Rather, all Respondents are directed into unfolding bracket questions. For these waves, we impute complete brackets when incomplete bracket information is provided (RwTOTMBI) using the imputation methods described above. However, since the HRS did not ask for the exact amount of total expenditures (except in Wave 3H), we cannot impute these amounts by the nearest neighbor approach. Instead, we estimate an ordered logit model, and impute based on the predicted value plus a random draw from the residual distribution, analogous to the approach that was followed for open-ended brackets in the Income and Wealth imputations. Beginning in Wave 7, questions about total medical expenditures are dropped from the survey.

Exit Interview

We do not create Exit Interview equivalents of the Core total medical expenditures variables (R3TOTMD/S3TOTMD, R3TOTMDF/S3TOTMDF, RwTOTMBI/SwTOTMBI, RwTOTMBF/SwTOTMBF).

2.4. Wages

We construct wages using data on labor earnings and labor supply from the HRS Employment Section. This section focuses on the Respondent's main job. The HRS first asks Respondents whether they are currently working, unemployed, temporarily on leave, disabled, retired, or a homemaker. From individuals currently working for pay, the HRS asks to report normal hours per week and weeks per year worked on the main job. All individuals are asked whether they receive a regular salary, work by the hour, perform piecework, or get paid in some other manner. Regardless of the answer, they are then allowed to report their earnings from their main job in any interval they desire. That is, they can report their earnings as hourly, weekly, biweekly, monthly, yearly, or over some other interval. Self-employed individuals are also asked to report any profits they receive from their main job.

The RAND HRS Longitudinal File contains both hourly and weekly wages. Hourly are stored in variables RwWGIHR; weekly wages in RwWGIWK. We scale reported earnings up or down to arrive at hourly and weekly wages as necessary. For example, if a Respondent reports an hourly wage then we assign that as her/his hourly wage and multiply it by reported hours worked per week to calculate the weekly wage. Individuals reporting a weekly wage are assigned that as their weekly wage and their weekly wage divided by hours worked per week as their hourly wage. We include both hourly and weekly wages in the data so that a wage rate is available even if hours worked per week is missing. Annual wages are scaled down in a similar fashion by annual number of weeks worked. We assume that biweekly and monthly wages represent wages for two and 52/12 weeks, respectively. We treat self-employed profits identically to earnings. Flag variables indicate whether the wage rate is self-reported, derived from self-employed profits, or imputed (see below). We do not include overtime wages in our figures. All wages are reported in nominal dollars.

The wage rate variables are missing for individuals who are out of the labor force or who did not provide sufficient information to calculate an hourly or weekly wage. Out of the labor force includes retired, disabled, on temporary leave, and homemakers. Missing rates increase as the number of retirees increase but decrease at the waves in which a new, younger cohort is added (Waves 4, 7, 10, 13). The means and medians of these calculated wages appear to be within reason across waves and are consistent with labor income reported in the assets and income section.

We impute wages for the unemployed. We use two methods for imputing such wages. First, the unemployed are asked to

report the wage on their last job since the previous interview. If available, we use that wage as the current wage. If not available, we take the wage reported in the previous wave. If that wage is not available either, we proceed backwards through successive waves until we find a valid wage for that individual. This includes using information from the individual's Wave 1 job history file, if necessary. The prior wage is then adjusted to the current interview year using CPI-U. This method produces an imputed wage for approximately 90 percent of unemployed individuals. For the remaining unemployed, we predict wages from the full sample using a regression of (the logarithm of) wages on age, age-squared, education, race, marital status, whether unemployed in any wave, and Census region of residence. We include flag variables (RwWGFHR for hourly and RwWGFWK for weekly wages) to indicate whether a wage rate was imputed, and which imputation method was used.

3. Income and Wealth Imputations

3.1. Background

The RAND HRS data contain a number of income and wealth variables. Where missing, we impute their values. In this section, we give an overview of the question sequences and imputation methods. A detailed technical description can be found in Hurd, Meijer, Moldoff, and Rohwedder (2016).¹⁰

Most HRS and AHEAD questions on wealth and income follow the same pattern. Consider holdings of stocks and mutual funds as an example. First, the interviewer asks whether the Respondent (or her/his spouse or partner) owns any shares of stock or stock mutual funds. If affirmative, the interviewer asks the value of these stock holdings. If the Respondent is unable or unwilling to provide an exact amount, the interviewer asks whether it is more than \$25,000. If the answer is "more than \$25,000," the interviewer asks whether it is more than \$125,000, whereas if the answer is "less than \$25,000," the interviewer asks whether it is more than \$2,500. Depending on the responses, the ranges are narrowed down to \$0-2,500; \$2,500-25,000; \$25,000-125,000; \$125,000-400,000; \$400,000 or more. These ranges are known as "brackets," and the sequence of probes into increasingly narrow ranges are known as "unfolding brackets" questions. The brackets vary by asset and income category, and the cut-off values (also known as thresholds), though generally stable, can change between waves. For example, the cut-off values for dividend and interest income in HRS 1994 (Wave 2H) are \$200, \$500, \$2,500, and \$10,000, while in HRS 1996 (Wave 3H) they are \$1,000, \$5,000, and \$25,000.

The Respondent may opt out of the question sequence at any time. As a result, the raw data contain valid zero-value responses, exact amounts, complete bracket responses, incomplete bracket responses, claim of ownership without any information about the value, and unknown ownership. (We also use the term "ownership" to indicate whether a household or individual receives a certain kind of income or holds a certain kind of debt.) An incomplete bracket results if the Respondent provided some information about the value, but was unable or unwilling to respond through the last unfolding bracket probe. For example, if the Respondent indicated that the stock holdings amount to more than \$25,000, but did not say whether they are worth more than \$125,000, the range is an open-ended bracket of \$25,000 or more. A claim of ownership without value results if the Respondent indicated that s/he owns stocks, but revealed neither the exact amount nor a range. A claim of ownership without value is a special case of an incomplete bracket, namely an open-ended bracket of greater than zero dollars.

As an illustration, Table 4 shows the frequency distribution of response types on the ownership and value of stock holdings in HRS 1994 (Wave 2H). The stock holdings question is asked of the Financial Respondent in the household, and the unit of observation in the table is a household. The majority of Financial Respondents, 68.1 percent, report not owning any stocks (other than in retirement plans, which are not covered by this question). About one-fifth, 20.3 percent, own stocks and provide an exact value. All other categories require imputation.

¹⁰Hurd, M. D., E. Meijer, M. Moldoff, and S. Rohwedder (2016). Improved wealth measures in the Health and Retirement Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging. (http://www.rand.org/pubs/work ing_papers/WR1150.html)

Table 4. Distribution of Response Types on Stock Holdings (HRS 1994)

Response Type	Frequency	Percent
Continuous value	1,431	20.3
Complete bracket	487	6.9
Incomplete bracket	34	0.5
Owns, no value/bracket	111	1.6
No asset	4,803	68.1
Don't know ownership	66	0.9
No Financial Respondent	119	1.7
Total	7,051	100.0

Note the last category in Table 4 "No Financial Respondent." These are cases in which the HRS, for whatever reason, did not interview a Financial Respondent.¹¹ For those cases, virtually nothing is known about financial issues. The RAND HRS data contain imputed values for these households, but the user should be aware that these imputations are subject to potentially large errors. They may be identified through flag variables. For example, Table 4 is derived from variable H2AFSTCK ("H2AFSTCK:W2 Asst Flag:Stocks").

In summary, the data contain valid responses and several types of responses that require imputations. In decreasing order of informational content:

- Case 1: We may know a "complete" range of values;
- Case 2: We may know that the household owns the asset (or has the income type), but have no information on its value, or only coarse information in the form of incomplete brackets; or
- Case 3: We may not even know whether the household owns an asset, much less its value.

3.1.1. Alternative Question Sequences

While the majority of income and asset questions follow the pattern described above, there are deviations.

Some questions, particularly income questions in HRS 1992 (Wave 1), do not probe for brackets if the Respondent is unable or unwilling to provide an exact amount. In the data, we classify missing responses in these cases as if there were unfolding bracket questions, but the Respondent refused to provide any range information, i.e., as Case 2 above.

Some interviewers in Wave 1 used so-called range cards instead of the sequence of unfolding bracket questions. This was especially prevalent for questions on the value of primary residence, mortgages, home loans, equity lines of credit, and debt. The range cards contain a list of ranges. For example, a card may have shown \$0-100; \$100-500; \$500-1,000; \$1,000-5,000; \$5,000-10,000; \$10,000 or more. The cards were intended for other purposes but were sometimes used inadvertently when Respondents were unable or unwilling to provide an exact amount.¹² Respondents who were presented a range card had instant knowledge of all cut-off values, as opposed to gradual access in unfolding bracket questions. The cut-off values on the range cards were typically different from those in the appropriate unfolding bracket sequence. We treat responses from range cards in the same way as complete brackets, i.e., Case 1 above. Naturally, we account for the cut-off values on the range cards, even if they are different from those in the unfolding bracket sequence.

Starting in HRS 1998 (Wave 4), the "entry point" of the unfolding bracket sequence was randomized in questions about assets. In other words, Respondents who were unable or unwilling to provide an exact amount were asked whether the value was more than a certain value, where that value varied across Respondents. The underlying idea was to reduce any response bias that may arise from

¹¹In some households, a Financial Respondent was designated, but in fact provided no financial data, perhaps due to a partial interview that ended before the main financial section of the survey was conducted. For some of these cases, house and mortgage information may have been provided but no other wealth or income data was collected in the main income and wealth section which follows the housing section in the survey instrument. For imputation of income and non-housing wealth, cases missing the entire section of financial data are treated as though there is no Financial Respondent.

¹²The Wave 1 interview was face-to-face; subsequent interviews were conducted mostly by telephone. For all subsequent waves, interviews with Respondents 80 years of age or older, as well as initial interviews (for all cohorts and new cohorts), are also conducted face-to-face. Starting with the HRS 2006 wave, about half of the sample is interviewed face-to-face (to facilitate the collection of additional content), and half is interviewed by telephone.

the value of the entry point ("acquiescence bias"). We ignore the fact that the entry point varied across Respondents and process the resulting information in the same way as in previous waves.

Also starting in Wave 4, interviewers were able to record a new response. For example, suppose the interviewer asked "Is the amount greater than \$5,000, less than \$5,000, or what?" The potential answers now are "less than \$5,000," "about \$5,000," and "more than \$5,000." In earlier waves, the second response was combined with the first or third response. The additional option is present at each subsequent branch. Where the Respondent indicates that the amount was "about" equal to a certain value, we take that value as an exact response and do not impute anything. However, this is still classified as a complete bracket in the imputation flag variable and not as a continuous amount. We treat range responses in the same way as those in earlier waves.

Finally, some cut-off values of specific asset and income questions changed between waves, as did the entry point. In addition, the way unfolding bracket information is presented in the raw data changes over time, from variables representing the "yes/no" questions through Wave 5, to variables summarizing them as a "minimum/maximum" of the range in Wave 6 forward. This did not affect the resulting response types.

3.2. Imputation Process

The HRS public release files provide imputations for many asset and income types in earlier waves, but the imputation method is not consistent across all waves, and there are no imputations in more recent waves. The RAND HRS data contain imputations of all asset and income types using a consistent method for all waves. Beginning with HRS 2006, RAND has provided the income and asset imputations for the HRS. The RAND HRS Longitudinal File contains aggregate measures of income and assets. The RAND HRS Detailed Imputations File is a more complete and detailed file, containing all partial component imputations in addition to the aggregate measures, and is available on the HRS website (<https://hrs.isr.umich.edu/data-products/access-to-public-data>).

As defined previously, there are three types of missing values that require separate types of imputation. Correspondingly, we have developed three progressive imputation steps: to impute an exact amount, given that a range is known; to impute a range, given that ownership or only incomplete range is known; and to impute ownership, in case nothing is known. Table 5 illustrates the type of imputation necessary for each type of missing value.

The imputation process is progressive in the sense that we first impute ownership for those for whom nothing is known. Given ownership, we impute brackets. Given brackets, we impute exact amounts. We always use all available information. In particular, where incomplete brackets are known, we impute complete brackets in the given range.

Table 5. Response Types and Required Imputations

Reported Information	Required Imputation
Continuous value	None
Complete bracket	Amount
Incomplete bracket	Bracket, Amount
Owns, no value/bracket	Bracket, Amount
No asset	None
Don't know ownership	Ownership, Bracket, Amount
No financial Respondent	Ownership, Bracket, Amount

3.2.1. Ownership Imputation

To impute ownership, we first estimate a logistic regression model of ownership based on the sample of Respondents with non-missing ownership information for the asset or income type at issue. The covariates are discussed below. Next, we calculate the predicted probability of ownership for households with missing ownership information. Finally, we draw a random number from a uniform distribution between zero and one. We impute ownership if the predicted probability exceeds the random number and non-ownership otherwise.

The estimation sample varies by asset and income type. For example, a household that reports whether they own their primary residence, but does not report whether they own stocks or mutual funds, enters the estimation sample for ownership of the former, but not the estimation sample for ownership of the latter.

In some waves and for some asset and income types, ownership is rare and the logistic regression model fits the data poorly. Instead of imputing on the basis of a logistic model, we randomly assign ownership with a probability of ownership found in the nonmissing sample. This is equivalent to fitting a logistic model without covariates. We apply this procedure for assets in waves with fewer than 50 households reporting ownership.

3.2.2. Bracket Imputation

We impute brackets for asset owners and income recipients (imputed and reported) who do not report a continuous value and do not fully complete the questionnaire bracketing sequence on asset or income value. First, we estimate an ordered logit model based on the sample of households who do not report a continuous value but do complete the bracketing sequence. The covariates are discussed below. Next, we calculate the predicted probabilities of being in each bracket for Respondents with missing or incomplete bracket information. For those who partially complete the bracketing sequence, we calculate conditional probabilities based on the range of possible values from their answers. Finally, we draw a random number from a uniform distribution between zero and one and assign a bracket based on a comparison of the random number with the cumulative distribution of range probabilities.

For some asset and income types, notably Wave 1 incomes, no bracket questions were asked. For these items, this step is skipped and we treat the strictly positive dollar range as a single large open-ended bracket.

Beginning in Wave 4, those households who do not report a continuous value at the first opportunity but do give an "about" response during the unfolding bracket sequence of questions are included in the logit model. Probabilities are then estimated for being in each bracket and each cutpoint value. Households imputed to one of the cutpoint values need no amount imputation for that particular component.

For some asset and income types, fewer than 50 households completed the bracket sequence in a certain wave. If this is the case, we follow the same strategy as with rare ownership. That is, we impute the bracket using only the marginal probabilities and no covariates. In some rare cases, there is not even enough information in the marginal probabilities, and we skip the bracket imputation and impute amounts directly. This happens when only one complete bracket range is reported (so this would otherwise get probability 1), or when the incomplete bracket range reported is completely outside the range of the reported complete bracket ranges.

3.2.3. Amount Imputation

We impute exact amounts for all cases with (reported or imputed) bracket information. The procedure is different for cases in closed vs. open-ended brackets.¹³ For closed brackets, we use a "nearest neighbor" approach; for open-ended brackets, a tobit-based approach.

In the nearest neighbor approach for closed brackets, we first estimate a linear regression model based on the sample of households who report an exact continuous value. The covariates are discussed below. The distribution of asset and income amounts tends to be roughly lognormal, so we would like to apply a logarithmic transformation to the outcome (asset, income) variable. However, some outcomes, such as business income, may be negative. The frequency with which this occurs is very low - too low to allow for a fully flexible model specification.

¹³ A closed bracket has finite cut-off values; an open-ended bracket is, for example, \$500,000 or more, so the upper limit is infinite.

Instead, we therefore apply the inverse hyperbolic sine transformation¹⁴ and use this as the dependent variable. Next, we compute predicted values for all cases, both with and without exact amounts. For each missing observation in a closed bracket, we find the household that is closest in *predicted value*, among the households that report an exact amount within that bracket. This is the nearest neighbor. We then impute the actual value reported by the nearest neighbor.

For some asset and income types, fewer than 50 households reported a continuous value in a given wave. In this case, instead of a nearest neighbor from a regression model, a donor household is found using a conditional hotdeck procedure. This can be viewed as a nearest neighbor method without covariates, but because there are multiple households that are equally near (i.e., they all gave continuous answers that fall in the given bracket), one is chosen at random.

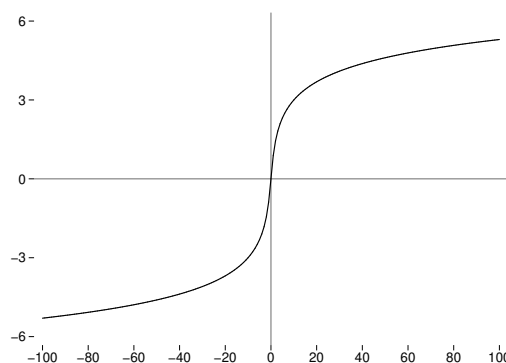
Another exception is that sometimes there are not enough donors in the given bracket, where we define "not enough" as being less than two observations. In this case, a value within the bracket is imputed from a lognormal regression model. This is similar to the tobit procedure discussed below, but includes all positive values in the estimation.

In exploratory work, we applied the nearest neighbor method to missing amounts in both closed and open-ended brackets. However, we found that the resulting imputations generated implausible distributions at the top of the distribution. The data contain some outliers which the nearest neighbor approach selects with too high a frequency to be plausible. We therefore developed an alternative approach for open-ended brackets.

For missing observations in open-ended brackets, we estimate a separate model. In essence, we estimate a lognormal regression model. However, as indicated above, the observed distributions differ from the lognormal distribution because there occasionally are negative values, and in general the smaller observed values do not fit the lognormal distribution as well. But we only use this model for imputing values in the upper bracket, so the goal is to approximate the right tail of the distribution closely. Therefore, we first censor observations in the bottom 25 percent of the outcome variable. That is, we keep the information that they are less than the 25th percentile, but not the actual values. This ensures that the values used in the estimation are all positive and that their distribution is close to (censored) lognormal. Based on this sample of non-missing observations, we estimate a censored regression (tobit) model. The covariates are discussed below. The dependent variable in this model is a logarithmic transformation of the actual amount, and the residuals on this scale are assumed to be normally distributed and homoskedastic. We then compute predicted values of the log-amount for missing observations. To preserve the spread of the distribution of outcomes in the imputations, we add a draw from the residual distribution to this log-amount, and then untransform (exponentiate) the result. The residual distribution is assumed to be normal (with a zero mean and a standard deviation equal to the estimated standard deviation of the residual in the tobit regression model), but truncated from the left to ensure the resulting value is in the top bracket. Note that this truncation point is higher than the censoring point used in the estimation.

For some asset and income types, fewer than 100 households report a continuous value in certain waves.¹⁵ If this is the case, we follow an analogous strategy as with rare ownership and completed brackets. That is, we impute the value using only the marginal distribution and no covariates, where the marginal distribution is a truncated lognormal distribution. We have implemented this by

¹⁴The inverse hyperbolic sine transformation is given by $y = \ln(Y + \sqrt{Y^2 + 1})$. For positive values of outcome Y , not close to zero, this transformation closely mimics the logarithmic transformation. Only for small amounts, on the order of between $-\$10$ and $+\$10$ is the transformation appreciably different from the logarithmic transformation. The transformation is point-symmetric around zero. It may be graphed as:



If the logarithmic transformation were added to this graph, it would be indistinguishably close on the north-east quadrant (up to a scale factor).

¹⁵We use 100 here rather than the 50 used for the other models, because the estimates of the tobit models with covariates were still unstable with sample sizes between 50 and 100.

estimating the aforementioned tobit model, but omitting the covariates and imputing the value accordingly.

3.2.4. Covariates

The number of model specifications in the imputations is large. There were four waves of data when these methods were initially developed, with well over a dozen asset and income types, and each requires four equations. We have experimented extensively with model specifications. On the one hand, we would like to select covariates that predict the outcome variables best. On the other hand, we would like the specifications to be parsimonious and consistent across asset and income types. Consistency across asset and income types has caused problems with those for which only small samples are available. In the end, we have opted for the same set of covariates in all asset model specifications (ownership, bracket, and amount for all asset types) and another set in the income specifications. The sets are formed by principal components of approximately 30 underlying covariates. For income imputations, the underlying covariates include (transformations of) husband and wife's employment status, education, health status, age, race, marital status, occupation class,¹⁶ cognition, and bequest expectations. For wealth imputations, the same set applies, but excludes employment status and includes a number of income amounts (imputed, when necessary) and indicators of pension or government benefit receipt. We have found that using the first ten principal components results in model fits that in most cases are very close to the fit from the larger set of covariates, with very few sample size issues. (The previous sections have explained what we do in cases where there are sample size issues.) The set of regressors varies slightly across waves, and the principal component loadings are computed separately for each wave. For example, Table 6 shows summary statistics and loading of the covariates that make up the principal components of the Wave 2 income imputations.

The imputations using this set of covariates should be satisfactory for many purposes. Comparisons of the resulting distributions of income and assets with distributions from external sources (e.g., asset distributions from the Survey of Consumer Finances) indicate that the distributions match well. If they differ substantially from distributions in other surveys, the distributions in the HRS often seem to be more plausible. However, the imputations are sometimes less satisfactory for analyses of longitudinal patterns, especially for asset changes between waves. In particular, when a household reports a "no value/bracket" or "don't know ownership," this method may lead to large changes between waves, more than is to be expected in the population, because the method does not take the correlation (or persistence) across time into account. Therefore we provide cross-wave imputations of asset variables, which take information from adjacent waves into account.

¹⁶Beginning in Wave 8 (2006), HRS changed the coding of occupation from the 1980 U.S. Census Occupation Codes to those for 2000 (a supplemental file has since been released for Wave 7 (2004) that uses the 2000 U.S. Census Occupation Codes as well). One of the covariates we use in the imputation process is an indicator for whether or not a person's occupation is defined as "professional" (See Table 6, M_PROF and F_PROF). The 1980 codes were collapsed into 17 categories, and determining who was professional was relatively straightforward (See JMW201AM in the HRS 2004 codebook for a list of these categories). Specifically, we defined professionals as anyone in the first two categories (i.e., "Managerial specialty operation," or "Professional specialty operation and technical support").

The 2000 U.S. Census Occupation Codes were used for Wave 7 (2004) to Wave 10 (2010) (a supplemental file has since been released for Wave 10 that uses the 2010 Census Occupational Classification System as well). The 2000 codes were collapsed into 25 categories, which were quite different from the 17 categories produced using the 1980 codes. We determined that the first 11 categories could appropriately be considered professional occupations (see KMW201AM in the HRS 2006 codebook for a list of these categories).

The 2010 Census Occupational Classification System was used for Wave 10 (2010) and beyond. The 2010 codes were collapsed into 23 categories, and are not that different from the 25 categories produced using the 2000 codes. Therefore, the first 10 categories were considered professional occupations (see NMW201AM in the HRS 2012 codebook for a list of these categories). In the end, we evaluate all of the information described above regarding occupation when deriving the "professional" covariate.

**Table 6. Loadings on the First Two Principal Components
(Wave 2 Income Imputations)**

Variable	Mean	Std. Dev	Loadings on		Description
			First comp't	Second comp't	
BEQ10	61.46	42.46	0.3179	-0.0661	Probability Bequest \$10,000+
BEQ10M	0.0538	0.2255	-0.1329	0.1173	Bequest \$10,000 missing
BEQ100	31.83	40.41	0.3011	-0.0442	Probability Bequest \$100,000+
BEQ100M	0.0580	0.2338	-0.1260	0.1092	Bequest \$100,000 missing
M_COLLEG	0.1512	0.3583	0.2301	-0.0234	Male: College Graduate
F_COLLEG	0.1245	0.3302	0.1486	-0.1300	Female: College Graduate
M_HSGED	0.3924	0.4883	0.1483	0.1622	Male: HS Diploma or GED
F_HSGED	0.5279	0.4993	0.1072	0.0187	Female: HS Diploma or GED
M_EXHLTH	0.3486	0.4766	0.2871	0.0332	Male: Excellent/Very Good Health
F_EXHLTH	0.4262	0.4946	0.2419	-0.0936	Female: Excellent/Very Good Health
M_PRHLTH	0.1730	0.3783	-0.1098	0.2365	Male: Fair/Poor Health
F_PRHLTH	0.2000	0.4000	-0.2293	0.0764	Female: Fair/Poor Health
M_PROF	0.2140	0.4102	0.2559	0.0338	Male: Professional Work
F_PROF	0.2075	0.4055	0.1646	-0.1182	Female: Professional Work
M_WORK	0.4526	0.4978	0.2490	-0.0651	Male: Currently Working
F_WORK	0.4848	0.4998	0.1308	-0.2152	Female: Currently Working
M_UNEMP	0.0199	0.1395	-0.0127	-0.0049	Male: Unemployed
F_UNEMP	0.0213	0.1443	-0.0313	-0.0411	Female: Unemployed
M_DISAB	0.0916	0.2885	-0.1164	0.1422	Male: Disabled/Temp Laid Off
F_DISAB	0.0957	0.2942	-0.1995	0.0300	Female: Disabled/Temp Laid Off
M_RETIR	0.1991	0.3994	0.0775	0.3697	Male: Retired
F_RETIR	0.0977	0.2970	0.0326	0.1807	Female: Retired
AGE	58.62	4.89	0.0239	0.4598	Age of Oldest Partner
AGESQ	3460.15	583.82	0.0234	0.4617	Squared Age of Oldest Partner
SINGLFEM	0.2293	0.4204	-0.2650	-0.3009	Single Female Financial Respondent
MARRIED	0.6745	0.4686	0.2806	0.2582	Married Couple
NONWHITE	0.2931	0.4552	-0.2297	-0.0166	Non-White Financial Respondent
MISSCOGN	0.0922	0.2893	-0.1101	0.0807	Missing Cognition Score
LOWCOGN	0.2801	0.4491	-0.1115	0.0743	Low Cognition Score

The cross-wave imputations add a few covariates to the models: In addition to the 10 principal components, we include the (inverse hyperbolic sine of) the value of the asset in the previous wave and the (inverse hyperbolic sine of) the value of the asset in the next wave. If there is a strong persistence in asset values over time, including these past and future values should capture this, and lead to imputations that show smoother patterns across time. If in the adjacent wave, the asset is not owned, we include zero as its value, and we include dummies for whether the household owns the asset in the previous and next wave. Changes in marital status (where we treat cohabitation the same as marriage, as is usual in the HRS) have potentially large effects on wealth, and wealth changes should be less smooth. Therefore, we also include a set of dummies for such changes: divorce or separation, death of the spouse/partner, or remarriage/new partnership. There is one set for changes between last wave and the current wave and one set for changes between the current wave and the next wave. See Hurd et al. (2016) for details of the definitions.¹⁷

If the household does not report a continuous value (or a no asset response) in an adjacent wave, we have a missing covariate, and thus we cannot impute the value for the current wave. To solve this problem, we first compute cross-sectional imputations (i.e., without the cross-wave information) for each household, and then use the cross-sectional imputation of the adjacent wave as the covariate in the current wave. However, for households for which we have no adjacent wave information, this still does not solve the issue. This happens when a household enters the sample (the first wave a cohort is entered); in the latest wave; or when a household does not participate in a wave. For imputing these cases, we use imputation models that include the cross-wave information from only

¹⁷Hurd, M. D., E. Meijer, M. Moldoff, and S. Rohwedder (2016). Improved wealth measures in the Health and Retirement Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging. (http://www.rand.org/pubs/work_ing_papers/WR1150.html)

the previous wave or only the next wave, whichever is applicable. If neither previous nor next wave information is available for a household, we use the cross-sectional imputation.

In principle, all imputation models are wave-specific. That is, principal components are computed for each wave separately, and coefficients of the covariates in the imputation models are computed for each wave separately. However, the number of marital status changes is typically too small to estimate the coefficients of these dummies with enough precision in each wave separately. Therefore, we use all waves jointly to estimate these coefficients. That is, we estimate wave-specific coefficients for all covariates except the indicator variables for the change in marital status.

3.3. Asset Verification

After a successful experiment in 2001, described in Hill (2006)¹⁸, the HRS added the *asset verification* section (section U; also called *asset reconciliation* section) to the questionnaire in 2002. Whenever there is a large discrepancy, defined as more than \$50,000, between an asset value in the previous wave and the value of the same asset in the current interview, the Respondent is asked to verify, or correct when necessary, the asset values in the previous and current wave. The idea behind this is that large changes in asset values are rare and therefore, if we see them in the data, there may have been a reporting error or data entry error which we want to correct. The Respondent is only asked these verification questions if the same (Financial) Respondent reported the asset in both waves and total wealth differs by more than \$150,000. The former is for disclosure reasons and the latter is to avoid flagging portfolio rebalancing (e.g., selling stocks and buying bonds instead).

In HRS 2002 and HRS 2004 (Waves 6 and 7), Respondents were asked about at most three assets in the asset verification section. From 2006 onward, Respondents could potentially be asked about all assets that were checked in this section, although it does not happen often that a Respondent is asked to verify more than a few assets. There are other changes between waves, for example in the preloaded information from the previous wave and how it is used. See Hurd et al. (2016) for the details.¹⁹

The RAND wealth measures take corrections from the asset verification section into account. These corrections precede the imputations. First, corrections for the current wave are implemented. Then, corrections of the previous wave's value are evaluated. If the asset is not asked about in the previous wave's asset verification section, then we implement the correction of the previous wave's value. If the asset is also asked about in the previous wave's asset verification section, we generally use the result from the previous wave's asset verification section (the contemporaneous one). However, we inspect all cases where the results from the previous wave's asset verification section and the current wave's asset verification section differ by more than a factor of 9 to catch gross errors, in particular accidental errors in the number of zeros.

The corrections from the asset verification section occasionally lead to some complications, such as inconsistent data that cannot occur in the main questionnaire because of skip patterns and complications with the implementation of the imputation methods. An example of the former is that the main questionnaire has a branch of questions in case the primary residence is a mobile home, and another branch of questions if it is another type of dwelling. In some cases the corrections from the asset verification section lead to the household having a number in both branches. We check all such cases and determine what is the most reasonable way to interpret the data and then make it consistent with the logic of the main questionnaire. An example of a complication with the imputations is where unfolding bracket thresholds are not always the same. See Hurd et al. (2016)²⁰ for the details and how we dealt with these issues.

¹⁸Hill, D. H. (2006). Wealth dynamics: Reducing noise in panel data. *Journal of Applied Econometrics*, 21, 845-860

¹⁹Hurd, M. D., E. Meijer, M. Moldoff, and S. Rohwedder (2016). Improved wealth measures in the Health and Retirement Study: Asset reconciliation and cross-wave imputation. Santa Monica, CA: RAND Corporation, Center for the Study of Aging. (http://www.rand.org/pubs/work_ing_papers/WR1150.html)

²⁰Ibid.

3.4. Substantive Differences Across Waves

In addition to survey-technical changes between waves and the introduction of the asset verification section, there have been a few changes that may affect the comparability of asset values across waves. We discuss the most important changes here.

Notable Differences between Waves HRS 1992 (Wave 1) and HRS 1994 (Wave2)

Net value of vehicles: Wave 1 includes a measure of the value of a recreational vehicle or motor home in the Housing Section and a measure of the value of other vehicles in the Asset Section. We separately impute these values and sum them. Starting in Wave 2, the two components are incorporated into one measure of the net value of vehicles in the Asset Section.

Notable Differences between HRS 1994 (Wave 2) and HRS 1996 (Wave 3)

Asset income: In Waves 1 and 2, asset ownership and value are asked in the Asset Section, whereas income from assets is asked separately in the Income Section. Starting in Wave 3, income from asset questions were incorporated in the Asset Section. For example, if the Respondent indicated owning stocks, the interviewer followed up with a question about dividends. This increased the response rate for asset income. Assuming that this increases the quality of responses, it also improves the accuracy of our asset imputations, because asset income is an explanatory covariate of our wealth imputation model.

Net value of IRA/Keogh accounts: In Waves 1 and 2, Respondents were asked to report the total value of all Individual Retirement Account (IRA) and KEOGH accounts. Starting in Wave 3, separate questions were asked about the largest, second largest, and all other accounts.

Notable Differences between HRS and AHEAD (Waves 2 & 3)

HRS 1994 and AHEAD 1993 (Wave 2)

AHEAD 1993 has a very different structure than HRS 1994. With the exception of Social Security benefits, SSI and food stamps, Respondents are expected to specify the types of income received. For example, they are asked if they have "any regular income," and if so, they are asked to identify the source. So there are no specific questions such as "Do you receive any income from pensions?" However, they can describe up to 4 regular incomes per partner, and up to 3 household investment incomes. The result is many separate components for those combined in other waves, such as stock income and veterans' benefits. Specific question wording differences are described in the "Cross-Wave Differences in Original HRS Data" subsections in the codebook.

HRS 1996 and AHEAD 1995 (Wave 3)

The structures of HRS 1996 and AHEAD 1995 are very similar. However, there are several notable differences. These are outlined under the "Cross-Wave Differences in Original HRS Data" subsections in the codebook.

Notable Differences between HRS 1998 (Wave 4), HRS 2000 (Wave 5) and HRS 2002 (Wave 6)

The structures of Waves 4, 5, and 6 are very similar. Any important differences are specified under "Cross-Wave Differences in Original HRS Data" subsections in the codebook.

Notable Differences between HRS 1998 (Wave 4) through HRS 2002 (Wave 6) and HRS 2004 (Wave 7) and later

The structures of questions from Wave 7 forward are very similar to those in Waves 4 to 6. However, Waves 7 and

later no longer ask for income from trusts and alimony specifically. One can assume that these types of income would now be reported with non-specific other income. We have looked at this for cases that previously did report alimony or trust income, and found that other income did not increase as one might expect.

Notable Differences between HRS 2000 (Wave 5) and HRS 2002 (Wave 6) and later

In Wave 5, Respondents who are 65 years of age or older and report not working for pay in the last calendar year skip the questions about income from unemployment and worker's compensation. Respondents who are younger than 65 years of age, on the other hand, are asked both sets of questions even if they are not working. From Wave 6 onward, the same pattern is true for Respondents who are 65 years of age or older. However, those who are younger than 65 years of age and report not working for pay in the last calendar year are asked the questions about income from unemployment but skip those related to worker's compensation.

Notable Differences between HRS 2006 (Wave 8) and HRS 2008 (Wave 9) and later

Business assets reported earlier in the interview: Beginning in Wave 6, after the value of business or farm assets is collected, a question (Q492) asks whether these assets were reported previously in the interview. Beginning in Wave 9, a follow-up question was added which asks Respondents to indicate what percentage was previously reported (Q523). For example, in Wave 9, about 30% of business owners indicate that they had reported their business wealth as either primary residence (which could be a farm or ranch), secondary residence, or other real estate earlier in the interview (Q492 = yes), and of these, most say that all of the business asset was previously reported (Q523 = 100%). These two variables are available in the RAND HRS Detailed Imputations File for the convenience of the analyst and can be used for adjusting total wealth to reflect the amount of wealth that is twice reported. We do not use these two variables in the imputations or derivations of any of the variations on total wealth.

Housing loan question wording: In the housing section, there is a series of questions about whether the Respondent has "...a mortgage, land contract, second mortgage, or any other loan that uses the property as collateral." In Wave 9, the qualifier "Do not include reverse mortgages" was added.

Notable Differences between HRS 2008 (Wave 9) and HRS 2010 (Wave 10) and later

Food stamps: The questions asking about number of months receiving food stamps changed in Wave 10. Specifically, questions are only asked for up to four "eligible years." Those are the years spanning the range of a Respondent's current interview and previous interview (or the previous wave year if Respondent was not interviewed). For example, a person interviewed in 2008 and 2011 is asked questions about food stamp receipt in 2008, 2009, 2010, and 2011. Prior to Wave 10, Respondents can report on food stamp receipt for several years prior to the current interview year.

Income from annuities: Beginning in Wave 10, Respondents who report receiving income from annuities, but a value of "0" is indicated for the amount received last month (which indicates that payments have not started yet, or the Respondent did not receive a payment last month) are asked a new sequence of questions about any income they may have received from those annuities last year. Similar questions are asked of spouses/partners. No unfolding bracket questions are asked.

4. Poverty Threshold Definitions and HRS Measures

The RAND HRS Longitudinal File includes a measure of poverty beginning in Wave 6 (2002). We use the [poverty threshold levels from the U.S. Census Bureau](#) and family composition to determine the poverty threshold that applies to an HRS family. We then compare the HRS family income to the appropriate poverty threshold. The [methods used by the U.S. Census Bureau to measure poverty](#) are normally applied to CPS data to arrive at national poverty rates. The two key definitions for applying these methods to HRS families are income and family composition.

The family composition depends on the number of resident family members, the number under 18, and the age of the head of household in one or two-member households. People living in institutions, such as nursing homes and college dormitories, are not included when counting resident family members.

Income includes before-tax income from:

- earnings, unemployment, workers' compensation
- SSI, public assistance, veterans' benefits
- Social Security (for Respondents who had Medicare Part B and/or Part D premiums deducted from Social Security payments, we add these premiums back in to obtain Social Security income before deductions)²¹
- pension and retirement income
- interest, dividends, rents, royalties, income from estates and trusts
- educational assistance
- alimony, child support
- assistance from outside the household
- other sources
- income of all resident family members

Income does not include:

- noncash benefits, e.g., food stamps
- capital gains and losses

We assume that educational assistance and other sources would have been reported as "other income" in the HRS, but it is likely that at least some assistance from outside the household may not be included in any of the HRS income categories.²² The HRS total household income, e.g., as calculated in H6ITOT on the RAND HRS Longitudinal File, less food stamps, and including Medicare Part B and/or Part D premiums deducted from Social Security, would seem to be close to the Census definition of income, with the exception of income from resident family members besides the Respondent and spouse. Note that RAND HRS total household income is for the last calendar year, e.g., 2001 for income reported at the 2002 interview and 2003 for income reported at the 2004 interview.

Questions ask about the income of resident family members, including the earnings of each and total non-job income of them all. With these questions, we can estimate income of all resident family members, which is not included in HwITOT.

²¹ For historical information regarding Medicare Part B premiums, see <https://fas.org/sgp/crs/misc/R40082.pdf>. According to Medicare rules, Medicare Part B premiums depend on modified adjusted gross income (MAGI). The HRS survey instrument elicits income before taxes and deductions. As an approximation, we use HwITOT minus food stamps. For details about how we process Medicare Part B and Part D premiums, please see the "Poverty Threshold" section later in this document, as well as "Section C: Medicare Part B and Part D Premiums" in Appendix A.

²² The HRS question wording for "other income" specifically excludes income from family and friends. The Census definition of assistance from outside the household indicates that this includes "periodic payments people receive from non-household members. This type of assistance excludes gifts or sporadic assistance." HRS questions on income transfers from children do not specify whether the amounts are periodic or sporadic, so we have decided not to include these in the income used to determine poverty threshold.

4.1. Method

We construct a poverty status variable to be consistent with that produced using the Census definitions, within the limitations of the HRS data, as follows:

1. Make household resident observations from the work and earnings questions, identified by sub-household ID and OPN.
2. Merge with the household member/child roster.²³
3. Keep people who are resident and related to the Family Respondent (FamR) or spouse. This includes current and ex-relations (codes=3-19, 27, 28, 30, 31, 33, 90, 91) who have a status code indicating residency (=1).²⁴ Please see "Summary of Data Issues" later in this section for a discussion of residents who are away, and income year versus residence year.
4. Impute non-core household member income, including earnings and non-job income. The method used for these imputations is described below ("Imputing Household Member Income").
5. Count number of residents and residents under 18²⁵ by sub-household.
6. Merge with core data, including imputed income, whether a couple, and age(s) of Respondents.
7. Adjust the number of household members by the number of core HRS in the family (one or two).
8. Assign family to a Census category to retrieve the appropriate poverty threshold. Use age of the only, or male, non-institutionalized HRS Respondent to determine if head is 65 or older in one- or two-person households.²⁶ The family category is provided on the file, as is the corresponding poverty threshold.
9. Adjust family income. The adjusted family income is provided on the file.
 - (a) Starting with HwITOT, subtract food stamps, and add Medicare Part B and/or Part D premiums for cases where these had been deducted from reported Social Security payments.
 - (b) Add in earnings for all non-core residents.
 - (c) Add in total non-job income for non-core family residents.
10. Compare family income²⁷ to poverty threshold for the family to determine:
 - (a) Whether below the poverty level (0=No and 1=Yes)
 - (b) Ratio of family income to poverty threshold

Both these measures are provided on the file.

²³There are some household residents from the income section that do not appear on the roster. Of the 9 residents in 2002, 5 have the OPN 997 (not available this release), and 4 have valid OPN values. In 2004, there are 5 cases that do not appear on the roster and who have valid OPN values. Since we cannot determine relationship for these people, we drop their income and do not count them as resident family members.

²⁴We assume the household member is non-resident if the status code is missing, and non-family if the relationship code is missing.

²⁵If the birth year of a resident family member is missing we use logical imputation to determine whether s/he is 18 or older. Among those not missing birth year in 2002, those working or married are 18 or older 94% and 98% of the time, respectively. So those who are working, married, with a move date 18 years prior to the interview, or with a relationship of sibling or parent are assumed to be 18 or older. Grandchildren who are not working or married are assumed to be under 18. For the remaining cases still missing, we used the skip pattern for the work question, which was not asked for those under 16 years old. We assumed that those missing whether worked are under 16, and hence, under 18.

²⁶We ran a version using age of Financial Respondent instead. This did not make a difference in poverty status, but does have some impact on the family category. Note that it is also possible that one of the non-core family residents would be considered "head" by the CPS.

²⁷The HRS data collection field period tends to extend into the next calendar year. For example, a few hundred HRS 2002 interviews are actually conducted in 2003 and thus report 2002 income when asked about income received "last calendar year." For these cases we use the CPI to adjust income amounts to the previous calendar year's (2001) dollars, as appropriate, before comparing their income to the same poverty threshold that is used for all other cases interviewed in 2002.

4.2. Summary of Data Issues

Income year versus residence year: Income measures are from the last calendar year, e.g., 2001, but family composition is from the interview year, e.g., 2002. At this time, we use the family composition as is reported in the household roster at the time of the interview, but use last calendar year as the reference year for income, poverty thresholds, and ages of household members.

Residents who are away and HRS core living in a nursing home: The CPS definition does not include family members who are living in an institution. We provide two sets of poverty status variables, one in which we are consistent with the Census definition and exclude institutionalized family members, and another where we include them. In both versions we do include family members temporarily away, as this is consistent with the CPS samples. Specifically the two versions of the poverty variables differ as follows:

1. *CPS-consistent version:* We do not count core HRS Respondents who live in a nursing home at the time of the interview, and we further adjust total household income by subtracting their individual income. In HRS households where all core Respondents are institutionalized, all the poverty measures are set to missing. We also do not count or add in the income of non-core residents who have a status of "away in an institution." If this leaves no non-core family residents, we exclude any other family member income.
2. *Version including institutionalized family members:* In this version we count all core HRS Respondents (including non-responding spouses in couple households) and include their income in the total for the household. We also count non-core family residents who are away in an institution and include their income.

4.3. Variables Included on the RAND HRS Longitudinal File

At this time, these variables are only constructed for Respondents beginning in Wave 6. The variables are all constructed at the household level and merged back to HRS Respondents:

Description	CPS-Consistent Variable, excluding institutionalized family members	Version including institutionalized family members
Whether family income is below the poverty threshold	HwINPOV, HwINPOVD	HwINPOVA, HwINPOVAD
Ratio of family income to poverty threshold	HwINPOVR, HwINPOVRD	HwINPVRA, HwINPVRAD
Poverty threshold for the family in prior year (i.e., 2001 for Wave 6 and 2003 for Wave 7)	HwPOVTHR	HwPVTHRA
Family composition used to determine poverty threshold	HwPOVFAM	HwPVFAMA
Adjusted family income compared to the poverty threshold ²⁸	HwPOVHHI, HwPOVHHID	HwPVHHIA, HwPVHHIAD

²⁸These variables reflect the CPI adjustment as described in footnote 27 above

In addition we include HwNHMLIV, which summarizes the nursing home residence of the core HRS Respondents:

0 = none reside in a nursing home

1 = one of a couple resides in a nursing home

2 = both in a couple reside in a nursing home

3 = the household is a single-Respondent who resides in a nursing home

For cases with codes of 2 or 3, the CPS-consistent measures are set to a SAS special missing value (.I, for institutionalized).

4.4. Imputing Household Member Income

We impute earnings and non-job income for non-core resident household members who are related to one of the HRS Respondents. In the Assets and Income section of the survey, questions (where "[x]" is the interview-specific variable prefix) ask whether each household resident, 16 or older (OPN=[x]Q431), works ([x]Q432), and if so, how much income was earned in the last calendar year:

[x]Q433: About how much money did ([Person Name]) earn from all jobs in ([LCY_A]²⁹), before taxes and other deductions?

There is also a question about total non-job income of all resident family members:

[x]Q437: Not including job income, about how much in total did other members of your family living (here/there) receive in ([LCY_A]) from Social Security, pensions, welfare, interest, gifts, or anything else, (before taxes and other deductions)?

Both questions collect a continuous value and, if missing, unfolding bracket values.

We used the same methods used to impute income and wealth to impute these income measures, described elsewhere in this document.

Earnings are imputed if missing for resident household members at least 16 years old and related to one of the HRS Respondents in the household. Imputations are done at the household member level, separately for single and couple HRS households.³⁰

If the family member is under 16 or not working, we assume no earnings if missing. For the remainder, ownership is determined by whether the family member is working. If whether working is missing we impute ownership. We then impute complete brackets for cases with missing or incomplete brackets, and finally, we impute earnings.

Total non-job income of resident family members is imputed if missing for all households with any resident family members, including those temporarily away, regardless of whether in an institution or not. One value is reported or imputed for each household with resident family members. Thus these imputations are done at the household level.

Among the continuous values reported, about 60% report a zero for this type of income in Wave 6. We assume no ownership if zeros are reported, and ownership if a value over zero is given or if any bracket information indicating a range (complete or incomplete) is provided. If the value is missing and no unfolding bracket questions are answered, we impute ownership. We then impute complete brackets for cases with missing or incomplete brackets that have, or have been imputed to have, this type of income. Based on these complete brackets, a continuous value is imputed.

The covariates used for these imputations include HRS core measures: total household income (HwITOT), total household assets (HwATOTA), and age(s), health, education, race, and work status of HRS core Respondents. Other covariates include the number of resident family members under and over 18 years old and their mean age. In the earnings imputations, additional covariates reflecting the household member's age, sex, marital status, and relationship are also included.

²⁹"LCY_A" is last calendar year relative to the interview year.

³⁰HRS income tends to be lower, and household member income higher, in single compared to couple households. This may indicate that HRS singles with other household residents are parents moving in with their children, whereas HRS couples are taking in adult children.

5. Social Security and SSI Disability Episodes

The HRS collects information on whether Respondents have applied for and received benefits from various disability programs, including Social Security disability insurance (SSDI), Supplemental Security Income (SSI), Veterans' benefits, and workers' compensation. We have developed a set of variables that represent multiple episodes of application and receipt of SSDI and SSI over the panel.

SSDI is available only if the Respondent has contributed long enough to be eligible. SSI can be awarded on the basis of income without the same contribution requirements as SSDI eligibility. A disabled person may receive benefits from both SSDI and SSI. The typical process begins with an application to the disability program. If denied benefits, one can then appeal the decision or re-apply. Benefits may be awarded either after the original application or re-application or the application may be rejected. Finally, benefits may stop, or in the case of SSDI, transition to SS retirement benefits or SSI old-age benefits when the Respondent reaches the full retirement age.

Each application process is considered an episode in developing these variables from the information provided by HRS. The HRS collects information on the steps outlined above and on when each step is initiated and when the benefits stop. An episode may begin in one wave and be continued over several subsequent waves, for as long as the Respondent receives benefits. Our derived variable, RADNEPI, indicates the number of episodes a Respondent has reported. Additional documentation on these variables is described in more detail in Section E: Social Security.

Note that we observe the application process only at interviews. It is possible that what we see is incomplete because the interview questions do not capture all of the details. For example, if a person reports receiving benefits at one wave, and still receives them at the next, we assume the benefits arise from the same application, and in some cases, the same program. But it is possible that the benefits being received are from a different one. There are questions about new applications since the last interview, even if a Respondent reports still receiving benefits from a prior wave, but we do not attempt to untangle whether a new application is related to the benefits reported as continuous. We assume it is different and begin another episode.

These variables are developed using information found in the Disability section of the HRS. There are about 130 cases with at least one illogical sequence of dates (e.g., date of benefits is after application date). There is additional information in the Assets and Income section regarding SSDI and SSI that could be used to further inform these data, but we do not consider it in this version. Specifically, we have noticed that if a Respondent reports receiving SSDI in the Disability section, s/he sometimes does not report receiving SSDI in the Assets and Income section and vice versa. Therefore, beginning in Wave 9, a new variable (RADISABF) has been derived to document and explain these differences, which can be found in Section E: Social Security.

5.1. Program Type

The HRS questions about SSDI and SSI combine the two programs in interviews before 2000. Beginning in 2000, the questions ask about these programs separately. If a person is receiving benefits at her/his previous interview, s/he is asked in 2000 which program provides them. If the Respondent reports receiving from only one program, the active episode is assigned a type of either SSDI or SSI as appropriate. If a person reports receiving benefits from both programs, we duplicate the active episode and assign one as SSDI and one as SSI, before updating with information from 2000. Information about any new applications is collected separately and each new application begins a separate episode.

If a person was receiving benefits in 2000, then s/he is again asked which program provides them. If the same program type is reported at both interviews, we update the appropriate episode accordingly. If a person receives benefits from both programs in 2000 and 2002, the two active episodes are updated separately. Sometimes a Respondent appears to change programs from 2000 to 2002, e.g., s/he reports receiving benefits from SSI in 2000 but from SSDI in 2002 without a new application. In this scenario, the benefit reported in 2002 is treated as a continuation of the benefit initially reported in 2000,

and the type of program is flagged as ambiguous. If a person reports receiving benefits from both programs in 2000 but only one in 2002, we end the episode for the program that is omitted. If a person reports receiving from only one program in 2000 but from both programs in 2002, we duplicate the active 2000 episode and update both with 2002 information. Similar methods are applied to episodes continued across waves in later waves as well, e.g., in 2004 for episodes continued from 2002.

5.2. Episode Status

The normal sequence of steps entails application, and if denied, possibly re-application or appeal, award and receipt of benefits, the end of benefits, application rejected, and benefits not awarded. The most common states of an episode at the end of an interview are receiving, stopped receiving benefits, and not awarded, in that order. A status of applied or appealed/re-applied indicates that a Respondent is last observed with a pending application for the episode. An episode with a status of applied, appealed/re-applied, receiving, or not awarded is considered active, and may be updated with information from subsequent interviews.

A status of not awarded does not necessarily mean the application has been rejected, especially in earlier waves. The specific language of a rejected application is introduced for new applications in 1998. Indeed, some Respondents report that benefits were not awarded in one interview, but then say they are still receiving benefits at the next interview and indicate a receive date between interviews. Prior to 1998, it appears that most Respondents reporting any disability activity at the previous interview are asked if they are still receiving benefits even if they never reported being awarded benefits.

If an initial application for benefits is reported in a wave, then we will track information reported in subsequent waves to determine the outcome of the initial application. Here are some examples of our logic: (1) If a Respondent denies receiving benefits and the status at the previous interview indicates the Respondent had not reported receiving benefits, then we code the initial application as rejected. (2) Similarly, if the Respondent reports s/he is not still receiving benefits and s/he had not previously reported being awarded benefits, we code the application as rejected. In this case, there is a possibility benefits were received for a short time. (3) If a Respondent denies receiving benefits and previously reported that benefits had stopped, the denial confirms the prior wave report. (4) If a Respondent has never reported receiving benefits and reports s/he stopped receiving benefits in one wave and then denies receiving benefits in a subsequent wave, we code the application as rejected—i.e., that benefits were never received.

In some cases an episode is unresolved, i.e., there is an active episode, but the thread is dropped. That is, either no information is given about whether a Respondent is still receiving benefits and a new application is begun, or a Respondent indicates having active episodes for both programs but at the next wave indicates only one. These episodes are given an illogical ending status that indicates what the status was when the thread was dropped.

In some cases it is possible that the appropriate follow-up questions at the next interview are not asked and the episode is thus left somewhat in limbo. These episodes may appear to be still active since no further activity is observed.

5.3. Episode Dates

Dates of application, re-application or appeal, and benefit receipt start and stop are collected for each episode. They appear in the raw data as month and year. If the date is missing, we attempt to provide an estimated date. The process of estimating a date entails identifying the upper and lower bounds within which the date may fall. For instance, the upper bound for when the Respondent started receiving benefits would be set based on a stop date if it is known, or the current interview date if a stop date is unknown, and a lower bound would be based on the application or appeal date. Lower and upper bounds for each applicable step are determined. The lower bounds for applications, particularly the first, look at dates of disability, including when the disability began to interfere with work, when a Respondent reports a disabled employment status, and the last month worked. To be used, a date must come before any determined upper bound. If none of these dates is available

and before the upper bound, we use a lower bound set to age 18, or, if this does not fit, we use the Respondent's birth date. The estimated date is set to the midpoint between the lower and upper bounds.³¹

Estimated dates are adjusted to ensure that they occur in the expected order, e.g., applications occur before appeals and receipt of benefits and receipt of benefits occurs before they stop. If the originally given month and year, or just year is valid, we do not adjust outside the given information. In some cases the dates will seem illogical, because that is the way they were reported. There are about 130 cases with at least one illogical sequence of dates.

5.4. Variables

The disability variables we have developed include the dates of application, re-application or appeal, start of benefits, and when benefits stop. Each application begins a new episode, with its own set of dates and its own status. For each episode date, we provide the month and year as presented in the data, recoded for missing values, and a "best-guess" date which is stored as a SAS date. From the month and year, the analyst can tell how much information was originally provided. The specific variables are listed in Table 7.

The variables begin with "RA" because they are not wave-specific. If they are specific to a particular episode they end with a number, indicating the sequence of the episode. The second to last character of the date variables is "M" for month, "Y" for year, and "D" for SAS date.

We continue to include the disability variables previously provided in the RAND HRS Longitudinal File; these indicate if any of the steps, except stopping benefits, has ever been reported, and if so the earliest date. From Wave 5 forward, a variable with the amount being received has also been added. Amount received is not available before Wave 5.

Table 7. Disability Episode Variables

Measure	Description	Variables
Number of episodes	Count, at most 11 as of Wave 13	RADNEPI
Application date	Month	RADAPPM1 to RADAPPM11
	Year	RADAPPY1 to RADAPPY11
	"Best-guess" SAS date	RADAPPD1 to RADAPPD11
Appeal or Reapply date	Month	RADREAM1 to RADREAM11
	Year	RADREAY1 to RADREAY11
	"Best-guess" SAS date	RADREAD1 to RADREAD11
Receive date	Month	RADRECM1 to RADRECM11
	Year	RADRECY1 to RADRECY11
	"Best-guess" SAS date	RADRECD1 to RADRECD11
Stop date	Month	RADENDM1 to RADENDM11
	Year	RADENDY1 to RADENDY11
	"Best-guess" SAS date	RADENDD1 to RADENDD11
Type	1=SSDI	RADTYPE1 to RADTYPE11
	2=SSI	
	3=DK which	
	4=SSDI/SSI at different waves	
Current Status	Indicates if applied, receiving, stopped receiving, or illogical ends	RADSTAT1 to RADSTAT11

³¹The RAND HRS Longitudinal File does not include the lower and upper bound dates used to derive the estimated date. Please contact us at randhrshelp@rand.org if you would find these dates useful; we can provide them in a separate file.

6. Structure of Codebook

The Appendix contains the codebook documenting all variables in the RAND HRS Longitudinal File. This section explains how to interpret the codebook entries. The figure below shows a typical codebook page; the numbers in circles correspond to comments below.

Current Marital Status: Current Partnership Status				1
Wave	Variable Name	Variable Label	Type	
2	1 → R1MPART	R1MPART:W1 R partnered	Categ	4
	2 R2MPART	R2MPART:W2 R partnered	Categ	
	3 R3MPART	R3MPART:W3 R partnered	Categ	
3	4 R4MPART	R4MPART:W4 R partnered	Categ	
	5 R5MPART	R5MPART:W5 R partnered	Categ	
	6 R6MPART	R6MPART:W6 R partnered	Categ	
	7 R7MPART	R7MPART:W7 R partnered	Categ	
	8 R8MPART	R8MPART:W8 R partnered	Categ	
	9 R9MPART	R9MPART:W9 R partnered	Categ	
	10 R10MPART	R10MPART:W10 R partnered	Categ	
	11 R11MPART	R11MPART:W11 R partnered	Categ	
	12 R12MPART	R12MPART:W12 R partnered	Categ	
	13 R13MPART	R13MPART:W13 R partnered	Categ	
	1 S1MPART	S1MPART:W1 S partnered	Categ	
	2 S2MPART	S2MPART:W2 S partnered	Categ	
	3 S3MPART	S3MPART:W3 S partnered	Categ	
	4 S4MPART	S4MPART:W4 S partnered	Categ	
	5 S5MPART	S5MPART:W5 S partnered	Categ	
	6 S6MPART	S6MPART:W6 S partnered	Categ	
	7 S7MPART	S7MPART:W7 S partnered	Categ	
	8 S8MPART	S8MPART:W8 S partnered	Categ	
	9 S9MPART	S9MPART:W9 S partnered	Categ	
	10 S10MPART	S10MPART:W10 S partnered	Categ	
	11 S11MPART	S11MPART:W11 S partnered	Categ	
	12 S12MPART	S12MPART:W12 S partnered	Categ	
	13 S13MPART	S13MPART:W13 S partnered	Categ	
E	REMPART	REMPART:EXIT R Partnered	Categ	

5 Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MPART	12652	0.03	0.17	0.0	1.0
R2MPART	19642	0.02	0.14	0.0	1.0
R3MPART	17991	0.02	0.15	0.0	1.0
R4MPART	21384	0.03	0.16	0.0	1.0
R5MPART	19578	0.03	0.16	0.0	1.0
R6MPART	18165	0.02	0.16	0.0	1.0
R7MPART	20129	0.03	0.18	0.0	1.0
R8MPART	18469	0.03	0.18	0.0	1.0
R9MPART	17217	0.03	0.18	0.0	1.0
R10MPART	22034	0.05	0.22	0.0	1.0
R11MPART	20554	0.05	0.23	0.0	1.0
R12MPART	18747	0.05	0.22	0.0	1.0
R13MPART	20912	0.06	0.24	0.0	1.0

S1MPART	9900	0.04	0.19	0.0	1.0
S2MPART	13090	0.03	0.17	0.0	1.0
S3MPART	11917	0.03	0.16	0.0	1.0
S4MPART	13980	0.03	0.18	0.0	1.0
S5MPART	12730	0.04	0.19	0.0	1.0
S6MPART	11639	0.03	0.18	0.0	1.0
S7MPART	12972	0.04	0.21	0.0	1.0
S8MPART	11735	0.05	0.21	0.0	1.0
S9MPART	10646	0.05	0.22	0.0	1.0
S10MPART	13513	0.08	0.27	0.0	1.0
S11MPART	12488	0.08	0.27	0.0	1.0
S12MPART	11012	0.08	0.27	0.0	1.0
S13MPART	11779	0.09	0.29	0.0	1.0
REMPART	14265	0.02	0.15	0.0	1.0

6 Categorical Variable Codes

RwMPART: R partnered

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	|	12267	19232	17604	20832	19058	17715	19479	17851	16619	20867
1.Yes	|	385	410	387	552	520	450	650	618	598	1167

Value		w11	w12	w13
0.No	|	19439	17747	19595
1.Yes	|	1115	1000	1317

SwMPART: S partnered

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	9534	12723	11609	13498	12265	11234	12391	11182	10122	12479
1.Yes	|	366	367	308	482	465	405	581	553	524	1034

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11501	10127	10682
1.Yes	|	987	885	1097

REMPART: EXIT R Partnered

Value	
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0. No	13946
1. Yes	319

7 How Constructed

Core Interview Variables

Marital status RwmSTAT indicates partnership; that is, living with a partner who is not the Respondent's spouse. In addition, some cases report an unmarried status, but have a partner in the same household. Another living individual with the same HHID and sub-household ID on the Tracker file, or in the core data, indicates the presence of a partner when the Respondent gives an unmarried status. From Wave 4 forward, the "coupleness" code in the cover sheet section can also indicate a partnership. RwmPART indicates the presence of a partner regardless of the RwmSTAT code.

The spouse variable SwMPART is taken from the spouse's data for Wave 'w.' In some cases, the spouse and Respondent disagree as to whether they are married or partnered, so RwmPART and SwMPART are not always the same in a given wave. SwMPART is set to .U if the Respondent is unmarried and unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

Exit Interview Variables

REMPART is a yes/no marital status indicator of whether the Respondent was partnered at the time of death. We define partnered as living with a partner who is not the Respondent's spouse. From Wave 4 forward, a separate cover sheet code indicates partnership.

Core and Exit Differences

Partnership is indicated by a marital status code in Waves 2H and 3 of the Exit Interviews. From Exit Interview Wave 4 forward, REMPART utilizes separate cover sheet data to code partnership.

In the RAND HRS Longitudinal File, partnership can be indicated by another living individual with the same HHID and sub-household ID on the Tracker file or if the core data indicates the presence of a partner when Respondent gives an unmarried status.

8 Cross Wave Differences in Original HRS Data

Core Interview Variables

Partnership is indicated by a marital status code in Waves 1 to 3H. From Wave 4 forward, it is indicated by a separate cover sheet section variable.

Partnership can also be indicated by a non-married status when the household is a couple, rather than single in any

wave.

Exit Interview Variables

In Waves 2H and 3, partnership is indicated by a marital status code in the Exit Interviews. From Wave 4 forward, REMPART utilizes separate cover sheet data.

9 HRS Variables Used

Core Interview Variables

HRS 1992:	
V10225	A10:CURRENT MAR STAT:IND
V225	A10:CURRENT MARR STA:IMP
AHEAD 1993:	
B150	A11. R'S MARITAL STATUS
HRS 1994:	
W200	A1. Marital Status
AHEAD 1995:	
DMSTATR	HRS 95: Marital Status (w/ partnered)
HRS 1996:	
E256A	MARRIAGE STATUS - CORRECTED
HRS 1998:	
F1071	A43A.MARITAL STATUS, ASSIGNED
F546	CS15D.CURRENT COUPLENESS
FMARSTP	HRS 98: Marital Status (w/ partnered)
HRS 2000:	
G1158	A43A.MARITAL STATUS_ASSIGNED
G597	CS15D.CURRENT COUPLENESS
GMARSTP	HRS 00: Marital Status (w/ partnered)
HRS 2002:	
HMARITAL	MARITAL STATUS
HRS 2002-2016:	
xPN_SP	2002 SPOUSE/PARTNER PERSON NUMBER
xSUBHH	2002 SUB-HOUSEHOLD IDENTIFIER
xx065_R	COUPLENESS STATUS - UPDATED

Exit Interview Variables

AHEAD 1995:	
N204	PRELOAD MAR STAT
N245	CS8x.W1 COUPLE PARTNER
N248	CS10x.W1 ONLY NEW PARTNER
N250	CS12.COUPLE LIVE TOGETHER
N674	A21.R MARITAL STATUS
HRS 1996:	
P204	PRELOAD MAR STAT
P245	CS8x.W1 COUPLE PARTNER
P248	CS10x.W1 ONLY NEW PARTNER
P250	CS12.COUPLE LIVE TOGETHER
P692	A21.R MARITAL
HRS 1998:	
Q1071	A43a.MARITAL STATUS, ASSIGNED
Q506	CS5x.PRELOAD SPOUSE/P ALIVE

Q509	CS7x.1ST R MARRIED
Q510	CS8x.COUPLE PARTNER
Q523	CS12.COUPLE LIVE TOGETHER
Q530	CS15A.MARRIED OR SEPARATED
Q531	CS15B.SEPARATED:PARTNERED?
Q548	CS15D.CURRENT COUPLENESS
HRS 2000:	
R1134	A43a.MARITAL STATUS ASSIGNED
R483	CS0Y9a.PRELOAD MARITAL STATUS
R545	CS5x.PRELOAD SPOUSE/P ALIVE
R548	CS7x.1ST R MARRIED
R549	CS8x.COUPLE PARTNER
R562	CS12.COUPLE LIVE TOGETHER
R569	CS15A.MARRIED OR SEPARATED
R570	CS15B.SEPARATED:PARTNERED?
R597	CS15D.CURRENT COUPLENESS
HRS 2002:	
SA020	1ST R SAME SP/P
SA023	PREVIOUS WAVE SP/P ALIVE
SA026	R MARRIED
SA034	MARRIED OR SEPARATED
SA038	CURRENT COUPLENESS
HRS 2002-2016:	
xA030	COUPLE LIVE TOGETHER
xB061	MARITAL STATUS IF UNMARRIED
xx065_R	COUPLENESS STATUS R - UPDATED
HRS 2004-2016:	
xA027	LIVING W/P
xB063	MARITAL STATUS ASSIGNED

Tracker Variables

Tracker:

HHID	HOUSEHOLD IDENTIFIER
xALIVE	1994-2016 VITAL STATUS
xPPN	1992-2016 SPOUSE-PARTNER PERSON NUMBER
xSUBHH	1992-2016 SUB-HOUSEHOLD IDENTIFIER

- 1 **Title:** The variables are documented in groups according to the concept that they measure. For example, there are three sets of variables related to current partnership status: Respondent-level core data; Spouse-level core data; and Respondent-level exit data. The title is often followed by a short description of the concept that is captured.
- 2 **Variable Names:** This entry shows the names of variables in the group. Not all variables are present in all waves.
- 3 **Variable Labels:** This entry shows the SAS/Stata variable labels. As discussed above, the labels typically include the name of the variable, the wave in which it is present, and a description of its contents.
- 4 **Variable Type:** This entry indicates the type of variable. It may be continuous (Cont), categorical (Categ), or character (Char).

- 5 *Descriptive Statistics*: This entry shows descriptive statistics on each variable. They include the number of nonmissing values, the mean, standard deviation, minimum value, and maximum value.
- 6 *Categorical Variable Codes*: This entry shows the value label codes for categorical variables. The first character(s) of the value labels indicate the value to which each label has been assigned. For example, value "1" is mapped into "1.Yes" (not just "Yes"). The entry also indicates which labels are assigned to which variables, and shows frequency tabulations for all categorical variables.
- 7 *How Constructed*: This entry provides background on the manner in which variables were constructed. This is broken into subsections for Core Interview Variables and Exit Interview Variables. If there are differences between Core and Exit variables, there is an additional subsection that highlights these differences.
- 8 *Cross Wave Differences in Original HRS Data*: This entry briefly describes differences in question wording or contents between interview waves. This is broken into subsections for Core Interview Variables and Exit Interview Variables.
- 9 *HRS Variables Used*: This entry provides the names and labels of raw HRS variables that were used to construct the new variables. This is broken into subsections for Core Interview Variables and Exit Interview Variables. We have streamlined the manner in which the raw HRS variables appear in this section. Specifically, in cases where the variable suffix is the same across waves, we list that variable only once, and preface it with an "x". The table below shows the variable prefixes for each year.

Year	Core Data Prefix(x)	Exit Data Prefix(x)
1992	V	-
1993	V (B in RAND HRS Fat File)	-
1994	W	W
1995	D	N
1996	E	P
1998	F	Q
2000	G	R
2002	H	S
2004	J	T
2006	K	U
2008	L	V
2010	M	W
2012	N	X
2014	O	Y
2016	P	Z

7. Distribution and Technical Notes

The RAND HRS Longitudinal File is distributed with the following:

- Documentation: an electronic version of this documentation.
- Programs: source code of programs that were used to derive the RAND HRS Longitudinal File and the RAND HRS Detailed Imputations File. All programs are written in SAS.
- SAS files: all waves of data in SAS format, compatible with Version 8 or later.
- Stata files: all waves of data in Stata format, compatible with Version 11 SE or later.

- SPSS files: all waves of data in SPSS for Windows format, compatible with Version 18 or later.

This is Version 2 of the RAND HRS Longitudinal File 2016.

We suggest that you create a directory for these files and subdirectories for the pieces, for example:

```
C:\randhrs\doc           for this file
C:\randhrs\programs      for the programs
C:\randhrs\sasdata       for the SAS files
C:\randhrs\stata         for the Stata files
C:\randhrs\spss          for the SPSS files
```

7.1. Distribution files for Web Download

The files can be downloaded from the HRS web site (<https://hrs.isr.umich.edu/data-products/access-to-public-data>), once you have registered to use HRS data. They are zipped for downloading; you must unzip them to make them usable. They are available for download as an entire package or documentation only. There are three different format packages: SAS, Stata 11 SE and SPSS 18 for Windows.

SAS and Stata formats differ in value labels and missing value codes. The SAS format is the most comprehensive. Stata allows value labels for integer values only, so no value labels are available for non-integer values. Beginning with Version 8, Stata supports multiple codes for missing values (.X, .S, .M, etc.). SPSS does not support multiple missing codes.

RAND HRS Data Distribution Files

Distribution file name	Included Files	Description
randhrs1992_2016v2_SAS.zip	randhrs1992_2016v2.pdf	Codebook
	randhrs1992_2016v2.sas7bdat	Dataset (SAS): All waves merged
	randhrspgm1992_2016v2.zip	RAND HRS Programs (SAS)
	randhrsimpbgm1992_2016v2.zip	RAND HRS Imputation Programs (SAS)
	sasfmts.sas7bdat	Formats (SAS)
randhrs1992_2016v2_STATA.zip	randhrs1992_2016v2.pdf	Codebook
	randhrs1992_2016v2.dta	Dataset (Stata 11 SE): All waves merged
	randhrspgm1992_2016v2.zip	RAND HRS Programs (SAS)
	randhrsimpbgm1992_2016v2.zip	RAND HRS Imputation Programs (SAS)
randhrs1992_2016v2_SPSS.zip	randhrs1992_2016v2.pdf	Codebook
	randhrs1992_2016v2.sav	Dataset (SPSS 18): All waves merged
	randhrspgm1992_2016v2.zip	RAND HRS Programs (SAS)
	randhrsimpbgm1992_2016v2.zip	RAND HRS Imputation Programs (SAS)

7.2. Programs and Macros

The SAS programs used to derive the variables in the RAND HRS Longitudinal File and the RAND HRS Detailed Imputations File are included in the data distribution. When you unzip those for the RAND HRS Longitudinal File (randhrspgm1992_2016v2.zip), it will create a homer\A\RANDHRS\VerS\ directory, within which are Mac\, Fmt\, and Pgm\ subdirectories where the SAS macros, formats, and programs used to derive the variables are stored, respectively. Within Pgm\ are multiple subdirectories corresponding to a specific function. These are:

- Demog: programs that derive demographic and family structure variables

- Health: programs that derive health variables
- Wealth: programs that derive wealth variables
- Income: programs that derive income variables
- Pension: programs that derive pension variables
- SS: programs that derive social security variables
- Ins: programs that derive insurance variables
- Retire: programs that derive retirement variables
- Emp: programs that derive employment variables
- Mrg: program that pulls most raw variables needed by other programs
- MrgS: program that combines the data from section-specific files

The unzip will also create a `homer\homer\HRS\HRS\HEAD\` subdirectory where the poverty threshold programs and imputation macros can be found.

The programs begin with the RAND versions of the "raw" HRS data, the RAND HRS Fat Files. These are individual datasets for each wave of the HRS, which take nearly all the variables from each survey section, and merge them into a single respondent-level file. Household level variables are assigned to each Respondent in the household and, where the household level data applies to an individual, self and spouse variables make clear to whom those data belong. The RAND HRS Fat Files are available to registered users in the "HRS Biennial Data Products" section of HRS's "Data Downloads" page, and contain "Core Fat Files...RAND" in the title. Additional information about the RAND HRS Fat Files can be found on our website at <https://www.rand.org/well-being/social-and-behavioral-policy/centers/aging/dataproduct/enhanced-fat.html>.

Beyond this document, the programs provide a precise record of how variables in the RAND HRS Longitudinal File were derived. If you would like to make different assumptions than we did, you can copy parts of our code and modify decisions we made. There are also a few files that you may find useful.

The `Pgm\setuphrs.inc` file sets up SAS data libraries, gives locations of the macro files and format library, and includes common RAND HRS SAS macros. It also assigns a macro variable (`&maxwv`) to the last wave available in this version of the data. You can modify this file to your system and then include it at the top of your SAS programs to simplify these tasks. An example is given below. To use this file, you will need to modify it for your system. The file itself contains comments on what you need to change.

There are two macros that may be useful. They are *wvlist* and *wvlabel*, and can be found in the files `Mac\wvlist.mac` and `Mac\wvlabel.mac`. The *wvlist* macro makes a list of variables with the same stem for all waves, e.g.:

```
%wvlist(r,nmar mdiv mwid mend)
```

would insert the following in your code:

```
R1MRCT R2MRCT R3MRCT R4MRCT R5MRCT R6MRCT R7MRCT R8MRCT R9MRCT R10MRCT R11MRCT R12MRCT R13MRCT
R1MDIV R2MDIV R3MDIV R4MDIV R5MDIV R6MDIV R7MDIV R8MDIV R9MDIV R10MDIV R11MDIV R12MDIV R13MDIV
R1MWID R2MWID R3MWID R4MWID R5MWID R6MWID R7MWID R8MWID R9MWID R10MWID R11MWID R12MWID R13MWID
R1MEND R2MEND R3MEND R4MEND R5MEND R6MEND R7MEND R8MEND R9MEND R10MEND R11MEND R12MEND R13MEND
```

The *wvlabel* macro assigns labels to variables for all waves, e.g.:

```
%wvlabel(r,mrct,%str(R # marriages));
```


assigns variable labels to R1MRCT, R2MRCT, etc.

Details on the usage of these macros can be found in the comments at the beginning of the `wvlist.mac` and `wvlabel.mac` files themselves. For instance, you can limit their effects to a range of waves, rather than all 13.

The `addsp` macro will add spouse versions of variables to your data. It can be found in the `Mac\addsp.mac` file. If you derive your own variables and use the same variable naming convention as is used in this dataset, you can use `addsp` to add the spouse's information with the "S" prefix instead of "R" on the variable name. For example:

```
%addsp(R4MYVARA %wvlist(R,MYVARB),infile,outfile);
```

would make S4MYVARA, S1MYVARB, S2MYVARB, S3MYVARB, S4MYVARB, S5MYVARB, S6MYVARB, S7MYVARB, S8MYVARB, S9MYVARB, S10MYVARB, S11MYVARB, S12MYVARB and S13MYVARB by reading the R-versions of these variables from "infile" for the appropriate spouses, renaming them as an S-version, and adding it to "infile" variables to make "outfile". The created S-variables are labeled and the .V and .U missing values are assigned as appropriate. The SwHHIDPN, SwIWSTAT, RwmSTAT, and RwmPART variables must be available on "infile".

To use the `setuphrs.inc`, `wvlist.mac`, `wvlabel.mac`, and `addsp.mac` files, a typical program would begin with:

```
%include "[dir]\setuphrs.inc"; /* this includes the macros too */
libname mylib "[name of folder to store your files]";

data mylib.myfile;
    set randhrs.randhrs1992_2016v2 (keep=HHIDPN ...);
    [...]
```

7.3. The SAS Format Library

Many of the derived variables on this file have been assigned SAS formats, or value labels. There are also SAS formats that are used to look up values using the SAS PUT function in data steps. For instance, the format library includes yearly CPI-U values in this form.

We are no longer distributing SAS formats as a format catalog. Instead we are providing SAS code to allow the researcher to create their own formats catalog on any computing platform.

To create a formats catalog, assuming `sasfmts.sas7bdat` is in `C:\randhrs\sasdata`, simply run the following code:

```
libname library "C:\randhrs\sasdata";
proc format library=library cntlin=library.sasfmts;
run;
```

This SAS code will create a file called `C:\randhrs\sasdata\formats.sas7bcat`

The formats can be found in text format in one of the `Fmt*.fmt` files and are all included in a SAS dataset (`sasfmts.sas7bdat`).

7.3.1. Using (or Not Using) the SAS formats

To use them from the SAS format library you must include a `LIBNAME LIBRARY` statement:

```
LIBNAME LIBRARY "&fmtlib";
```

Where `"&fmtlib"` is the name of the directory where the `formats.sas7bcat` file is stored. You can either put this statement in your SAS programs, e.g.:

```
LIBNAME LIBRARY "c:\randhrs\sasdata";
```

where the format file is C:\randhrs\sasdata\formats.sas7bcat, or use "%include setuphrs.inc" where you have set the macro variable &fmtlib to the name of the appropriate directory.

If you do not have the LIBNAME LIBRARY statement in your program, SAS usually gives you an error message and stops processing, unless you specify NOFMterr on an OPTIONS statement.

If you prefer not to use the assigned SAS formats, you can use the following statement in SAS PROC steps or just after a SET or MERGE in a data step to unassign all formats:

```
FORMAT _ALL_ ;
```

You can then assign formats as you wish. The format assignments we assigned to variables can be found by running a PROC CONTENTS on the data files. They are also listed in *.format files located in subdirectories of the Pgm\ directory. For example, the SS\ss_p.format file contains the SAS FORMAT statement that assigns Social Security variables to their formats.

7.3.2. Consumer Price Index (CPI-U)

These deflation factors are based on the Bureau of Labor Statistics' series of Consumer Price Index for All Urban Consumers (CPI-U), All Items. In this series, 1982-84 is normalized to 100. For details see <http://www.bls.gov/cpi>. The index is stored in a SAS format called CPI. To get the CPI-U for a year you can use the following in a SAS data step:

```
cpiu=put(ayear,CPI.);
```

Where "ayear" is the name of a variable containing the 4-digit year for which you want the CPI-U and "cpiu" is the name of the variable that will hold the index for that year. "CPI." is the name of the SAS format that has the indices for all available years. The CPI format is stored on the sasfmts.sas7bdat file provided with this dataset.

7.4. Using the Data with Other HRS Files

To use these data with other HRS files, including the RAND HRS Fat Files, you should be able to simply merge by HHIDPN. All RAND files are already sorted by this ID so should not need to be resorted. For instance to merge additional data from all waves of the RAND HRS Fat Files with RAND HRS Longitudinal File, you could use the following:

```
%include "[dir]\setuphrs.inc";
libname mylib "[name of folder to store your files]";
data mylib.newfile;
merge randhrs.randhrs1992_2016v2 (keep=HHIDPN [list of other variables])
hrs.hd92f1b (keep=HHIDPN [list of raw core variables])
hrs.ad93f2a (keep=HHIDPN [list of raw core variables])
hrs.h94f1a (keep=HHIDPN [list of raw core variables])
hrs.ad95f2b (keep=HHIDPN [list of raw core variables])
hrs.h96f4a (keep=HHIDPN [list of raw core variables])
hrs.hd98f2c (keep=HHIDPN [list of raw core variables])
hrs.h00f1c (keep=HHIDPN [list of raw core variables])
hrs.h02f2d (keep=HHIDPN [list of raw core variables])
hrs.h04f1c (keep=HHIDPN [list of raw core variables])
hrs.h06f3a (keep=HHIDPN [list of raw core variables])
hrs.h08f3a (keep=HHIDPN [list of raw core variables])
hrs.hd10f5e (keep=HHIDPN [list of raw core variables])
hrs.h12f2a (keep=HHIDPN [list of raw core variables])
```

```
hrs.h14f2b  (keep=HHIDPN [list of raw core variables])
hrs.h16f2a  (keep=HHIDPN [list of raw core variables]);

by HHIDPN;
```

where "[list of (other/raw core) variables]" would be replaced by a list of the SAS variables you want to include. You can omit the KEEP option to include all the variables from a given dataset, but in this example the output file would be extremely large if you did so for all the files listed.

If you have HRS data files which use the character version of HHIDPN, the RAHHIDPN variable provides the 9-character equivalent of HHIDPN, filled with leading zeros, the format that corresponds to the concatenated HHID and PN character IDs provided in the raw HRS data. You may wish to rename HHIDPN to NHHIDPN and RAHHIDPN to HHIDPN or whatever variable name you have used on your other HRS data files. HHID and PN are also included as separate variables in the above files, and can be used to perform the merge as well.

Please visit our website at <https://www.rand.org/well-being/social-and-behavioral-policy/centers/aging/dataproducts/helphrs.html> for sample programs with SAS, Stata, and SPSS examples.

8. Data Codebook

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Section A: Demographics, Identifiers, and Weights

Person Specific Identifier

Wave	Variable Name	Variable Label	Type
1	HHIDPN	HHIDPN: HHold ID + Person Number /Num	Cont
1	HHID	HHID: HHold ID / 6-Char	Char
1	PN	Person Number (CHAR)	Char
1	RAHHIDPN	RAHHIDPN: HHold ID + Person Num /9-Char	Char

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
HHIDPN	42052	287758966.4	251353369.8	1010.0	959738010.0

How Constructed

HHID is the 6-character HRS household identifier, and PN is the 3-character person number. Together, HHID and PN uniquely identify each individual in the HRS public-release data. On the RAND HRS Longitudinal File, they are provided separately and, for convenience, in combination as HHIDPN and RAHHIDPN.

HHIDPN is the numeric version of the combined household and person identifier that identifies each Respondent uniquely. It is set to $\text{HHID} \times 1000 + \text{PN}$. RAHHIDPN is the 9-character version of HHIDPN, with leading zeros. For example, if the HHID is 012345 and PN is 010 then HHIDPN is 12345010 and RAHHIDPN is 012345010.

HHID and PN, HHIDPN, and RAHHIDPN are all equivalent and unique identifiers, and the RAND HRS Longitudinal File sort order is the same for all three. To merge the RAND HRS Longitudinal File with other data sources, one may use the single variables HHIDPN or RAHHIDPN, or the two variables HHID and PN, whichever is available and most convenient. Other RAND data products also provide all of these identifiers. The programs used to develop the RAND HRS Longitudinal File use HHIDPN, so that means of the numeric ID may be checked to ensure none are missing.

Around 100 individuals responded to HRS 1992 (W1) but were AHEAD eligible, and their households were given to the AHEAD sample. From 1993 on they are treated as AHEAD cases. On this file these cases are identified by their AHEAD IDs, and are linked to their HRS 1992 data. These are the only AHEAD entry cohort Respondents with any W1 data. These "HRS-AHEAD" overlap cases are identified by RAOVRLAP (=1).

There is one case that does not appear to be an overlap case, that is, has an HRS ID and no OVHHID, or AHEAD ID on the Tracker file, but is married in HRS W1 to an individual who is an overlap case. This individual is also married in AHEAD to a spouse who appears to be the same as the HRS-only spouse. We treat these spouses as the same individual in this file, identified by the AHEAD ID.

In addition a few individuals within the AHEAD sample married someone from a different AHEAD household. These cases have one AHEAD ID for early waves, but are assigned a new one after the within-sample marriage in the core public use data. This file identifies these Respondents by their most recent AHEAD ID and links their data across all waves. RAOVRAYR gives the last year in which the original HHIDPN is assigned, i.e., the last interview before the within-sample marriage. For example, if someone married another AHEAD sample member in different household between 1995 and 1998, RAOVRAYR=1995. These "AHEAD-AHEAD" overlap cases are identified by RAOVRLAP as well (=2).

Also in 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer

survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS data products, these cases are referenced by their 2012 ID's. The ID's they had in the 2010 Core data can be found in RAOHRSID. Also, they can be identified by RAOVRLAP=3.

Based on data alerts from HRS, we have made several changes to cases in 2000 and 2002. There is one case deleted in each of these years, and in 2000, HHIDPN 75573041 is changed to 75573010.

Please refer to Appendix A for a list of overlap cases and other ID change information. Please see the section on "Overlap cases" for a description of the RAOVRLAP flag and alternate IDs.

HRS Variables Used

Tracker:

HHID	HOUSEHOLD IDENTIFIER
OVHHID	OVERLAP CASE: OLD HHID
OVPN	OVERLAP CASE: OLD PN
PN	PERSON NUMBER

Household Identifier

Wave	Variable Name	Variable Label	Type
1	H1HHID	H1HHID:W1 HHold ID + SubHHold /Num	Cont
2	H2HHID	H2HHID:W2 HHold ID + SubHHold /Num	Cont
3	H3HHID	H3HHID:W3 HHold ID + SubHHold /Num	Cont
4	H4HHID	H4HHID:W4 HHold ID + SubHHold /Num	Cont
5	H5HHID	H5HHID:W5 HHold ID + SubHHold /Num	Cont
6	H6HHID	H6HHID:W6 HHold ID + SubHHold /Num	Cont
7	H7HHID	H7HHID:W7 HHold ID + SubHHold /Num	Cont
8	H8HHID	H8HHID:W8 HHold ID + SubHHold /Num	Cont
9	H9HHID	H9HHID:W9 HHold ID + SubHHold /Num	Cont
10	H10HHID	H10HHID:W10 HHold ID + SubHHold /Num	Cont
11	H11HHID	H11HHID:W11 HHold ID + SubHHold /Num	Cont
12	H12HHID	H12HHID:W12 HHold ID + SubHHold /Num	Cont
13	H13HHID	H13HHID:W13 HHold ID + SubHHold /Num	Cont
1	H1HHIDC	H1HHIDC:W1 HHold ID + SubHHold /7-Char	Char
2	H2HHIDC	H2HHIDC:W2 HHold ID + SubHHold /7-Char	Char
3	H3HHIDC	H3HHIDC:W3 HHold ID + SubHHold /7-Char	Char
4	H4HHIDC	H4HHIDC:W4 HHold ID + SubHHold /7-Char	Char
5	H5HHIDC	H5HHIDC:W5 HHold ID + SubHHold /7-Char	Char
6	H6HHIDC	H6HHIDC:W6 HHold ID + SubHHold /7-Char	Char
7	H7HHIDC	H7HHIDC:W7 HHold ID + SubHHold /7-Char	Char
8	H8HHIDC	H8HHIDC:W8 HHold ID + SubHHold /7-Char	Char
9	H9HHIDC	H9HHIDC:W9 HHold ID + SubHHold /7-Char	Char
10	H10HHIDC	H10HHIDC:W10 HHold ID + SubHHold /7-Char	Char
11	H11HHIDC	H11HHIDC:W11 HHold ID + SubHHold /7-Char	Char
12	H12HHIDC	H12HHIDC:W12 HHold ID + SubHHold /7-Char	Char
13	H13HHIDC	H13HHIDC:W13 HHold ID + SubHHold /7-Char	Char

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
H1HHID	12652	492181.43	273913.39	10.0	2088670.0
H2HHID	19642	1133404.38	791404.84	10.0	2088980.0
H3HHID	17991	1090001.28	784075.68	20.0	2088980.0
H4HHID	21384	1209708.45	767109.01	20.0	2134790.0
H5HHID	19578	1178844.88	763692.53	20.0	2134790.0
H6HHID	18165	1139184.18	755892.49	30.0	2134790.0
H7HHID	20129	1748203.12	1606542.38	30.0	5027610.0
H8HHID	18469	1716759.78	1610087.26	30.0	5027610.0
H9HHID	17217	1717848.99	1641192.71	30.0	5027610.0
H10HHID	22034	3190737.77	2882407.61	30.0	9597380.0
H11HHID	20554	3227024.24	2899750.15	30.0	9597380.0
H12HHID	18747	3321934.62	2929701.79	30.0	9597380.0
H13HHID	20912	3865295.15	2760183.82	100010.0	9597380.0

How Constructed

The HwHHID identifiers combine HHID with a sub-household ID for each wave. They uniquely identify a household in a given wave. Households that split are given different subHH IDs by HRS. HwHHID is numeric (HHID*10+subHH). HwHHIDC is the 7-character version, with leading zeros. For example, if HHID is 012345 and the Wave "w" subHH is 2 then HwHHID is 123452 and HwHHIDC is "0123452."

Around 100 individuals responded to HRS 1992 (W1) but were AHEAD eligible, and their households were given to the AHEAD sample. From 1993 on they are treated as AHEAD cases. On this file these cases are identified by their AHEAD IDs, and are linked to their HRS 1992 data. These are the only AHEAD entry cohort Respondents with any W1 data. These "HRS-AHEAD" overlap cases are identified by RAOVRLAP (=1).

In addition a few individuals within the AHEAD sample married someone from a different AHEAD household. These cases have one AHEAD ID for early waves, but are assigned a new one after the within-sample marriage. This file identifies these Respondents by their most recent AHEAD HHIDPN. RAOVRAYR gives the last year in which the original HHIDPN is assigned, i.e., the last interview before the within-sample marriage. For example, if someone married another AHEAD sample member in different household between 1995 and 1998, RAOVRAYR=1995. These are "AHEAD-AHEAD" overlap cases and are identified by RAOVRLAP as well (=2).

Also in 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS data products, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID. Also, they can be identified by RAOVRLAP=3.

For the HRS-AHEAD overlap cases the HwHHID and HwHHIDC variables reflect the AHEAD household identifier in all waves. For the AHEAD-AHEAD overlap cases, HwHHID and HwHHIDC reflect the actual AHEAD sub-household for the Respondent in each wave. So, for example, if the Respondent was in household 200000.0 in 1995 and married into household 290000.0 in 1998, H3HHID would be 200000.0 and H4HHID would be 290000.0.

Please refer to Appendix A for a list of overlap cases.

Also in Wave 3H, there are a few households that appear to be reunited based on answers to questions in the cover sheet section. They are reunited in Wave 4 in the public use HRS core data, but have different sub-household IDs in Wave 3. We reunite them in Wave 3 in the RAND HRS Longitudinal File. These households are: 17520 (PNs 010 and 040), 22999 (PNs 010 and 020), 40609 (PNs 010 and 020), 40441 (PNs 010 and 020), 50945 (PNs 010 and 040). These cases will have different sub-household IDs in H3HHID from the ESUBHH found in the Tracker and core 1996 files. The spouse PNs will also differ.

In 1994, one household, 15730 is split in the core data, but is together in the Tracker file. In this household, 15730.020 was interviewed, but then died before the widow (15730.030) was interviewed. We treat these two cases as being in separate households, as they are in the core data.

In some other households, the Tracker file shows a non-responding spouse, but the core data indicate that the couple is split. We treat these couples as split. In most households, this involves a change for the non-responding spouse so that the sub-household ID on this file differs from that on the Tracker file, but still matches that on the core data. For two households, 10646 and 65564, the FSUBHH used to derive H4HHID also differs from that on the core 1998 data for the responding spouse. That is, they are shown as not split in both Tracker and 1998 core data, but are split on the RAND HRS Longitudinal File based on core cover sheet information. Note that the spouse PN for the responding spouse in these two households was set to missing in Wave 4.

HRS Variables Used

AHEAD 1993:	
BSUBHH	1993 SUB-HOUSEHOLD IDENTIFIER
HRS 1994:	
W2SUBHH	HRS Wave 2 Sub-Household
AHEAD 1995:	
DSUBHH	1995 SUB-HOUSEHOLD IDENTIFIER
HRS 1996:	
ESUBHH	HRS WAVE 3 SUB-HOUSEHOLD ID (Char)
HRS 1998:	
FSUBHH	HRS98 SUB-HOUSEHOLD ID (Char)
HRS 2000:	
GSUBHH	2000 SUB-HOUSEHOLD IDENTIFIER
Tracker:	
HHID	HOUSEHOLD IDENTIFIER
OVHHID	OVERLAP CASE: OLD HHID
OVPN	OVERLAP CASE: OLD PN
PN	PERSON NUMBER
xSUBHH	1992-2016 SUB-HOUSEHOLD IDENTIFIER

Spouse Identifier

Wave	Variable Name	Variable Label	Type
1	S1HHIDPN	S1HHIDPN:W1 Spouse HHIDPN	Cont
2	S2HHIDPN	S2HHIDPN:W2 Spouse HHIDPN	Cont
3	S3HHIDPN	S3HHIDPN:W3 Spouse HHIDPN	Cont
4	S4HHIDPN	S4HHIDPN:W4 Spouse HHIDPN	Cont
5	S5HHIDPN	S5HHIDPN:W5 Spouse HHIDPN	Cont
6	S6HHIDPN	S6HHIDPN:W6 Spouse HHIDPN	Cont
7	S7HHIDPN	S7HHIDPN:W7 Spouse HHIDPN	Cont
8	S8HHIDPN	S8HHIDPN:W8 Spouse HHIDPN	Cont
9	S9HHIDPN	S9HHIDPN:W9 Spouse HHIDPN	Cont
10	S10HHIDPN	S10HHIDPN:W10 Spouse HHIDPN	Cont
11	S11HHIDPN	S11HHIDPN:W11 Spouse HHIDPN	Cont
12	S12HHIDPN	S12HHIDPN:W12 Spouse HHIDPN	Cont
13	S13HHIDPN	S13HHIDPN:W13 Spouse HHIDPN	Cont
1	RASPCT	RASPCT: # of spouses with ID	Cont
1	RASPID1	RASPID1: HHIDPN of 1st spouse	Cont
1	RASPID2	RASPID2: HHIDPN of 2nd spouse	Cont
1	RASPID3	RASPID3: HHIDPN of 3rd spouse	Cont
1	RASPID4	RASPID4: HHIDPN of 4th spouse	Cont
E	RESHHIDPN	RESHHIDPN:EXIT Spouse identifier	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
S1HHIDPN	12652	40146194.53	31817608.99	0.0	208867020.0
S2HHIDPN	19579	69292205.10	78266466.40	0.0	208898020.0
S3HHIDPN	17923	64714226.32	75514530.01	0.0	208898020.0
S4HHIDPN	21318	73878098.67	79686967.00	0.0	213479020.0
S5HHIDPN	19544	70100759.18	77812720.41	0.0	213479020.0
S6HHIDPN	18144	65995307.78	75312554.74	0.0	213479020.0
S7HHIDPN	20118	114263253.9	160029968.4	0.0	502759020.0
S8HHIDPN	18468	111704937.0	159934303.8	0.0	502759020.0
S9HHIDPN	17216	110966257.4	162224673.2	0.0	502759020.0
S10HHIDPN	22030	211046750.7	279915027.4	0.0	923525020.0
S11HHIDPN	20554	212084841.2	281896335.7	0.0	958361011.0
S12HHIDPN	18699	215851607.3	285191135.1	0.0	923525020.0
S13HHIDPN	20769	248628897.5	289078149.6	0.0	923525020.0
RASPCT	42052	0.77	0.49	0.0	4.0
RASPID1	31113	274759082.7	251897527.4	3010.0	958361011.0
RASPID2	1129	187856917.9	225930748.0	10299012.0	920331011.0
RASPID3	71	125455906.5	161658592.3	11936012.0	904163012.0
RASPID4	7	111710457.3	173285706.7	16973033.0	501196013.0
RESHHIDPN	8949	153704893.0	124548125.7	3010.0	920555010.0

How Constructed

Core Interview Variables

HRS Respondents have up to 4 different individuals as spouses or partners from 1992 to 2016. Cohabiting partners are treated as spouses for all but the marriage variables in this file. RASPCT tells how many spouses the Respondent has over all waves. Their HHIDPNs are given in RASPID1-RASPID4. SwHHIDPN gives the HHIDPN of the spouse in Wave "w." The SwHHIDPN variables are derived from HHID and the spouse person numbers found in the core data and on the Tracker file. These are the numeric versions of the IDs.

There are a number of cases where the spouse PN on the Tracker file does not match that used in the core data or in this file. In some cases the spouse identified on the Tracker is deceased or otherwise non-responding when the Respondent indicates not being married or partnered. In other cases, the spouse PN is missing on the Tracker file, but is available in the core data. On this file, the SwHHIDPNs of deceased or other spouses no longer part of the couple are set to zero, and core spouse PNs are used when missing from Tracker.

If there is no spouse in a given wave, SwHHIDPN is set to zero. If SwHHIDPN is unknown, and the marital status in a particular wave is either missing (.M) or married, SwHHIDPN is set to a special missing code of .M. If the Respondent is non-responding in a given wave, SwHHIDPN is set to plain missing (.).

There are spouse versions of most Respondent variables. Each wave carries that wave's spouse's demographic and other information. For example, S1BDATE and S4BDATE are the birth dates for the Wave 1 and Wave 4 spouses, respectively. If the spouse in Wave 4 is the same as the spouse in Wave 1, these dates will be identical. But if the spouse in Wave 4 is different from the spouse in Wave 1, these will probably be different dates. If these spouse variables are missing because the Respondent is not married or partnered, they are set to SAS special missing .U. If they are missing because the Respondent's spouse or partner did not respond, they are set to a .V missing.

Exit Interview Variables

RESHHIDPN is the spouse ID corresponding to SwHHIDPN at the time of the Respondent's death. Like SwHHIDPN, RESHHIDPN is a numeric ID variable derived from HHID and the spouse person number found on the Tracker file.

HRS Variables Used

Tracker:

HHID	HOUSEHOLD IDENTIFIER
xPPN	1992-2016 SPOUSE-PARTNER PERSON NUMBER

Overlap Identifier for cases that moved from HRS to AHEAD
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Wave	Variable Name	Variable Label	Type
1	RAOVLAP	RAOVLAP: Overlap/AltID case	Categ
1	RAOVRAYR	RAOVRAYR: Overlap-Original ID end yr	Cont
1	HAOAHDDH	HAOAHDDH: Overlap/AltID-Ahead(orig) HHID/Num	Cont
1	RAOAHDDID	RAOAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
1	S1OAHDDID	S1OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
2	S2OAHDDID	S2OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
3	S3OAHDDID	S3OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
4	S4OAHDDID	S4OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
5	S5OAHDDID	S5OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
6	S6OAHDDID	S6OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
7	S7OAHDDID	S7OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
8	S8OAHDDID	S8OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
9	S9OAHDDID	S9OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
10	S10OAHDDID	S10OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
11	S11OAHDDID	S11OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
12	S12OAHDDID	S12OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
13	S13OAHDDID	S13OAHDDID: Overlap/AltID case-Ahead core HHIDPN	Cont
1	H1OHRSHH	H1OHRSHH:W1 HRS core HHID + SubHHold /Num	Cont
1	RAOHRSID	RAOHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
1	S1OHRSID	S1OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
2	S2OHRSID	S2OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
3	S3OHRSID	S3OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
4	S4OHRSID	S4OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
5	S5OHRSID	S5OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
6	S6OHRSID	S6OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
7	S7OHRSID	S7OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
8	S8OHRSID	S8OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
9	S9OHRSID	S9OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
10	S10OHRSID	S10OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
11	S11OHRSID	S11OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
12	S12OHRSID	S12OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont
13	S13OHRSID	S13OHRSID: Overlap/AltID case-HRS core HHIDPN/Num	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAOVLAP	42052	0.00	0.06	0.0	3.0
RAOVRAYR	42052	0.19	19.54	0.0	2010.0
HAOAHDDH	42052	540.25	10502.43	0.0	208867.0
RAOAHDDID	42052	540248.52	10502432.27	0.0	208867020.0
S1OAHDDID	10279	2150666.95	20873617.91	0.0	208867020.0
S2OAHDDID	13610	1578652.80	17905643.37	0.0	208867020.0
S3OAHDDID	12269	1434741.97	17078562.49	0.0	208867020.0
S4OAHDDID	14454	1103902.67	14988135.10	0.0	208867020.0
S5OAHDDID	13007	1084597.76	14853225.53	0.0	208289020.0
S6OAHDDID	11822	865667.89	13284425.71	0.0	208867020.0
S7OAHDDID	13307	600720.19	11081327.60	0.0	208867020.0

S8OAHDDID	12001	545914.88	10559062.63	0.0	207784020.0
S9OAHDDID	10953	431146.38	9399931.70	0.0	208867020.0
S10OAHDDID	14147	201948.13	6417230.81	0.0	208867020.0
S11OAHDDID	12986	172427.86	5922750.68	0.0	208867020.0
S12OAHDDID	11521	140818.08	5342836.87	0.0	208867020.0
S13OAHDDID	12689	64662.55	3641814.13	0.0	208867020.0
H1OHRSHH	42052	1148.65	25478.18	0.0	870320.0
RAOHRSID	42052	139993.43	4445445.63	0.0	529766010.0
S1OHRSID	10279	466819.80	5127947.63	0.0	87032030.0
S2OHRSID	13610	346899.02	4442444.26	0.0	87032030.0
S3OHRSID	12269	324834.80	4309945.56	0.0	87032030.0
S4OHRSID	14454	238743.11	3644917.31	0.0	87032030.0
S5OHRSID	13007	235302.27	3619739.25	0.0	87032030.0
S6OHRSID	11822	172952.56	3128305.12	0.0	87032030.0
S7OHRSID	13307	115974.37	2511708.09	0.0	87032030.0
S8OHRSID	12001	102664.43	2278951.45	0.0	87032030.0
S9OHRSID	10953	88615.77	2139235.68	0.0	87032030.0
S10OHRSID	14147	44716.43	1529853.05	0.0	87032030.0
S11OHRSID	12986	116198.93	6679552.83	0.0	529766010.0
S12OHRSID	11521	72389.04	5032415.88	0.0	526934010.0
S13OHRSID	12689	55727.17	4762181.27	0.0	526934010.0

Categorical Variable Codes

RAOVLAP: Overlap/AltID case		
Value		
0.Not overlap case	|	41939
1.Hrs-Ahd overlap	|	109
2.Ahd-Ahd overlap	|	2
3.Hrs-Hrs overlap	|	2

How Constructed

Around 100 individuals responded to HRS 1992 (W1) but were AHEAD eligible, and their households were given to the AHEAD sample. From 1993 on they are treated as AHEAD cases. On this file these cases are identified by their AHEAD IDs, and are linked to their HRS 1992 data. These are the only AHEAD entry cohort Respondents with any W1 data. These are "HRS-AHEAD" overlap cases and are identified by RAOVLAP (=1).

There is one case that does not appear to be an overlap case; that is, has an HRS ID and no OVHHID on the Tracker file, but who is married in HRS W1 to a spouse who is an overlap case. The spouse is married in AHEAD to an individual who appears to be the same as the HRS-only spouse. We treat these spouses as the same people in this file.

In addition, a few individuals within the AHEAD sample married someone from a different AHEAD household. These cases have one AHEAD ID for early waves, but are assigned a new one after the within-sample marriage. This file identifies these Respondents by their most recent AHEAD ID. RAOVRAYR gives the last year in which the original HHIDPN is assigned, i.e., the last interview before the within-sample marriage. For example, if someone married another AHEAD sample member in a different household between 1995 and 1998, RAOVRAYR=1995. These are "AHEAD-AHEAD" overlap cases, and are identified by

RAOVLAP as well (=2).

Also in 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from
HHIDPN=526934010 to HHIDPN=525520020
HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS data products, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID. Also, they can be identified by RAOVLAP=3.

RAOAHID is the AHEAD HHIDPN for the HRS-AHEAD overlap Respondents, and the original AHEAD ID for AHEAD-AHEAD overlap Respondents. HAOAHDH gives just the HHID portion of RAOAHID. On this file, HHIDPN (numeric), RAHHIDPN (character), and RAOAHID (numeric) are all equal for HRS-AHEAD overlap cases.

For AHEAD-AHEAD overlap cases, HHIDPN and RAHHIDPN are the most recent AHEAD ID, different from the original one found in RAOAHID. RAOAHID matches the OVHHID and OVPN found for the AHEAD-AHEAD overlap cases on the Tracker file, and the HHID and PN found in the core data for interviews up to and including RAOVRAYR. HHIDPN and RAHHIDPN match the HHID and PN found in the core data for interviews after RAOVRAYR.

RAOHRSID is the HRS HHIDPN for the HRS-AHEAD Respondents. It is also the 2010 ID for the MBB-MBB overlap Respondents. RAOHRSID is the HHIDPN that identifies the Respondent in the 1992 or 2010 Public Use Data, and by OVHHID and OVPN on the Tracker file.

For the HRS-AHEAD overlap cases the HwHHID and HwHHIDC variables reflect the AHEAD household identifier in all waves. For the AHEAD-AHEAD overlap cases, HwHHID and HwHHIDC reflect the actual AHEAD sub-household for the Respondent in each wave. So, for example, if the Respondent was in household 200000.0 in 1995 and married into household 290000.0 in 1998, H3HHID would be 200000.0 and H4HHID would be 290000.0.

RAOHRSHH is the HRS HHID for Respondents in the overlap household, and H1HRSHH is the HRS Wave 1 HHID plus sub-household for overlap Respondents. For AHEAD-AHEAD overlap cases these HRS IDs are set to zero.

For non-overlap cases, all overlap IDs and RAOVLAP are set to zero.

The spouse overlap flag and identifiers are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RAOVLAP, RAOAHID, RAOHRSID, and RAOVRAYR.

Cross Wave Differences in Original HRS Data

Tracker identifies all the AHEAD-AHEAD overlap cases and HRS-AHEAD overlap cases.

HRS Variables Used

Tracker:

HHID	HOUSEHOLD IDENTIFIER
OVHHID	OVERLAP CASE: OLD HHID
OVPN	OVERLAP CASE: OLD PN
PN	PERSON NUMBER

Wave Status: Response Indicator
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Wave	Variable Name	Variable Label	Type
1	INW1	INW1: =1 if Respondent W1	Categ
2	INW2	INW2: =1 if Respondent W2	Categ
3	INW3	INW3: =1 if Respondent W3	Categ
4	INW4	INW4: =1 if Respondent W4	Categ
5	INW5	INW5: =1 if Respondent W5	Categ
6	INW6	INW6: =1 if Respondent W6	Categ
7	INW7	INW7: =1 if Respondent W7	Categ
8	INW8	INW8: =1 if Respondent W8	Categ
9	INW9	INW9: =1 if Respondent W9	Categ
10	INW10	INW10: =1 if Respondent W10	Categ
11	INW11	INW11: =1 if Respondent W11	Categ
12	INW12	INW12: =1 if Respondent W12	Categ
13	INW13	INW13: =1 if Respondent W13	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
INW1	42052	0.30	0.46	0.0	1.0
INW2	42052	0.47	0.50	0.0	1.0
INW3	42052	0.43	0.49	0.0	1.0
INW4	42052	0.51	0.50	0.0	1.0
INW5	42052	0.47	0.50	0.0	1.0
INW6	42052	0.43	0.50	0.0	1.0
INW7	42052	0.48	0.50	0.0	1.0
INW8	42052	0.44	0.50	0.0	1.0
INW9	42052	0.41	0.49	0.0	1.0
INW10	42052	0.52	0.50	0.0	1.0
INW11	42052	0.49	0.50	0.0	1.0
INW12	42052	0.45	0.50	0.0	1.0
INW13	42052	0.50	0.50	0.0	1.0

Categorical Variable Codes

INWw: =1 if Respondent Ww											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.NonResp	|	29400	22410	24061	20668	22474	23887	21923	23583	24835	20018
1.Resp,alive	|	12652	19642	17991	21384	19578	18165	20129	18469	17217	22034

INWw: =1 if Respondent Ww				
Value		w11	w12	w13
0.NonResp	|	21498	23305	21140
1.Resp,alive	|	20554	18747	20912

How Constructed

These variables indicate whether an individual responded to a particular wave.

Wave Status: Interview Status

Wave	Variable Name	Variable Label	Type
1	R1IWSTAT	R1IWSTAT:W1 R Interview Status	Categ
2	R2IWSTAT	R2IWSTAT:W2 R Interview Status	Categ
3	R3IWSTAT	R3IWSTAT:W3 R Interview Status	Categ
4	R4IWSTAT	R4IWSTAT:W4 R Interview Status	Categ
5	R5IWSTAT	R5IWSTAT:W5 R Interview Status	Categ
6	R6IWSTAT	R6IWSTAT:W6 R Interview Status	Categ
7	R7IWSTAT	R7IWSTAT:W7 R Interview Status	Categ
8	R8IWSTAT	R8IWSTAT:W8 R Interview Status	Categ
9	R9IWSTAT	R9IWSTAT:W9 R Interview Status	Categ
10	R10IWSTAT	R10IWSTAT:W10 R Interview Status	Categ
11	R11IWSTAT	R11IWSTAT:W11 R Interview Status	Categ
12	R12IWSTAT	R12IWSTAT:W12 R Interview Status	Categ
13	R13IWSTAT	R13IWSTAT:W13 R Interview Status	Categ
1	S1IWSTAT	S1IWSTAT:W1 S Interview Status	Categ
2	S2IWSTAT	S2IWSTAT:W2 S Interview Status	Categ
3	S3IWSTAT	S3IWSTAT:W3 S Interview Status	Categ
4	S4IWSTAT	S4IWSTAT:W4 S Interview Status	Categ
5	S5IWSTAT	S5IWSTAT:W5 S Interview Status	Categ
6	S6IWSTAT	S6IWSTAT:W6 S Interview Status	Categ
7	S7IWSTAT	S7IWSTAT:W7 S Interview Status	Categ
8	S8IWSTAT	S8IWSTAT:W8 S Interview Status	Categ
9	S9IWSTAT	S9IWSTAT:W9 S Interview Status	Categ
10	S10IWSTAT	S10IWSTAT:W10 S Interview Status	Categ
11	S11IWSTAT	S11IWSTAT:W11 S Interview Status	Categ
12	S12IWSTAT	S12IWSTAT:W12 S Interview Status	Categ
13	S13IWSTAT	S13IWSTAT:W13 S Interview Status	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1IWSTAT	42052	0.32	0.54	0.0	4.0
R2IWSTAT	42052	0.62	0.86	0.0	7.0
R3IWSTAT	42052	0.79	1.20	0.0	7.0
R4IWSTAT	42052	1.10	1.53	0.0	7.0
R5IWSTAT	42052	1.33	1.82	0.0	7.0
R6IWSTAT	42052	1.53	2.04	0.0	7.0
R7IWSTAT	42052	1.81	2.18	0.0	7.0
R8IWSTAT	42052	2.05	2.36	0.0	9.0
R9IWSTAT	42052	2.22	2.46	0.0	9.0
R10IWSTAT	42052	2.58	2.42	0.0	7.0
R11IWSTAT	42052	2.80	2.51	0.0	7.0
R12IWSTAT	42052	3.03	2.56	0.0	7.0
R13IWSTAT	42052	3.39	2.46	1.0	7.0
S1IWSTAT	10279	1.11	0.57	1.0	4.0
S2IWSTAT	13610	1.11	0.57	0.0	4.0
S3IWSTAT	12269	1.09	0.50	1.0	4.0
S4IWSTAT	14454	1.10	0.53	1.0	4.0
S5IWSTAT	13007	1.06	0.43	1.0	4.0
S6IWSTAT	11822	1.05	0.37	1.0	4.0
S7IWSTAT	13307	1.08	0.48	1.0	5.0
S8IWSTAT	12001	1.07	0.52	0.0	9.0
S9IWSTAT	10953	1.10	0.59	1.0	9.0
S10IWSTAT	14147	1.14	0.69	0.0	7.0
S11IWSTAT	12986	1.13	0.67	0.0	7.0

S12IWSTAT	11521	1.15	0.75	1.0	7.0
S13IWSTAT	12689	1.22	0.79	1.0	5.0

Categorical Variable Codes

RwIWSTAT: R Interview Status

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Inap.	|	29155	20861	20714	15592	15446	15286	11741	11583	11458	4848
1.Resp,alive	|	12652	19642	17991	21384	19578	18165	20129	18469	17217	22034
4.NR,alive	|	245	1300	2001	2173	2486	2250	2330	2196	2144	2236
5.NR,died this wv	|		226	1088	1345	1441	1571	1297	1384	1298	1609
6.NR,died prev wv	|			226	1312	2656	4097	5641	6925	8305	9603
7.NR,dropped from samp	|		23	32	246	445	683	914	1494	1629	1722
9.NR,DK if alive or died	|								1	1	

Value		w11	w12	w13
0.Inap.	|	4675	4535	
1.Resp,alive	|	20554	18747	20912
4.NR,alive	|	2259	2537	3168
5.NR,died this wv	|	1202	1343	1482
6.NR,died prev wv	|	11212	12414	13757
7.NR,dropped from samp	|	2150	2476	2733
9.NR,DK if alive or died	|			

SwIWSTAT: S Interview Status

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		64	65	62	34	37	45	51	58	88
0.Inap.	|		17						1		2
1.Resp,alive	|	9900	13090	11917	13980	12730	11639	12972	11735	10646	13513
4.NR,alive	|	379	503	352	474	277	183	322	225	258	566
5.NR,died this wv	|							13	9	12	22
6.NR,died prev wv	|										
7.NR,dropped from samp	|								30	36	44
9.NR,DK if alive or died	|								1	1	

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	94	101	199
0.Inap.	|	3		
1.Resp,alive	|	12488	11012	11779
4.NR,alive	|	419	413	874
5.NR,died this wv	|	19	25	36
6.NR,died prev wv	|	1		
7.NR,dropped from samp	|	56	71	
9.NR,DK if alive or died	|			

How Constructed

This variable gives the response and mortality status of the Respondent at each wave. Respondents are identified by code 1, non-Respondents by codes 0, 4-7 and 9.

Mortality status is taken from the Tracker file. Known alive and presumed alive are both treated as indication that the Respondent is living. Non-response code 4 means that the Respondent is alive so far as we know, but did not respond. A code of 5 means that the Respondent died between the last interview and the current one, and 6 means that the Respondent had died before a previous wave. A code of 9 means that we don't know if the individual is alive or not; Tracker indicates this in the xALIVE variables for each wave. However, Tracker indicates some individuals are alive at a subsequent interview. We carry the living status back in these cases.

The xALIVE variable on the Tracker file is sometimes zero or missing before an individual enters the sample, or when an individual has been dropped from the sample. In these cases, if the Tracker variable xINSAMP indicates that the Respondent has not entered the sample because the cohort has not yet been interviewed, or the Respondent marries into the sample at a later wave (xINSAMP=2 or 3), then RwiWSTAT is set to 0. If the Respondent has been dropped from the sample because s/he was eligible to be an HRS-AHEAD overlap case but never responded to AHEAD (xINSAMP=4); alive but asked to be dropped from the study before the wave (xINSAMP=6); or for other reasons (xINSAMP=8); then RwiWSTAT is set to 7.

SwiWSTAT gives the response and mortality status of the current wave's spouse at each wave, if available. It is taken from the spouse's RxiWSTAT if the spouse appears on the Tracker file. Note that when a spouse dies, the spouse interview status for the surviving spouse will have a code of .U=Respondent unmarried if the widow does not remarry. A .V missing code indicates that there is no information in the Tracker file on why the spouse did not respond.

Note also that SxiWSTAT is set to plain missing (.) if an individual did not respond at a particular interview, including if s/he died.

Cross Wave Differences in Original HRS Data

With Tracker 2008, the xALIVE flag is sometimes zero or missing when an individual has been dropped from the sample. The xINSAMP code indicates why someone is dropped from the sample. In these cases, xINSAMP indicates why the Respondent has been dropped from the sample. Reasons are s/he was eligible to be an HRS-AHEAD overlap case but never responded to AHEAD (xINSAMP=4); alive but asked to be dropped from the study before the wave (xINSAMP=6); or for other reasons (xINSAMP=8).

HRS Variables Used

Tracker:

xALIVE 1992-2016 VITAL STATUS

Exit or Post-Exit Interview Administered

Wave	Variable Name	Variable Label	Type
2	R2PEXIT	R2PEXIT:W2 Exit or Post-Exit Interview Administered this wave	Categ
3	R3PEXIT	R3PEXIT:W3 Exit or Post-Exit Interview Administered this wave	Categ
4	R4PEXIT	R4PEXIT:W4 Exit or Post-Exit Interview Administered this wave	Categ
5	R5PEXIT	R5PEXIT:W5 Exit or Post-Exit Interview Administered this wave	Categ
6	R6PEXIT	R6PEXIT:W6 Exit or Post-Exit Interview Administered this wave	Categ
7	R7PEXIT	R7PEXIT:W7 Exit or Post-Exit Interview Administered this wave	Categ
8	R8PEXIT	R8PEXIT:W8 Exit or Post-Exit Interview Administered this wave	Categ
9	R9PEXIT	R9PEXIT:W9 Exit or Post-Exit Interview Administered this wave	Categ
10	R10PEXIT	R10PEXIT:W10 Exit or Post-Exit Interview Administered this wave	Categ
11	R11PEXIT	R11PEXIT:W11 Exit or Post-Exit Interview Administered this wave	Categ
12	R12PEXIT	R12PEXIT:W12 Exit or Post-Exit Interview Administered this wave	Categ
13	R13PEXIT	R13PEXIT:W13 Exit or Post-Exit Interview Administered this wave	Categ
E	REXITWV	REXITWV:EXIT Wave Exit Interview was Administered	Categ
E	REPEXITWV1	REPEXITWV1:EXIT Wave First Post-Exit Interview was Administered	Categ
E	REPEXITWV2	REPEXITWV2:EXIT Wave Second Post-Exit Interview was Administered	Categ
E	REPEXITWV3	REPEXITWV3:EXIT Wave Third Post-Exit Interview was Administered	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R2PEXIT	42052	0.00	0.06	0.0	1.0
R3PEXIT	42052	0.02	0.15	0.0	1.0
R4PEXIT	42052	0.04	0.22	0.0	2.0
R5PEXIT	42052	0.05	0.25	0.0	2.0
R6PEXIT	42052	0.06	0.28	0.0	2.0
R7PEXIT	42052	0.05	0.27	0.0	2.0
R8PEXIT	42052	0.04	0.21	0.0	2.0
R9PEXIT	42052	0.04	0.20	0.0	2.0
R10PEXIT	42052	0.04	0.21	0.0	2.0
R11PEXIT	42052	0.04	0.20	0.0	2.0
R12PEXIT	42052	0.04	0.20	0.0	2.0
R13PEXIT	42052	0.04	0.20	0.0	2.0
REXITWV	14265	8.01	3.13	2.0	13.0
REPEXITWV1	2079	7.28	2.62	4.0	13.0
REPEXITWV2	257	8.18	2.17	5.0	13.0
REPEXITWV3	14	9.14	2.98	7.0	13.0

Categorical Variable Codes

RwPEXIT: Exit or Post-Exit Interview Administered this wave

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No Exit Or Post-Exit Inte	|		41877	41084	40576	40354	40073	40366	40596	40604	40475
1.Exit Interview This Wave	|		175	968	1242	1342	1494	1222	1310	1330	1443
2.Post-Exit Interview This	|				234	356	485	464	146	118	134

Value		w11	w12	w13
0.No Exit Or Post-Exit Inte	|	40715	40668	40621
1.Exit Interview This Wave	|	1187	1242	1310
2.Post-Exit Interview This	|	150	142	121

REXITWV: EXIT Wave Exit Interview was Administered

Value		
.Y=No Interview, No Death R	|	26813
.Z=No Interview, Death Reco	|	974
2	|	175
3	|	968
4	|	1242
5	|	1342
6	|	1494
7	|	1222
8	|	1310
9	|	1330
10	|	1443
11	|	1187
12	|	1242
13	|	1310

REPEXITWV1: EXIT Wave First Post-Exit Interview was Administered

Value		
.Y=No Interview, No Death R	|	26813
.Z=No Interview, Death Reco	|	13160
4	|	234
5	|	351
6	|	461
7	|	326
8	|	115
9	|	112
10	|	125
11	|	134
12	|	124
13	|	97

REPEXITWV2: EXIT Wave Second Post-Exit Interview was Administered

Value		
.Y=No Interview, No Death R	|	26813
.Z=No Interview, Death Reco	|	14982
5	|	5
6	|	24

7	|	129
8	|	31
9	|	6
10	|	9
11	|	16
12	|	18
13	|	19

REPEXITWV3: EXIT Wave Third Post-Exit Interview was Administered

Value	|	
.Y=No Interview, No Death R	|	26813
.Z=No Interview, Death Reco	|	15225
7	|	9
13	|	5

How Constructed

RwPEXIT indicates whether an Exit or Post-Exit Interview was administered this wave. We simply recode xIWTYPE directly from the Tracker file. A 0 means no Exit or Post-Exit Interview was administered this wave. A 1 means an Exit Interview was administered this wave and a 2 means a Post-Exit Interview was administered this wave.

REXITWV indicates the wave when the Exit Interview was administered. REPEXITWV1-REPEXITWV3 indicate the waves when the first, second and third Post Exit Interview was administered.

A respondent can have multiple Post-Exit Interviews but usually only one Exit Interview. An exception to this are HHIDPN=11863010 and 203802010. Both of these cases had Exit Interviews in 1998 and 2000. After consultation with HRS we are keeping the 1998 interview as it is closer to the Respondent’s death.

HRS Variables Used

Tracker:
 xIWTYPE 1992-2016 INTERVIEW TYPE

Sample Cohort

Wave	Variable Name	Variable Label	Type
1	HACOHORT	HACOHORT: Sample cohort	Categ
1	RACOHBYR	RACOHBYR: Cohort based on birth yr	Categ
1	S1COHBYR	S1COHBYR: Cohort based on birth yr	Categ
2	S2COHBYR	S2COHBYR: Cohort based on birth yr	Categ
3	S3COHBYR	S3COHBYR: Cohort based on birth yr	Categ
4	S4COHBYR	S4COHBYR: Cohort based on birth yr	Categ
5	S5COHBYR	S5COHBYR: Cohort based on birth yr	Categ
6	S6COHBYR	S6COHBYR: Cohort based on birth yr	Categ
7	S7COHBYR	S7COHBYR: Cohort based on birth yr	Categ
8	S8COHBYR	S8COHBYR: Cohort based on birth yr	Categ
9	S9COHBYR	S9COHBYR: Cohort based on birth yr	Categ
10	S10COHBYR	S10COHBYR: Cohort based on birth yr	Categ
11	S11COHBYR	S11COHBYR: Cohort based on birth yr	Categ
12	S12COHBYR	S12COHBYR: Cohort based on birth yr	Categ
13	S13COHBYR	S13COHBYR: Cohort based on birth yr	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
HACOHORT	42052	3.64	1.96	0.0	7.0
RACOHBYR	42051	3.59	2.05	0.0	7.0
S1COHBYR	10279	3.07	0.73	0.0	7.0
S2COHBYR	13585	2.46	1.10	0.0	7.0
S3COHBYR	12248	2.53	1.09	0.0	7.0
S4COHBYR	14442	2.80	1.16	0.0	7.0
S5COHBYR	13002	2.87	1.15	0.0	7.0
S6COHBYR	11814	2.96	1.12	0.0	7.0
S7COHBYR	13305	3.44	1.36	0.0	7.0
S8COHBYR	11999	3.50	1.33	0.0	7.0
S9COHBYR	10948	3.57	1.32	0.0	7.0
S10COHBYR	14144	4.26	1.64	0.0	7.0
S11COHBYR	12961	4.33	1.61	0.0	7.0
S12COHBYR	11506	4.42	1.60	0.0	7.0
S13COHBYR	12672	4.67	2.02	0.0	7.0

Categorical Variable Codes

HACOHORT: Sample cohort

Value	
0.Hrs/Ahead overlap	109
1.Ahead	8338
2.Coda	2428
3.Hrs	13615
4.WarBabies	2806
5.Early BabyBoomers	5008
6.Mid BabyBoomers	5329
7.Late BabyBoomers	4419

RACOHBYR: Cohort based on birth yr

Value	
.M=Oth missing	1
0.Not in any cohort	1079
1.Ahead	7758
2.Coda	4233
3.Hrs	10506
4.WarBabies	3678
5.Early BabyBoomers	4855
6.Mid BabyBoomers	5196
7.Late BabyBoomers	4746

SwCOHBYR: hort based on birth yr

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			89	86	74	39	45	47	53	63	91
0.Not in any cohort		4	5	4	14	18	16	51	48	56	324
1.Ahead		219	3834	3094	2389	1812	1314	976	692	483	267
2.Coda		1020	1602	1436	2705	2397	2101	1869	1599	1329	1058
3.Hrs		7445	6660	6291	5977	5567	5260	4966	4557	4208	3798
4.WarBabies		1177	1108	1058	2443	2344	2261	2175	2068	1948	1997
5.Early BabyBoomers		299	275	253	660	618	600	2390	2235	2135	2632
6.Mid BabyBoomers		92	77	86	192	182	199	685	622	616	3201
7.Late BabyBoomers		23	24	26	62	64	63	193	178	173	867

Value		w11	w12	w13
.U=Unmarried		7474	7125	8024
.V=Spouse NR		119	116	216
0.Not in any cohort		306	307	1008
1.Ahead		158	82	28
2.Coda		841	594	344
3.Hrs		3409	2830	2273
4.WarBabies		1886	1714	1483
5.Early BabyBoomers		2518	2392	2170
6.Mid BabyBoomers		3028	2805	2652
7.Late BabyBoomers		815	782	2714

How Constructed

HACOHORT identifies the cohort in which the household was originally sampled. RACOHBYR identifies the cohort a Respondent fits into based on birth year.

There are seven birth year cohorts in the HRS: 1) AHEAD, born before 1924; 2) the Children of Depression (CODA), born 1924-1930; 3) HRS, born 1931-1941; 4) War Babies (WB), born 1942-1947; 5) Early Baby Boomers (EBB), born 1948-1953; 6) Mid Baby Boomers (MBB), born 1954-1959; and 7) Late Baby Boomers (LBB), born 1960-1965. The HRS sample was interviewed separately in 1992, 1994, and 1996. The AHEAD sample was interviewed separately in 1993 and 1995. The two studies were merged and the CODA and WB cohorts added in 1998. The EBB cohort was added in 2004. The MBB cohort was added in 2010. The LBB cohort was added in 2016.

HACOHORT does not necessarily reflect a birth year range, but indicates when and how the household entered the study. The RACOHBYR variable indicates which cohort a person falls into based on birth year. In this version of the RAND HRS Longitudinal File, all entry cohorts - HRS, AHEAD, CODA, WB, EBB, MBB and LBB - are included.

HACOHORT is assigned based on both response patterns and variables in the raw data that identify the cohort. HRS/AHEAD Overlap cases are identified as a separate category of their own. Please see the RAOVRLAP variable description for more information on these cases.

RACOHBYR is assigned based on RABYEAR. Those with birth years before 1924 are set to the AHEAD cohort, 1924-1930 are set to the CODA cohort, 1931-1941 are set to the HRS cohort, 1942-1947 are set to the WB cohort, 1948-1953 are set to the EBB cohort, 1954-1959 are set to the MBB cohort and 1960-1965 are set to the LBB cohort. If birth year is missing, then RACOHBYR is missing. If birth year is after 1965, then RABCOHBYR is set to zero.

SwCOHBYR is taken from the Wave "w" spouse's value for RACOHBYR, i.e., based on the spouse's birth year.

See also RAHRSAMP, which identifies age-eligible members of the HRS cohort (HACOHORT=3 and RACHOBYR=3) who responded to HRS 1992, and RAAHDSMP, which identifies age-eligible members of the AHEAD cohort (HACOHORT=1 and RACOHBYR=1) who responded to AHEAD 1993.

NOTE: At least one Respondent in a household should have a birth year appropriate for the cohort (though this is not always the case), but spouses may not. From the HRS documentation on the weights, it appears that weights were assigned based on birth year, regardless of how a person entered the sample, beginning in 1998.

HRS Variables Used

HRS 1998:	
F461	PRELOAD COHORT
HRS 2000:	
G482	CS0Y9.PRELOAD ENTRY COHORT
HRS 2002-2016:	
xZ023	WHICH COHORT
Tracker:	
HHID	HOUSEHOLD IDENTIFIER
OVHHID	OVERLAP CASE: OLD HHID
PN	PERSON NUMBER

Whether Eligible for the HRS Sample
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Wave	Variable Name	Variable Label	Type
1	RAHRSAMP	RAHRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
1	S1HRSAMP	S1HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
2	S2HRSAMP	S2HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
3	S3HRSAMP	S3HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
4	S4HRSAMP	S4HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
5	S5HRSAMP	S5HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
6	S6HRSAMP	S6HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
7	S7HRSAMP	S7HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
8	S8HRSAMP	S8HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
9	S9HRSAMP	S9HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
10	S10HRSAMP	S10HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
11	S11HRSAMP	S11HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
12	S12HRSAMP	S12HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
13	S13HRSAMP	S13HRSAMP: HRS Sample-Age Elig/Hrs92 Resp	Categ
1	RAAHSMP	RAAHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
1	S1AHSMP	S1AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
2	S2AHSMP	S2AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
3	S3AHSMP	S3AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
4	S4AHSMP	S4AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
5	S5AHSMP	S5AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
6	S6AHSMP	S6AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
7	S7AHSMP	S7AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
8	S8AHSMP	S8AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
9	S9AHSMP	S9AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
10	S10AHSMP	S10AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
11	S11AHSMP	S11AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
12	S12AHSMP	S12AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ
13	S13AHSMP	S13AHSMP: AHEAD Sample-Age Elig/Ahd93 Resp	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAHRSAMP	42052	0.23	0.42	0.0	1.0
S1HRSAMP	10279	0.69	0.46	0.0	1.0
S2HRSAMP	13610	0.47	0.50	0.0	1.0
S3HRSAMP	12269	0.49	0.50	0.0	1.0
S4HRSAMP	14454	0.39	0.49	0.0	1.0
S5HRSAMP	13007	0.40	0.49	0.0	1.0
S6HRSAMP	11822	0.42	0.49	0.0	1.0
S7HRSAMP	13307	0.35	0.48	0.0	1.0
S8HRSAMP	12001	0.35	0.48	0.0	1.0
S9HRSAMP	10953	0.35	0.48	0.0	1.0
S10HRSAMP	14147	0.24	0.43	0.0	1.0
S11HRSAMP	12986	0.24	0.43	0.0	1.0
S12HRSAMP	11521	0.22	0.42	0.0	1.0
S13HRSAMP	12689	0.16	0.37	0.0	1.0
RAAHSMP	42052	0.18	0.38	0.0	1.0
S1AHSMP	10279	0.01	0.07	0.0	1.0
S2AHSMP	13610	0.26	0.44	0.0	1.0
S3AHSMP	12269	0.24	0.43	0.0	1.0

S4AHD SMP	14454	0.15	0.36	0.0	1.0
S5AHD SMP	13007	0.13	0.33	0.0	1.0
S6AHD SMP	11822	0.10	0.30	0.0	1.0
S7AHD SMP	13307	0.06	0.25	0.0	1.0
S8AHD SMP	12001	0.05	0.22	0.0	1.0
S9AHD SMP	10953	0.04	0.19	0.0	1.0
S10AHD SMP	14147	0.02	0.12	0.0	1.0
S11AHD SMP	12986	0.01	0.10	0.0	1.0
S12AHD SMP	11521	0.01	0.08	0.0	1.0
S13AHD SMP	12689	0.00	0.04	0.0	1.0

Categorical Variable Codes

RAHRSAMP: HRS Sample-Age Elig/Hrs92 Resp

Value	|	
0.Not in Sample	|	32290
1.In Samp,Hrs92 Resp b.1931	|	9762

SwHRSAMP: S Sample-Age Elig/Hrs92 Resp

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		64	65	62	34	37	45	51	58	88
0.Not in Sample	|	3167	7230	6256	8822	7760	6903	8681	7782	7075	10711
1.In Samp,Hrs92 Resp b.1931	|	7112	6380	6013	5632	5247	4919	4626	4219	3878	3436

Value	|	w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	94	101	199
0.Not in Sample	|	9905	8957	10627
1.In Samp,Hrs92 Resp b.1931	|	3081	2564	2062

RAAHSMP: AHEAD Sample-Age Elig/Ahd93 Resp

Value	
0.Not in Sample	34610
1.In Sample,Ahd93 Resp b.be	7442

SwAHSMP: EAD Sample-Age Elig/Ahd93 Resp

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			64	65	62	34	37	45	51	58	88
0.Not in Sample		10226	10028	9357	12240	11353	10627	12443	11402	10544	13928
1.In Sample,Ahd93 Resp b.be		53	3582	2912	2214	1654	1195	864	599	409	219

Value		w11	w12	w13
.U=Unmarried		7474	7125	8024
.V=Spouse NR		94	101	199
0.Not in Sample		12857	11451	12664
1.In Sample,Ahd93 Resp b.be		129	70	25

How Constructed

These files contain observations for any individual who responded to any of the HRS or AHEAD waves, regardless of birth year.

RAHRSAMP identifies HRS-eligible individuals defined as those who are age-eligible and responded to Wave 1. HRS age-eligible individuals are those born from 1931 to 1941, according to RABDATE. A "1" indicates that the individual is HRS-eligible, and a "0" indicates that s/he is not. The spouses of individuals in this sample may or may not be in the sample as well.

RAAHSMP identifies AHEAD-eligible individuals defined as those who are age-eligible and responded to Wave 2A. AHEAD age-eligible individuals are those born prior to 1924, according to RABDATE. A "1" indicates that the individual is AHEAD-eligible, and a "0" indicates that s/he is not. The spouses of individuals in this sample may or may not be in the sample as well.

The SwHRSAMP and SwAHSMP variables indicate whether the Wave "w" spouse or partner is also in these files as a Respondent, i.e., whether the spouse is HRS or AHEAD age-eligible and responded to Wave 1 or Wave 2A, respectively. A "1" indicates that the spouse is in the sample, and a "0" indicates that s/he is not.

See also HACOHORT, which identifies how the household entered the study, regardless of Respondent age, and RACOHBYR, which identifies which cohort a Respondent fits into based on birth year.

Sampling Weight			
Wave	Variable Name	Variable Label	Type
1	RAWTSAMP	RAWTSAMP: Sampling Weight	Cont
1	RAESTRAT	RAESTRAT: Std Error Stratum	Cont
1	RAEHSAMP	RAEHSAMP: Stratum Half-Sample Code	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAWTSAMP	12652	0.76	0.26	0.3	1.0
RAESTRAT	42052	32.02	18.19	1.0	80.0
RAEHSAMP	42052	1.49	0.50	1.0	2.0

How Constructed

The sampling weight (RAWTSAMP) is taken directly from HRS 1992 variable V11, and is available only for HRS cohort Respondents in 1992. RAESTRAT and RAEHSAMP are taken directly from the Tracker variables STRATUM and SECU, respectively. These variables identify the stratum and half-sample respectively that can be used in calculating sampling error. They are described in the Tracker file documentation, and in [HRS Sample Evolution: 1992-1998](#) under Section "2g. Sample Error Computation."

HRS Variables Used

HRS 1992:	
V11	WGT:SAMPLING WEIGHT
Tracker:	
SECU	SAMPLING ERROR COMPUTATION UNIT
STRATUM	STRATUM ID

Household Analysis Weight

Wave	Variable Name	Variable Label	Type
1	R1WTHH	R1WTHH:W1 Household Analysis Weight	Cont
2	R2WTHH	R2WTHH:W2 Household Analysis Weight	Cont
3	R3WTHH	R3WTHH:W3 Household Analysis Weight	Cont
4	R4WTHH	R4WTHH:W4 Household Analysis Weight	Cont
5	R5WTHH	R5WTHH:W5 Household Analysis Weight	Cont
6	R6WTHH	R6WTHH:W6 Household Analysis Weight	Cont
7	R7WTHH	R7WTHH:W7 Household Analysis Weight	Cont
8	R8WTHH	R8WTHH:W8 Household Analysis Weight	Cont
9	R9WTHH	R9WTHH:W9 Household Analysis Weight	Cont
10	R10WTHH	R10WTHH:W10 Household Analysis Weight	Cont
11	R11WTHH	R11WTHH:W11 Household Analysis Weight	Cont
12	R12WTHH	R12WTHH:W12 Household Analysis Weight	Cont
13	R13WTHHE	R13WTHHE:W13 Household Analysis Weight	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1WTHH	12652	2408.41	1052.21	0.0	7380.0
R2WTHH	19642	2710.33	1200.69	0.0	10003.0
R3WTHH	17991	2792.74	1315.28	0.0	11557.0
R4WTHH	21384	3238.12	1911.60	0.0	13512.0
R5WTHH	19578	3386.74	2125.01	0.0	25973.0
R6WTHH	18165	3562.30	2222.33	0.0	13193.0
R7WTHH	20129	3918.32	2580.83	0.0	13146.0
R8WTHH	18469	4093.87	2801.06	0.0	14375.0
R9WTHH	17217	4158.92	2870.62	0.0	13209.0
R10WTHH	22034	4215.08	3447.82	0.0	17462.0
R11WTHH	20554	4338.55	3654.94	0.0	17875.0
R12WTHH	18747	4502.05	3827.62	0.0	18460.0
R13WTHHE	20912	4777.31	4647.22	0.0	44774.0

How Constructed

The household weights are taken directly from the Tracker file.

In 2010 HRS updated the household weight variables, due to a change in the CPS weights, and in part due to a calculation error.

An HRS analysis shows that these revisions do not substantially alter the weights, and do not significantly affect weighted distributions of key variables. Analyses done with the earlier versions of sampling weights should not in general require revision. Some possible exceptions include analyses that present population estimates (counts or percentages) for the 1995 AHEAD cohort or for the EBB non-minority (White/other) sample. Analyses that compare the EBB non-minority cohort to other subgroups may also be affected by the new weights. The full report can be found on the HRS website in the data description for the 2010 tracker file.

ACS, the primary data source for HRS post-stratification since 2004, started counting residents of most group quarters, which include nursing homes, and providing person weights beginning in 2006. This allows HRS to use ACS to post-stratify both community residents and nursing home residents in one step. Therefore, starting 2016, HRS post-stratifies all respondents using the ACS 1-year

Public Use Micro Sample (PUMS) data from the year corresponding to the survey year. Nursing home residents who participated in a given wave no longer have zero values for their person level weight. It should be noted that HRS samples households in the community only in the baseline of a given cohort. Although ACS counts residents of nursing homes in the person population, it excludes nursing homes from households and does not provide weights for group quarter facilities. To keep HRS post-stratification consistent with ACS, households where the only member, or households where both members, were in nursing homes are assigned zero values for the household level weight, as done prior to the 2016 wave. The full report can be found on the HRS website in the data description for the 2016 tracker file.

From Wave 13, to note this change, the household level weight is called `RwWTHHE`.

Cross Wave Differences in Original HRS Data

The household weights on the Tracker file are based on `WGTBYR`, which may differ from the Respondent's `BIRTHYR` used as the basis for birth year derived on these files. If the `WGTBYR` for someone in the HRS cohort sample (see `HACOHORT`) is outside of 1931-1941 or missing for all Respondents in a household, then the household may have a zero weight in `W1`, but still be HRS eligible (someone born 1931-1941) according to the household member's `BIRTHYR`. The same is also true for the `AHEAD` sample, the only difference being that these individuals were born prior to 1924. `WGTBYR` was provided as a variable on Tracker V2.0 but is not included in the current file. Other variables are available on the current Tracker which may help analysts determine why weights are not as expected. They are `xWHY0WGT` (where "x" is A through K depending on the interview year), `xWHY0HWT` (beginning in 2004), `xWHY0HWTE` (beginning in 2016), and `WTCOHORT`, which gives the birth cohort used for calculating weights.

The weights are structured to match the CPS from 1992-2002 and the ACS from 2004 forward, which includes living, non-institutionalized Respondents. A household where the only or both Respondents are institutionalized at the time of the interview (e.g., living in a nursing home) will have zero household weights for that wave.

HRS Respondents who were given to the `AHEAD` study (overlap households) are assigned a weight of zero for HRS Wave 1.

Thus, there are cases where Respondents in a given wave have zero household weight for the wave on these files.

Note also that in HRS 1998, the `AHEAD` and HRS cohorts are combined, and the `CODA` and `WB` cohorts are added. The weights derived for waves from 1998 forward used Respondents from ALL cohorts (age-eligible for the entry cohort or not) to match the CPS/ACS-reported population sums. This means that some of the weight for the HRS birth year entry cohort is assigned to Respondents in other cohorts who happen to have been born 1931-1941, and some of the weight assigned to HRS birth year entry cohort Respondents outside the 1931-1941 range, accounts for some of the weight for other birth year entry cohorts.

HRS Variables Used

Tracker:

<code>PWGTHHE</code>	<code>WEIGHT: HOUSEHOLD LEVEL</code>
<code>xWGTHH</code>	<code>1992-2014 WEIGHT: HOUSEHOLD-LEVEL</code>

Person-Level Analysis Weight

Wave	Variable Name	Variable Label	Type
1	R1WTRESP	R1WTRESP:W1 Person-Level Analysis Weight	Cont
2	R2WTRESP	R2WTRESP:W2 Person-Level Analysis Weight	Cont
3	R3WTRESP	R3WTRESP:W3 Person-Level Analysis Weight	Cont
4	R4WTRESP	R4WTRESP:W4 Person-Level Analysis Weight	Cont
5	R5WTRESP	R5WTRESP:W5 Person-Level Analysis Weight	Cont
6	R6WTRESP	R6WTRESP:W6 Person-Level Analysis Weight	Cont
7	R7WTRESP	R7WTRESP:W7 Person-Level Analysis Weight	Cont
8	R8WTRESP	R8WTRESP:W8 Person-Level Analysis Weight	Cont
9	R9WTRESP	R9WTRESP:W9 Person-Level Analysis Weight	Cont
10	R10WTRESP	R10WTRESP:W10 Person-Level Analysis Weight	Cont
11	R11WTRESP	R11WTRESP:W11 Person-Level Analysis Weight	Cont
12	R12WTRESP	R12WTRESP:W12 Person-Level Analysis Weight	Cont
1	S1WTRESP	S1WTRESP:W1 Person-Level Analysis Weight	Cont
2	S2WTRESP	S2WTRESP:W2 Person-Level Analysis Weight	Cont
3	S3WTRESP	S3WTRESP:W3 Person-Level Analysis Weight	Cont
4	S4WTRESP	S4WTRESP:W4 Person-Level Analysis Weight	Cont
5	S5WTRESP	S5WTRESP:W5 Person-Level Analysis Weight	Cont
6	S6WTRESP	S6WTRESP:W6 Person-Level Analysis Weight	Cont
7	S7WTRESP	S7WTRESP:W7 Person-Level Analysis Weight	Cont
8	S8WTRESP	S8WTRESP:W8 Person-Level Analysis Weight	Cont
9	S9WTRESP	S9WTRESP:W9 Person-Level Analysis Weight	Cont
10	S10WTRESP	S10WTRESP:W10 Person-Level Analysis Weight	Cont
11	S11WTRESP	S11WTRESP:W11 Person-Level Analysis Weight	Cont
12	S12WTRESP	S12WTRESP:W12 Person-Level Analysis Weight	Cont
13	R13WTRESPE	R13WTRESPE:W13 Person-Level Analysis Weight	Cont
13	S13WTRESPE	S13WTRESPE:W13 Person-Level Analysis Weight	Cont
5	R5WTR_NH	R5WTR_NH:W5 NursHm Resident Analysis Weight	Cont
6	R6WTR_NH	R6WTR_NH:W6 NursHm Resident Analysis Weight	Cont
7	R7WTR_NH	R7WTR_NH:W7 NursHm Resident Analysis Weight	Cont
8	R8WTR_NH	R8WTR_NH:W8 NursHm Resident Analysis Weight	Cont
9	R9WTR_NH	R9WTR_NH:W9 NursHm Resident Analysis Weight	Cont
10	R10WTR_NH	R10WTR_NH:W10 NursHm Resident Analysis Weight	Cont
11	R11WTR_NH	R11WTR_NH:W11 NursHm Resident Analysis Weight	Cont
12	R12WTR_NH	R12WTR_NH:W12 NursHm Resident Analysis Weight	Cont
5	S5WTR_NH	S5WTR_NH:W5 NursHm Resident Analysis Weight	Cont
6	S6WTR_NH	S6WTR_NH:W6 NursHm Resident Analysis Weight	Cont
7	S7WTR_NH	S7WTR_NH:W7 NursHm Resident Analysis Weight	Cont
8	S8WTR_NH	S8WTR_NH:W8 NursHm Resident Analysis Weight	Cont
9	S9WTR_NH	S9WTR_NH:W9 NursHm Resident Analysis Weight	Cont
10	S10WTR_NH	S10WTR_NH:W10 NursHm Resident Analysis Weight	Cont
11	S11WTR_NH	S11WTR_NH:W11 NursHm Resident Analysis Weight	Cont
12	S12WTR_NH	S12WTR_NH:W12 NursHm Resident Analysis Weight	Cont
1	R1WTCRNH	R1WTCRNH:W1 Combined Respondent weight and NursHm Resident weight	Cont
2	R2WTCRNH	R2WTCRNH:W2 Combined Respondent weight and NursHm Resident weight	Cont
3	R3WTCRNH	R3WTCRNH:W3 Combined Respondent weight and NursHm Resident weight	Cont
4	R4WTCRNH	R4WTCRNH:W4 Combined Respondent weight and NursHm Resident weight	Cont
5	R5WTCRNH	R5WTCRNH:W5 Combined Respondent weight and NursHm Resident weight	Cont
6	R6WTCRNH	R6WTCRNH:W6 Combined Respondent weight and NursHm Resident weight	Cont
7	R7WTCRNH	R7WTCRNH:W7 Combined Respondent weight and NursHm Resident weight	Cont
8	R8WTCRNH	R8WTCRNH:W8 Combined Respondent weight and NursHm Resident weight	Cont
9	R9WTCRNH	R9WTCRNH:W9 Combined Respondent weight and NursHm Resident weight	Cont
10	R10WTCRNH	R10WTCRNH:W10 Combined Respondent weight and NursHm Resident weight	Cont
11	R11WTCRNH	R11WTCRNH:W11 Combined Respondent weight and NursHm Resident weight	Cont
12	R12WTCRNH	R12WTCRNH:W12 Combined Respondent weight and NursHm Resident weight	Cont
1	S1WTCRNH	S1WTCRNH:W1 Combined Respondent weight and NursHm Resident weight	Cont
2	S2WTCRNH	S2WTCRNH:W2 Combined Respondent weight and NursHm Resident weight	Cont
3	S3WTCRNH	S3WTCRNH:W3 Combined Respondent weight and NursHm Resident weight	Cont
4	S4WTCRNH	S4WTCRNH:W4 Combined Respondent weight and NursHm Resident weight	Cont
5	S5WTCRNH	S5WTCRNH:W5 Combined Respondent weight and NursHm Resident weight	Cont

6	S6WTCRHH	S6WTCRHH:W6 Combined Respondent weight and NursHm Resident weight	Cont
7	S7WTCRHH	S7WTCRHH:W7 Combined Respondent weight and NursHm Resident weight	Cont
8	S8WTCRHH	S8WTCRHH:W8 Combined Respondent weight and NursHm Resident weight	Cont
9	S9WTCRHH	S9WTCRHH:W9 Combined Respondent weight and NursHm Resident weight	Cont
10	S10WTCRHH	S10WTCRHH:W10 Combined Respondent weight and NursHm Resident weight	Cont
11	S11WTCRHH	S11WTCRHH:W11 Combined Respondent weight and NursHm Resident weight	Cont
12	S12WTCRHH	S12WTCRHH:W12 Combined Respondent weight and NursHm Resident weight	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1WTRESP	12652	1939.03	1378.59	0.0	7710.0
R2WTRESP	19642	2346.18	1503.49	0.0	10956.0
R3WTRESP	17991	2367.79	1604.28	0.0	13795.0
R4WTRESP	21384	3189.06	1972.98	0.0	16153.0
R5WTRESP	19578	3288.72	2149.89	0.0	27408.0
R6WTRESP	18165	3415.77	2241.68	0.0	19101.0
R7WTRESP	20129	3985.39	2834.74	0.0	16170.0
R8WTRESP	18469	4154.28	3019.87	0.0	17035.0
R9WTRESP	17217	4220.44	3113.39	0.0	16558.0
R10WTRESP	22034	4304.30	3734.48	0.0	19408.0
R11WTRESP	20554	4412.71	3923.57	0.0	19866.0
R12WTRESP	18747	4614.81	4147.64	0.0	20368.0
S1WTRESP	9900	1830.30	1419.98	0.0	7710.0
S2WTRESP	13090	2186.13	1589.97	0.0	10956.0
S3WTRESP	11917	2187.42	1636.59	0.0	13795.0
S4WTRESP	13980	3068.72	1884.20	0.0	16153.0
S5WTRESP	12730	3202.42	2023.21	0.0	12159.0
S6WTRESP	11639	3367.77	2220.86	0.0	19101.0
S7WTRESP	12972	4033.28	2869.39	0.0	16170.0
S8WTRESP	11735	4243.69	3075.27	0.0	17035.0
S9WTRESP	10646	4333.94	3211.33	0.0	16558.0
S10WTRESP	13513	4384.00	3745.25	0.0	19408.0
S11WTRESP	12488	4508.76	3954.19	0.0	19866.0
S12WTRESP	11012	4783.38	4225.35	0.0	20368.0
R13WTRESPE	20912	5275.12	5207.28	0.0	49948.0
S13WTRESPE	11779	5482.15	5302.50	0.0	37950.0
R5WTR_NH	19578	84.46	612.27	0.0	9498.0
R6WTR_NH	18165	89.55	624.88	0.0	11127.0
R7WTR_NH	20129	78.25	578.51	0.0	10138.0
R8WTR_NH	18469	81.93	586.14	0.0	12630.0
R9WTR_NH	17217	83.44	578.26	0.0	12516.0
R10WTR_NH	22034	62.55	491.55	0.0	11755.0
R11WTR_NH	20554	66.62	499.09	0.0	9642.0
R12WTR_NH	18747	73.93	557.31	0.0	11367.0
S5WTR_NH	12730	27.71	369.94	0.0	9498.0
S6WTR_NH	11639	27.31	377.44	0.0	11127.0
S7WTR_NH	12972	22.13	317.95	0.0	10138.0
S8WTR_NH	11735	24.09	310.72	0.0	10270.0
S9WTR_NH	10646	23.65	310.21	0.0	12516.0
S10WTR_NH	13513	24.24	307.57	0.0	9018.0
S11WTR_NH	12488	23.73	312.15	0.0	9642.0

S12WTR_NH	11012	25.36	349.21	0.0	11367.0
R1WTCRNH	12652	1939.03	1378.59	0.0	7710.0
R2WTCRNH	19642	2346.18	1503.49	0.0	10956.0
R3WTCRNH	17991	2367.79	1604.28	0.0	13795.0
R4WTCRNH	21384	3189.06	1972.98	0.0	16153.0
R5WTCRNH	19578	3373.18	2107.45	0.0	27408.0
R6WTCRNH	18165	3505.32	2191.75	0.0	19101.0
R7WTCRNH	20129	4063.64	2783.29	0.0	16170.0
R8WTCRNH	18469	4236.21	2963.52	0.0	17035.0
R9WTCRNH	17217	4303.88	3053.39	0.0	16558.0
R10WTCRNH	22034	4366.85	3694.52	0.0	19408.0
R11WTCRNH	20554	4479.33	3880.14	0.0	19866.0
R12WTCRNH	18747	4688.75	4102.58	0.0	20368.0
S1WTCRNH	9900	1830.30	1419.98	0.0	7710.0
S2WTCRNH	13090	2186.13	1589.97	0.0	10956.0
S3WTCRNH	11917	2187.42	1636.59	0.0	13795.0
S4WTCRNH	13980	3068.72	1884.20	0.0	16153.0
S5WTCRNH	12730	3230.12	2013.15	0.0	12159.0
S6WTCRNH	11639	3395.08	2211.49	0.0	19101.0
S7WTCRNH	12972	4055.41	2855.85	0.0	16170.0
S8WTCRNH	11735	4267.78	3057.67	0.0	17035.0
S9WTCRNH	10646	4357.60	3194.34	0.0	16558.0
S10WTCRNH	13513	4408.25	3729.46	0.0	19408.0
S11WTCRNH	12488	4532.49	3939.41	0.0	19866.0
S12WTCRNH	11012	4808.75	4211.04	0.0	20368.0

How Constructed

The person-level weights are taken directly from the Tracker file and assigned to RwWTRESP and RwWTRESPE. Before Wave 13, the person-level weights apply to those residing in the community, so are zero for those living in a nursing home.

From Wave 13, HRS post-stratifies all respondents using the ACS 1-year Public Use Micro Sample (PUMS) data from the year corresponding to the survey year. Therefore, nursing home residents who participated in a given wave no longer have a zero respondent level weight and the person-level weight is called RwWTRESPE. The full report can be found on the HRS website in the data description for the 2016 tracker file.

From Wave 5 to Wave 12, HRS provides weights for individuals living in a nursing home. These weights are provided in RwWTR_NH. For those not living in a nursing home, these weights are zero. From Wave 13, there are no nursing home weights.

RwWTCRNH is the person-level weight and the nursing home weight combined. From Wave 1 to 4, there is no nursing home weight so RwWTCRNH equals RwWTRESP.

From Wave 5 to Wave 12, for those not living in a nursing home, RwWTCRNH equals RwWTRESP and for those living in a nursing home, RwWTCRNH equals RwWTR_NH. From Wave 13, there is no combined person-level weight and the nursing home weight.

The spouse's person-level weight is taken from the Wave "w" spouse's variable, i.e., from the Wave "w" spouse's RwWTRESP, RwWTR_NH or RwWTCRNH.

In 2010 HRS updated the weight variables, due to a change in the CPS weights, and in part due to a calculation error.

An HRS analysis shows that these revisions do not substantially alter the weights, and do not significantly affect weighted distributions

of key variables. Analyses done with the earlier versions of sampling weights should not, in general, require revision. Some possible exceptions include analyses that present population estimates (counts or percentages) for the 1995 AHEAD cohort, or for the EBB non-minority (White/other) sample. Analyses that compare the EBB non-minority cohort to other subgroups may also be affected by the new weights. The full report can be found on the HRS website in the data description for the 2010 tracker file.

Cross Wave Differences in Original HRS Data

The standard HRS weights are structured to match the CPS from 1992-2002 and the ACS from 2004-2016 forward, which includes living, non-institutionalized Respondents. HRS sets these person-level weights to zero for those not age-eligible, living outside the U.S., or living in a nursing home. From 2000-2016, HRS provides separate person-level weights for nursing home residents. From 2016, HRS post-stratifies all respondents using the ACS 1-year Public Use Micro Sample (PUMS) data from the year corresponding to the survey year. Therefore, from 2016, nursing home residents who participated in a given wave no longer have a zero respondent level weight.

The person-level weights on the Tracker file are based on WGTBYR which differ from the Respondent's BIRTHYR used as the basis for birth year derived on these files. If the WGTBYR for someone in the HRS cohort sample (see HACOHORT) is outside of 1931-1941 or missing, then a Respondent may have a zero weight in W1, but still be HRS eligible (someone born 1931-1941) according to BIRTHYR. The same is also true for the AHEAD sample, the only difference being that these individuals were born prior to 1924. WGTBYR was provided as a variable on Tracker V2.0, but has not been included on more recent versions of Tracker. Other variables available on more recent versions of Tracker may help analysts determine why weights are not as expected. They are xWHY0WGT (where "x" is A through P depending on the interview year), xWHY0RWT (beginning in 2004), xWHY0RWTE (beginning in 2016), and WTCOHORT, which gives the birth cohort used for calculating weights.

Until 2016, a Respondent who is institutionalized, e.g., in a nursing home, at the time of the interview will have zero person-level weight for that wave.

HRS Respondents who were given to the AHEAD study (overlap households) are assigned a weight of zero for HRS Wave 1.

Thus, there are cases where Respondents in a given wave have a zero person-level weight for the wave on these files.

Note also that in HRS 1998 the AHEAD and HRS cohorts are combined, and the CODA and WB cohorts are added. The weights derived for waves from 1998 forward used Respondents from ALL cohorts (age-eligible for the entry cohort or not) to match the CPS/ACS-reported population sums. This means that some of the weight for the HRS birth year entry cohort is assigned to Respondents in other cohorts who happen to have been born 1931-1941, and some of the weight assigned to HRS birth year entry cohort Respondents outside the 1931-1941 range, accounts for some of the weight for other birth year entry cohorts.

HRS Variables Used

Tracker:

PWGTRE	WEIGHT: RESPONDENT LEVEL
xWGTR	1992-2014 WEIGHT: RESPONDENT-LEVEL
xWGTRNH	2000-2014 WEIGHT: NURSING HOME RESIDENT

Number of Household Respondents
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Wave	Variable Name	Variable Label	Type
1	H1HHRESP	H1HHRESP:W1 # core respondents in HH	Cont
2	H2HHRESP	H2HHRESP:W2 # core respondents in HH	Cont
3	H3HHRESP	H3HHRESP:W3 # core respondents in HH	Cont
4	H4HHRESP	H4HHRESP:W4 # core respondents in HH	Cont
5	H5HHRESP	H5HHRESP:W5 # core respondents in HH	Cont
6	H6HHRESP	H6HHRESP:W6 # core respondents in HH	Cont
7	H7HHRESP	H7HHRESP:W7 # core respondents in HH	Cont
8	H8HHRESP	H8HHRESP:W8 # core respondents in HH	Cont
9	H9HHRESP	H9HHRESP:W9 # core respondents in HH	Cont
10	H10HHRESP	H10HHRESP:W10 # core respondents in HH	Cont
11	H11HHRESP	H11HHRESP:W11 # core respondents in HH	Cont
12	H12HHRESP	H12HHRESP:W12 # core respondents in HH	Cont
13	H13HHRESP	H13HHRESP:W13 # core respondents in HH	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
H1HHRESP	12652	1.78	0.41	1.0	2.0
H2HHRESP	19642	1.67	0.47	1.0	2.0
H3HHRESP	17991	1.66	0.47	1.0	2.0
H4HHRESP	21384	1.65	0.48	1.0	2.0
H5HHRESP	19578	1.65	0.48	1.0	2.0
H6HHRESP	18165	1.64	0.48	1.0	2.0
H7HHRESP	20129	1.64	0.48	1.0	2.0
H8HHRESP	18469	1.64	0.48	1.0	2.0
H9HHRESP	17217	1.62	0.49	1.0	2.0
H10HHRESP	22034	1.61	0.49	1.0	2.0
H11HHRESP	20554	1.61	0.49	1.0	2.0
H12HHRESP	18747	1.59	0.49	1.0	2.0
H13HHRESP	20912	1.56	0.50	1.0	2.0

How Constructed

HwHHRESP is the number of individuals in the household who actually responded at each wave. It counts the Respondent and spouse, if any, and if the spouse responded, takes on a value of 1 or 2. Individuals with a value greater than zero for INWw are counted by wave-specific household, i.e., by a sub-household ID, which is included in HwHHID.

The value is missing if an individual did not respond in Wave 'w.' Thus, HwHHRESP is simply an indicator of whether the individual is the only Respondent in the household or not.

HRS Variables Used

Tracker:

HHID	HOUSEHOLD IDENTIFIER
xSUBHH	1992–2016 SUB-HOUSEHOLD IDENTIFIER

Whether Couple Household

Wave	Variable Name	Variable Label	Type
1	H1CPL	H1CPL:W1 Whether couple HHold	Categ
2	H2CPL	H2CPL:W2 Whether couple HHold	Categ
3	H3CPL	H3CPL:W3 Whether couple HHold	Categ
4	H4CPL	H4CPL:W4 Whether couple HHold	Categ
5	H5CPL	H5CPL:W5 Whether couple HHold	Categ
6	H6CPL	H6CPL:W6 Whether couple HHold	Categ
7	H7CPL	H7CPL:W7 Whether couple HHold	Categ
8	H8CPL	H8CPL:W8 Whether couple HHold	Categ
9	H9CPL	H9CPL:W9 Whether couple HHold	Categ
10	H10CPL	H10CPL:W10 Whether couple HHold	Categ
11	H11CPL	H11CPL:W11 Whether couple HHold	Categ
12	H12CPL	H12CPL:W12 Whether couple HHold	Categ
13	H13CPL	H13CPL:W13 Whether couple HHold	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
H1CPL	12652	0.81	0.39	0.0	1.0
H2CPL	19642	0.70	0.46	0.0	1.0
H3CPL	17991	0.69	0.46	0.0	1.0
H4CPL	21384	0.68	0.47	0.0	1.0
H5CPL	19578	0.67	0.47	0.0	1.0
H6CPL	18165	0.65	0.48	0.0	1.0
H7CPL	20129	0.66	0.47	0.0	1.0
H8CPL	18469	0.65	0.48	0.0	1.0
H9CPL	17217	0.64	0.48	0.0	1.0
H10CPL	22034	0.65	0.48	0.0	1.0
H11CPL	20554	0.64	0.48	0.0	1.0
H12CPL	18747	0.62	0.49	0.0	1.0
H13CPL	20912	0.62	0.49	0.0	1.0

Categorical Variable Codes

HwCPL: Whether couple HHold											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Not a couple HH	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
1.Couple HH	|	10279	13674	12334	14516	13041	11859	13352	12052	11012	14235

Value		w11	w12	w13
0.Not a couple HH	|	7474	7125	8024
1.Couple HH	|	13080	11622	12888

How Constructed

HwCPL indicates whether this household is treated as a couple household or not. Households in HRS can consist of a single Respondent or a couple. HwCPL is set to "1" if the Respondent is married (RwMSTAT or RwMSTATH is married or partnered), partnered (RwMPART=1), or if there are two Respondents in the wave-specific household (HwHHRESP=2). Otherwise a single Respondent is assumed, and HwCPL is set to "0." As with most other RAND HRS variables, HwCPL is missing in waves where the Respondent does not respond.

Financial, Family Respondent

Wave	Variable Name	Variable Label	Type
1	R1FAMR	R1FAMR:W1 Whether Family Resp	Categ
2	R2FAMR	R2FAMR:W2 Whether Family Resp	Categ
3	R3FAMR	R3FAMR:W3 Whether Family Resp	Categ
4	R4FAMR	R4FAMR:W4 Whether Family Resp	Categ
5	R5FAMR	R5FAMR:W5 Whether Family Resp	Categ
6	R6FAMR	R6FAMR:W6 Whether Family Resp	Categ
7	R7FAMR	R7FAMR:W7 Whether Family Resp	Categ
8	R8FAMR	R8FAMR:W8 Whether Family Resp	Categ
9	R9FAMR	R9FAMR:W9 Whether Family Resp	Categ
10	R10FAMR	R10FAMR:W10 Whether Family Resp	Categ
11	R11FAMR	R11FAMR:W11 Whether Family Resp	Categ
12	R12FAMR	R12FAMR:W12 Whether Family Resp	Categ
13	R13FAMR	R13FAMR:W13 Whether Family Resp	Categ
1	S1FAMR	S1FAMR:W1 Whether Family Resp	Categ
2	S2FAMR	S2FAMR:W2 Whether Family Resp	Categ
3	S3FAMR	S3FAMR:W3 Whether Family Resp	Categ
4	S4FAMR	S4FAMR:W4 Whether Family Resp	Categ
5	S5FAMR	S5FAMR:W5 Whether Family Resp	Categ
6	S6FAMR	S6FAMR:W6 Whether Family Resp	Categ
7	S7FAMR	S7FAMR:W7 Whether Family Resp	Categ
8	S8FAMR	S8FAMR:W8 Whether Family Resp	Categ
9	S9FAMR	S9FAMR:W9 Whether Family Resp	Categ
10	S10FAMR	S10FAMR:W10 Whether Family Resp	Categ
11	S11FAMR	S11FAMR:W11 Whether Family Resp	Categ
12	S12FAMR	S12FAMR:W12 Whether Family Resp	Categ
13	S13FAMR	S13FAMR:W13 Whether Family Resp	Categ
1	R1FINR	R1FINR:W1 Whether Financial Resp	Categ
2	R2FINR	R2FINR:W2 Whether Financial Resp	Categ
3	R3FINR	R3FINR:W3 Whether Financial Resp	Categ
4	R4FINR	R4FINR:W4 Whether Financial Resp	Categ
5	R5FINR	R5FINR:W5 Whether Financial Resp	Categ
6	R6FINR	R6FINR:W6 Whether Financial Resp	Categ
7	R7FINR	R7FINR:W7 Whether Financial Resp	Categ
8	R8FINR	R8FINR:W8 Whether Financial Resp	Categ
9	R9FINR	R9FINR:W9 Whether Financial Resp	Categ
10	R10FINR	R10FINR:W10 Whether Financial Resp	Categ
11	R11FINR	R11FINR:W11 Whether Financial Resp	Categ
12	R12FINR	R12FINR:W12 Whether Financial Resp	Categ
13	R13FINR	R13FINR:W13 Whether Financial Resp	Categ
1	S1FINR	S1FINR:W1 Whether Financial Resp	Categ
2	S2FINR	S2FINR:W2 Whether Financial Resp	Categ
3	S3FINR	S3FINR:W3 Whether Financial Resp	Categ
4	S4FINR	S4FINR:W4 Whether Financial Resp	Categ
5	S5FINR	S5FINR:W5 Whether Financial Resp	Categ
6	S6FINR	S6FINR:W6 Whether Financial Resp	Categ
7	S7FINR	S7FINR:W7 Whether Financial Resp	Categ
8	S8FINR	S8FINR:W8 Whether Financial Resp	Categ
9	S9FINR	S9FINR:W9 Whether Financial Resp	Categ
10	S10FINR	S10FINR:W10 Whether Financial Resp	Categ
11	S11FINR	S11FINR:W11 Whether Financial Resp	Categ
12	S12FINR	S12FINR:W12 Whether Financial Resp	Categ
13	S13FINR	S13FINR:W13 Whether Financial Resp	Categ
1	H1ANYFAM	H1ANYFAM:W1 Whether any FamR in HH	Categ
2	H2ANYFAM	H2ANYFAM:W2 Whether any FamR in HH	Categ
3	H3ANYFAM	H3ANYFAM:W3 Whether any FamR in HH	Categ
4	H4ANYFAM	H4ANYFAM:W4 Whether any FamR in HH	Categ
5	H5ANYFAM	H5ANYFAM:W5 Whether any FamR in HH	Categ
6	H6ANYFAM	H6ANYFAM:W6 Whether any FamR in HH	Categ
7	H7ANYFAM	H7ANYFAM:W7 Whether any FamR in HH	Categ
8	H8ANYFAM	H8ANYFAM:W8 Whether any FamR in HH	Categ
9	H9ANYFAM	H9ANYFAM:W9 Whether any FamR in HH	Categ
10	H10ANYFAM	H10ANYFAM:W10 Whether any FamR in HH	Categ

11	H11ANYFAM	H11ANYFAM:W11 Whether any FamR in HH	Categ
12	H12ANYFAM	H12ANYFAM:W12 Whether any FamR in HH	Categ
13	H13ANYFAM	H13ANYFAM:W13 Whether any FamR in HH	Categ
1	H1ANYFIN	H1ANYFIN:W1 Whether any FinR in HH	Categ
2	H2ANYFIN	H2ANYFIN:W2 Whether any FinR in HH	Categ
3	H3ANYFIN	H3ANYFIN:W3 Whether any FinR in HH	Categ
4	H4ANYFIN	H4ANYFIN:W4 Whether any FinR in HH	Categ
5	H5ANYFIN	H5ANYFIN:W5 Whether any FinR in HH	Categ
6	H6ANYFIN	H6ANYFIN:W6 Whether any FinR in HH	Categ
7	H7ANYFIN	H7ANYFIN:W7 Whether any FinR in HH	Categ
8	H8ANYFIN	H8ANYFIN:W8 Whether any FinR in HH	Categ
9	H9ANYFIN	H9ANYFIN:W9 Whether any FinR in HH	Categ
10	H10ANYFIN	H10ANYFIN:W10 Whether any FinR in HH	Categ
11	H11ANYFIN	H11ANYFIN:W11 Whether any FinR in HH	Categ
12	H12ANYFIN	H12ANYFIN:W12 Whether any FinR in HH	Categ
13	H13ANYFIN	H13ANYFIN:W13 Whether any FinR in HH	Categ
1	H1PICKHH	H1PICKHH:W1 Select subHH level file	Categ
2	H2PICKHH	H2PICKHH:W2 Select subHH level file	Categ
3	H3PICKHH	H3PICKHH:W3 Select subHH level file	Categ
4	H4PICKHH	H4PICKHH:W4 Select subHH level file	Categ
5	H5PICKHH	H5PICKHH:W5 Select subHH level file	Categ
6	H6PICKHH	H6PICKHH:W6 Select subHH level file	Categ
7	H7PICKHH	H7PICKHH:W7 Select subHH level file	Categ
8	H8PICKHH	H8PICKHH:W8 Select subHH level file	Categ
9	H9PICKHH	H9PICKHH:W9 Select subHH level file	Categ
10	H10PICKHH	H10PICKHH:W10 Select subHH level file	Categ
11	H11PICKHH	H11PICKHH:W11 Select subHH level file	Categ
12	H12PICKHH	H12PICKHH:W12 Select subHH level file	Categ
13	H13PICKHH	H13PICKHH:W13 Select subHH level file	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1FAMR	12652	0.60	0.49	0.0	1.0
R2FAMR	19642	0.66	0.47	0.0	1.0
R3FAMR	17991	0.67	0.47	0.0	1.0
R4FAMR	21384	0.66	0.47	0.0	1.0
R5FAMR	19578	0.67	0.47	0.0	1.0
R6FAMR	18165	0.68	0.47	0.0	1.0
R7FAMR	20129	0.67	0.47	0.0	1.0
R8FAMR	18469	0.68	0.47	0.0	1.0
R9FAMR	17217	0.69	0.46	0.0	1.0
R10FAMR	22034	0.68	0.47	0.0	1.0
R11FAMR	20554	0.69	0.46	0.0	1.0
R12FAMR	18747	0.70	0.46	0.0	1.0
R13FAMR	20912	0.70	0.46	0.0	1.0
S1FAMR	9900	0.50	0.50	0.0	1.0
S2FAMR	13090	0.50	0.50	0.0	1.0
S3FAMR	11917	0.50	0.50	0.0	1.0
S4FAMR	13980	0.50	0.50	0.0	1.0
S5FAMR	12730	0.50	0.50	0.0	1.0
S6FAMR	11639	0.50	0.50	0.0	1.0
S7FAMR	12972	0.50	0.50	0.0	1.0
S8FAMR	11735	0.50	0.50	0.0	1.0
S9FAMR	10646	0.50	0.50	0.0	1.0
S10FAMR	13513	0.50	0.50	0.0	1.0
S11FAMR	12488	0.50	0.50	0.0	1.0
S12FAMR	11012	0.50	0.50	0.0	1.0

S13FAMR	11779	0.50	0.50	0.0	1.0
R1FINR	12652	0.60	0.49	0.0	1.0
R2FINR	19642	0.66	0.47	0.0	1.0
R3FINR	17991	0.66	0.47	0.0	1.0
R4FINR	21384	0.67	0.47	0.0	1.0
R5FINR	19578	0.67	0.47	0.0	1.0
R6FINR	18165	0.68	0.47	0.0	1.0
R7FINR	20129	0.67	0.47	0.0	1.0
R8FINR	18469	0.68	0.47	0.0	1.0
R9FINR	17217	0.69	0.46	0.0	1.0
R10FINR	22034	0.69	0.46	0.0	1.0
R11FINR	20554	0.69	0.46	0.0	1.0
R12FINR	18747	0.70	0.46	0.0	1.0
R13FINR	20912	0.71	0.46	0.0	1.0
S1FINR	9900	0.50	0.50	0.0	1.0
S2FINR	13090	0.50	0.50	0.0	1.0
S3FINR	11917	0.50	0.50	0.0	1.0
S4FINR	13980	0.50	0.50	0.0	1.0
S5FINR	12730	0.50	0.50	0.0	1.0
S6FINR	11639	0.50	0.50	0.0	1.0
S7FINR	12972	0.50	0.50	0.0	1.0
S8FINR	11735	0.50	0.50	0.0	1.0
S9FINR	10646	0.50	0.50	0.0	1.0
S10FINR	13513	0.50	0.50	0.0	1.0
S11FINR	12488	0.50	0.50	0.0	1.0
S12FINR	11012	0.50	0.50	0.0	1.0
S13FINR	11779	0.50	0.50	0.0	1.0
H1ANYFAM	12652	0.99	0.11	0.0	1.0
H2ANYFAM	19642	0.99	0.10	0.0	1.0
H3ANYFAM	17991	1.00	0.06	0.0	1.0
H4ANYFAM	21384	0.99	0.10	0.0	1.0
H5ANYFAM	19578	0.99	0.07	0.0	1.0
H6ANYFAM	18165	1.00	0.01	0.0	1.0
H7ANYFAM	20129	0.99	0.08	0.0	1.0
H8ANYFAM	18469	1.00	0.07	0.0	1.0
H9ANYFAM	17217	1.00	0.07	0.0	1.0
H10ANYFAM	22034	0.99	0.12	0.0	1.0
H11ANYFAM	20554	0.99	0.09	0.0	1.0
H12ANYFAM	18747	0.99	0.09	0.0	1.0
H13ANYFAM	20912	0.98	0.15	0.0	1.0
H1ANYFIN	12652	0.99	0.09	0.0	1.0
H2ANYFIN	19642	0.99	0.09	0.0	1.0
H3ANYFIN	17991	1.00	0.07	0.0	1.0
H4ANYFIN	21384	0.99	0.08	0.0	1.0
H5ANYFIN	19578	1.00	0.07	0.0	1.0
H6ANYFIN	18165	1.00	0.04	0.0	1.0
H7ANYFIN	20129	1.00	0.05	0.0	1.0
H8ANYFIN	18469	1.00	0.05	0.0	1.0
H9ANYFIN	17217	1.00	0.06	0.0	1.0
H10ANYFIN	22034	0.99	0.08	0.0	1.0
H11ANYFIN	20554	0.99	0.08	0.0	1.0
H12ANYFIN	18747	0.99	0.09	0.0	1.0
H13ANYFIN	20912	0.99	0.11	0.0	1.0
H1PICKHH	12652	0.61	0.49	0.0	1.0

H2PICKHH	19642	0.67	0.47	0.0	1.0
H3PICKHH	17991	0.67	0.47	0.0	1.0
H4PICKHH	21384	0.67	0.47	0.0	1.0
H5PICKHH	19578	0.67	0.47	0.0	1.0
H6PICKHH	18165	0.68	0.47	0.0	1.0
H7PICKHH	20129	0.68	0.47	0.0	1.0
H8PICKHH	18469	0.68	0.47	0.0	1.0
H9PICKHH	17217	0.69	0.46	0.0	1.0
H10PICKHH	22034	0.69	0.46	0.0	1.0
H11PICKHH	20554	0.70	0.46	0.0	1.0
H12PICKHH	18747	0.71	0.46	0.0	1.0
H13PICKHH	20912	0.72	0.45	0.0	1.0

Categorical Variable Codes

RwFAMR: Whether Family Resp											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	|	5105	6719	6026	7181	6472	5819	6615	5956	5404	7057
1.Yes	|	7547	12923	11965	14203	13106	12346	13514	12513	11813	14977
Value		w11	w12	w13							
0.No	|	6407	5674	6351							
1.Yes	|	14147	13073	14561							
SwFAMR: Whether Family Resp											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	4950	6556	5955	7007	6365	5816	6484	5866	5320	6754
1.Yes	|	4950	6534	5962	6973	6365	5823	6488	5869	5326	6759
Value		w11	w12	w13							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	6240	5508	5889							
1.Yes	|	6248	5504	5890							

RwFINR: Whether Financial Resp

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	|	5045	6694	6036	7127	6462	5846	6544	5911	5375	6904
1.Yes	|	7607	12948	11955	14257	13116	12319	13585	12558	11842	15130

Value		w11	w12	w13
0.No	|	6363	5649	6146
1.Yes	|	14191	13098	14766

SwFINR: Whether Financial Resp

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	4950	6556	5957	6992	6365	5816	6484	5866	5320	6754
1.Yes	|	4950	6534	5960	6988	6365	5823	6488	5869	5326	6759

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	6239	5508	5889
1.Yes	|	6249	5504	5890

HwANYFAM: Whether any FamR in HH

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	|	155	208	72	210	107	4	131	92	84	303
1.Yes	|	12497	19434	17919	21174	19471	18161	19998	18377	17133	21731

Value		w11	w12	w13
0.No	|	171	170	462
1.Yes	|	20383	18577	20450

HwANYFIN: Whether any FinR in HH											
Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	|	95	161	83	141	97	30	60	47	55	150
1.Yes	|	12557	19481	17908	21243	19481	18135	20069	18422	17162	21884
Value	|	w11	w12	w13							
0.No	|	126	145	257							
1.Yes	|	20428	18602	20655							
HwPICKHH: Select subHH level file											
Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Drop for HH-level file	|	4950	6544	5955	6989	6365	5816	6484	5864	5320	6754
1.Select for HH-level file	|	7702	13098	12036	14395	13213	12349	13645	12605	11897	15280
Value	|	w11	w12	w13							
0.Drop for HH-level file	|	6238	5506	5889							
1.Select for HH-level file	|	14316	13241	15023							

How Constructed

In couple households, household level questions about finances are answered by one individual designated the "Financial Respondent," and questions about family are answered by the individual designated the "Family Respondent." The Financial Respondent may be the same as the Family Respondent, or not, depending on the household. In single households, the only Respondent is both the Financial and Family Respondent.

RwFINR and RwFAMR indicate whether the Respondent is the designated Financial and Family Respondent, respectively. These flags are set to "1" if the designated Respondent, or "0" if not.

HwANYFIN indicates if any individual in the household is the Financial Respondent, and HwANYFAM indicates the same for the Family Respondent. A value of "0" in HwANYFIN or HwANYFAM indicates that there is no Financial or Family Respondent, respectively, and thus no household level information on the relevant topics. HwANYFIN and HwANYFAM are set to .S for the deceased Respondents in Wave 2 in previous versions of RAND HRS Longitudinal File. We exclude the W2 deceased Respondents in this version.

SwFINR and SwFAMR are taken from the Wave "w" spouse's value for RwFINR and RwFAMR, respectively.

HwPICKHH can be used to extract a household level file (i.e., one for each sub-household in the core data) by selecting records where HwPICKHH=1. This will select all individuals in single-Respondent households and just the Financial Respondent in couple households. For some households there is no Financial Respondent. HwPICKHH selects a Respondent for every household that participated in a given wave, regardless of whether a Financial Respondent is present. For couple households where there is no Financial Respondent, HRS sometimes assigns this role based on the variable xPN_FIN (FINANCIAL RESP PERSON NUMBER). We set HwPICKHH=1 for that Respondent. Otherwise, we set HwPICKHH=1 for the Respondent in the household who is not the Family Respondent. If no Family Respondent is assigned, we set HwPICKHH=1 for the Respondent with the lowest PN. Please note that for some analyses, selecting a different record in couple households may be more appropriate. The analyst will need to determine this based on her/his research goals.

As stated in the "Household Identifier" section, there are a few households in Wave 3H that appear to be reunited based on

answers to questions in the CoverSheet section. They are reunited in Wave 4 in the public use HRS core data, but have different sub-household IDs in Wave 3. We reunite them in Wave 3 in the RAND HRS Longitudinal File. These households are: 17520 (PNs 010 and 040), 22999 (PNs 010 and 020), 40609 (PNs 010 and 020), 40441 (PNs 010 and 020), 50945 (PNs 010 and 040). These cases will have different sub-household IDs in H3HHID from the ESUBHH found in the Tracker and core 1996 files. The spouse PNs will also differ. For households 22999, 40441, and 50945, H3PICKHH will select both members from each household, since each member of the couple is flagged as the Financial Respondent. We did not select just one member from each household to go through the imputation process, but processed their responses as is. Therefore, they may each give different responses about their income and assets.

HRS Variables Used

Tracker:	
HHID	HOUSEHOLD IDENTIFIER
OVHHID	OVERLAP CASE: OLD HHID
OVPN	OVERLAP CASE: OLD PN
PN	PERSON NUMBER
xFAMR	1992-2016 WHETHER FAMILY RESPONDENT
xFINR	1992-2016 WHETHER FINANCIAL RESPONDENT
xSUBHH	1992-2016 SUB-HOUSEHOLD IDENTIFIER

Whether Proxy Interview

Wave	Variable Name	Variable Label	Type
1	R1PROXY	R1PROXY:W1 Whether Proxy Interview	Categ
2	R2PROXY	R2PROXY:W2 Whether Proxy Interview	Categ
3	R3PROXY	R3PROXY:W3 Whether Proxy Interview	Categ
4	R4PROXY	R4PROXY:W4 Whether Proxy Interview	Categ
5	R5PROXY	R5PROXY:W5 Whether Proxy Interview	Categ
6	R6PROXY	R6PROXY:W6 Whether Proxy Interview	Categ
7	R7PROXY	R7PROXY:W7 Whether Proxy Interview	Categ
8	R8PROXY	R8PROXY:W8 Whether Proxy Interview	Categ
9	R9PROXY	R9PROXY:W9 Whether Proxy Interview	Categ
10	R10PROXY	R10PROXY:W10 Whether Proxy Interview	Categ
11	R11PROXY	R11PROXY:W11 Whether Proxy Interview	Categ
12	R12PROXY	R12PROXY:W12 Whether Proxy Interview	Categ
13	R13PROXY	R13PROXY:W13 Whether Proxy Interview	Categ
1	S1PROXY	S1PROXY:W1 Whether Proxy Interview	Categ
2	S2PROXY	S2PROXY:W2 Whether Proxy Interview	Categ
3	S3PROXY	S3PROXY:W3 Whether Proxy Interview	Categ
4	S4PROXY	S4PROXY:W4 Whether Proxy Interview	Categ
5	S5PROXY	S5PROXY:W5 Whether Proxy Interview	Categ
6	S6PROXY	S6PROXY:W6 Whether Proxy Interview	Categ
7	S7PROXY	S7PROXY:W7 Whether Proxy Interview	Categ
8	S8PROXY	S8PROXY:W8 Whether Proxy Interview	Categ
9	S9PROXY	S9PROXY:W9 Whether Proxy Interview	Categ
10	S10PROXY	S10PROXY:W10 Whether Proxy Interview	Categ
11	S11PROXY	S11PROXY:W11 Whether Proxy Interview	Categ
12	S12PROXY	S12PROXY:W12 Whether Proxy Interview	Categ
13	S13PROXY	S13PROXY:W13 Whether Proxy Interview	Categ
E	REPROXYSP	REPROXYSP:EXIT Proxy is spouse	Categ
E	REPROXYREL	REPROXYREL:EXIT Proxy relationship to R	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1PROXY	12652	0.05	0.22	0.0	1.0
R2PROXY	19642	0.08	0.27	0.0	1.0
R3PROXY	17991	0.09	0.29	0.0	1.0
R4PROXY	21384	0.10	0.29	0.0	1.0
R5PROXY	19578	0.11	0.31	0.0	1.0
R6PROXY	18165	0.11	0.32	0.0	1.0
R7PROXY	20129	0.09	0.29	0.0	1.0
R8PROXY	18469	0.07	0.25	0.0	1.0
R9PROXY	17217	0.07	0.25	0.0	1.0
R10PROXY	22034	0.06	0.24	0.0	1.0
R11PROXY	20554	0.06	0.23	0.0	1.0
R12PROXY	18747	0.06	0.23	0.0	1.0
R13PROXY	20912	0.04	0.21	0.0	1.0
S1PROXY	9900	0.06	0.24	0.0	1.0
S2PROXY	13090	0.09	0.28	0.0	1.0
S3PROXY	11917	0.09	0.29	0.0	1.0
S4PROXY	13980	0.10	0.30	0.0	1.0
S5PROXY	12730	0.11	0.31	0.0	1.0
S6PROXY	11639	0.12	0.32	0.0	1.0
S7PROXY	12972	0.09	0.29	0.0	1.0
S8PROXY	11735	0.07	0.25	0.0	1.0
S9PROXY	10646	0.06	0.24	0.0	1.0

REPROXYSP: EXIT Proxy is spouse

Value	
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0. No	9574
1. Yes	4691

REPROXYREL: EXIT Proxy relationship to R

Value	
.D=DK	2455
.M=Oth missing	1
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
2. Spouse/Partner	4691
3. Son	1607
4. Stepson Or Son Of Partne	39
5. Spouse/Partner Of Daught	45
6. Daughter	3189
7. Stepdaughter Or Daughter	94
8. Spouse/Partner Of Son	179
9. Grandchild Of R Or Sp/P	242
15. Brother	136
17. Sister	381
19. Other Relative	743
20. Other Individual	408
23. Paid Helper	15
24. Professional	36
33. Sp/P Of Grandchild	4

How Constructed

Core Interview Variables

RwPROXY is set to "1" if the interview is by proxy in wave "w." It is set to "0" if the Respondent is not a proxy. Proxy status is taken directly from the Tracker file.

The spouse's proxy flag is taken from the Wave "w" spouse's variable, i.e., from the Wave "w" spouse's RwPROXY.

Exit Interview Variables

REPROXYSP is a flag variable indicating whether the Exit Interview was completed by the Respondent's spouse or not. It is set to "1" if the Exit Interview is by the surviving spouse. It is set to "0" if the proxy is not a surviving spouse.

REPROXYREL is the relationship of the proxy to the deceased Respondent.

Cross Wave Differences in Original HRS Data

Exit Interview Variables

From Wave 2 to Wave 5, there is only one question which asks if the proxy is the surviving spouse. If the proxy is not the surviving spouse, we do not know the relationship of the proxy to the deceased Respondent, so REPROXYREL is coded .D for "don't know." From Wave 6 forward, there is an additional question that asks about the relationship of the proxy to the deceased Respondent. There are a small number of cases where the proxy reports that s/he is not the surviving spouse in the proxy question and then reports s/he is the spouse in the relationship question. For these inconsistencies, we keep REPROXYSP = 0, and REPROXYREL is coded .D for "don't know."

HRS Variables Used

Exit Interview Variables

AHEAD 1995:	
N218	CS1a.PROXY INTERVIEW
HRS 1996:	
P218	CS1a.PROXY INTERVIEW
HRS 1998:	
Q483	CS1A.PROXY/SELF INTERVIEW
HRS 2000:	
R514	CS1A.PROXY/SELF INTERVIEW
HRS 2002-2016:	
xA009	PROXY/SELF INTERVIEW
xA103	PROXY RELATIONSHIP TO R

Tracker Variables

Tracker:	
xPPN	1994-2016 SPOUSE-PARTNER PERSON NUMBER
xPROXY	1992-2016 PROXY TYPE STATUS

Interview Dates

Wave	Variable Name	Variable Label	Type
1	R1IWBEG	R1IWBEG:W1 Interview Begin Date	Cont
2	R2IWBEG	R2IWBEG:W2 Interview Begin Date	Cont
3	R3IWBEG	R3IWBEG:W3 Interview Begin Date	Cont
4	R4IWBEG	R4IWBEG:W4 Interview Begin Date	Cont
5	R5IWBEG	R5IWBEG:W5 Interview Begin Date	Cont
6	R6IWBEG	R6IWBEG:W6 Interview Begin Date	Cont
7	R7IWBEG	R7IWBEG:W7 Interview Begin Date	Cont
8	R8IWBEG	R8IWBEG:W8 Interview Begin Date	Cont
9	R9IWBEG	R9IWBEG:W9 Interview Begin Date	Cont
10	R10IWBEG	R10IWBEG:W10 Interview Begin Date	Cont
11	R11IWBEG	R11IWBEG:W11 Interview Begin Date	Cont
12	R12IWBEG	R12IWBEG:W12 Interview Begin Date	Cont
13	R13IWBEG	R13IWBEG:W13 Interview Begin Date	Cont
1	S1IWBEG	S1IWBEG:W1 Interview Begin Date	Cont
2	S2IWBEG	S2IWBEG:W2 Interview Begin Date	Cont
3	S3IWBEG	S3IWBEG:W3 Interview Begin Date	Cont
4	S4IWBEG	S4IWBEG:W4 Interview Begin Date	Cont
5	S5IWBEG	S5IWBEG:W5 Interview Begin Date	Cont
6	S6IWBEG	S6IWBEG:W6 Interview Begin Date	Cont
7	S7IWBEG	S7IWBEG:W7 Interview Begin Date	Cont
8	S8IWBEG	S8IWBEG:W8 Interview Begin Date	Cont
9	S9IWBEG	S9IWBEG:W9 Interview Begin Date	Cont
10	S10IWBEG	S10IWBEG:W10 Interview Begin Date	Cont
11	S11IWBEG	S11IWBEG:W11 Interview Begin Date	Cont
12	S12IWBEG	S12IWBEG:W12 Interview Begin Date	Cont
13	S13IWBEG	S13IWBEG:W13 Interview Begin Date	Cont
1	R1IWBEGF	R1IWBEGF:W1 Interview Beg Date Flag	Categ
2	R2IWBEGF	R2IWBEGF:W2 Interview Beg Date Flag	Categ
1	S1IWBEGF	S1IWBEGF:W1 Interview Beg Date Flag	Categ
2	S2IWBEGF	S2IWBEGF:W2 Interview Beg Date Flag	Categ
1	R1IWEND	R1IWEND:W1 Interview End Date	Cont
2	R2IWEND	R2IWEND:W2 Interview End Date	Cont
3	R3IWEND	R3IWEND:W3 Interview End Date	Cont
4	R4IWEND	R4IWEND:W4 Interview End Date	Cont
5	R5IWEND	R5IWEND:W5 Interview End Date	Cont
6	R6IWEND	R6IWEND:W6 Interview End Date	Cont
7	R7IWEND	R7IWEND:W7 Interview End Date	Cont
8	R8IWEND	R8IWEND:W8 Interview End Date	Cont
9	R9IWEND	R9IWEND:W9 Interview End Date	Cont
10	R10IWEND	R10IWEND:W10 Interview End Date	Cont
11	R11IWEND	R11IWEND:W11 Interview End Date	Cont
12	R12IWEND	R12IWEND:W12 Interview End Date	Cont
13	R13IWEND	R13IWEND:W13 Interview End Date	Cont
1	S1IWEND	S1IWEND:W1 Interview End Date	Cont
2	S2IWEND	S2IWEND:W2 Interview End Date	Cont
3	S3IWEND	S3IWEND:W3 Interview End Date	Cont
4	S4IWEND	S4IWEND:W4 Interview End Date	Cont
5	S5IWEND	S5IWEND:W5 Interview End Date	Cont
6	S6IWEND	S6IWEND:W6 Interview End Date	Cont
7	S7IWEND	S7IWEND:W7 Interview End Date	Cont
8	S8IWEND	S8IWEND:W8 Interview End Date	Cont
9	S9IWEND	S9IWEND:W9 Interview End Date	Cont
10	S10IWEND	S10IWEND:W10 Interview End Date	Cont
11	S11IWEND	S11IWEND:W11 Interview End Date	Cont
12	S12IWEND	S12IWEND:W12 Interview End Date	Cont
13	S13IWEND	S13IWEND:W13 Interview End Date	Cont
1	R1IWENDF	R1IWENDF:W1 Interview End Date Flag	Categ
2	R2IWENDF	R2IWENDF:W2 Interview End Date Flag	Categ
3	R3IWENDF	R3IWENDF:W3 Interview End Date Flag	Categ

1	S1IWENDF	S1IWENDF:W1 Interview End Date Flag	Categ
2	S2IWENDF	S2IWENDF:W2 Interview End Date Flag	Categ
3	S3IWENDF	S3IWENDF:W3 Interview End Date Flag	Categ
1	R1IWMID	R1IWMID:W1 Interview Midpoint Date	Cont
2	R2IWMID	R2IWMID:W2 Interview Midpoint Date	Cont
3	R3IWMID	R3IWMID:W3 Interview Midpoint Date	Cont
4	R4IWMID	R4IWMID:W4 Interview Midpoint Date	Cont
5	R5IWMID	R5IWMID:W5 Interview Midpoint Date	Cont
6	R6IWMID	R6IWMID:W6 Interview Midpoint Date	Cont
7	R7IWMID	R7IWMID:W7 Interview Midpoint Date	Cont
8	R8IWMID	R8IWMID:W8 Interview Midpoint Date	Cont
9	R9IWMID	R9IWMID:W9 Interview Midpoint Date	Cont
10	R10IWMID	R10IWMID:W10 Interview Midpoint Date	Cont
11	R11IWMID	R11IWMID:W11 Interview Midpoint Date	Cont
12	R12IWMID	R12IWMID:W12 Interview Midpoint Date	Cont
13	R13IWMID	R13IWMID:W13 Interview Midpoint Date	Cont
1	S1IWMID	S1IWMID:W1 Interview Midpoint Date	Cont
2	S2IWMID	S2IWMID:W2 Interview Midpoint Date	Cont
3	S3IWMID	S3IWMID:W3 Interview Midpoint Date	Cont
4	S4IWMID	S4IWMID:W4 Interview Midpoint Date	Cont
5	S5IWMID	S5IWMID:W5 Interview Midpoint Date	Cont
6	S6IWMID	S6IWMID:W6 Interview Midpoint Date	Cont
7	S7IWMID	S7IWMID:W7 Interview Midpoint Date	Cont
8	S8IWMID	S8IWMID:W8 Interview Midpoint Date	Cont
9	S9IWMID	S9IWMID:W9 Interview Midpoint Date	Cont
10	S10IWMID	S10IWMID:W10 Interview Midpoint Date	Cont
11	S11IWMID	S11IWMID:W11 Interview Midpoint Date	Cont
12	S12IWMID	S12IWMID:W12 Interview Midpoint Date	Cont
13	S13IWMID	S13IWMID:W13 Interview Midpoint Date	Cont
1	R1IWMIDF	R1IWMIDF:W1 Interview Midpt Date Flag	Categ
2	R2IWMIDF	R2IWMIDF:W2 Interview Midpt Date Flag	Categ
3	R3IWMIDF	R3IWMIDF:W3 Interview Midpt Date Flag	Categ
4	R4IWMIDF	R4IWMIDF:W4 Interview Midpt Date Flag	Categ
5	R5IWMIDF	R5IWMIDF:W5 Interview Midpt Date Flag	Categ
6	R6IWMIDF	R6IWMIDF:W6 Interview Midpt Date Flag	Categ
7	R7IWMIDF	R7IWMIDF:W7 Interview Midpt Date Flag	Categ
8	R8IWMIDF	R8IWMIDF:W8 Interview Midpt Date Flag	Categ
9	R9IWMIDF	R9IWMIDF:W9 Interview Midpt Date Flag	Categ
10	R10IWMIDF	R10IWMIDF:W10 Interview Midpt Date Flag	Categ
11	R11IWMIDF	R11IWMIDF:W11 Interview Midpt Date Flag	Categ
12	R12IWMIDF	R12IWMIDF:W12 Interview Midpt Date Flag	Categ
13	R13IWMIDF	R13IWMIDF:W13 Interview Midpt Date Flag	Categ
1	S1IWMIDF	S1IWMIDF:W1 Interview Midpt Date Flag	Categ
2	S2IWMIDF	S2IWMIDF:W2 Interview Midpt Date Flag	Categ
3	S3IWMIDF	S3IWMIDF:W3 Interview Midpt Date Flag	Categ
4	S4IWMIDF	S4IWMIDF:W4 Interview Midpt Date Flag	Categ
5	S5IWMIDF	S5IWMIDF:W5 Interview Midpt Date Flag	Categ
6	S6IWMIDF	S6IWMIDF:W6 Interview Midpt Date Flag	Categ
7	S7IWMIDF	S7IWMIDF:W7 Interview Midpt Date Flag	Categ
8	S8IWMIDF	S8IWMIDF:W8 Interview Midpt Date Flag	Categ
9	S9IWMIDF	S9IWMIDF:W9 Interview Midpt Date Flag	Categ
10	S10IWMIDF	S10IWMIDF:W10 Interview Midpt Date Flag	Categ
11	S11IWMIDF	S11IWMIDF:W11 Interview Midpt Date Flag	Categ
12	S12IWMIDF	S12IWMIDF:W12 Interview Midpt Date Flag	Categ
13	S13IWMIDF	S13IWMIDF:W13 Interview Midpt Date Flag	Categ
1	R1IWENDM	R1IWENDM:W1 Interview End Month	Cont
2	R2IWENDM	R2IWENDM:W2 Interview End Month	Cont
3	R3IWENDM	R3IWENDM:W3 Interview End Month	Cont
4	R4IWENDM	R4IWENDM:W4 Interview End Month	Cont
5	R5IWENDM	R5IWENDM:W5 Interview End Month	Cont
6	R6IWENDM	R6IWENDM:W6 Interview End Month	Cont
7	R7IWENDM	R7IWENDM:W7 Interview End Month	Cont
8	R8IWENDM	R8IWENDM:W8 Interview End Month	Cont
9	R9IWENDM	R9IWENDM:W9 Interview End Month	Cont
10	R10IWENDM	R10IWENDM:W10 Interview End Month	Cont
11	R11IWENDM	R11IWENDM:W11 Interview End Month	Cont
12	R12IWENDM	R12IWENDM:W12 Interview End Month	Cont

13	R13IWENDM	R13IWENDM:W13 Interview End Month	Cont
1	S1IWENDM	S1IWENDM:W1 Interview End Month	Cont
2	S2IWENDM	S2IWENDM:W2 Interview End Month	Cont
3	S3IWENDM	S3IWENDM:W3 Interview End Month	Cont
4	S4IWENDM	S4IWENDM:W4 Interview End Month	Cont
5	S5IWENDM	S5IWENDM:W5 Interview End Month	Cont
6	S6IWENDM	S6IWENDM:W6 Interview End Month	Cont
7	S7IWENDM	S7IWENDM:W7 Interview End Month	Cont
8	S8IWENDM	S8IWENDM:W8 Interview End Month	Cont
9	S9IWENDM	S9IWENDM:W9 Interview End Month	Cont
10	S10IWENDM	S10IWENDM:W10 Interview End Month	Cont
11	S11IWENDM	S11IWENDM:W11 Interview End Month	Cont
12	S12IWENDM	S12IWENDM:W12 Interview End Month	Cont
13	S13IWENDM	S13IWENDM:W13 Interview End Month	Cont
1	R1IWENDY	R1IWENDY:W1 Interview End Year	Cont
2	R2IWENDY	R2IWENDY:W2 Interview End Year	Cont
3	R3IWENDY	R3IWENDY:W3 Interview End Year	Cont
4	R4IWENDY	R4IWENDY:W4 Interview End Year	Cont
5	R5IWENDY	R5IWENDY:W5 Interview End Year	Cont
6	R6IWENDY	R6IWENDY:W6 Interview End Year	Cont
7	R7IWENDY	R7IWENDY:W7 Interview End Year	Cont
8	R8IWENDY	R8IWENDY:W8 Interview End Year	Cont
9	R9IWENDY	R9IWENDY:W9 Interview End Year	Cont
10	R10IWENDY	R10IWENDY:W10 Interview End Year	Cont
11	R11IWENDY	R11IWENDY:W11 Interview End Year	Cont
12	R12IWENDY	R12IWENDY:W12 Interview End Year	Cont
13	R13IWENDY	R13IWENDY:W13 Interview End Year	Cont
1	S1IWENDY	S1IWENDY:W1 Interview End Year	Cont
2	S2IWENDY	S2IWENDY:W2 Interview End Year	Cont
3	S3IWENDY	S3IWENDY:W3 Interview End Year	Cont
4	S4IWENDY	S4IWENDY:W4 Interview End Year	Cont
5	S5IWENDY	S5IWENDY:W5 Interview End Year	Cont
6	S6IWENDY	S6IWENDY:W6 Interview End Year	Cont
7	S7IWENDY	S7IWENDY:W7 Interview End Year	Cont
8	S8IWENDY	S8IWENDY:W8 Interview End Year	Cont
9	S9IWENDY	S9IWENDY:W9 Interview End Year	Cont
10	S10IWENDY	S10IWENDY:W10 Interview End Year	Cont
11	S11IWENDY	S11IWENDY:W11 Interview End Year	Cont
12	S12IWENDY	S12IWENDY:W12 Interview End Year	Cont
13	S13IWENDY	S13IWENDY:W13 Interview End Year	Cont
E	REIWBEG	REIWBEG:EXIT Interview Begin Date	Cont
E	REIWEND	REIWEND:EXIT Interview End Date	Cont
E	REIWMID	REIWMID:EXIT Interview Midpt Date	Cont
E	REIWMIDF	REIWMIDF:EXIT Interview Midpt Date Flag	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1IWBEG	12652	11939.30	83.24	11779.0	12125.0
R2IWBEG	19642	12539.36	105.60	12341.0	12773.0
R3IWBEG	17991	13276.31	109.72	13102.0	13560.0
R4IWBEG	21384	14037.10	88.32	13894.0	14318.0
R5IWBEG	19578	14746.61	63.93	14624.0	14959.0
R6IWBEG	18165	15535.41	66.71	15355.0	15751.0
R7IWBEG	20129	16249.03	76.10	16116.0	16482.0
R8IWBEG	18469	16978.96	78.90	16875.0	17212.0
R9IWBEG	17217	17698.54	77.42	17577.0	17943.0
R10IWBEG	22034	18565.60	138.00	18336.0	18915.0
R11IWBEG	20554	19217.39	81.95	19098.0	19463.0
R12IWBEG	18747	19896.14	84.85	19797.0	20193.0
R13IWBEG	20912	20751.40	172.22	20499.0	21289.0

S1IWBEG	9900	11939.94	83.15	11779.0	12125.0
S2IWBEG	13090	12556.12	100.53	12341.0	12773.0
S3IWBEG	11917	13291.70	104.77	13102.0	13560.0
S4IWBEG	13980	14041.24	87.51	13894.0	14318.0
S5IWBEG	12730	14745.67	62.81	14624.0	14959.0
S6IWBEG	11639	15533.46	65.52	15355.0	15751.0
S7IWBEG	12972	16250.66	75.81	16116.0	16482.0
S8IWBEG	11735	16982.50	78.62	16875.0	17212.0
S9IWBEG	10646	17698.18	76.99	17577.0	17943.0
S10IWBEG	13513	18563.76	140.26	18336.0	18915.0
S11IWBEG	12488	19219.47	81.82	19098.0	19463.0
S12IWBEG	11012	19898.09	84.87	19797.0	20193.0
S13IWBEG	11779	20750.68	171.67	20499.0	21289.0
R1IWBEGF	12652	0.00	0.01	0.0	1.0
R2IWBEGF	19642	0.00	0.00	0.0	0.0
S1IWBEGF	9900	0.00	0.01	0.0	1.0
S2IWBEGF	13090	0.00	0.00	0.0	0.0
R1IWEND	12652	11939.95	83.30	11779.0	12125.0
R2IWEND	19642	12540.27	106.56	12341.0	12857.0
R3IWEND	17991	13277.50	111.09	13102.0	13560.0
R4IWEND	21384	14038.90	89.00	13894.0	14318.0
R5IWEND	19578	14748.04	64.73	14624.0	14959.0
R6IWEND	18165	15536.50	67.51	15445.0	15779.0
R7IWEND	20129	16249.03	76.10	16116.0	16482.0
R8IWEND	18469	16979.95	79.43	16875.0	17212.0
R9IWEND	17217	17699.66	78.02	17577.0	17943.0
R10IWEND	22034	18567.43	138.22	18336.0	18946.0
R11IWEND	20554	19220.21	83.79	19098.0	19493.0
R12IWEND	18747	19897.99	85.89	19797.0	20193.0
R13IWEND	20912	20755.39	173.94	20499.0	21319.0
S1IWEND	9900	11940.49	83.19	11779.0	12125.0
S2IWEND	13090	12556.80	101.15	12341.0	12857.0
S3IWEND	11917	13292.66	105.77	13102.0	13560.0
S4IWEND	13980	14042.64	87.95	13925.0	14318.0
S5IWEND	12730	14746.80	63.35	14624.0	14959.0
S6IWEND	11639	15534.28	66.13	15445.0	15751.0
S7IWEND	12972	16250.66	75.81	16116.0	16482.0
S8IWEND	11735	16983.11	78.93	16875.0	17212.0
S9IWEND	10646	17698.85	77.32	17577.0	17943.0
S10IWEND	13513	18565.19	140.45	18336.0	18946.0
S11IWEND	12488	19221.68	83.28	19098.0	19493.0
S12IWEND	11012	19899.38	85.52	19797.0	20193.0
S13IWEND	11779	20753.51	172.79	20499.0	21289.0
R1IWENDF	12652	0.01	0.30	0.0	7.0
R2IWENDF	19642	2.93	3.45	0.0	7.0
R3IWENDF	17991	3.34	2.93	1.0	7.0
S1IWENDF	9900	0.01	0.23	0.0	7.0
S2IWENDF	13090	2.33	3.30	0.0	7.0
S3IWENDF	11917	2.82	2.76	1.0	7.0
R1IWMID	12652	11939.63	83.22	11779.0	12125.0
R2IWMID	19642	12539.81	105.98	12341.0	12774.0

R3IWMID	17991	13276.90	110.28	13102.0	13560.0
R4IWMID	21384	14038.00	88.45	13894.0	14318.0
R5IWMID	19578	14747.32	64.14	14624.0	14959.0
R6IWMID	18165	15535.96	66.90	15445.0	15751.0
R7IWMID	20129	16249.03	76.10	16116.0	16482.0
R8IWMID	18469	16979.45	79.02	16875.0	17212.0
R9IWMID	17217	17699.10	77.55	17577.0	17943.0
R10IWMID	22034	18566.52	137.95	18336.0	18930.5
R11IWMID	20554	19218.80	82.39	19098.0	19463.0
R12IWMID	18747	19897.07	85.10	19797.0	20193.0
R13IWMID	20912	20753.39	172.60	20499.0	21289.0
S1IWMID	9900	11940.21	83.12	11779.0	12125.0
S2IWMID	13090	12556.46	100.78	12341.0	12774.0
S3IWMID	11917	13292.18	105.18	13102.0	13560.0
S4IWMID	13980	14041.94	87.59	13925.0	14318.0
S5IWMID	12730	14746.23	62.95	14624.0	14959.0
S6IWMID	11639	15533.87	65.66	15445.0	15751.0
S7IWMID	12972	16250.66	75.81	16116.0	16482.0
S8IWMID	11735	16982.81	78.71	16875.0	17212.0
S9IWMID	10646	17698.51	77.08	17577.0	17943.0
S10IWMID	13513	18564.47	140.24	18336.0	18930.5
S11IWMID	12488	19220.58	82.16	19098.0	19463.0
S12IWMID	11012	19898.73	85.01	19797.0	20193.0
S13IWMID	11779	20752.10	171.94	20499.0	21289.0
R1IWMIDF	12652	0.06	0.29	0.0	2.0
R2IWMIDF	19642	0.05	0.28	0.0	2.0
R3IWMIDF	17991	0.04	0.29	0.0	2.0
R4IWMIDF	21384	0.07	0.37	0.0	2.0
R5IWMIDF	19578	0.06	0.35	0.0	2.0
R6IWMIDF	18165	0.04	0.27	0.0	2.0
R7IWMIDF	20129	0.00	0.00	0.0	0.0
R8IWMIDF	18469	0.04	0.28	0.0	2.0
R9IWMIDF	17217	0.04	0.29	0.0	2.0
R10IWMIDF	22034	0.07	0.37	0.0	2.0
R11IWMIDF	20554	0.09	0.42	0.0	2.0
R12IWMIDF	18747	0.06	0.34	0.0	2.0
R13IWMIDF	20912	0.11	0.46	0.0	2.0
S1IWMIDF	9900	0.05	0.27	0.0	2.0
S2IWMIDF	13090	0.05	0.27	0.0	2.0
S3IWMIDF	11917	0.04	0.27	0.0	2.0
S4IWMIDF	13980	0.06	0.35	0.0	2.0
S5IWMIDF	12730	0.06	0.33	0.0	2.0
S6IWMIDF	11639	0.03	0.23	0.0	2.0
S7IWMIDF	12972	0.00	0.00	0.0	0.0
S8IWMIDF	11735	0.03	0.24	0.0	2.0
S9IWMIDF	10646	0.03	0.25	0.0	2.0
S10IWMIDF	13513	0.06	0.34	0.0	2.0
S11IWMIDF	12488	0.07	0.38	0.0	2.0
S12IWMIDF	11012	0.04	0.29	0.0	2.0
S13IWMIDF	11779	0.09	0.41	0.0	2.0
R1IWENDM	12652	7.39	3.04	1.0	12.0
R2IWENDM	19642	6.83	3.23	1.0	12.0
R3IWENDM	17991	6.87	3.31	1.0	12.0
R4IWENDM	21384	5.38	2.56	1.0	12.0
R5IWENDM	19578	5.09	2.12	1.0	12.0

R6IWENDM	18165	6.75	2.16	1.0	12.0
R7IWENDM	20129	6.24	2.45	1.0	12.0
R8IWENDM	18469	6.15	2.50	1.0	12.0
R9IWENDM	17217	5.82	2.44	1.0	12.0
R10IWENDM	22034	6.91	3.52	1.0	12.0
R11IWENDM	20554	6.96	2.50	1.0	12.0
R12IWENDM	18747	5.73	2.38	1.0	12.0
R13IWENDM	20912	6.65	2.92	1.0	12.0
S1IWENDM	9900	7.41	3.04	1.0	12.0
S2IWENDM	13090	6.83	2.96	1.0	12.0
S3IWENDM	11917	6.95	3.01	1.0	12.0
S4IWENDM	13980	5.48	2.51	1.0	12.0
S5IWENDM	12730	5.05	2.08	1.0	12.0
S6IWENDM	11639	6.72	2.11	1.0	12.0
S7IWENDM	12972	6.31	2.44	1.0	12.0
S8IWENDM	11735	6.24	2.49	1.0	12.0
S9IWENDM	10646	5.80	2.42	1.0	12.0
S10IWENDM	13513	6.85	3.48	1.0	12.0
S11IWENDM	12488	7.01	2.49	1.0	12.0
S12IWENDM	11012	5.76	2.36	1.0	12.0
S13IWENDM	11779	6.73	2.89	1.0	12.0
R1IWENDY	12652	1992.12	0.32	1992.0	1993.0
R2IWENDY	19642	1993.81	0.39	1993.0	1995.0
R3IWENDY	17991	1995.82	0.43	1995.0	1997.0
R4IWENDY	21384	1998.03	0.18	1998.0	1999.0
R5IWENDY	19578	2000.00	0.00	2000.0	2000.0
R6IWENDY	18165	2002.02	0.14	2002.0	2003.0
R7IWENDY	20129	2004.01	0.11	2004.0	2005.0
R8IWENDY	18469	2006.02	0.15	2006.0	2007.0
R9IWENDY	17217	2008.02	0.14	2008.0	2009.0
R10IWENDY	22034	2010.31	0.46	2010.0	2011.0
R11IWENDY	20554	2012.09	0.28	2012.0	2013.0
R12IWENDY	18747	2014.05	0.21	2014.0	2015.0
R13IWENDY	20912	2016.32	0.54	2016.0	2018.0
S1IWENDY	9900	1992.12	0.32	1992.0	1993.0
S2IWENDY	13090	1993.85	0.35	1993.0	1995.0
S3IWENDY	11917	1995.86	0.40	1995.0	1997.0
S4IWENDY	13980	1998.04	0.19	1998.0	1999.0
S5IWENDY	12730	2000.00	0.00	2000.0	2000.0
S6IWENDY	11639	2002.02	0.13	2002.0	2003.0
S7IWENDY	12972	2004.01	0.11	2004.0	2005.0
S8IWENDY	11735	2006.02	0.15	2006.0	2007.0
S9IWENDY	10646	2008.02	0.14	2008.0	2009.0
S10IWENDY	13513	2010.30	0.46	2010.0	2011.0
S11IWENDY	12488	2012.09	0.28	2012.0	2013.0
S12IWENDY	11012	2014.05	0.22	2014.0	2015.0
S13IWENDY	11779	2016.30	0.53	2016.0	2018.0
REIWBEG	14265	17034.40	2325.84	12571.0	21138.0
REIWEND	14265	17035.05	2326.51	12571.0	21138.0
REIWMID	14265	17034.73	2326.17	12571.0	21138.0
REIWMIDF	14265	0.02	0.19	0.0	2.0

Categorical Variable Codes

[illegible]

SwIWENDF: Interview End Date Flag

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657							
.V=Spouse NR	|	379	584	417							
0.M/D/Y ok	|	9883	8741								
1.Day miss	|	6		8308							
3.Day/mon miss	|	1									
7.Day/mon/yr miss	|	10	4349	3609							

Value		w11	w12	w13
.U=Unmarried	|			
.V=Spouse NR	|			
0.M/D/Y ok	|			
1.Day miss	|			
3.Day/mon miss	|			
7.Day/mon/yr miss	|			

RwIWMIDF: Interview Midpt Date Flag

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.IVW beg dt=end dt	|	12033	18880	17613	20606	18954	17838	20129	18099	16850	21263
1.IVW beg day NE end day	|	452	477								
2.IVW beg dt NE end dt	|	167	285	378	778	624	327		370	367	771

Value		w11	w12	w13
0.IVW beg dt=end dt	|	19592	18180	19751
1.IVW beg day NE end day	|			
2.IVW beg dt NE end dt	|	962	567	1161

SwIWMIDF: Interview Midpt Date Flag

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.IVW beg dt=end dt	|	9490	12605	11698	13534	12377	11478	12972	11558	10474	13117
1.IVW beg day NE end day	|	305	319								
2.IVW beg dt NE end dt	|	105	166	219	446	353	161		177	172	396

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.IVW beg dt=end dt	|	12020	10767	11270
1.IVW beg day NE end day	|			
2.IVW beg dt NE end dt	|	468	245	509

REIWMIDF: EXIT Interview Midpt Date Flag

Value	
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.IVW beg dt=end dt	14140
1.IVW beg day NE end day	2
2.IVW beg dt NE end dt	123

How Constructed

Core Interview Variables

These variables are derived from the beginning and ending interview dates. The RwiWBEG variables are the beginning interview dates and the RwiWEND variables are the ending interview dates. In some waves only one interview date is given, and it is used as both the beginning and ending date.

The RwiWMID variables are derived as the midpoint between the beginning and ending interview dates. From Wave 6 forward, and in Waves 2A and 3A of AHEAD, there is only one interview date given; this is used for the beginning, ending, and midpoint interview date.

Note that most beginning and ending interview dates are the same. In the cases where they differ, the interview is usually suspended near the beginning of the survey questions and picked up days, weeks, or months later. According to ISR, the ending interview date is usually applicable to most of the interview, particularly in the later sections.

RwiWBEG, RwiWMID, and RwiWEND are in SAS date format, which is the number of days relative to January 1, 1960. RwiWENDM and RwiWENDY provide the end interview month and year, respectively, not in SAS date format.

The interview day is available only for Waves 1 and 2H, and for Wave 2A of AHEAD. RwiWBEGF, RwiWMIDF and RwiWENDF are flags that describe any anomalies found in the data. From Wave 3 forward, the 15th of the interview month was used. These variables are SAS dates (# days from 1/1/1960).

For 4 cases in HRS 1998, and for 1 case in HRS 1996, the interview year appears as 1980. For the 1998 cases, the median interview month and year for all other cases with the same version of the questionnaire is used. For the 1996 case, 6/1996 is used.

For Waves 1, 2, 3A, 4, and from Wave 6 the Tracker variables were used instead of the corresponding raw variables for the beginning interview month and year.

For Waves 3H and 5, the Tracker variables were used instead of the corresponding raw variables for the ending interview month and year.

The spouse's variables are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwiWBEG, RwiWBEGF, RwiWEND, RwiWENDF, RwiWMID, and RwiWMIDF.

Exit Interview Variables

Exit Interview dates are found in REIWBEG, REIWMID, and REIWEND for the beginning, midpoint, and ending dates, respectively. These variables are derived from the beginning, midpoint, and ending interview dates from the Exit Interview and Tracker files.

In Waves 2H, 3, and from Wave 6 forward, there is only one interview date given; this is used for the beginning, ending, and

midpoint interview date. REIWMIDF is a flag variable that signals when beginning and ending interview dates are not the same; when the months and years are different, and when the actual day is different.

REIWBEG, REIWMID, and REIWEND dates are stored as numbers given by the number of days since (or before) January 1, 1960.

Core and Exit Differences

The Core Interview measures include flags indicating anomalies in the interview dates for the beginning and ending interview for Waves 1 and 2.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Waves 1 and 2H, the month, day, and year that the interview began and ended are given. In Wave 2A of AHEAD, the month, day, and year that the interview began are given, but not the corresponding ending dates. This is also true for Wave 3A, the only difference being that the day the interview began is also not given. From Wave 3H forward, the day of interview is not available.

Also, in Waves 3H and 4, two interview months are given which are not labeled beginning or end. A comparison year of the two months determined which were the beginning and ending interview dates. For 4 cases in HRS 98, and for one case in HRS 96, the interview year appears as 1980. Also, in Waves 3H and 4, two interview months are given which are not labeled beginning or end. A comparison of the two months determined which were the beginning and ending interview dates. For 4 cases in HRS 98, and for one case in HRS 96, the interview year appears as 1980.

In Wave 5 two interview months are given, which are labeled beginning and current month.

For Waves 1, 2, 4, and from Wave 6, the Tracker variables that correspond to the beginning interview month and year are available.

For Waves 3H and 5, the Tracker variables that correspond to the ending interview month and year are available.

Exit Interview Variables

From Wave 3 forward, we use Tracker data for beginning interview months and years. We do not have an interview start date so we impute the 15th day of the month. For Wave 2H, we use the recorded day instead of imputing the 15th day of the month.

Waves 2H, 4, and from Wave 6 forward, we utilize the interview ending date for month and year. In Waves 3 and 5, we use the Tracker only interview month and year. For Respondents with interviews in these waves, their REIWBEG and REIWEND are equal. For Wave 3 forward, we do not have the interview end date, therefore we impute the 15th day of the month.

HRS Variables Used

Core Interview Variables

HRS 1992:

V24	FS6:DATE IW BEGAN-DAY
V26	FS7:DATE IW CMPLTD-MO
V27	FS7:DATE IW CMPLT-DAY
V28	FS7:DATE IW COMPLT-YR

AHEAD 1993:
 B360 INTERVIEW DAY

HRS 1994:
 W56 Begin of Interview - Month
 W57 Begin of Interview - Day
 W58 Begin of Interview - Year
 W59 End of Interview - Month
 W60 End of Interview - Day
 W61 End of Interview - Year

AHEAD 1995:
 D397 TIME YEAR
 D398 TIME MONTH

HRS 1996:
 E391 CUR MONTH 1-12
 E393 CUR YEAR YYYY
 E397 PERM TIME YEAR YYYY
 E398 PERM TIME MONTH 1-12

HRS 1998:
 F697 CUR MONTH TEXT
 F699 CUR YEAR YYYY

HRS 2000:
 G774 CS22Y49.TIME YEAR
 G775 CS22Y50.TIME MONTH

HRS 2002-2016:
 xA500 DATE OF INTERVIEW - MONTH
 xA501 DATE OF INTERVIEW - YEAR

Exit Interview Variables

HRS 1998:
 Q699 MONTH OF INTERVIEW
 Q701 YEAR OF INTERVIEW

HRS 2002-2016:
 xA500 DATE OF INTERVIEW - MONTH
 xA501 DATE OF INTERVIEW - YEAR

Tracker Variables

Tracker:
 xIWMONTH 1992-2016 INTERVIEW MONTH
 xIWYEAR 1992-2016 INTERVIEW YEAR

Birth date: Month, Year, and SAS date
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Wave	Variable Name	Variable Label	Type
1	RABYEAR	RABYEAR: R birth year	Cont
1	S1BYEAR	S1BYEAR: S birth year	Cont
2	S2BYEAR	S2BYEAR: S birth year	Cont
3	S3BYEAR	S3BYEAR: S birth year	Cont
4	S4BYEAR	S4BYEAR: S birth year	Cont
5	S5BYEAR	S5BYEAR: S birth year	Cont
6	S6BYEAR	S6BYEAR: S birth year	Cont
7	S7BYEAR	S7BYEAR: S birth year	Cont
8	S8BYEAR	S8BYEAR: S birth year	Cont
9	S9BYEAR	S9BYEAR: S birth year	Cont
10	S10BYEAR	S10BYEAR: S birth year	Cont
11	S11BYEAR	S11BYEAR: S birth year	Cont
12	S12BYEAR	S12BYEAR: S birth year	Cont
13	S13BYEAR	S13BYEAR: S birth year	Cont
1	RABMONTH	RABMONTH: R birth month	Cont
1	S1BMONTH	S1BMONTH: S birth month	Cont
2	S2BMONTH	S2BMONTH: S birth month	Cont
3	S3BMONTH	S3BMONTH: S birth month	Cont
4	S4BMONTH	S4BMONTH: S birth month	Cont
5	S5BMONTH	S5BMONTH: S birth month	Cont
6	S6BMONTH	S6BMONTH: S birth month	Cont
7	S7BMONTH	S7BMONTH: S birth month	Cont
8	S8BMONTH	S8BMONTH: S birth month	Cont
9	S9BMONTH	S9BMONTH: S birth month	Cont
10	S10BMONTH	S10BMONTH: S birth month	Cont
11	S11BMONTH	S11BMONTH: S birth month	Cont
12	S12BMONTH	S12BMONTH: S birth month	Cont
13	S13BMONTH	S13BMONTH: S birth month	Cont
1	RABFLAG	RABFLAG: R flag birthdate missings	Categ
1	S1BFLAG	S1BFLAG: S flag birthdate missings	Categ
2	S2BFLAG	S2BFLAG: S flag birthdate missings	Categ
3	S3BFLAG	S3BFLAG: S flag birthdate missings	Categ
4	S4BFLAG	S4BFLAG: S flag birthdate missings	Categ
5	S5BFLAG	S5BFLAG: S flag birthdate missings	Categ
6	S6BFLAG	S6BFLAG: S flag birthdate missings	Categ
7	S7BFLAG	S7BFLAG: S flag birthdate missings	Categ
8	S8BFLAG	S8BFLAG: S flag birthdate missings	Categ
9	S9BFLAG	S9BFLAG: S flag birthdate missings	Categ
10	S10BFLAG	S10BFLAG: S flag birthdate missings	Categ
11	S11BFLAG	S11BFLAG: S flag birthdate missings	Categ
12	S12BFLAG	S12BFLAG: S flag birthdate missings	Categ
13	S13BFLAG	S13BFLAG: S flag birthdate missings	Categ
1	RABDATE	RABDATE: R birth date	Cont
1	S1BDATE	S1BDATE: S birth date	Cont
2	S2BDATE	S2BDATE: S birth date	Cont
3	S3BDATE	S3BDATE: S birth date	Cont
4	S4BDATE	S4BDATE: S birth date	Cont
5	S5BDATE	S5BDATE: S birth date	Cont
6	S6BDATE	S6BDATE: S birth date	Cont
7	S7BDATE	S7BDATE: S birth date	Cont
8	S8BDATE	S8BDATE: S birth date	Cont
9	S9BDATE	S9BDATE: S birth date	Cont
10	S10BDATE	S10BDATE: S birth date	Cont
11	S11BDATE	S11BDATE: S birth date	Cont
12	S12BDATE	S12BDATE: S birth date	Cont
13	S13BDATE	S13BDATE: S birth date	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RABYEAR	42051	1940.21	16.44	1890.0	1995.0
S1BYEAR	10279	1936.57	6.13	1907.0	1969.0
S2BYEAR	13585	1930.77	10.51	1890.0	1971.0
S3BYEAR	12255	1931.56	10.13	1898.0	1974.0
S4BYEAR	14508	1933.94	10.17	1900.0	1973.0
S5BYEAR	13040	1934.72	9.79	1900.0	1976.0
S6BYEAR	11858	1935.58	9.41	1900.0	1980.0
S7BYEAR	13352	1939.25	10.51	1900.0	1976.0
S8BYEAR	12051	1939.82	10.18	1907.0	1983.0
S9BYEAR	11011	1940.53	9.95	1909.0	1986.0
S10BYEAR	14234	1946.18	11.18	1912.0	1992.0
S11BYEAR	13080	1946.77	10.82	1912.0	1992.0
S12BYEAR	11619	1947.69	10.48	1915.0	1995.0
S13BYEAR	12873	1952.13	11.22	1916.0	1999.0
RABMONTH	42051	6.54	3.43	1.0	12.0
S1BMONTH	10279	6.46	3.41	1.0	12.0
S2BMONTH	13585	6.46	3.41	1.0	12.0
S3BMONTH	12255	6.46	3.41	1.0	12.0
S4BMONTH	14508	6.52	3.42	1.0	12.0
S5BMONTH	13040	6.52	3.41	1.0	12.0
S6BMONTH	11858	6.52	3.40	1.0	12.0
S7BMONTH	13352	6.56	3.40	1.0	12.0
S8BMONTH	12051	6.56	3.40	1.0	12.0
S9BMONTH	11011	6.56	3.40	1.0	12.0
S10BMONTH	14234	6.60	3.41	1.0	12.0
S11BMONTH	13080	6.59	3.41	1.0	12.0
S12BMONTH	11619	6.58	3.41	1.0	12.0
S13BMONTH	12873	6.57	3.40	1.0	12.0
RABFLAG	42052	0.00	0.04	0.0	3.0
S1BFLAG	10279	0.00	0.03	0.0	1.0
S2BFLAG	13610	0.01	0.13	0.0	3.0
S3BFLAG	12276	0.01	0.13	0.0	3.0
S4BFLAG	14512	0.01	0.09	0.0	3.0
S5BFLAG	13041	0.00	0.04	0.0	3.0
S6BFLAG	11858	0.00	0.06	0.0	1.0
S7BFLAG	13352	0.00	0.07	0.0	1.0
S8BFLAG	12051	0.00	0.07	0.0	1.0
S9BFLAG	11011	0.01	0.08	0.0	1.0
S10BFLAG	14234	0.01	0.09	0.0	1.0
S11BFLAG	13080	0.01	0.10	0.0	1.0
S12BFLAG	11620	0.01	0.11	0.0	3.0
S13BFLAG	12875	0.02	0.14	0.0	3.0
RABDATE	42051	-7045.69	6004.10	-25371.0	13010.0
S1BDATE	10279	-8376.51	2240.18	-19313.0	3361.0
S2BDATE	13585	-10496.94	3837.95	-25371.0	4032.0
S3BDATE	12255	-10206.66	3700.26	-22599.0	5340.0
S4BDATE	14508	-9336.67	3715.64	-21900.0	4883.0
S5BDATE	13040	-9052.17	3575.97	-21900.0	6102.0
S6BDATE	11858	-8738.59	3435.62	-21900.0	7440.0

S7BDATE	13352	-7394.52	3841.75	-21900.0	6102.0
S8BDATE	12051	-7188.59	3718.23	-19313.0	8658.0
S9BDATE	11011	-6927.82	3634.96	-18309.0	9678.0
S10BDATE	14234	-4865.69	4085.29	-17213.0	11823.0
S11BDATE	13080	-4649.75	3954.01	-17213.0	11823.0
S12BDATE	11619	-4314.54	3831.08	-16363.0	12949.0
S13BDATE	12873	-2693.11	4098.30	-15875.0	14502.0

Categorical Variable Codes

RABFLAG: R flag birthdate missings

Value	
0.Mo/Yr OK	41987
1.Mo missing	64
3.Mo/Yr missing	1

SwBFLAG: flag birthdate missings

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			64	58	4		1		1		1
0.Mo/Yr OK		10268	13572	12241	14434	13024	11810	13292	11991	10941	14125
1.Mo missing		11	13	14	74	16	48	60	60	70	109
3.Mo/Yr missing			25	21	4	1					

Value		w11	w12	w13
.U=Unmarried		7474	7125	8024
.V=Spouse NR			2	13
0.Mo/Yr OK		12943	11489	12642
1.Mo missing		137	130	231
3.Mo/Yr missing			1	2

How Constructed

RABMONTH and RABYEAR are the Respondent's reported birth month and year, respectively. RABDATE is the SAS date format of the birth date. The SAS date format is the number of days since 1/1/1960. If a date is before 1960 the SAS date is a negative number; if after 1960 it is a positive number.

The Respondent birth date is derived by searching all waves of data and Tracker for a non-missing date. The first non-missing birth month is used beginning with the Tracker BIRTHMO and BIRTHYR, and then the core data from Wave 1 forward, consecutively.

To calculate RABDATE, a day must also be used. If the birth month is given, the 15th is used as the day. If the month is missing but year is given, the day is July 1st and RABMONTH is set to 7. If the year is missing, the birth date is missing. RABFLAG indicates if the birth month is missing.

Spouse birth date is taken from the Wave "w" spouse's self-reported birth date, i.e., from the spouse's RABMONTH, RABYEAR, and RABDATE. If the spouse never responded, then the birth month and year of spouse as reported by the Respondent in Wave "w" is used.

HRS Variables Used

HRS 1992:	
V42	R:BIRTHDATE:MONTH
V44	R:BIRTHDATE:YEAR
AHEAD 1993:	
B114	A1. BIRTH YEAR
HRS 1994:	
W212	A11. R:Birthdate:Month
W53	Year of Birth
AHEAD 1995:	
D636	A1. BIRTHDATE MONTH
D638	A1B. BIRTHDATE YEAR
HRS 1996:	
E636	A1.BIRTHDATE MONTH
E638	A1B.BIRTHDATE YEAR
HRS 1998:	
F488	CS2A.R BIRTHDATE
F685	R BIRTH YEAR
F968	A1.BIRTHDATE MONTH
F970	A1B.BIRTHDATE YEAR
HRS 2000:	
G1051	A1.BIRTHDATE MONTH
G1053	A1B.BIRTHDATE YEAR
G756	CS22Y33.R BIRTH YEAR TE
HRS 2002-2016:	
xX004_R	R MONTH BORN-UPDATED
xX067_R	YEAR BORN-UPDATED
Tracker:	
BIRTHMO	BIRTHDATE: MONTH
BIRTHYR	BIRTHDATE: YEAR

Death Date: Month, Year, and SAS date
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Wave	Variable Name	Variable Label	Type
1	RADYEAR	RADYEAR: R death year	Cont
1	S1DYEAR	S1DYEAR: S death year	Cont
2	S2DYEAR	S2DYEAR: S death year	Cont
3	S3DYEAR	S3DYEAR: S death year	Cont
4	S4DYEAR	S4DYEAR: S death year	Cont
5	S5DYEAR	S5DYEAR: S death year	Cont
6	S6DYEAR	S6DYEAR: S death year	Cont
7	S7DYEAR	S7DYEAR: S death year	Cont
8	S8DYEAR	S8DYEAR: S death year	Cont
9	S9DYEAR	S9DYEAR: S death year	Cont
10	S10DYEAR	S10DYEAR: S death year	Cont
11	S11DYEAR	S11DYEAR: S death year	Cont
12	S12DYEAR	S12DYEAR: S death year	Cont
13	S13DYEAR	S13DYEAR: S death year	Cont
1	RADMONTH	RADMONTH: R death month	Cont
1	S1DMONTH	S1DMONTH: S death month	Cont
2	S2DMONTH	S2DMONTH: S death month	Cont
3	S3DMONTH	S3DMONTH: S death month	Cont
4	S4DMONTH	S4DMONTH: S death month	Cont
5	S5DMONTH	S5DMONTH: S death month	Cont
6	S6DMONTH	S6DMONTH: S death month	Cont
7	S7DMONTH	S7DMONTH: S death month	Cont
8	S8DMONTH	S8DMONTH: S death month	Cont
9	S9DMONTH	S9DMONTH: S death month	Cont
10	S10DMONTH	S10DMONTH: S death month	Cont
11	S11DMONTH	S11DMONTH: S death month	Cont
12	S12DMONTH	S12DMONTH: S death month	Cont
13	S13DMONTH	S13DMONTH: S death month	Cont
1	RADDATE	RADDATE: R death date	Cont
1	S1DDATE	S1DDATE: S death date	Cont
2	S2DDATE	S2DDATE: S death date	Cont
3	S3DDATE	S3DDATE: S death date	Cont
4	S4DDATE	S4DDATE: S death date	Cont
5	S5DDATE	S5DDATE: S death date	Cont
6	S6DDATE	S6DDATE: S death date	Cont
7	S7DDATE	S7DDATE: S death date	Cont
8	S8DDATE	S8DDATE: S death date	Cont
9	S9DDATE	S9DDATE: S death date	Cont
10	S10DDATE	S10DDATE: S death date	Cont
11	S11DDATE	S11DDATE: S death date	Cont
12	S12DDATE	S12DDATE: S death date	Cont
13	S13DDATE	S13DDATE: S death date	Cont
1	RADSRC	RADSRC: R death date source	Categ
1	S1DSRC	S1DSRC: S death date source	Categ
2	S2DSRC	S2DSRC: S death date source	Categ
3	S3DSRC	S3DSRC: S death date source	Categ
4	S4DSRC	S4DSRC: S death date source	Categ
5	S5DSRC	S5DSRC: S death date source	Categ
6	S6DSRC	S6DSRC: S death date source	Categ
7	S7DSRC	S7DSRC: S death date source	Categ
8	S8DSRC	S8DSRC: S death date source	Categ
9	S9DSRC	S9DSRC: S death date source	Categ
10	S10DSRC	S10DSRC: S death date source	Categ
11	S11DSRC	S11DSRC: S death date source	Categ
12	S12DSRC	S12DSRC: S death date source	Categ
13	S13DSRC	S13DSRC: S death date source	Categ
1	RADTIMDTH	RADTIMDTH: Number of Months from last Core interview to Death Date	Cont

1	S1DTIMTDTH	S1DTIMTDTH: Number of Months from last Core interview to Death Date Cont	
2	S2DTIMTDTH	S2DTIMTDTH: Number of Months from last Core interview to Death Date Cont	
3	S3DTIMTDTH	S3DTIMTDTH: Number of Months from last Core interview to Death Date Cont	
4	S4DTIMTDTH	S4DTIMTDTH: Number of Months from last Core interview to Death Date Cont	
5	S5DTIMTDTH	S5DTIMTDTH: Number of Months from last Core interview to Death Date Cont	
6	S6DTIMTDTH	S6DTIMTDTH: Number of Months from last Core interview to Death Date Cont	
7	S7DTIMTDTH	S7DTIMTDTH: Number of Months from last Core interview to Death Date Cont	
8	S8DTIMTDTH	S8DTIMTDTH: Number of Months from last Core interview to Death Date Cont	
9	S9DTIMTDTH	S9DTIMTDTH: Number of Months from last Core interview to Death Date Cont	
10	S10DTIMTDTH	S10DTIMTDTH: Number of Months from last Core interview to Death Dat Cont	
11	S11DTIMTDTH	S11DTIMTDTH: Number of Months from last Core interview to Death Dat Cont	
12	S12DTIMTDTH	S12DTIMTDTH: Number of Months from last Core interview to Death Dat Cont	
13	S13DTIMTDTH	S13DTIMTDTH: Number of Months from last Core interview to Death Dat Cont	
E	REPLDEATH	REPLDEATH:EXIT Place of death	Categ
E	REXPDEATH	REXPDEATH:EXIT Death expected?	Categ
E	RET2DEATH	RET2DEATH:EXIT Time from start of final illness to death	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RADYEAR	15288	2005.08	6.56	1992.0	2018.0
S1DYEAR	3870	2006.22	6.80	1992.0	2017.0
S2DYEAR	7235	2005.06	6.43	1992.0	2017.0
S3DYEAR	6209	2006.10	5.92	1995.0	2017.0
S4DYEAR	6432	2007.51	5.32	1998.0	2017.0
S5DYEAR	5426	2008.55	4.75	2000.0	2017.0
S6DYEAR	4478	2009.67	4.08	2002.0	2017.0
S7DYEAR	3928	2010.54	3.58	2002.0	2017.0
S8DYEAR	3160	2011.51	2.96	2004.0	2017.0
S9DYEAR	2419	2012.39	2.41	2006.0	2017.0
S10DYEAR	1826	2013.40	1.80	2008.0	2017.0
S11DYEAR	1260	2014.23	1.35	2004.0	2017.0
S12DYEAR	586	2015.22	0.83	2012.0	2017.0
S13DYEAR	36	2015.81	0.58	2014.0	2017.0
RADMONTH	15182	6.54	3.54	1.0	12.0
S1DMONTH	3855	6.70	3.57	1.0	12.0
S2DMONTH	7200	6.51	3.55	1.0	12.0
S3DMONTH	6179	6.51	3.55	1.0	12.0
S4DMONTH	6399	6.57	3.57	1.0	12.0
S5DMONTH	5397	6.57	3.58	1.0	12.0
S6DMONTH	4453	6.55	3.59	1.0	12.0
S7DMONTH	3903	6.58	3.60	1.0	12.0
S8DMONTH	3140	6.54	3.59	1.0	12.0
S9DMONTH	2404	6.54	3.62	1.0	12.0
S10DMONTH	1816	6.46	3.63	1.0	12.0
S11DMONTH	1253	6.54	3.65	1.0	12.0
S12DMONTH	582	6.39	3.63	1.0	12.0
S13DMONTH	36	6.47	3.50	1.0	12.0
RADDATE	15288	16664.83	2391.01	11961.0	21274.0
S1DDATE	3870	17084.56	2470.79	11961.0	21000.0
S2DDATE	7235	16656.78	2346.54	11747.0	21000.0
S3DDATE	6209	17033.92	2159.15	13117.0	21000.0
S4DDATE	6432	17551.15	1939.18	13938.0	21000.0

S5DDATE	5426	17933.07	1728.90	14669.0	21000.0
S6DDATE	4478	18339.23	1485.43	15491.0	21062.0
S7DDATE	3928	18658.76	1300.65	15371.0	21000.0
S8DDATE	3160	19010.68	1075.27	16405.0	21000.0
S9DDATE	2419	19333.01	872.57	17044.0	21000.0
S10DDATE	1826	19699.83	647.17	17866.0	21000.0
S11DDATE	1260	20004.50	472.30	16252.0	21000.0
S12DDATE	586	20361.72	274.64	19236.0	21000.0
S13DDATE	36	20578.92	195.61	20088.0	20909.0
RADSRC	15288	1.26	0.83	1.0	4.0
S1DSRC	3870	1.39	1.00	1.0	4.0
S2DSRC	7235	1.20	0.74	1.0	4.0
S3DSRC	6209	1.19	0.72	1.0	4.0
S4DSRC	6432	1.19	0.72	1.0	4.0
S5DSRC	5426	1.20	0.74	1.0	4.0
S6DSRC	4478	1.18	0.71	1.0	4.0
S7DSRC	3928	1.19	0.72	1.0	4.0
S8DSRC	3160	1.20	0.73	1.0	4.0
S9DSRC	2419	1.22	0.76	1.0	4.0
S10DSRC	1826	1.25	0.81	1.0	4.0
S11DSRC	1260	1.28	0.83	1.0	4.0
S12DSRC	586	1.32	0.88	1.0	4.0
S13DSRC	36	1.56	1.16	1.0	4.0
RADTIMDTH	15286	17.54	17.41	0.0	227.0
S1DTIMDTH	3843	18.87	20.76	0.0	218.0
S2DTIMDTH	7167	17.52	17.80	0.0	218.0
S3DTIMDTH	6197	17.23	16.65	0.0	206.0
S4DTIMDTH	6417	16.93	15.48	0.0	195.0
S5DTIMDTH	5417	17.26	15.83	0.0	195.0
S6DTIMDTH	4476	16.77	14.31	0.0	195.0
S7DTIMDTH	3925	16.63	13.34	0.0	152.0
S8DTIMDTH	3155	16.40	12.90	0.0	172.0
S9DTIMDTH	2416	16.04	11.52	0.0	117.0
S10DTIMDTH	1817	15.08	10.49	0.0	97.0
S11DTIMDTH	1255	15.70	10.86	0.0	112.0
S12DTIMDTH	579	16.55	10.29	0.0	112.0
S13DTIMDTH	34	24.91	10.57	7.0	60.0
REPLDEATH	14065	2.26	1.32	1.0	7.0
REXPDEATH	14015	1.55	1.02	1.0	7.0
RET2DEATH	13611	4.11	1.55	1.0	6.0

Categorical Variable Codes

RADSRRC: R death date source

Value	
.X=No death date	26764
1.Respondent's exit intervi	13884
2.Core interview of respond	81
3.Date respondent was repor	64
4.Imputed date	1259

SwDSRC: death date source

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			64	65	62	34	37	45	51	58	88
.X=No death date		6409	6375	6060	8022	7581	7344	9379	8841	8534	12321
1.Respondent's exit intervi		3340	6714	5786	5998	5031	4182	3653	2928	2221	1643
2.Core interview of respond		35	56	41	44	41	30	29	29	31	40
3.Date respondent was repor		8	9	7	8	9	7	7	6	3	4
4.Imputed date		487	456	375	382	345	259	239	197	164	139

Value		w11	w12	w13
.U=Unmarried		7474	7125	8024
.V=Spouse NR		94	101	199
.X=No death date		11726	10935	12653
1.Respondent's exit intervi		1117	506	29
2.Core interview of respond		40	24	
3.Date respondent was repor		2	2	1
4.Imputed date		101	54	6

REPLDEATH: EXIT Place of death

Value	
.D=DK	12
.M=Oth missing	12
.Q=Not Asked This Wv	175
.R=RF	1
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1. In Hospital	5200
2. In Nursing Home	3037
3. At Home	4177
4. In Hospice	1069
5. Assisted Living Facility	165
7. Other (Specify); Includi	417

REXPDEATH: EXIT Death expected?

Value	
.D=DK	61
.M=Oth missing	12
.Q=Not Asked This Wv	175
.R=RF	2
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1. Expected	8136
2. Unexpected	5509
7. Other (Specify)	370

RET2DEATH: EXIT Time from start of final illness to death

Value	
.D=DK	287
.M=Oth missing	12
.Q Not Asked This Wv	175
.R=RF	10
.S=Skip	170
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1. One Or Two Hours (Or No	1283
2. Less Than A Day	930
3. Less Than A Week	2241
4. Less Than A Month	2661
5. Less Than A Year	3523
6. More Than A Year	2973

How Constructed

Core Interview Variables

RADYEAR and RADMONTH are the year and month of death ascertained by HRS and populated by either the Exit Interview or spouse reported year of death information. These death dates are taken directly from the Tracker file. RADDATE is the SAS date format of the Death date. RADSRC is the source of the death date variables. RADTIMTDTH is the number of months between the last core interview and death date.

To calculate RADDATE, a day must also be used. If the death month is given, the last day of the month is used as the day. If the month is missing but year is given, and the year is the same as the last live interview, the month and day are set using the mean date between the last interview date and the last day of the year. Otherwise if the month is missing, the death date is set to July 1st of the death year. If the year is missing, the death date is missing.

Spouse death information is taken from the Wave "w" spouse's death date, i.e., from the spouse's RADDATE, RADSRC or RADTIMTDH.

Exit Interview Variables

REPLDEATH indicates where the Respondent was at the time of death. It is constructed from an Exit Interview question and the response options are: a hospital, a nursing home, home, hospice, assisted living facility/rest home/retirement home/senior care home and other. In Wave 2H, place of death is not asked, therefore REPLDEATH is coded .Q for "not asked this wave."

REXPDEATH indicates if the Respondent's death was expected or unexpected. It is derived from the cover sheet question, "Was the death expected at about the time it occurred or was it unexpected...?" The response options are expected, unexpected, and other.

RET2DEATH is the length of time between start of final illness and death. All waves are coded as intervals of time from one or two hours to more than a year.

Cross Wave Differences in Original HRS Data

Exit Interview Variables

Place of Death was not asked in Wave 2H. In all other waves, the Exit Interview asks, "At the time of death, was [she/he] in a hospital, in a nursing home, at home, in a hospice, or what?" From Wave 6 forward, the category for assisted living facility/rest home/retirement home/senior care home was added as a response. For Wave 8, the code "Home" includes hospice care at home at the time of death.

In Wave 2H, the question to derive REXPDEATH was not asked. In Wave 3H, the skip pattern results in 75 percent of Respondents skipping this question. In all other waves this question was answered consistently.

HRS Variables Used

Exit Interview Variables

```
AHEAD 1995:
    N226          CS2cx.PLACE OF DEATH
    N233          CS2jx.EXPECTED DEATH?
    N235          CS2mx.TIME TO DEATH
HRS 1996:
    P226          CS2cx.PLACE OF DEATH
    P233          CS2jx.EXPECTED DEATH?
    P237          CS2mx.TIME TO DEATH
HRS 1998:
    Q491          CS2cx.PLACE OF DEATH
    Q496          CS2jx.EXPECTED DEATH?
    Q500          CS2mx.TIME TO DEATH
HRS 2000:
    R525          CS2cx.PLACE OF DEATH
    R530          CS2jx.EXPECTED DEATH?
    R532          CS2mx.TIME TO DEATH
HRS 2002-2016:
    xA124         LOCATION OF DEATH
    xA126M        R DIED- STATE - MASKED
    xA131         DEATH EXPECTED/UNEXPECTED
    xA134         DURATION FINAL ILLNESS/DEATH
```

Tracker Variables

```
Tracker:
    KNOWNDECEASEDMO    KNOWN DECEASED - MONTH
    KNOWNDECEASEDSOURCE KNOWN DECEASED - SOURCE
    KNOWNDECEASEDYR    KNOWN DECEASED - YEAR
```

Age at interview (in months and years)

Wave	Variable Name	Variable Label	Type
1	R1AGEM_B	R1AGEM_B:W1 R Age (months) at Ivw BegMon	Cont
2	R2AGEM_B	R2AGEM_B:W2 R Age (months) at Ivw BegMon	Cont
3	R3AGEM_B	R3AGEM_B:W3 R Age (months) at Ivw BegMon	Cont
4	R4AGEM_B	R4AGEM_B:W4 R Age (months) at Ivw BegMon	Cont
5	R5AGEM_B	R5AGEM_B:W5 R Age (months) at Ivw BegMon	Cont
6	R6AGEM_B	R6AGEM_B:W6 R Age (months) at Ivw BegMon	Cont
7	R7AGEM_B	R7AGEM_B:W7 R Age (months) at Ivw BegMon	Cont
8	R8AGEM_B	R8AGEM_B:W8 R Age (months) at Ivw BegMon	Cont
9	R9AGEM_B	R9AGEM_B:W9 R Age (months) at Ivw BegMon	Cont
10	R10AGEM_B	R10AGEM_B:W10 R Age (months) at Ivw BegMon	Cont
11	R11AGEM_B	R11AGEM_B:W11 R Age (months) at Ivw BegMon	Cont
12	R12AGEM_B	R12AGEM_B:W12 R Age (months) at Ivw BegMon	Cont
13	R13AGEM_B	R13AGEM_B:W13 R Age (months) at Ivw BegMon	Cont
1	S1AGEM_B	S1AGEM_B:W1 S Age (months) at Ivw BegMon	Cont
2	S2AGEM_B	S2AGEM_B:W2 S Age (months) at Ivw BegMon	Cont
3	S3AGEM_B	S3AGEM_B:W3 S Age (months) at Ivw BegMon	Cont
4	S4AGEM_B	S4AGEM_B:W4 S Age (months) at Ivw BegMon	Cont
5	S5AGEM_B	S5AGEM_B:W5 S Age (months) at Ivw BegMon	Cont
6	S6AGEM_B	S6AGEM_B:W6 S Age (months) at Ivw BegMon	Cont
7	S7AGEM_B	S7AGEM_B:W7 S Age (months) at Ivw BegMon	Cont
8	S8AGEM_B	S8AGEM_B:W8 S Age (months) at Ivw BegMon	Cont
9	S9AGEM_B	S9AGEM_B:W9 S Age (months) at Ivw BegMon	Cont
10	S10AGEM_B	S10AGEM_B:W10 S Age (months) at Ivw BegMon	Cont
11	S11AGEM_B	S11AGEM_B:W11 S Age (months) at Ivw BegMon	Cont
12	S12AGEM_B	S12AGEM_B:W12 S Age (months) at Ivw BegMon	Cont
13	S13AGEM_B	S13AGEM_B:W13 S Age (months) at Ivw BegMon	Cont
1	R1AGEY_B	R1AGEY_B:W1 R Age (years) at Ivw BegMon	Cont
2	R2AGEY_B	R2AGEY_B:W2 R Age (years) at Ivw BegMon	Cont
3	R3AGEY_B	R3AGEY_B:W3 R Age (years) at Ivw BegMon	Cont
4	R4AGEY_B	R4AGEY_B:W4 R Age (years) at Ivw BegMon	Cont
5	R5AGEY_B	R5AGEY_B:W5 R Age (years) at Ivw BegMon	Cont
6	R6AGEY_B	R6AGEY_B:W6 R Age (years) at Ivw BegMon	Cont
7	R7AGEY_B	R7AGEY_B:W7 R Age (years) at Ivw BegMon	Cont
8	R8AGEY_B	R8AGEY_B:W8 R Age (years) at Ivw BegMon	Cont
9	R9AGEY_B	R9AGEY_B:W9 R Age (years) at Ivw BegMon	Cont
10	R10AGEY_B	R10AGEY_B:W10 R Age (years) at Ivw BegMon	Cont
11	R11AGEY_B	R11AGEY_B:W11 R Age (years) at Ivw BegMon	Cont
12	R12AGEY_B	R12AGEY_B:W12 R Age (years) at Ivw BegMon	Cont
13	R13AGEY_B	R13AGEY_B:W13 R Age (years) at Ivw BegMon	Cont
1	S1AGEY_B	S1AGEY_B:W1 S Age (years) at Ivw BegMon	Cont
2	S2AGEY_B	S2AGEY_B:W2 S Age (years) at Ivw BegMon	Cont
3	S3AGEY_B	S3AGEY_B:W3 S Age (years) at Ivw BegMon	Cont
4	S4AGEY_B	S4AGEY_B:W4 S Age (years) at Ivw BegMon	Cont
5	S5AGEY_B	S5AGEY_B:W5 S Age (years) at Ivw BegMon	Cont
6	S6AGEY_B	S6AGEY_B:W6 S Age (years) at Ivw BegMon	Cont
7	S7AGEY_B	S7AGEY_B:W7 S Age (years) at Ivw BegMon	Cont
8	S8AGEY_B	S8AGEY_B:W8 S Age (years) at Ivw BegMon	Cont
9	S9AGEY_B	S9AGEY_B:W9 S Age (years) at Ivw BegMon	Cont
10	S10AGEY_B	S10AGEY_B:W10 S Age (years) at Ivw BegMon	Cont
11	S11AGEY_B	S11AGEY_B:W11 S Age (years) at Ivw BegMon	Cont
12	S12AGEY_B	S12AGEY_B:W12 S Age (years) at Ivw BegMon	Cont
13	S13AGEY_B	S13AGEY_B:W13 S Age (years) at Ivw BegMon	Cont
1	R1AGEM_E	R1AGEM_E:W1 R Age (months) at Ivw EndMon	Cont
2	R2AGEM_E	R2AGEM_E:W2 R Age (months) at Ivw EndMon	Cont
3	R3AGEM_E	R3AGEM_E:W3 R Age (months) at Ivw EndMon	Cont
4	R4AGEM_E	R4AGEM_E:W4 R Age (months) at Ivw EndMon	Cont
5	R5AGEM_E	R5AGEM_E:W5 R Age (months) at Ivw EndMon	Cont
6	R6AGEM_E	R6AGEM_E:W6 R Age (months) at Ivw EndMon	Cont
7	R7AGEM_E	R7AGEM_E:W7 R Age (months) at Ivw EndMon	Cont
8	R8AGEM_E	R8AGEM_E:W8 R Age (months) at Ivw EndMon	Cont
9	R9AGEM_E	R9AGEM_E:W9 R Age (months) at Ivw EndMon	Cont
10	R10AGEM_E	R10AGEM_E:W10 R Age (months) at Ivw EndMon	Cont

11	R11AGEM_E	R11AGEM_E:W11	R Age (months) at Ivw EndMon	Cont
12	R12AGEM_E	R12AGEM_E:W12	R Age (months) at Ivw EndMon	Cont
13	R13AGEM_E	R13AGEM_E:W13	R Age (months) at Ivw EndMon	Cont
1	S1AGEM_E	S1AGEM_E:W1	S Age (months) at Ivw EndMon	Cont
2	S2AGEM_E	S2AGEM_E:W2	S Age (months) at Ivw EndMon	Cont
3	S3AGEM_E	S3AGEM_E:W3	S Age (months) at Ivw EndMon	Cont
4	S4AGEM_E	S4AGEM_E:W4	S Age (months) at Ivw EndMon	Cont
5	S5AGEM_E	S5AGEM_E:W5	S Age (months) at Ivw EndMon	Cont
6	S6AGEM_E	S6AGEM_E:W6	S Age (months) at Ivw EndMon	Cont
7	S7AGEM_E	S7AGEM_E:W7	S Age (months) at Ivw EndMon	Cont
8	S8AGEM_E	S8AGEM_E:W8	S Age (months) at Ivw EndMon	Cont
9	S9AGEM_E	S9AGEM_E:W9	S Age (months) at Ivw EndMon	Cont
10	S10AGEM_E	S10AGEM_E:W10	S Age (months) at Ivw EndMon	Cont
11	S11AGEM_E	S11AGEM_E:W11	S Age (months) at Ivw EndMon	Cont
12	S12AGEM_E	S12AGEM_E:W12	S Age (months) at Ivw EndMon	Cont
13	S13AGEM_E	S13AGEM_E:W13	S Age (months) at Ivw EndMon	Cont
1	R1AGEY_E	R1AGEY_E:W1	R Age (years) at Ivw EndMon	Cont
2	R2AGEY_E	R2AGEY_E:W2	R Age (years) at Ivw EndMon	Cont
3	R3AGEY_E	R3AGEY_E:W3	R Age (years) at Ivw EndMon	Cont
4	R4AGEY_E	R4AGEY_E:W4	R Age (years) at Ivw EndMon	Cont
5	R5AGEY_E	R5AGEY_E:W5	R Age (years) at Ivw EndMon	Cont
6	R6AGEY_E	R6AGEY_E:W6	R Age (years) at Ivw EndMon	Cont
7	R7AGEY_E	R7AGEY_E:W7	R Age (years) at Ivw EndMon	Cont
8	R8AGEY_E	R8AGEY_E:W8	R Age (years) at Ivw EndMon	Cont
9	R9AGEY_E	R9AGEY_E:W9	R Age (years) at Ivw EndMon	Cont
10	R10AGEY_E	R10AGEY_E:W10	R Age (years) at Ivw EndMon	Cont
11	R11AGEY_E	R11AGEY_E:W11	R Age (years) at Ivw EndMon	Cont
12	R12AGEY_E	R12AGEY_E:W12	R Age (years) at Ivw EndMon	Cont
13	R13AGEY_E	R13AGEY_E:W13	R Age (years) at Ivw EndMon	Cont
1	S1AGEY_E	S1AGEY_E:W1	S Age (years) at Ivw EndMon	Cont
2	S2AGEY_E	S2AGEY_E:W2	S Age (years) at Ivw EndMon	Cont
3	S3AGEY_E	S3AGEY_E:W3	S Age (years) at Ivw EndMon	Cont
4	S4AGEY_E	S4AGEY_E:W4	S Age (years) at Ivw EndMon	Cont
5	S5AGEY_E	S5AGEY_E:W5	S Age (years) at Ivw EndMon	Cont
6	S6AGEY_E	S6AGEY_E:W6	S Age (years) at Ivw EndMon	Cont
7	S7AGEY_E	S7AGEY_E:W7	S Age (years) at Ivw EndMon	Cont
8	S8AGEY_E	S8AGEY_E:W8	S Age (years) at Ivw EndMon	Cont
9	S9AGEY_E	S9AGEY_E:W9	S Age (years) at Ivw EndMon	Cont
10	S10AGEY_E	S10AGEY_E:W10	S Age (years) at Ivw EndMon	Cont
11	S11AGEY_E	S11AGEY_E:W11	S Age (years) at Ivw EndMon	Cont
12	S12AGEY_E	S12AGEY_E:W12	S Age (years) at Ivw EndMon	Cont
13	S13AGEY_E	S13AGEY_E:W13	S Age (years) at Ivw EndMon	Cont
1	R1AGEM_M	R1AGEM_M:W1	R Age (months) at Ivw MidMon	Cont
2	R2AGEM_M	R2AGEM_M:W2	R Age (months) at Ivw MidMon	Cont
3	R3AGEM_M	R3AGEM_M:W3	R Age (months) at Ivw MidMon	Cont
4	R4AGEM_M	R4AGEM_M:W4	R Age (months) at Ivw MidMon	Cont
5	R5AGEM_M	R5AGEM_M:W5	R Age (months) at Ivw MidMon	Cont
6	R6AGEM_M	R6AGEM_M:W6	R Age (months) at Ivw MidMon	Cont
7	R7AGEM_M	R7AGEM_M:W7	R Age (months) at Ivw MidMon	Cont
8	R8AGEM_M	R8AGEM_M:W8	R Age (months) at Ivw MidMon	Cont
9	R9AGEM_M	R9AGEM_M:W9	R Age (months) at Ivw MidMon	Cont
10	R10AGEM_M	R10AGEM_M:W10	R Age (months) at Ivw MidMon	Cont
11	R11AGEM_M	R11AGEM_M:W11	R Age (months) at Ivw MidMon	Cont
12	R12AGEM_M	R12AGEM_M:W12	R Age (months) at Ivw MidMon	Cont
13	R13AGEM_M	R13AGEM_M:W13	R Age (months) at Ivw MidMon	Cont
1	S1AGEM_M	S1AGEM_M:W1	S Age (months) at Ivw MidMon	Cont
2	S2AGEM_M	S2AGEM_M:W2	S Age (months) at Ivw MidMon	Cont
3	S3AGEM_M	S3AGEM_M:W3	S Age (months) at Ivw MidMon	Cont
4	S4AGEM_M	S4AGEM_M:W4	S Age (months) at Ivw MidMon	Cont
5	S5AGEM_M	S5AGEM_M:W5	S Age (months) at Ivw MidMon	Cont
6	S6AGEM_M	S6AGEM_M:W6	S Age (months) at Ivw MidMon	Cont
7	S7AGEM_M	S7AGEM_M:W7	S Age (months) at Ivw MidMon	Cont
8	S8AGEM_M	S8AGEM_M:W8	S Age (months) at Ivw MidMon	Cont
9	S9AGEM_M	S9AGEM_M:W9	S Age (months) at Ivw MidMon	Cont
10	S10AGEM_M	S10AGEM_M:W10	S Age (months) at Ivw MidMon	Cont
11	S11AGEM_M	S11AGEM_M:W11	S Age (months) at Ivw MidMon	Cont
12	S12AGEM_M	S12AGEM_M:W12	S Age (months) at Ivw MidMon	Cont

13	S13AGEM_M	S13AGEM_M:W13 S Age (months) at Ivw MidMon	Cont
1	R1AGEY_M	R1AGEY_M:W1 R Age (years) at Ivw MidMon	Cont
2	R2AGEY_M	R2AGEY_M:W2 R Age (years) at Ivw MidMon	Cont
3	R3AGEY_M	R3AGEY_M:W3 R Age (years) at Ivw MidMon	Cont
4	R4AGEY_M	R4AGEY_M:W4 R Age (years) at Ivw MidMon	Cont
5	R5AGEY_M	R5AGEY_M:W5 R Age (years) at Ivw MidMon	Cont
6	R6AGEY_M	R6AGEY_M:W6 R Age (years) at Ivw MidMon	Cont
7	R7AGEY_M	R7AGEY_M:W7 R Age (years) at Ivw MidMon	Cont
8	R8AGEY_M	R8AGEY_M:W8 R Age (years) at Ivw MidMon	Cont
9	R9AGEY_M	R9AGEY_M:W9 R Age (years) at Ivw MidMon	Cont
10	R10AGEY_M	R10AGEY_M:W10 R Age (years) at Ivw MidMon	Cont
11	R11AGEY_M	R11AGEY_M:W11 R Age (years) at Ivw MidMon	Cont
12	R12AGEY_M	R12AGEY_M:W12 R Age (years) at Ivw MidMon	Cont
13	R13AGEY_M	R13AGEY_M:W13 R Age (years) at Ivw MidMon	Cont
1	S1AGEY_M	S1AGEY_M:W1 S Age (years) at Ivw MidMon	Cont
2	S2AGEY_M	S2AGEY_M:W2 S Age (years) at Ivw MidMon	Cont
3	S3AGEY_M	S3AGEY_M:W3 S Age (years) at Ivw MidMon	Cont
4	S4AGEY_M	S4AGEY_M:W4 S Age (years) at Ivw MidMon	Cont
5	S5AGEY_M	S5AGEY_M:W5 S Age (years) at Ivw MidMon	Cont
6	S6AGEY_M	S6AGEY_M:W6 S Age (years) at Ivw MidMon	Cont
7	S7AGEY_M	S7AGEY_M:W7 S Age (years) at Ivw MidMon	Cont
8	S8AGEY_M	S8AGEY_M:W8 S Age (years) at Ivw MidMon	Cont
9	S9AGEY_M	S9AGEY_M:W9 S Age (years) at Ivw MidMon	Cont
10	S10AGEY_M	S10AGEY_M:W10 S Age (years) at Ivw MidMon	Cont
11	S11AGEY_M	S11AGEY_M:W11 S Age (years) at Ivw MidMon	Cont
12	S12AGEY_M	S12AGEY_M:W12 S Age (years) at Ivw MidMon	Cont
13	S13AGEY_M	S13AGEY_M:W13 S Age (years) at Ivw MidMon	Cont
E	RESPAGEY_B	RESPAGEY_B:EXIT S Age (years) at Exit Ivw BegMon	Cont
E	RESPAGEY_M	RESPAGEY_M:EXIT S Age (years) at Exit Ivw MidMon	Cont
E	RESPAGEY_E	RESPAGEY_E:EXIT S Age (years) at Exit Ivw EndMon	Cont
E	RESPAGEM_B	RESPAGEM_B:EXIT S Age (months) at Exit Ivw BegMon	Cont
E	RESPAGEM_M	RESPAGEM_M:EXIT S Age (months) at Exit Ivw MidMon	Cont
E	RESPAGEM_E	RESPAGEM_E:EXIT S Age (months) at Exit Ivw EndMon	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1AGEM_B	12651	668.60	67.95	278.0	1025.0
R2AGEM_B	19641	787.13	137.17	285.0	1243.0
R3AGEM_B	17991	801.75	133.54	264.0	1265.0
R4AGEM_B	21384	796.79	133.24	305.0	1264.0
R5AGEM_B	19578	811.09	130.03	284.0	1292.0
R6AGEM_B	18165	825.93	125.89	308.0	1316.0
R7AGEM_B	20129	804.31	137.86	296.0	1289.0
R8AGEM_B	18469	821.41	133.15	305.0	1255.0
R9AGEM_B	17217	835.91	129.05	301.0	1280.0
R10AGEM_B	22034	793.35	143.56	227.0	1308.0
R11AGEM_B	20554	807.73	139.05	244.0	1244.0
R12AGEM_B	18747	820.39	135.11	226.0	1253.0
R13AGEM_B	20912	793.93	141.51	255.0	1285.0
S1AGEM_B	10279	667.44	73.58	278.0	1025.0
S2AGEM_B	13585	757.40	123.77	285.0	1243.0
S3AGEM_B	12255	772.08	119.18	263.0	1177.0
S4AGEM_B	14508	768.13	121.29	304.0	1185.0
S5AGEM_B	13040	781.89	117.35	282.0	1203.0
S6AGEM_B	11858	797.47	112.76	269.0	1227.0
S7AGEM_B	13352	776.87	125.66	331.0	1250.0
S8AGEM_B	12051	794.16	121.63	274.0	1191.0
S9AGEM_B	11011	809.10	119.21	270.0	1185.0

S10AGEM_B	14234	769.84	133.86	226.0	1178.0
S11AGEM_B	13080	784.24	129.33	244.0	1196.0
S12AGEM_B	11619	795.56	125.36	226.0	1196.0
S13AGEM_B	12873	770.45	132.64	216.0	1199.0
R1AGEY_B	12651	55.25	5.67	23.0	85.0
R2AGEY_B	19641	65.13	11.43	23.0	103.0
R3AGEY_B	17991	66.35	11.13	22.0	105.0
R4AGEY_B	21384	65.94	11.11	25.0	105.0
R5AGEY_B	19578	67.13	10.84	23.0	107.0
R6AGEY_B	18165	68.37	10.50	25.0	109.0
R7AGEY_B	20129	66.57	11.49	24.0	107.0
R8AGEY_B	18469	67.99	11.10	25.0	104.0
R9AGEY_B	17217	69.20	10.76	25.0	106.0
R10AGEY_B	22034	65.66	11.97	18.0	109.0
R11AGEY_B	20554	66.85	11.59	20.0	103.0
R12AGEY_B	18747	67.90	11.26	18.0	104.0
R13AGEY_B	20912	65.70	11.79	21.0	107.0
S1AGEY_B	10279	55.16	6.14	23.0	85.0
S2AGEY_B	13585	62.66	10.32	23.0	103.0
S3AGEY_B	12255	63.88	9.94	21.0	98.0
S4AGEY_B	14508	63.55	10.11	25.0	98.0
S5AGEY_B	13040	64.69	9.78	23.0	100.0
S6AGEY_B	11858	66.00	9.40	22.0	102.0
S7AGEY_B	13352	64.28	10.47	27.0	104.0
S8AGEY_B	12051	65.72	10.14	22.0	99.0
S9AGEY_B	11011	66.96	9.94	22.0	98.0
S10AGEY_B	14234	63.69	11.16	18.0	98.0
S11AGEY_B	13080	64.89	10.78	20.0	99.0
S12AGEY_B	11619	65.83	10.45	18.0	99.0
S13AGEY_B	12873	63.74	11.05	18.0	99.0
R1AGEM_E	12651	668.62	67.95	278.0	1025.0
R2AGEM_E	19641	787.16	137.15	285.0	1243.0
R3AGEM_E	17991	801.79	133.52	264.0	1265.0
R4AGEM_E	21384	796.85	133.25	305.0	1264.0
R5AGEM_E	19578	811.14	130.03	284.0	1292.0
R6AGEM_E	18165	825.97	125.88	308.0	1316.0
R7AGEM_E	20129	804.31	137.86	296.0	1289.0
R8AGEM_E	18469	821.44	133.14	305.0	1255.0
R9AGEM_E	17217	835.95	129.05	301.0	1280.0
R10AGEM_E	22034	793.42	143.55	227.0	1308.0
R11AGEM_E	20554	807.82	139.04	244.0	1244.0
R12AGEM_E	18747	820.46	135.11	226.0	1253.0
R13AGEM_E	20912	794.06	141.50	255.0	1285.0
S1AGEM_E	10279	667.46	73.58	278.0	1025.0
S2AGEM_E	13585	757.43	123.76	285.0	1243.0
S3AGEM_E	12255	772.12	119.16	263.0	1177.0
S4AGEM_E	14508	768.19	121.30	304.0	1185.0
S5AGEM_E	13040	781.93	117.35	282.0	1203.0
S6AGEM_E	11858	797.50	112.76	269.0	1227.0
S7AGEM_E	13352	776.87	125.66	331.0	1250.0
S8AGEM_E	12051	794.19	121.62	274.0	1191.0
S9AGEM_E	11011	809.13	119.20	270.0	1185.0
S10AGEM_E	14234	769.90	133.85	226.0	1178.0
S11AGEM_E	13080	784.32	129.32	244.0	1196.0
S12AGEM_E	11619	795.61	125.35	226.0	1196.0

S13AGEY_E	12873	770.56	132.61	216.0	1199.0
R1AGEY_E	12651	55.26	5.67	23.0	85.0
R2AGEY_E	19641	65.14	11.43	23.0	103.0
R3AGEY_E	17991	66.36	11.13	22.0	105.0
R4AGEY_E	21384	65.94	11.11	25.0	105.0
R5AGEY_E	19578	67.13	10.84	23.0	107.0
R6AGEY_E	18165	68.37	10.50	25.0	109.0
R7AGEY_E	20129	66.57	11.49	24.0	107.0
R8AGEY_E	18469	67.99	11.10	25.0	104.0
R9AGEY_E	17217	69.21	10.76	25.0	106.0
R10AGEY_E	22034	65.66	11.97	18.0	109.0
R11AGEY_E	20554	66.85	11.59	20.0	103.0
R12AGEY_E	18747	67.91	11.26	18.0	104.0
R13AGEY_E	20912	65.71	11.79	21.0	107.0
S1AGEY_E	10279	55.16	6.14	23.0	85.0
S2AGEY_E	13585	62.66	10.32	23.0	103.0
S3AGEY_E	12255	63.89	9.93	21.0	98.0
S4AGEY_E	14508	63.55	10.11	25.0	98.0
S5AGEY_E	13040	64.70	9.78	23.0	100.0
S6AGEY_E	11858	66.00	9.40	22.0	102.0
S7AGEY_E	13352	64.28	10.47	27.0	104.0
S8AGEY_E	12051	65.72	10.14	22.0	99.0
S9AGEY_E	11011	66.97	9.94	22.0	98.0
S10AGEY_E	14234	63.70	11.16	18.0	98.0
S11AGEY_E	13080	64.90	10.78	20.0	99.0
S12AGEY_E	11619	65.84	10.45	18.0	99.0
S13AGEY_E	12873	63.75	11.05	18.0	99.0
R1AGEM_M	12651	668.61	67.95	278.0	1025.0
R2AGEM_M	19641	787.15	137.16	285.0	1243.0
R3AGEM_M	17991	801.76	133.54	264.0	1265.0
R4AGEM_M	21384	796.81	133.25	305.0	1264.0
R5AGEM_M	19578	811.10	130.03	284.0	1292.0
R6AGEM_M	18165	825.94	125.89	308.0	1316.0
R7AGEM_M	20129	804.31	137.86	296.0	1289.0
R8AGEM_M	18469	821.42	133.15	305.0	1255.0
R9AGEM_M	17217	835.92	129.06	301.0	1280.0
R10AGEM_M	22034	793.37	143.56	227.0	1308.0
R11AGEM_M	20554	807.75	139.05	244.0	1244.0
R12AGEM_M	18747	820.41	135.11	226.0	1253.0
R13AGEM_M	20912	793.97	141.51	255.0	1285.0
S1AGEM_M	10279	667.45	73.58	278.0	1025.0
S2AGEM_M	13585	757.42	123.77	285.0	1243.0
S3AGEM_M	12255	772.09	119.17	263.0	1177.0
S4AGEM_M	14508	768.15	121.30	304.0	1185.0
S5AGEM_M	13040	781.90	117.35	282.0	1203.0
S6AGEM_M	11858	797.48	112.76	269.0	1227.0
S7AGEM_M	13352	776.87	125.66	331.0	1250.0
S8AGEM_M	12051	794.17	121.62	274.0	1191.0
S9AGEM_M	11011	809.11	119.21	270.0	1185.0
S10AGEM_M	14234	769.86	133.85	226.0	1178.0
S11AGEM_M	13080	784.26	129.33	244.0	1196.0
S12AGEM_M	11619	795.57	125.36	226.0	1196.0
S13AGEM_M	12873	770.49	132.63	216.0	1199.0
R1AGEY_M	12651	55.26	5.67	23.0	85.0

R2AGEY_M	19641	65.13	11.43	23.0	103.0
R3AGEY_M	17991	66.36	11.13	22.0	105.0
R4AGEY_M	21384	65.94	11.11	25.0	105.0
R5AGEY_M	19578	67.13	10.84	23.0	107.0
R6AGEY_M	18165	68.37	10.50	25.0	109.0
R7AGEY_M	20129	66.57	11.49	24.0	107.0
R8AGEY_M	18469	67.99	11.10	25.0	104.0
R9AGEY_M	17217	69.20	10.76	25.0	106.0
R10AGEY_M	22034	65.66	11.97	18.0	109.0
R11AGEY_M	20554	66.85	11.59	20.0	103.0
R12AGEY_M	18747	67.90	11.26	18.0	104.0
R13AGEY_M	20912	65.70	11.79	21.0	107.0
S1AGEY_M	10279	55.16	6.14	23.0	85.0
S2AGEY_M	13585	62.66	10.32	23.0	103.0
S3AGEY_M	12255	63.88	9.94	21.0	98.0
S4AGEY_M	14508	63.55	10.11	25.0	98.0
S5AGEY_M	13040	64.69	9.78	23.0	100.0
S6AGEY_M	11858	66.00	9.40	22.0	102.0
S7AGEY_M	13352	64.28	10.47	27.0	104.0
S8AGEY_M	12051	65.72	10.14	22.0	99.0
S9AGEY_M	11011	66.96	9.94	22.0	98.0
S10AGEY_M	14234	63.69	11.16	18.0	98.0
S11AGEY_M	13080	64.90	10.78	20.0	99.0
S12AGEY_M	11619	65.83	10.45	18.0	99.0
S13AGEY_M	12873	63.74	11.05	18.0	99.0
RESPAGEY_B	6175	73.81	10.83	28.0	104.0
RESPAGEY_M	6175	73.81	10.83	28.0	104.0
RESPAGEY_E	6175	73.81	10.83	28.0	104.0
RESPAGEM_B	6175	891.22	129.98	342.0	1255.0
RESPAGEM_M	6175	891.22	129.98	342.0	1255.0
RESPAGEM_E	6175	891.23	129.98	342.0	1255.0

How Constructed

Core Interview Variables

Age at the beginning of the interview (RwAGEM_B) is calculated from the Respondent birthdate and beginning interview date (RwIWBE), in months and years. Age in years (RwAGEY_B) is the integer portion of the number of months old divided by 12.

Age in months and years at the end of the interview (RwAGEM_E and RwAGEY_E) is calculated in the same way, but uses the ending interview date (RwIWEND). Age in months and years at the midpoint between the beginning and ending interview dates (RwAGEM_M and RwAGEY_M) is calculated in the same way, but uses the midpoint between interview dates (RwIWMID).

According to HRS, when there are different beginning and ending interview dates, most of the interview is usually conducted on the ending date. Thus, it is probably best to use the RwAGEM_E and RwAGEY_E variables for Respondent age at each interview.

From Wave 6 forward, and in AHEAD Waves 2A and 3A, the beginning and ending interview dates are always the same. In those waves, RwAGEY_B, RwAGEY_M, and RwAGEY_E are all the same, as are RwAGEM_B, RwAGEM_M and RwAGEM_E.

See Birth Month (RABMONTH, RABYEAR, RABDATE) for a description of how the birth date is derived. See Interview Dates (RwIWBE, RwIWEND, RwIWMID) for a description of how the beginning, ending, and midpoint interview dates are derived.

Spouse age is calculated using the spouse birth month and the Respondent's interview month at each wave.

Spouse birth date is taken from the Wave "w" spouse's birth date, i.e., from SwBDATE.

Exit Interview Variables

RESPAGEM_B indicates spouse age at the beginning of the Exit Interview and is calculated from the spouse's birthdate and beginning Exit Interview date (REIWBEG), in months and years. RESPAGEY_B indicates age in years and is the integer portion of the number of months old divided by 12.

RESPAGEM_E and RESPAGEY_E indicates spouse age in months and years at the end of the Exit Interview, and is calculated in the same way, but uses the ending Exit Interview date (REIWEND). RESPAGEM_M and RESPAGEY_M indicates age in months and years at the midpoint between the beginning and ending interview dates, and is calculated in the same way, but uses the midpoint between the Exit Interview dates (REIWMID).

The spouse's birthdate is constructed from the date on the Respondent's previous interview in the Core Interview. From Wave 4, if there is no data available in the Core Interview or the spouse status has changed from the Respondent's previous interview, we calculate spouse birthdate from the Exit Interview. In Wave 5, only month and year are available, so we impute the day to be 15.

Core and Exit Differences

In constructing Exit Interview spouse age, we utilize the previous Core Interview spouse age. However, in most waves, there is Exit Interview data for spouse age we use when we do not have the age in a previous interview or when the cover sheet section indicates a new spouse.

Cross Wave Differences in Original HRS Data

Exit Interview Variables

In Waves 2H and 3, spouse age was not collected in the Exit Interviews.

In Wave 4 and from Wave 6 forward, if the data is not available in the Core Interview, we use the Exit data for spouse age.

In Wave 5, if spouse birth date is not available in the previous Core Interview, we fill in missing spouse age with Exit Interview data for spouse birth month and birth year. We impute birth day as the 15th of the month, and if month is missing we impute June.

HRS Variables Used

Exit Interview Variables

AHEAD 1995:

N218	CS1a.PROXY INTERVIEW
N240	CS4x.R SAME SP/P
N262	SP ALIVE
N263	NEW SP
N375	R MARITAL STAT

HRS 1996:

P218	CS1a.PROXY INTERVIEW
P240	CS4x.R SAME SP/P
P256	MARRIAGE STATUS
P262	SP ALIVE

P263	NEW SP
HRS 1998:	
Q483	CS1A.PROXY/SELF INTERVIEW
Q504	CS4x.1ST R SAME SPOUSE/P
Q555	SP ALIVE
Q556	NEW SP
Q715	SP`S CURRENT AGE
HRS 2000:	
R514	CS1A.PROXY/SELF INTERVIEW
R604	CS15Y18.SP ALIVE
R605	CS15Y19.NEW SP
R658	CS15Y63.SAME SPOUSE AS LAST WAVE
R952	CS49Y53.SP BIRTH YEAR
R953	CS49Y54.SP BIRTH MONTH
HRS 2002-2016:	
xA020	1ST R SAME SP/P
xA023	PREVIOUS WAVE SP/P ALIVE
xA044	SP/P CURRENT AGE CALCULATION
xA045	R HAS NEW SPOUSE OR PARTNER
xA103	PROXY RELATIONSHIP TO R
xA126M	R DIED- STATE - MASKED
xA500	DATE OF INTERVIEW - MONTH
xA501	DATE OF INTERVIEW - YEAR
xx060_R	SEX OF INDIVIDUAL - RESPONDENT-UPDATED

Gender			
Wave	Variable Name	Variable Label	Type
1	RAGENDER	RAGENDER: R Gender	Categ
1	S1GENDER	S1GENDER: S Gender	Categ
2	S2GENDER	S2GENDER: S Gender	Categ
3	S3GENDER	S3GENDER: S Gender	Categ
4	S4GENDER	S4GENDER: S Gender	Categ
5	S5GENDER	S5GENDER: S Gender	Categ
6	S6GENDER	S6GENDER: S Gender	Categ
7	S7GENDER	S7GENDER: S Gender	Categ
8	S8GENDER	S8GENDER: S Gender	Categ
9	S9GENDER	S9GENDER: S Gender	Categ
10	S10GENDER	S10GENDER: S Gender	Categ
11	S11GENDER	S11GENDER: S Gender	Categ
12	S12GENDER	S12GENDER: S Gender	Categ
13	S13GENDER	S13GENDER: S Gender	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAGENDER	42052	1.56	0.50	1.0	2.0
S1GENDER	10279	1.50	0.50	1.0	2.0
S2GENDER	13630	1.50	0.50	1.0	2.0
S3GENDER	12299	1.50	0.50	1.0	2.0
S4GENDER	14516	1.50	0.50	1.0	2.0
S5GENDER	13041	1.50	0.50	1.0	2.0
S6GENDER	11822	1.50	0.50	1.0	2.0
S7GENDER	13307	1.50	0.50	1.0	2.0
S8GENDER	12001	1.50	0.50	1.0	2.0
S9GENDER	10953	1.50	0.50	1.0	2.0
S10GENDER	14147	1.50	0.50	1.0	2.0
S11GENDER	12976	1.50	0.50	1.0	2.0
S12GENDER	11518	1.50	0.50	1.0	2.0
S13GENDER	12689	1.50	0.50	1.0	2.0

Categorical Variable Codes

RAGENDER: R Gender											
Value											
1.Male	|										18460
2.Female	|										23592

SwGENDER: Gender											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		44	35			37	45	51	58	88
1.Male	|	5165	6847	6170	7268	6519	5900	6665	5989	5476	7094
2.Female	|	5114	6783	6129	7248	6522	5922	6642	6012	5477	7053

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	104	104	199
1.Male	|	6504	5770	6384
2.Female	|	6472	5748	6305

How Constructed

Gender is taken from the Tracker file.

Spouse gender is taken from the Wave "w" spouse’s RAGENDER variable.

Cross Wave Differences in Original HRS Data

Gender is reported in the Tracker file and in all waves. We only use the Tracker file in our derivation as it has the most up-to-date information.

Spouse gender is available in all waves, if the Respondent is married or partnered.

HRS Variables Used

Tracker:
GENDER GENDER

Race, Ethnicity: Race

Wave	Variable Name	Variable Label	Type
1	RARACEM	RARACEM: R Race-masked	Categ
1	S1RACEM	S1RACEM: S Race-masked	Categ
2	S2RACEM	S2RACEM: S Race-masked	Categ
3	S3RACEM	S3RACEM: S Race-masked	Categ
4	S4RACEM	S4RACEM: S Race-masked	Categ
5	S5RACEM	S5RACEM: S Race-masked	Categ
6	S6RACEM	S6RACEM: S Race-masked	Categ
7	S7RACEM	S7RACEM: S Race-masked	Categ
8	S8RACEM	S8RACEM: S Race-masked	Categ
9	S9RACEM	S9RACEM: S Race-masked	Categ
10	S10RACEM	S10RACEM: S Race-masked	Categ
11	S11RACEM	S11RACEM: S Race-masked	Categ
12	S12RACEM	S12RACEM: S Race-masked	Categ
13	S13RACEM	S13RACEM: S Race-masked	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RARACEM	41941	1.36	0.63	1.0	3.0
S1RACEM	10148	1.21	0.49	1.0	3.0
S2RACEM	13505	1.18	0.46	1.0	3.0
S3RACEM	12198	1.17	0.45	1.0	3.0
S4RACEM	14357	1.18	0.46	1.0	3.0
S5RACEM	12953	1.18	0.47	1.0	3.0
S6RACEM	11782	1.18	0.47	1.0	3.0
S7RACEM	13218	1.21	0.52	1.0	3.0
S8RACEM	11943	1.21	0.52	1.0	3.0
S9RACEM	10894	1.21	0.52	1.0	3.0
S10RACEM	13884	1.33	0.64	1.0	3.0
S11RACEM	12804	1.34	0.64	1.0	3.0
S12RACEM	11337	1.35	0.65	1.0	3.0
S13RACEM	12064	1.43	0.71	1.0	3.0

Categorical Variable Codes

RARACEM: R Race-masked

Value	
.M=Oth missing	111
1.White/Caucasian	30486
2.Black/African American	7978
3.Other	3477

SwRACEM: Race-masked

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing			13	6	6	4	4	3	2	1	42
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		131	156	130	153	84	73	131	107	116	309
1.White/Caucasian		8439	11533	10487	12320	11139	10107	11105	10092	9189	10590
2.Black/African American		1313	1554	1332	1539	1340	1238	1409	1227	1114	2018
3.Other		396	418	379	498	474	437	704	624	591	1276

Value		w11	w12	w13
.M=Oth missing		45	44	56
.U=Unmarried		7474	7125	8024
.V=Spouse NR		231	241	768
1.White/Caucasian		9696	8525	8483
2.Black/African American		1879	1670	2002
3.Other		1229	1142	1579

How Constructed

Race is assigned by looking at reports from Tracker and all waves of data. The non-missing race variable from Tracker is used. If race is missing, then the first non-missing race from all waves is used.

SwRACEM provides the race of the Respondent's spouse or partner. It is taken from the Wave "w" spouse's RARACEM variables.

Cross Wave Differences in Original HRS Data

Before Wave 8 race is asked at the Respondent's first interview. In Wave 8, the question format was changed to meet OMB guidelines. In particular, Respondents were allowed to report multiple races, and some categories that had previously been combined were separated. Also, if more than one race was reported, Respondents were asked which one they consider to be their primary race. The new format is asked only once of all Respondents, either in Wave 8 or the first wave after that in which a Respondent completed an interview.

HRS Variables Used

HRS 1992:

V10221	A8:RACE/ETHNICITY	:IND
V216	A7:HISPANIC OR LATINO	
V221	A8:RACE/ETHNICITY	:IMP

AHEAD 1993:	
B140	A7. R HISPANIC/LATINO
B143	A8. R'S RACE
HRS 1994:	
W228	A15. Hispanic or Latino
W233	A16. Race/Ethnicity
AHEAD 1995:	
D664	A7. HISPANIC
D667M	A8. R RACE - MASKED
HRS 1996:	
E664	A7.HISPANIC
E667M	A8.R RACE - MASKED
HRS 1998:	
F1002	A7.HISPANIC
F1005M	A8.R RACE - MASKED
HRS 2000:	
G1089	A7.HISPANIC
G1092A	A8.R RACE - COMBINED MASKED
G1092M	A8.R RACE - MASKED
HRS 2002-2004:	
xB031M	R RACE - MASKED
HRS 2002-2016:	
xB028	R HISPANIC/LATINO
HRS 2006-2016:	
xB089M1M	R RACE - MULTIPLE RESPONSE -1 MASKED
xB091M	R RACE - PRIMARY - MASKED
Tracker:	
HISPANIC	HISPANICITY TYPE
RACE	RACE/ETHNICITY

Race, Ethnicity: Whether Hispanic
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Wave	Variable Name	Variable Label	Type
1	RAHISPAN	RAHISPAN: R Hispanic	Categ
1	S1HISPAN	S1HISPAN: S Hispanic	Categ
2	S2HISPAN	S2HISPAN: S Hispanic	Categ
3	S3HISPAN	S3HISPAN: S Hispanic	Categ
4	S4HISPAN	S4HISPAN: S Hispanic	Categ
5	S5HISPAN	S5HISPAN: S Hispanic	Categ
6	S6HISPAN	S6HISPAN: S Hispanic	Categ
7	S7HISPAN	S7HISPAN: S Hispanic	Categ
8	S8HISPAN	S8HISPAN: S Hispanic	Categ
9	S9HISPAN	S9HISPAN: S Hispanic	Categ
10	S10HISPAN	S10HISPAN: S Hispanic	Categ
11	S11HISPAN	S11HISPAN: S Hispanic	Categ
12	S12HISPAN	S12HISPAN: S Hispanic	Categ
13	S13HISPAN	S13HISPAN: S Hispanic	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAHISPAN	41976	0.12	0.33	0.0	1.0
S1HISPAN	10139	0.09	0.29	0.0	1.0
S2HISPAN	13499	0.08	0.26	0.0	1.0
S3HISPAN	12194	0.08	0.27	0.0	1.0
S4HISPAN	14359	0.08	0.27	0.0	1.0
S5HISPAN	12956	0.08	0.27	0.0	1.0
S6HISPAN	11784	0.08	0.27	0.0	1.0
S7HISPAN	13222	0.10	0.30	0.0	1.0
S8HISPAN	11945	0.09	0.29	0.0	1.0
S9HISPAN	10894	0.10	0.30	0.0	1.0
S10HISPAN	13910	0.14	0.35	0.0	1.0
S11HISPAN	12829	0.15	0.36	0.0	1.0
S12HISPAN	11363	0.16	0.36	0.0	1.0
S13HISPAN	12095	0.18	0.38	0.0	1.0

Categorical Variable Codes

RAHISPAN: R Hispanic											
Value											
.M=Oth missing	|										76
0.Not Hispanic	|										36798
1.Hispanic	|										5178

SwHISPAN: Hispanic											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	9	19	11	7	4	3			1	15
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	131	156	129	150	81	72	130	107	116	310
0.Not Hispanic	|	9223	12479	11234	13239	11919	10830	11919	10813	9818	11899
1.Hispanic	|	916	1020	960	1120	1037	954	1303	1132	1076	2011

Value		w11	w12	w13
.M=Oth missing	|	20	18	24
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	231	241	769
0.Not Hispanic	|	10905	9577	9917
1.Hispanic	|	1924	1786	2178

How Constructed

RAHISPAN indicates whether the Respondent is Hispanic. It is assigned by looking at reports from the Tracker file and all waves of data. The non-missing Hispanic variable from Tracker file is used. If RAHISPAN is missing, then the first non-missing Hispanic from all waves of data is used.

In the Tracker file variable, both Mexican-American and Other Hispanic are recoded to "1." The codes for the core data variables which indicate yes, for Hispanic, are recoded to "1," and no is recoded to "0."

SwHISPAN indicates whether the Respondent's spouse or partner is Hispanic. It is taken from the Wave "w" spouse's RAHISPAN variable.

Cross Wave Differences in Original HRS Data

Before Wave 8, individuals are asked whether they consider themselves Hispanic or Latino at their first interview. In Wave 8, everyone is asked this question. From Wave 9, the question is asked if it's the first interview.

HRS Variables Used

HRS 1992:
V216 A7:HISPANIC OR LATINO
AHEAD 1993:
B140 A7. R HISPANIC/LATINO

HRS 1994:	
W228	A15. Hispanic or Latino
AHEAD 1995:	
D664	A7. HISPANIC
HRS 1996:	
E664	A7.HISPANIC
HRS 1998:	
F1002	A7.HISPANIC
HRS 2000:	
G1089	A7.HISPANIC
HRS 2002–2016:	
xB028	R HISPANIC/LATINO
Tracker:	
HISPANIC	HISPANICITY TYPE

Census Region

Wave	Variable Name	Variable Label	Type
1	R1CENREG	R1CENREG:W1 Census Region	Categ
2	R2CENREG	R2CENREG:W2 Census Region	Categ
3	R3CENREG	R3CENREG:W3 Census Region	Categ
4	R4CENREG	R4CENREG:W4 Census Region	Categ
5	R5CENREG	R5CENREG:W5 Census Region	Categ
6	R6CENREG	R6CENREG:W6 Census Region	Categ
7	R7CENREG	R7CENREG:W7 Census Region	Categ
8	R8CENREG	R8CENREG:W8 Census Region	Categ
9	R9CENREG	R9CENREG:W9 Census Region	Categ
10	R10CENREG	R10CENREG:W10 Census Region	Categ
11	R11CENREG	R11CENREG:W11 Census Region	Categ
12	R12CENREG	R12CENREG:W12 Census Region	Categ
13	R13CENREG	R13CENREG:W13 Census Region	Categ
1	S1CENREG	S1CENREG:W1 Census Region	Categ
2	S2CENREG	S2CENREG:W2 Census Region	Categ
3	S3CENREG	S3CENREG:W3 Census Region	Categ
4	S4CENREG	S4CENREG:W4 Census Region	Categ
5	S5CENREG	S5CENREG:W5 Census Region	Categ
6	S6CENREG	S6CENREG:W6 Census Region	Categ
7	S7CENREG	S7CENREG:W7 Census Region	Categ
8	S8CENREG	S8CENREG:W8 Census Region	Categ
9	S9CENREG	S9CENREG:W9 Census Region	Categ
10	S10CENREG	S10CENREG:W10 Census Region	Categ
11	S11CENREG	S11CENREG:W11 Census Region	Categ
12	S12CENREG	S12CENREG:W12 Census Region	Categ
13	S13CENREG	S13CENREG:W13 Census Region	Categ
1	R1CENDIV	R1CENDIV:W1 Census Division	Categ
2	R2CENDIV	R2CENDIV:W2 Census Division	Categ
3	R3CENDIV	R3CENDIV:W3 Census Division	Categ
4	R4CENDIV	R4CENDIV:W4 Census Division	Categ
5	R5CENDIV	R5CENDIV:W5 Census Division	Categ
6	R6CENDIV	R6CENDIV:W6 Census Division	Categ
7	R7CENDIV	R7CENDIV:W7 Census Division	Categ
8	R8CENDIV	R8CENDIV:W8 Census Division	Categ
9	R9CENDIV	R9CENDIV:W9 Census Division	Categ
10	R10CENDIV	R10CENDIV:W10 Census Division	Categ
11	R11CENDIV	R11CENDIV:W11 Census Division	Categ
12	R12CENDIV	R12CENDIV:W12 Census Division	Categ
13	R13CENDIV	R13CENDIV:W13 Census Division	Categ
1	S1CENDIV	S1CENDIV:W1 Census Division	Categ
2	S2CENDIV	S2CENDIV:W2 Census Division	Categ
3	S3CENDIV	S3CENDIV:W3 Census Division	Categ
4	S4CENDIV	S4CENDIV:W4 Census Division	Categ
5	S5CENDIV	S5CENDIV:W5 Census Division	Categ
6	S6CENDIV	S6CENDIV:W6 Census Division	Categ
7	S7CENDIV	S7CENDIV:W7 Census Division	Categ
8	S8CENDIV	S8CENDIV:W8 Census Division	Categ
9	S9CENDIV	S9CENDIV:W9 Census Division	Categ
10	S10CENDIV	S10CENDIV:W10 Census Division	Categ
11	S11CENDIV	S11CENDIV:W11 Census Division	Categ
12	S12CENDIV	S12CENDIV:W12 Census Division	Categ
13	S13CENDIV	S13CENDIV:W13 Census Division	Categ
E	RECENREG	RECENREG:EXIT Census Region, place of death	Categ
E	RECENDIV	RECENDIV:EXIT Census Division, place of death	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1CENREG	12652	2.57	0.96	1.0	4.0
R2CENREG	19641	2.56	0.96	1.0	4.0
R3CENREG	17989	2.57	0.96	1.0	5.0
R4CENREG	21378	2.59	0.96	1.0	5.0
R5CENREG	19566	2.59	0.96	1.0	5.0
R6CENREG	18145	2.60	0.96	1.0	5.0
R7CENREG	20113	2.62	0.97	1.0	5.0
R8CENREG	18456	2.63	0.97	1.0	5.0
R9CENREG	17205	2.64	0.96	1.0	5.0
R10CENREG	22020	2.68	0.97	1.0	5.0
R11CENREG	20540	2.69	0.97	1.0	5.0
R12CENREG	18733	2.69	0.97	1.0	5.0
R13CENREG	20892	2.73	0.96	1.0	5.0
S1CENREG	9900	2.57	0.95	1.0	4.0
S2CENREG	13090	2.58	0.96	1.0	4.0
S3CENREG	11917	2.59	0.95	1.0	5.0
S4CENREG	13975	2.61	0.95	1.0	5.0
S5CENREG	12721	2.61	0.96	1.0	5.0
S6CENREG	11626	2.62	0.96	1.0	5.0
S7CENREG	12959	2.64	0.97	1.0	5.0
S8CENREG	11723	2.65	0.97	1.0	5.0
S9CENREG	10636	2.66	0.96	1.0	5.0
S10CENREG	13502	2.71	0.97	1.0	5.0
S11CENREG	12475	2.72	0.97	1.0	5.0
S12CENREG	10999	2.73	0.98	1.0	5.0
S13CENREG	11763	2.76	0.96	1.0	5.0
R1CENDIV	12652	4.90	2.30	1.0	9.0
R2CENDIV	19641	4.88	2.32	1.0	9.0
R3CENDIV	17989	4.90	2.31	1.0	11.0
R4CENDIV	21378	4.94	2.32	1.0	11.0
R5CENDIV	19566	4.96	2.34	1.0	11.0
R6CENDIV	18145	4.99	2.34	1.0	11.0
R7CENDIV	20113	5.04	2.38	1.0	11.0
R8CENDIV	18456	5.06	2.37	1.0	11.0
R9CENDIV	17205	5.07	2.36	1.0	11.0
R10CENDIV	22020	5.20	2.40	1.0	11.0
R11CENDIV	20540	5.21	2.39	1.0	11.0
R12CENDIV	18733	5.23	2.39	1.0	11.0
R13CENDIV	20892	5.29	2.37	1.0	11.0
S1CENDIV	9900	4.91	2.29	1.0	9.0
S2CENDIV	13090	4.93	2.32	1.0	9.0
S3CENDIV	11917	4.96	2.31	1.0	11.0
S4CENDIV	13975	4.99	2.33	1.0	11.0
S5CENDIV	12721	4.99	2.34	1.0	11.0
S6CENDIV	11626	5.02	2.34	1.0	11.0
S7CENDIV	12959	5.07	2.39	1.0	11.0
S8CENDIV	11723	5.10	2.38	1.0	11.0
S9CENDIV	10636	5.11	2.36	1.0	11.0
S10CENDIV	13502	5.27	2.41	1.0	11.0
S11CENDIV	12475	5.31	2.41	1.0	11.0
S12CENDIV	10999	5.32	2.42	1.0	11.0
S13CENDIV	11763	5.38	2.37	1.0	11.0

RECENREG	14063	2.48	0.98	1.0	5.0
RECENDIV	14063	4.69	2.38	1.0	11.0

Categorical Variable Codes

RwCENREG: Census Region										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		1	2	6	12	20	16	13	12	14
1.Northeast	2238	3526	3133	3582	3301	2970	3249	2873	2640	3382
2.Midwest	3044	4775	4438	5322	4822	4526	5000	4629	4274	4924
3.South	5343	8203	7489	8855	8055	7449	8008	7437	7011	9112
4.West	2027	3137	2920	3607	3369	3186	3823	3476	3237	4560
5.Other			9	12	19	14	33	41	43	42
Value	w11	w12	w13							
.M=Oth missing	14	14	20							
1.Northeast	3115	2832	2991							
2.Midwest	4567	4103	4275							
3.South	8534	7841	9111							
4.West	4283	3908	4473							
5.Other	41	49	42							
SwCENREG: Census Region										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing				5	9	13	13	12	10	11
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.Northeast	1682	2211	1940	2194	2051	1815	1994	1738	1520	1905
2.Midwest	2463	3261	3007	3548	3198	2968	3310	3007	2737	3122
3.South	4182	5437	4944	5746	5199	4723	5066	4650	4282	5481
4.West	1573	2181	2020	2478	2260	2110	2567	2298	2067	2964
5.Other			6	9	13	10	22	30	30	30
Value	w11	w12	w13							
.M=Oth missing	13	13	16							
.U=Unmarried	7474	7125	8024							
.V=Spouse NR	592	610	1109							
1.Northeast	1751	1556	1554							
2.Midwest	2821	2446	2429							
3.South	5079	4478	5078							
4.West	2794	2487	2676							
5.Other	30	32	26							

RwCENDIV: Census Division

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	1	2	6	12	20	16	13	12	14	
1.New England	469	780	700	864	800	714	835	739	665	789
2.Mid Atlantic	1769	2746	2433	2718	2501	2256	2414	2134	1975	2593
3.EN Central	1989	3235	2980	3562	3178	2980	3353	3066	2822	3362
4.WN Central	1055	1540	1458	1760	1644	1546	1647	1563	1452	1562
5.S Atlantic	3255	4982	4577	5434	4883	4445	4732	4321	4103	5171
6.ES Central	818	1119	1018	1195	1119	1056	1180	1136	1064	1373
7.WS Central	1270	2102	1894	2226	2053	1948	2096	1980	1844	2568
8.Mountain	512	797	809	1018	962	912	1156	1092	1055	1382
9.Pacific	1515	2340	2111	2589	2407	2274	2667	2384	2182	3178
11.Not US/inc US terr			9	12	19	14	33	41	43	42

Value	w11	w12	w13
.M=Oth missing	14	14	20
1.New England	712	626	699
2.Mid Atlantic	2403	2206	2292
3.EN Central	3133	2820	2901
4.WN Central	1434	1283	1374
5.S Atlantic	4825	4415	5252
6.ES Central	1320	1208	1421
7.WS Central	2389	2218	2438
8.Mountain	1310	1209	1430
9.Pacific	2973	2699	3043
11.Not US/inc US terr	41	49	42

SwCENDIV: Census Division

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing				5	9	13	13	12	10	11
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.New England	379	511	437	547	515	448	542	463	402	472
2.Mid Atlantic	1303	1700	1503	1647	1536	1367	1452	1275	1118	1433
3.EN Central	1586	2181	2011	2330	2074	1922	2196	1977	1794	2112
4.WN Central	877	1080	996	1218	1124	1046	1114	1030	943	1010
5.S Atlantic	2513	3262	2983	3519	3115	2792	2995	2669	2490	3070
6.ES Central	653	773	697	793	759	707	760	726	659	816
7.WS Central	1016	1402	1264	1434	1325	1224	1311	1255	1133	1595
8.Mountain	408	583	581	700	656	619	797	736	668	909
9.Pacific	1165	1598	1439	1778	1604	1491	1770	1562	1399	2055
11.Not US/inc US terr			6	9	13	10	22	30	30	30

Value	w11	w12	w13
.M=Oth missing	13	13	16
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.New England	422	360	364
2.Mid Atlantic	1329	1196	1190
3.EN Central	1912	1669	1609
4.WN Central	909	777	820
5.S Atlantic	2825	2473	2924
6.ES Central	786	692	763
7.WS Central	1468	1313	1391
8.Mountain	856	759	835
9.Pacific	1938	1728	1841
11.Not US/inc US terr	30	32	26

 RECENREG: EXIT Census Region, place of death

Value	
.D=DK/NA	11
.M=Oth missing	15
.Q=Not asked this wv	175
.R=RF	1
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1.Northeast	2841
2.Midwest	3815
3.South	5312
4.West	2030
5.Other	65

 RECENDIV: EXIT Census Division, place of death

Value	
.D=DK/NA	11
.M=Oth missing	15
.Q=Not asked this wv	175
.R=RF	1
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1.New England	967
2.Mid Atlantic	1874
3.EN Central	2464
4.WN Central	1351
5.S Atlantic	3300
6.ES Central	663
7.WS Central	1349
8.Mountain	519
9.Pacific	1511
11.Not US/inc US terr	65

How Constructed

Core Interview Variables

RwCENREG gives the Census Region and RwcENDIV the Census Division of Respondent residence at wave 'w.' The Census Division of residence is provided in the HRS 1992-2016 Cross-Wave Census Region/Division file, and in the core data for most waves. Census Division is recoded into the larger Census Regions.

If the residence location in the Geographic Region file variables is missing, we examine variables from the core data for location, if available. We then look at the spouse's residence from the Geographic Region file, and if the couple is living together, use it to fill missing variables as well. Finally, we examine variables indicating whether the household moved between waves, and if not, carry prior residence forward, or future residence back.

In the core data, location of residence is collected in the first interview for the entry cohort sub-sample, i.e., in Wave 1 for the HRS cohort, Wave 2A for the AHEAD cohort, Wave 4 for the CODA and War Babies cohorts, Wave 7 for the EBB cohort, Wave 10 for the MBB cohort, and Wave 13 for the LBB cohort. At subsequent interviews, questions ask whether the household moved, and if so, if the move was within the same area as the previous interview residence. If the household moved out of the area, the new location was collected. The new location is provided in the core data, except in Waves 2H and 3A.

Note that most of the time the Respondent and spouse live in the same Census Region, but occasionally the two regions differ.

The spouse's Census Region and Division are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RWCENREG and RWCENDIV.

Exit Interview Variables

RECENDIV indicates the Census Division where the Respondent's death occurred. RECENDIV is constructed consistently across all waves from the Exit Interview question, "In what state and county did [he/she] die?" The HRS Core data codebook explains, "Code categories have been collapsed to protect participant confidentiality." The variable is masked; that is, recoded to one variable indicating the Census Region of death, with a code for non-U.S. deaths—"Not US/inc US terr."

RECENREG represents the Census Region in a collapsed version of Census Division; as Northeast, Midwest, South, West, or Other.

Core and Exit Differences

The Core Interview questions are about the Census Division and Census Region of residence. The Exit Interview questions are about the Census Division and Census Region where death occurred.

Cross Wave Differences in Original HRS Data

Core Interview Variables

Region of residence is provided in the Cross-Wave Census Region/Division file. Information on household location is available in the core data.

Location of residence is available in Wave 1 data for the HRS entry cohort, and in Wave 2A for the AHEAD entry cohort. In Wave 4, the War Babies and Coda cohorts are asked for the location of current residence, as this is their first wave in the study. In Wave 7, the EBB cohorts are asked for location of current residence. The MBB cohort is asked in Wave 10, and the LBB cohort is asked in Wave 13.

In Wave 2H for HRS cohort there is no question about the current location of residence. The only question asked is whether the household moved to a different residence since the date of the Wave 1 interview.

In Wave 3H and from Wave 4 forward, questions ask if the household is still in the same location as in the previous wave interview, and if not, whether it moved to the same area of that old address. If the household did not stay within the same area, the new location is asked. Wave 3A follows a similar sequence of questions, except that the new location was not asked.

Exit Interview Variables

In the Exit Interview, Waves 3, 10, and 11 include response options of "97 Other Country" for RECENDIV. This category is combined with "11. Not US/inc US terr."

HRS Variables Used

Core Interview Variables

HRS 1992:	
V53	R:STATE HRS (RECODED)
AHEAD 1993:	
REGION	CENSUS REGION/DIVISION
HRS 1994:	
W100	HHCS5. Is Residence Different?
W200	A1. Marital Status
AHEAD 1995:	
D241	CS12.COUPLE LIVE TOGETHER
D422	CS27. SAME RESIDENCE #1
D423	CS28. SAME AREA - 1
HRS 1996:	
E241	CS12.COUPLE LIVE TOGETHER
E422	CS27. SAME RESIDENCE #1
E423	CS28. SAME AREA - 1
E430M	CS33. REGION CURRENT RESIDENCE
HRS 1998:	
F521	CS12.COUPLE LIVE TOGETHER
F723	CS27. SAME RESIDENCE #1
F724	CS28. SAME AREA - 1
F731M	CS33.CURRENT RESIDENCE - REGION
HRS 2000:	
G562	CS12.COUPLE LIVE TOGETHER
G796	CS27. SAME RESIDENCE #1
G797	CS28. SAME AREA - 1
G805M	CS33.CURRENT RESIDENCE - REGION
HRS 2002-2016:	
xA030	COUPLE LIVE TOGETHER
xA071	SAME RESID AS PREV WAVE #1
xA072	SAME CITY/ST RESID # 1
xA076M	CURRENT RESIDENCE STATE - MASKED
Region:	
REGION92	CENSUS REGION-DIVISION OF RESIDENCE 1992
REGION93	CENSUS REGION-DIVISION OF RESIDENCE 1993
REGION94	CENSUS REGION-DIVISION OF RESIDENCE 1994
REGION95	CENSUS REGION-DIVISION OF RESIDENCE 1995
REGION96	CENSUS REGION-DIVISION OF RESIDENCE 1996
REGION98	CENSUS REGION-DIVISION OF RESIDENCE 1998
REGION00	CENSUS REGION-DIVISION OF RESIDENCE 2000
REGION02	CENSUS REGION-DIVISION OF RESIDENCE 2002
REGION04	CENSUS REGION-DIVISION OF RESIDENCE 2004
REGION06	CENSUS REGION-DIVISION OF RESIDENCE 2006
REGION08	CENSUS REGION-DIVISION OF RESIDENCE 2008
REGION10	CENSUS REGION-DIVISION OF RESIDENCE 2010
REGION12	CENSUS REGION-DIVISION OF RESIDENCE 2012
REGION14	CENSUS REGION-DIVISION OF RESIDENCE 2014
REGION16	CENSUS REGION-DIVISION OF RESIDENCE 2016

Exit Interview Variables

HRS 1996:	
P227M	CS2dx.LOCATION - DIE - MASKED
HRS 1998:	
Q492M	CS2dx.LOCATION - REGION OF DEATH - MASKED

HRS 2000:
R526M CS2fx.LOCATION - DIE- MASKED
HRS 2002-2016:
xA126M R DIED- STATE - MASKED

Education: Years of Education

Wave	Variable Name	Variable Label	Type
1	RAEDYRS	RAEDYRS: R Years of Education	Categ
1	S1EDYRS	S1EDYRS: S Years of Education	Categ
2	S2EDYRS	S2EDYRS: S Years of Education	Categ
3	S3EDYRS	S3EDYRS: S Years of Education	Categ
4	S4EDYRS	S4EDYRS: S Years of Education	Categ
5	S5EDYRS	S5EDYRS: S Years of Education	Categ
6	S6EDYRS	S6EDYRS: S Years of Education	Categ
7	S7EDYRS	S7EDYRS: S Years of Education	Categ
8	S8EDYRS	S8EDYRS: S Years of Education	Categ
9	S9EDYRS	S9EDYRS: S Years of Education	Categ
10	S10EDYRS	S10EDYRS: S Years of Education	Categ
11	S11EDYRS	S11EDYRS: S Years of Education	Categ
12	S12EDYRS	S12EDYRS: S Years of Education	Categ
13	S13EDYRS	S13EDYRS: S Years of Education	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAEDYRS	41923	12.15	3.46	0.0	17.0
S1EDYRS	10135	12.07	3.26	0.0	17.0
S2EDYRS	13457	11.84	3.40	0.0	17.0
S3EDYRS	12191	11.95	3.34	0.0	17.0
S4EDYRS	14352	12.21	3.29	0.0	17.0
S5EDYRS	12953	12.29	3.30	0.0	17.0
S6EDYRS	11783	12.39	3.25	0.0	17.0
S7EDYRS	13201	12.60	3.23	0.0	17.0
S8EDYRS	11921	12.68	3.20	0.0	17.0
S9EDYRS	10870	12.76	3.17	0.0	17.0
S10EDYRS	13859	12.81	3.22	0.0	17.0
S11EDYRS	12784	12.84	3.24	0.0	17.0
S12EDYRS	11319	12.91	3.23	0.0	17.0
S13EDYRS	12128	12.86	3.45	0.0	17.0

Categorical Variable Codes

RAEDYRS: R Years of Education											
Value											
.M=Oth missing											129
0.None											460
1											136
2											209
3											457
4											386
5											428
6											1004
7											698
8											2063
9											1476
10											2106
11											2107
12											12982
13											3076
14											4328
15											1580
16											4493
17.17+ yrs											3934

SwEDYRS: Years of Education											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing			11	5	3		3	21	25	25	63
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		144	206	138	161	88	73	130	106	116	313
0.None		80	136	118	114	107	92	94	82	69	92
1		23	49	38	44	32	32	32	28	26	34
2		45	57	48	54	48	33	44	32	28	60
3		104	158	130	139	120	106	119	101	85	113
4		83	141	111	117	107	82	76	64	63	80
5		106	163	139	139	127	106	99	86	71	89
6		206	279	249	263	223	191	235	202	175	304
7		154	260	207	202	188	166	162	148	120	139
8		512	846	719	738	631	527	485	408	342	331
9		382	559	479	501	451	393	389	341	297	359
10		582	794	688	758	650	574	580	508	452	509
11		532	690	619	695	621	541	552	501	433	576
12		3643	4689	4299	4942	4403	4051	4353	3916	3588	4318
13		653	837	795	988	901	820	989	913	846	1088
14		903	1112	1052	1331	1190	1099	1345	1217	1110	1572
15		316	413	375	504	457	443	532	472	437	613
16		878	1114	1043	1408	1338	1246	1551	1430	1339	1862
17.17+ yrs		933	1160	1082	1415	1359	1281	1564	1472	1389	1720

Value		w11	w12	w13
.M=Oth missing		62	56	51
.U=Unmarried		7474	7125	8024
.V=Spouse NR		234	247	709
0.None		86	79	181
1		34	26	30
2		54	52	58
3		109	96	101
4		80	56	70
5		82	72	74
6		294	258	298
7		122	99	93
8		275	230	235

9	|	314	262	285
10	|	456	373	358
11	|	526	464	456
12	|	3930	3433	3512
13	|	1038	900	972
14	|	1454	1320	1458
15	|	567	520	540
16	|	1747	1613	1839
17.17+ yrs	|	1616	1466	1568

How Constructed

The years of education variable is assigned by looking at reports all waves of data and then from the Tracker. The first non-missing value from all waves of data is used. If RAEDYRS is missing, then the non-missing SCHLYRS variable from Tracker file is used.

The spouse variables SwEDYRS and SwEDYRF are taken from the Wave "w" spouse's RAEDYRS and RAEDYRF.

Cross Wave Differences in Original HRS Data

In Wave 1, years of education is imputed. It is not imputed in any other wave.

HRS Variables Used

HRS 1992:	
V10207	V207 EDUCATION IMP :IND
V207	A3:HIGHEST EDUCATION:IMP
AHEAD 1993:	
B125	A3. R'S EDUCATION
HRS 1994:	
W221	A13. Highest Education
AHEAD 1995:	
D649	A3. R EDUCATION
HRS 1996:	
E649	A3.R EDUCATION
HRS 1998:	
F987	A3.R EDUCATION
HRS 2000:	
G1074	A3.R EDUCATION
HRS 2002–2016:	
xB014	R HIGHEST LEVEL OF EDUCATION
Tracker:	
SCHLYRS	NUMBER OF YEARS IN SCHOOL

Education: Degrees, Diplomas

Wave	Variable Name	Variable Label	Type
1	RAEDEGRM	RAEDEGRM: R Highest Degree-masked	Categ
1	S1EDEGRM	S1EDEGRM: S Highest Degree-masked	Categ
2	S2EDEGRM	S2EDEGRM: S Highest Degree-masked	Categ
3	S3EDEGRM	S3EDEGRM: S Highest Degree-masked	Categ
4	S4EDEGRM	S4EDEGRM: S Highest Degree-masked	Categ
5	S5EDEGRM	S5EDEGRM: S Highest Degree-masked	Categ
6	S6EDEGRM	S6EDEGRM: S Highest Degree-masked	Categ
7	S7EDEGRM	S7EDEGRM: S Highest Degree-masked	Categ
8	S8EDEGRM	S8EDEGRM: S Highest Degree-masked	Categ
9	S9EDEGRM	S9EDEGRM: S Highest Degree-masked	Categ
10	S10EDEGRM	S10EDEGRM: S Highest Degree-masked	Categ
11	S11EDEGRM	S11EDEGRM: S Highest Degree-masked	Categ
12	S12EDEGRM	S12EDEGRM: S Highest Degree-masked	Categ
13	S13EDEGRM	S13EDEGRM: S Highest Degree-masked	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAEDEGRM	42052	2.38	1.91	0.0	8.0
S1EDEGRM	10143	2.28	1.88	0.0	8.0
S2EDEGRM	13467	2.17	1.88	0.0	8.0
S3EDEGRM	12197	2.22	1.88	0.0	8.0
S4EDEGRM	14359	2.39	1.91	0.0	8.0
S5EDEGRM	12955	2.44	1.93	0.0	8.0
S6EDEGRM	11787	2.50	1.93	0.0	8.0
S7EDEGRM	13222	2.64	1.93	0.0	8.0
S8EDEGRM	11946	2.68	1.94	0.0	8.0
S9EDEGRM	10896	2.73	1.94	0.0	8.0
S10EDEGRM	13928	2.77	1.91	0.0	8.0
S11EDEGRM	12850	2.80	1.91	0.0	8.0
S12EDEGRM	11382	2.85	1.91	0.0	8.0
S13EDEGRM	12121	2.89	1.90	0.0	8.0

Categorical Variable Codes

RAEDEGRM: R Highest Degree-masked

Value	
0.No degree	10697
1.GED	2054
2.HS	11794
3.HS/GED	7281
4.AA/ Lt BA	2163
5.BA	5059
6.MA/MBA	2407
7.Law/MD/PhD	575
8.Other	22

SwEDEGRM: Highest Degree-masked

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		136	207	137	157	86	72	130	106	115	307
0.No degree		2573	3884	3322	3482	3047	2596	2608	2277	1961	2393
1.GED		531	592	549	651	601	557	604	553	511	724
2.HS		3319	4321	3952	4552	4037	3722	4000	3585	3271	3913
3.HS/GED		1613	2097	1961	2398	2166	1993	2365	2139	1976	2593
4.AA/ Lt BA		363	404	376	535	483	452	611	559	514	837
5.BA		1025	1262	1193	1610	1536	1437	1792	1669	1564	2163
6.MA/MBA		507	648	599	809	783	735	908	858	813	1035
7.Law/MD/PhD		204	248	239	315	300	291	331	302	282	264
8.Other		8	11	6	7	2	4	3	4	4	6

Value		w11	w12	w13
.U=Unmarried		7474	7125	8024
.V=Spouse NR		230	240	767
0.No degree		2149	1834	1901
1.GED		668	572	614
2.HS		3575	3124	3193
3.HS/GED		2406	2161	2298
4.AA/ Lt BA		796	722	846
5.BA		2028	1847	2071
6.MA/MBA		979	899	1016
7.Law/MD/PhD		245	218	178
8.Other		4	5	4

How Constructed

The highest degree is assigned by looking at reports from Tracker and all waves of data. The first non-missing value is used. If the Respondent reports 12 or fewer years of school, s/he is asked about a HS degree only. If the Respondent reports 13 or more years of school, s/he is asked about college degrees only, and if s/he doesn't have any, the assumption is completion of HS, but the data do not distinguish a diploma from a GED.

The detail of the higher-level degrees varies across waves. RweDEGRM is recoded to categories that are consistently available across waves. For degrees higher than BA, there are 2 categories: MA/MBA and MD/Law/PhD through Wave 7. In Wave 8, MD/Law/PhD is included in the "other" category, so cannot be identified separately. If a Respondent first responds in Wave 8, then MD/Law/PhD degrees will be coded as "other."

Overlapping categories occur for high school degrees where the information is sometimes incomplete, i.e., 1=GED, 2=HS and 3=HS or GED.

This variable combines the HS degree, any college degree, and highest degree. If it is missing from all waves, RAEDYRS is used to assign degree: 0-11=no degree; 12, 13=HS/GED; 14, 15=AA; 16, 17=BA.

The spouse variables SwEDEGRM and SwEDEGRF are taken from the Wave "w" spouse's RADEGRM and RADEGRF variables.

Cross Wave Differences in Original HRS Data

The categories for higher level degrees (beyond BA) vary across waves. In Waves 1 and 2H, MA and MBA are coded separately. For Wave 2A, higher level degrees are indicated by two categories: "Advanced degree/non-professional" and "Advanced degree/professional." From Wave 3 forward, the MA and MBA categories were collapsed. In Waves 1, 2, 3H, 4 and 5 Law/MD and PhD are 2 separate categories. In Waves 3A, 6, and 7, these are collapsed into one category, Law/MD/PhD. From Wave 8 and forward, Law/MD and PhD are not identifiable; they are included in the "other" category.

The wording for degrees less than BA changes across waves. In Waves 1 and 2H it is "Associates." In Wave 2A, and from Wave 3 forward, it is "less than Bachelor's."

HRS Variables Used

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HRS 1992:
    V10207      V207 EDUCATION IMP  :IND
    V207        A3:HIGHEST EDUCATION:IMP
    V208        A3A:HI SCHL DIPLOMA/GED
    V210        A3C:COLLEGE DEGREE (Y/N)
    V211        A3D:HIGHEST DEGREE
AHEAD 1993:
    B125        A3. R'S EDUCATION
    B126        A3a. R FINISH HIGH SCHOOL
    B128        A3b. R FINISH COLLEGE
HRS 1994:
    W221        A13. Highest Education
    W222        A13a. HS Diploma/GED
    W224        A13c. College Degree
    W225        A13d. Highest Degree
AHEAD 1995:
    D649        A3. R EDUCATION
    D650        A3A.R HIGH SCHOOL
    D651        A3B.R COLLEGE
    D652M       A3C.R HIGH DEGREE - MASKED
    DEGREE      A3c. R'S HIGHEST DEGREE
HRS 1996:
    E649        A3.R EDUCATION
    E650        A3A.R HIGH SCHOOL
    E651        A3B.R COLLEGE
    E652M       A3C.R HIGH DEGREE - MASKED
HRS 1998:
    F987        A3.R EDUCATION
    F988        A3A.R HIGH SCHOOL
    F989        A3B.R COLLEGE
    F990M       A3C.R HIGH DEGREE - MASKED
HRS 2000:
    G1074       A3.R EDUCATION
    G1075       A3A.R HIGH SCHOOL

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G1076	A3B.R COLLEGE
G1077M	A3C.R HIGH DEGREE - MASKED
HRS 2002-2016:	
xB014	R HIGHEST LEVEL OF EDUCATION
xB015	R EARN HIGH SCHOOL DIPLOMA/GED
xB016	R COLLEGE DEGREE
xB017M	R HIGHEST DEGREE - MASKED
Tracker:	
DEGREE	HIGHEST DEGREE OF EDUCATION

Education: Categorical summary

Wave	Variable Name	Variable Label	Type
1	RAEDUC	RAEDUC: R education (categ)	Categ
1	S1EDUC	S1EDUC: S education (categ)	Categ
2	S2EDUC	S2EDUC: S education (categ)	Categ
3	S3EDUC	S3EDUC: S education (categ)	Categ
4	S4EDUC	S4EDUC: S education (categ)	Categ
5	S5EDUC	S5EDUC: S education (categ)	Categ
6	S6EDUC	S6EDUC: S education (categ)	Categ
7	S7EDUC	S7EDUC: S education (categ)	Categ
8	S8EDUC	S8EDUC: S education (categ)	Categ
9	S9EDUC	S9EDUC: S education (categ)	Categ
10	S10EDUC	S10EDUC: S education (categ)	Categ
11	S11EDUC	S11EDUC: S education (categ)	Categ
12	S12EDUC	S12EDUC: S education (categ)	Categ
13	S13EDUC	S13EDUC: S education (categ)	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAEDUC	42030	3.05	1.43	1.0	5.0
S1EDUC	10135	2.97	1.39	1.0	5.0
S2EDUC	13456	2.88	1.42	1.0	5.0
S3EDUC	12191	2.93	1.41	1.0	5.0
S4EDUC	14352	3.05	1.41	1.0	5.0
S5EDUC	12953	3.09	1.41	1.0	5.0
S6EDUC	11783	3.14	1.40	1.0	5.0
S7EDUC	13219	3.24	1.38	1.0	5.0
S8EDUC	11942	3.27	1.38	1.0	5.0
S9EDUC	10892	3.31	1.37	1.0	5.0
S10EDUC	13922	3.35	1.36	1.0	5.0
S11EDUC	12846	3.37	1.36	1.0	5.0
S12EDUC	11377	3.40	1.35	1.0	5.0
S13EDUC	12117	3.43	1.35	1.0	5.0

Categorical Variable Codes

RAEDUC: R education (categ)		
Value		
.M=Oth missing	|	22
1.Lt High-school	|	10697
2.GED	|	2054
3.High-school graduate	|	11837
4.Some college	|	9401
5.College and above	|	8041

SwEDUC: education (categ)											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|		11	5	3		3	3	3	3	3
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	144	207	138	161	88	73	130	107	116	310
1.Lt High-school	|	2573	3884	3322	3482	3047	2596	2608	2277	1961	2393
2.GED	|	531	592	549	651	601	557	604	553	511	724
3.High-school graduate	|	3346	4349	3976	4575	4058	3738	4016	3599	3287	3928
4.Some college	|	1949	2473	2313	2910	2628	2429	2960	2684	2474	3415
5.College and above	|	1736	2158	2031	2734	2619	2463	3031	2829	2659	3462

Value		w11	w12	w13
.M=Oth missing	|	2	3	3
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	232	242	768
1.Lt High-school	|	2149	1834	1901
2.GED	|	668	572	614
3.High-school graduate	|	3588	3136	3202
4.Some college	|	3189	2871	3135
5.College and above	|	3252	2964	3265

How Constructed

Categorical education recodes the years of education, whether high school degree, and college degrees in a more general way than RAEDEGR. RAEDUC recodes dropouts, HS diplomas, and GEDs directly from RAEDEGR. If the Respondent has a high school diploma or GED and years of education over 12, RAEDUC is set to "some college." RAEDUC is also set to "some college" if the degree is less than a BA, or "other." If the Respondent has exactly 12 years of education but no college degree, then a high school diploma is assumed. If the college degree is a BA or greater, RAEDUC is set to "college and above."

The spouse variable SwEDUC is taken from the Wave "w" spouse's RAEDUC variable.

Cross Wave Differences in Original HRS Data

The categories for higher level degrees (beyond BA) vary across waves. In Waves 1 and 2H, MA and MBA are coded separately. For Wave 2A, higher level degrees are indicated by two categories: "Advanced degree/non-professional" and "Advanced degree/professional." From Wave 3 forward, the MA and MBA categories were collapsed. In Waves 1, 2, 3H, 4 and 5, Law/MD and PhD are 2 separate categories. For Wave 3A, 6 and 7, these are collapsed into one category, Law/MD/PhD. From Wave 8 and forward, Law/MD and PhD are not identifiable; they are included in the "other" category.

The wording for degrees less than BA changes across waves. In Waves 1 and 2H it is "Associates." For Wave 2A, and from Wave 3 forward, it is "less than Bachelor's."

Parents' Education

Wave	Variable Name	Variable Label	Type
1	RAMEDUC	RAMEDUC: R Mother's Years Education	Categ
1	S1MEDUC	S1MEDUC: S Mother's Years Education	Categ
2	S2MEDUC	S2MEDUC: S Mother's Years Education	Categ
3	S3MEDUC	S3MEDUC: S Mother's Years Education	Categ
4	S4MEDUC	S4MEDUC: S Mother's Years Education	Categ
5	S5MEDUC	S5MEDUC: S Mother's Years Education	Categ
6	S6MEDUC	S6MEDUC: S Mother's Years Education	Categ
7	S7MEDUC	S7MEDUC: S Mother's Years Education	Categ
8	S8MEDUC	S8MEDUC: S Mother's Years Education	Categ
9	S9MEDUC	S9MEDUC: S Mother's Years Education	Categ
10	S10MEDUC	S10MEDUC: S Mother's Years Education	Categ
11	S11MEDUC	S11MEDUC: S Mother's Years Education	Categ
12	S12MEDUC	S12MEDUC: S Mother's Years Education	Categ
13	S13MEDUC	S13MEDUC: S Mother's Years Education	Categ
1	RAFEDUC	RAFEDUC: R Father's Years Education	Categ
1	S1FEDUC	S1FEDUC: S Father's Years Education	Categ
2	S2FEDUC	S2FEDUC: S Father's Years Education	Categ
3	S3FEDUC	S3FEDUC: S Father's Years Education	Categ
4	S4FEDUC	S4FEDUC: S Father's Years Education	Categ
5	S5FEDUC	S5FEDUC: S Father's Years Education	Categ
6	S6FEDUC	S6FEDUC: S Father's Years Education	Categ
7	S7FEDUC	S7FEDUC: S Father's Years Education	Categ
8	S8FEDUC	S8FEDUC: S Father's Years Education	Categ
9	S9FEDUC	S9FEDUC: S Father's Years Education	Categ
10	S10FEDUC	S10FEDUC: S Father's Years Education	Categ
11	S11FEDUC	S11FEDUC: S Father's Years Education	Categ
12	S12FEDUC	S12FEDUC: S Father's Years Education	Categ
13	S13FEDUC	S13FEDUC: S Father's Years Education	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAMEDUC	37320	9.50	3.63	0.0	17.0
S1MEDUC	9214	9.28	3.61	0.0	17.0
S2MEDUC	12150	8.91	3.06	0.0	17.0
S3MEDUC	11066	8.97	3.12	0.0	17.0
S4MEDUC	12893	9.26	3.33	0.0	17.0
S5MEDUC	11678	9.34	3.40	0.0	17.0
S6MEDUC	10630	9.43	3.44	0.0	17.0
S7MEDUC	11987	9.70	3.58	0.0	17.0
S8MEDUC	10844	9.78	3.59	0.0	17.0
S9MEDUC	9940	9.85	3.62	0.0	17.0
S10MEDUC	12741	9.97	3.91	0.0	17.0
S11MEDUC	11780	9.98	3.96	0.0	17.0
S12MEDUC	10467	10.02	3.99	0.0	17.0
S13MEDUC	11183	10.20	4.07	0.0	17.0
RAFEDUC	34776	9.27	3.89	0.0	17.0
S1FEDUC	8950	8.98	3.96	0.0	17.0
S2FEDUC	11897	8.69	3.31	0.0	17.0
S3FEDUC	10823	8.75	3.37	0.0	17.0

S4FEDUC	12369	8.96	3.63	0.0	17.0
S5FEDUC	11199	9.02	3.71	0.0	17.0
S6FEDUC	10170	9.13	3.75	0.0	17.0
S7FEDUC	11380	9.40	3.91	0.0	17.0
S8FEDUC	10301	9.50	3.91	0.0	17.0
S9FEDUC	9425	9.56	3.93	0.0	17.0
S10FEDUC	11870	9.76	4.18	0.0	17.0
S11FEDUC	10971	9.78	4.23	0.0	17.0
S12FEDUC	9730	9.91	4.24	0.0	17.0
S13FEDUC	10312	10.05	4.35	0.0	17.0

Categorical Variable Codes

RAMEDUC: R Mother's Years Education

Value	
.D=DK	4456
.M=Oth missing	264
.R=RF	12
0.None	1401
1	143
2	279
3	704
4	667
5	742
6	1944
7	861
7.5.Lt 8 yrs	3375
8	4151
8.5.8+ yrs	3848
9	1102
10	1787
11	1128
12	10579
13	689
14	1367
15	280
16	1669
17.17+ yrs	604

SwMEDUC: Mother's Years Education

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	878	1184	1015	1343	1172	1058	1135	1008	868	1096
.M=Oth missing	9	97	111	116	100	94	98	91	82	87
.R=RF		1	1	4	3	3	2	2	2	3
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	178	242	141	160	88	74	130	107	119	308
0.None	327	297	281	363	341	316	392	350	325	578
1	35	29	28	36	35	34	38	33	28	67
2	63	58	56	70	67	65	82	76	69	121
3	207	190	176	224	215	190	231	214	200	260
4	267	239	214	263	251	226	244	222	203	249
5	274	251	230	272	252	226	246	213	195	243
6	726	640	596	722	683	624	687	618	571	741
7	341	308	283	346	316	292	293	263	240	278
7.5.Lt 8 yrs	35	1700	1356	1018	743	543	388	272	196	112
8	1951	1774	1654	2104	1962	1833	1901	1725	1586	1667
8.5.8+ yrs	81	2201	1955	1580	1212	927	731	533	381	250
9	365	329	316	384	354	342	387	363	335	423
10	637	560	539	670	628	608	678	626	581	706
11	331	299	274	366	352	340	396	375	350	477
12	2602	2378	2232	3180	3019	2864	3753	3518	3302	4562
13	156	141	132	224	215	202	243	235	221	291
14	344	319	314	450	433	418	509	473	454	613
15	55	53	54	70	65	62	88	83	83	121
16	318	294	286	430	414	396	531	497	471	728
17.17+ yrs	99	90	90	121	121	122	169	155	149	254

Value	w11	w12	w13
.D=DK	989	841	856
.M=Oth missing	75	69	75
.R=RF	2	2	3
.U=Unmarried	7474	7125	8024
.V=Spouse NR	234	243	771
0.None	566	521	573
1	67	58	62
2	114	110	116
3	254	221	237
4	228	197	201
5	215	194	202
6	693	610	654
7	259	225	228
7.5.Lt 8 yrs	75	42	21
8	1497	1286	1143
8.5.8+ yrs	166	106	51
9	378	324	343
10	662	603	622
11	445	398	401
12	4269	3860	4281
13	272	230	287
14	570	510	584
15	110	105	119
16	708	656	786
17.17+ yrs	232	211	272

RAFEDUC: R Father's Years Education

Value	
.D=DK	5274
.M=Oth missing	1989
.R=RF	13
0.None	1353
1	150
2	342
3	964
4	797
5	913
6	2101
7	856
7.5.Lt 8 yrs	3638
8	4197
8.5.8+ yrs	3572
9	967
10	1484
11	760
12	7730
13	543
14	1025
15	272
16	1904
17.17+ yrs	1208

SwFEDUC: Father's Years Education

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1131	1426	1245	1567	1378	1251	1352	1197	1047	1372
.M=Oth missing	11	99	116	401	370	354	474	439	406	663
.R=RF				3	3	3	5	5	4	5
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	187	252	150	176	91	81	141	110	129	325
0.None	387	357	313	417	392	346	403	354	318	517
1	45	40	37	39	44	39	49	42	42	67
2	98	85	79	108	95	80	106	93	82	122
3	307	273	258	344	323	290	335	303	277	363
4	326	297	289	342	326	308	322	296	272	305
5	357	317	297	371	352	326	350	305	290	340
6	765	678	640	787	737	689	764	685	632	825
7	327	291	267	330	305	280	308	274	245	278
7.5.Lt 8 yrs	34	1866	1516	1155	833	626	458	335	245	140
8	1898	1735	1611	2046	1910	1795	1926	1794	1643	1813
8.5.8+ yrs	74	2016	1771	1410	1105	828	643	462	331	219
9	350	316	302	373	348	335	373	333	314	396
10	553	494	470	582	559	526	602	551	519	648
11	246	226	210	267	254	231	273	265	249	334
12	2117	1922	1809	2428	2308	2194	2779	2645	2499	3338
13	109	108	106	163	157	153	219	206	192	248
14	256	239	225	326	317	317	363	347	316	441
15	70	66	60	92	90	87	99	97	95	131
16	379	345	331	462	426	417	608	547	519	810
17.17+ yrs	252	226	232	327	318	303	400	367	345	535

Value	w11	w12	w13
.D=DK	1243	1070	1113
.M=Oth missing	612	566	675
.R=RF	3	3	4
.U=Unmarried	7474	7125	8024
.V=Spouse NR	251	253	784

0.None		|	504	436	493
	1	|	67	52	61
	2	|	119	109	116
	3	|	341	295	308
	4	|	269	227	229
	5	|	304	261	279
	6	|	773	677	749
	7	|	261	229	253
7.5.Lt 8 yrs		|	92	52	27
	8	|	1646	1413	1310
8.5.8+ yrs		|	146	94	44
	9	|	359	301	305
	10	|	605	545	547
	11	|	315	305	285
	12	|	3125	2831	3095
	13	|	240	209	238
	14	|	401	387	423
	15	|	121	114	110
	16	|	773	711	875
17.17+ yrs		|	510	482	565

How Constructed

These variables are assigned by looking at all waves of data for the first non-missing values. In Wave 1 and from Wave 4 forward, a question asks for the [father's/mother's] years of education. Wave 2H does not ask the question at all. In Wave 3H and in Waves 2A and 3A of the AHEAD sample, the question asks if [he/she] attended school for 8 or more years.

Wave 1 or Waves 4 and after, are used first, if not missing. If only Wave 3H data are available or for the AHEAD sample—Waves 2A and 3A, 7.5 years is assigned if less than 8 years, and 8.5 is assigned if 8 or more.

The spouse variables SwFEDUC and SwMEDUC are taken from the spouse's Wave "w" RAFEDUC and RAMEDUC variables, respectively.

Cross Wave Differences in Original HRS Data

In Wave 1 the question is: "What is the highest grade of school your father completed?" Answers are given in years of school, 0-17.

In Wave 2H, the question is not asked at all.

In Wave 3H, and for the AHEAD sample, Waves 2A and 3A, the question is: "Did your father/mother attend 8 years or more of school?" and the possible answers are "yes" and "no."

From Wave 4 forward, the question is similar to the Wave 1 wording: "And what is the highest grade of school your father/mother completed?" with possible answers ranging from 0-17.

HRS Variables Used

HRS 1992:

V212 A4:MOTHER-HIGHEST GRADE

V213 A5:FATHER-HIGHEST GRADE

AHEAD 1993:

B130 A4. MOTHER IN SCHOOL 8/+ YEARS

B131 A5. FATHER IN SCHOOL 8/+ YEARS

AHEAD 1995:

D654 A4.MA EDUC

D655	A5.PA EDUC
HRS 1996:	
E654	A4.MOTHER EDUC
E655	A5.FATHER EDUC
HRS 1998:	
F1000	A5.PA EDUC
F1001	A6.MA EDUC
HRS 2000:	
G1087	A5.PA EDUC
G1088	A6.MA EDUC
HRS 2002-2016:	
xB026	FATHER EDUCATION- HIGHEST GRADE
xB027	MOTHER EDUCATION- HIGHEST GRADE

Current Marital Status: With partnership

Wave	Variable Name	Variable Label	Type
1	R1MSTAT	R1MSTAT:W1 R Marital Status	Categ
2	R2MSTAT	R2MSTAT:W2 R Marital Status	Categ
3	R3MSTAT	R3MSTAT:W3 R Marital Status	Categ
4	R4MSTAT	R4MSTAT:W4 R Marital Status	Categ
5	R5MSTAT	R5MSTAT:W5 R Marital Status	Categ
6	R6MSTAT	R6MSTAT:W6 R Marital Status	Categ
7	R7MSTAT	R7MSTAT:W7 R Marital Status	Categ
8	R8MSTAT	R8MSTAT:W8 R Marital Status	Categ
9	R9MSTAT	R9MSTAT:W9 R Marital Status	Categ
10	R10MSTAT	R10MSTAT:W10 R Marital Status	Categ
11	R11MSTAT	R11MSTAT:W11 R Marital Status	Categ
12	R12MSTAT	R12MSTAT:W12 R Marital Status	Categ
13	R13MSTAT	R13MSTAT:W13 R Marital Status	Categ
1	S1MSTAT	S1MSTAT:W1 S Marital Status	Categ
2	S2MSTAT	S2MSTAT:W2 S Marital Status	Categ
3	S3MSTAT	S3MSTAT:W3 S Marital Status	Categ
4	S4MSTAT	S4MSTAT:W4 S Marital Status	Categ
5	S5MSTAT	S5MSTAT:W5 S Marital Status	Categ
6	S6MSTAT	S6MSTAT:W6 S Marital Status	Categ
7	S7MSTAT	S7MSTAT:W7 S Marital Status	Categ
8	S8MSTAT	S8MSTAT:W8 S Marital Status	Categ
9	S9MSTAT	S9MSTAT:W9 S Marital Status	Categ
10	S10MSTAT	S10MSTAT:W10 S Marital Status	Categ
11	S11MSTAT	S11MSTAT:W11 S Marital Status	Categ
12	S12MSTAT	S12MSTAT:W12 S Marital Status	Categ
13	S13MSTAT	S13MSTAT:W13 S Marital Status	Categ
E	REMSTAT	REMSTAT:EXIT R Marital Status	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MSTAT	12652	1.98	1.98	1.0	8.0
R2MSTAT	19642	2.74	2.61	1.0	8.0
R3MSTAT	17928	2.87	2.69	1.0	8.0
R4MSTAT	21360	2.80	2.60	1.0	8.0
R5MSTAT	19558	2.88	2.63	1.0	8.0
R6MSTAT	18150	2.95	2.65	1.0	8.0
R7MSTAT	20114	2.89	2.61	1.0	8.0
R8MSTAT	18467	2.96	2.63	1.0	8.0
R9MSTAT	17215	3.03	2.65	1.0	8.0
R10MSTAT	22028	3.00	2.60	1.0	8.0
R11MSTAT	20551	3.05	2.62	1.0	8.0
R12MSTAT	18728	3.14	2.64	1.0	8.0
R13MSTAT	20880	3.15	2.62	1.0	8.0
S1MSTAT	9900	1.08	0.38	1.0	3.0
S2MSTAT	13090	1.07	0.41	1.0	8.0
S3MSTAT	11917	1.06	0.35	1.0	6.0
S4MSTAT	13980	1.08	0.38	1.0	7.0
S5MSTAT	12730	1.08	0.39	1.0	3.0
S6MSTAT	11639	1.08	0.39	1.0	5.0
S7MSTAT	12972	1.10	0.43	1.0	5.0
S8MSTAT	11735	1.11	0.44	1.0	7.0
S9MSTAT	10646	1.11	0.46	1.0	8.0
S10MSTAT	13513	1.17	0.55	1.0	8.0

S11MSTAT	12488	1.18	0.56	1.0	7.0
S12MSTAT	11012	1.17	0.55	1.0	3.0
S13MSTAT	11779	1.20	0.59	1.0	4.0
REMSTAT	14224	4.28	2.80	1.0	8.0

Categorical Variable Codes

RwMSTAT: R Marital Status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing			63	24	20	15	15	2	2	6
1.Married	9837	13148	11792	13820	12368	11243	12515	11273	10273	12772
2.Married,spouse absent	57	117	155	144	153	166	187	161	140	296
3.Partnered	385	359	380	551	520	450	650	618	598	1167
4.Separated	310	278		331	281	259	323	277	277	464
5.Divorced	1080	1005		1711	1598	1523	1859	1741	1682	2501
6.Separated/divorced		402	1537		1	1		8	6	17
7.Widowed	621	3764	3590	4199	4094	4030	3949	3843	3726	3733
8.Never married	362	569	474	604	543	478	631	546	513	1078

Value	w11	w12	w13
.M=Oth missing	3	19	32
1.Married	11753	10457	11378
2.Married,spouse absent	212	165	193
3.Partnered	1115	1000	1317
4.Separated	444	434	565
5.Divorced	2364	2186	2719
6.Separated/divorced	13		
7.Widowed	3644	3573	3400
8.Never married	1006	913	1308

SwMSTAT: S Marital Status

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.Married	9492	12701	11484	13373	12124	11075	12219	11027	9993	12218
2.Married,spouse absent	42	22	125	125	141	152	168	152	123	256
3.Partnered	366	321	301	481	465	405	581	553	524	1034
4.Separated		20				6	3	2	2	2
5.Divorced		11				1	1			1
6.Separated/divorced			7							
7.Widowed		7		1				1	3	1
8.Never married		8							1	1

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.Married	11309	9991	10524
2.Married,spouse absent	180	136	157
3.Partnered	987	885	1097
4.Separated	7		1
5.Divorced	2		
6.Separated/divorced			

7.Widowed	|	3
8.Never married	|	

REMSTAT: EXIT R Marital Status

Value	|	
.D=DK	|	15
.M=Oth missing	|	24
.R=RF	|	2
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
1.Married	|	4983
2.Married, spouse absent	|	1037
3.Partnered	|	319
4.Separated	|	186
5.Divorced	|	1136
6.Separated/divorced	|	65
7.Widowed	|	5965
8.Never married	|	533

How Constructed

Core Interview Variables

This variable is created using current marital status reported for each wave. For Wave 3A of AHEAD, and from Wave 4 forward, a cleaned version of marital status is used, which fills missing marital status using cover sheet data and marital events reported between interviews.

The codes for separation and divorce are combined in Waves 2A, 3A, and 3H; a separate category is used for this ambiguous state. For all waves, RwmSTAT combines "Married, spouse absent" as one category, rather than separating spouse in institution vs. not. HRS Wave 1 imputations are not used at all.

From Wave 7 and forward, some cases report a marital status of annulled, which is treated the same as never married.

The RwmSTAT variables code partnerships, which override the actual marital status that is available for most cases from Wave 4 forward. Some cases report an unmarried status, but have a partner in the same household, particularly in Wave 2. RwmSTAT retains the reported unmarried status. RwmPART indicates the presence of a partner regardless of the RwmSTAT code. Please see RwmPART description for details.

The RwmSTATH variables do not code partnerships, and actual marital status replaces the partnership code if it can be determined. Please see the description of RwmSTATH variables for details.

The spouse variable SwMSTAT is taken from the spouse's data for Wave 'w.' It is set to .U if Respondent is unmarried or unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

There are four individuals where discrepancies in reported marital status and partnership were found. These are resolved, and RwmSTAT and RwmPART are set based on examination of all available data for the individuals and their spouse/partners from all waves.

Exit Interview Variables

REMSTAT indicates the Respondent's marital status at time of death. It is created using marital status reported in the Exit Interview.

The marital status codes follow the same categories as the Core Interview measure RwmSTAT: married, married (spouse absent), partnered, separated, divorced, widowed, and never married, and separated/divorced. Separated/divorced is a combined single code used only in Wave 3. However, separate categories for divorced and separated are used in all other waves. REMSTAT combines married and spouse absent as one category, rather than separating spouse in institution vs. not in institution.

From Wave 7 forward, some cases report a marital status of annulled which is treated as "never married,".

REMSTAT codes partnerships, which override all other marital status.

Core and Exit Differences

The Core Interview measure, marital status uses questions asked of the Respondent as well as questions asked of the spouse and/or partner. In the Exit Interview data, marital status uses only the proxy's responses for the Respondent.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home, and whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status, and a series of questions in the Cover Sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, both married and annulled may be coded, in addition to the unmarried statuses allowed in prior waves. Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from cover sheet section questions. There is no distinction made between spouse present and spouse absent in the raw marital status variable, but this information is available from other questions in the cover sheet section.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status used in deriving RwmSTAT.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears.

From Wave 4 forward, some partners appear to have married based on these reported marital transitions. These cases often

report "other" in response to the question about specific unmarried status; note that "married" is not allowed in response to this question in Waves 4 to 6. Cases with both a reported marital event and a report of "other" marital status are set to married in the cleaned versions of marital status used in deriving RwmSTAT.

Exit Interview Variables

In Wave 2H, the proxy is asked about Respondent's marital status as married, partnered, separated, divorced, widowed, or never married. The marital status includes a married (spouse absent) status that is split between those whose spouse is in a nursing home and those whose spouse is not institutionalized. These are combined into one category which is married, spouse absent.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. The separated and divorced statuses are coded in a single category. In Waves 2H and 3, partnership overrides any other marital status. Marital status in Wave 3A is derived by using questions from the cover sheet section, and there is a distinction for married spouse present and married spouse absent.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled are coded, in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents using the response status from the cover sheet section. There is no difference made between spouse present and spouse absent in the raw marital status variable, however this information is available from other questions in the cover sheet section.

From Wave 7 forward, some cases report a marital status as annulled, which is treated as never married.

HRS Variables Used

Core Interview Variables

HRS 1992:	
V10225	A10:CURRENT MAR STAT:IND
V225	A10:CURRENT MARR STA:IMP
AHEAD 1993:	
B150	A11. R'S MARITAL STATUS
HRS 1994:	
W112	HHCS11: New Spouse Check
W200	A1. Marital Status
AHEAD 1995:	
D226	CS4.R SAME SP/P
D227	CS5.SP/P ALIVE
D240	CS11.R-WHERE LIVE
D241	CS12.COUPLE LIVE TOGETHER
DMSTATR	HRS 95: Marital Status (w/ partnered)
HRS 1996:	
E256A	MARRIAGE STATUS - CORRECTED
HRS 1998:	
F1059	A40.POST W1 MARRIAGE START
F1066	A41.POST W1 DIV/WIDOWED
F1070	A43.MARITAL STATUS IF UNMARRIED
F1071	A43A.MARITAL STATUS, ASSIGNED
F461	PRELOAD COHORT
F462	PRELOAD MARITAL STATUS
F475	WHICH IW 1ST R/2ND R
F502	CS4.1ST R SAME SPOUSE/P
F504	CS5.PRELOAD SPOUSE/P ALIVE
F507	CS7.1ST R MARRIED

F508	CS8.COUPLE PARTNER
F517	CS11.R IN NURSING HOME
F521	CS12.COUPLE LIVE TOGETHER
F524	CS14.SP/P WHERE LIVE
F528	CS15A.MARRIED OR SEPARATED
F529	CS15B.SEPARATED:PARTNERED?
F546	CS15D.CURRENT COUPLENESS
FMARSTP	HRS 98: Marital Status (w/ partnered)
HRS 2000:	
G1146	A40.POST W1 MARRIAGE START
G1153	A41.POST W1 DIV/WIDOWED
G1158	A43A.MARITAL STATUS_ASSIGNED
G482	CS0Y9.PRELOAD ENTRY COHORT
G506	CS0Y21.WHICH IW 1ST R/2ND R
G543	CS4.1ST R SAME SPOUSE/P
G545	CS5.PRELOAD SPOUSE/P ALIVE
G548	CS7.1ST R MARRIED
G549	CS8.COUPLE PARTNER
G558	CS11.R IN NURSING HOME
G562	CS12.COUPLE LIVE TOGETHER
G569	CS15A.MARRIED OR SEPARATED
G570	CS15B.SEPARATED:PARTNERED?
G597	CS15D.CURRENT COUPLENESS
GMARSTP	HRS 00: Marital Status (w/ partnered)
HRS 2002:	
HMARITAL	MARITAL STATUS
HRS 2002-2016:	
xA020	1ST R SAME SP/P
xA023	PREVIOUS WAVE SP/P ALIVE
xA026	R MARRIED
xA027	LIVING W/P
xA028	R IN NURSING HOME
xA030	COUPLE LIVE TOGETHER
xA033	SP/P IN NURSHOME
xA034	MARRIED OR SEPARATED
xA035	SEPARATED/PARTNERED
xB055	NEW MARRIAGE SINCE PREVIOUS WAVE
xB058	DIVORCE/WIDOW SINCE PREVIOUS WAVE
xB061	MARITAL STATUS IF UNMARRIED
xx065_R	COUPLENESS STATUS - UPDATED
xZ023	WHICH COHORT
HRS 2004-2016:	
xB063	MARITAL STATUS ASSIGNED
xSUBHH	2004 SUB-HOUSEHOLD IDENTIFIER

Exit Interview Variables

AHEAD 1995:	
N204	PRELOAD MAR STAT
N245	CS8x.W1 COUPLE PARTNER
N248	CS10x.W1 ONLY NEW PARTNER
N250	CS12.COUPLE LIVE TOGETHER
N674	A21.R MARITAL STATUS
HRS 1996:	
P204	PRELOAD MAR STAT
P245	CS8x.W1 COUPLE PARTNER
P248	CS10x.W1 ONLY NEW PARTNER
P250	CS12.COUPLE LIVE TOGETHER

P692	A21.R MARITAL
HRS 1998:	
Q1071	A43a.MARITAL STATUS, ASSIGNED
Q506	CS5x.PRELOAD SPOUSE/P ALIVE
Q509	CS7x.1ST R MARRIED
Q510	CS8x.COUPLE PARTNER
Q523	CS12.COUPLE LIVE TOGETHER
Q530	CS15A.MARRIED OR SEPARATED
Q531	CS15B.SEPARATED:PARTNERED?
Q548	CS15D.CURRENT COUPLENESS
HRS 2000:	
R1134	A43a.MARITAL STATUS ASSIGNED
R483	CS0Y9a.PRELOAD MARITAL STATUS
R545	CS5x.PRELOAD SPOUSE/P ALIVE
R548	CS7x.1ST R MARRIED
R549	CS8x.COUPLE PARTNER
R562	CS12.COUPLE LIVE TOGETHER
R569	CS15A.MARRIED OR SEPARATED
R570	CS15B.SEPARATED:PARTNERED?
R597	CS15D.CURRENT COUPLENESS
HRS 2002:	
SA020	1ST R SAME SP/P
SA023	PREVIOUS WAVE SP/P ALIVE
SA026	R MARRIED
SA034	MARRIED OR SEPARATED
SA038	CURRENT COUPLENESS
HRS 2002-2016:	
xA030	COUPLE LIVE TOGETHER
xB061	MARITAL STATUS IF UNMARRIED
xx065_R	COUPLENESS STATUS R - UPDATED
HRS 2004-2016:	
xA027	LIVING W/P
xB063	MARITAL STATUS ASSIGNED

Tracker Variables

Tracker:	
HHID	HOUSEHOLD IDENTIFIER
xSUBHH	1992-2016 SUB-HOUSEHOLD IDENTIFIER

Current Marital Status: Current Partnership Status

Wave	Variable Name	Variable Label	Type
1	R1MPART	R1MPART:W1 R partnered	Categ
2	R2MPART	R2MPART:W2 R partnered	Categ
3	R3MPART	R3MPART:W3 R partnered	Categ
4	R4MPART	R4MPART:W4 R partnered	Categ
5	R5MPART	R5MPART:W5 R partnered	Categ
6	R6MPART	R6MPART:W6 R partnered	Categ
7	R7MPART	R7MPART:W7 R partnered	Categ
8	R8MPART	R8MPART:W8 R partnered	Categ
9	R9MPART	R9MPART:W9 R partnered	Categ
10	R10MPART	R10MPART:W10 R partnered	Categ
11	R11MPART	R11MPART:W11 R partnered	Categ
12	R12MPART	R12MPART:W12 R partnered	Categ
13	R13MPART	R13MPART:W13 R partnered	Categ
1	S1MPART	S1MPART:W1 S partnered	Categ
2	S2MPART	S2MPART:W2 S partnered	Categ
3	S3MPART	S3MPART:W3 S partnered	Categ
4	S4MPART	S4MPART:W4 S partnered	Categ
5	S5MPART	S5MPART:W5 S partnered	Categ
6	S6MPART	S6MPART:W6 S partnered	Categ
7	S7MPART	S7MPART:W7 S partnered	Categ
8	S8MPART	S8MPART:W8 S partnered	Categ
9	S9MPART	S9MPART:W9 S partnered	Categ
10	S10MPART	S10MPART:W10 S partnered	Categ
11	S11MPART	S11MPART:W11 S partnered	Categ
12	S12MPART	S12MPART:W12 S partnered	Categ
13	S13MPART	S13MPART:W13 S partnered	Categ
E	REMPART	REMPART:EXIT R Partnered	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MPART	12652	0.03	0.17	0.0	1.0
R2MPART	19642	0.02	0.14	0.0	1.0
R3MPART	17991	0.02	0.15	0.0	1.0
R4MPART	21384	0.03	0.16	0.0	1.0
R5MPART	19578	0.03	0.16	0.0	1.0
R6MPART	18165	0.02	0.16	0.0	1.0
R7MPART	20129	0.03	0.18	0.0	1.0
R8MPART	18469	0.03	0.18	0.0	1.0
R9MPART	17217	0.03	0.18	0.0	1.0
R10MPART	22034	0.05	0.22	0.0	1.0
R11MPART	20554	0.05	0.23	0.0	1.0
R12MPART	18747	0.05	0.22	0.0	1.0
R13MPART	20912	0.06	0.24	0.0	1.0
S1MPART	9900	0.04	0.19	0.0	1.0
S2MPART	13090	0.03	0.17	0.0	1.0
S3MPART	11917	0.03	0.16	0.0	1.0
S4MPART	13980	0.03	0.18	0.0	1.0
S5MPART	12730	0.04	0.19	0.0	1.0
S6MPART	11639	0.03	0.18	0.0	1.0
S7MPART	12972	0.04	0.21	0.0	1.0
S8MPART	11735	0.05	0.21	0.0	1.0
S9MPART	10646	0.05	0.22	0.0	1.0
S10MPART	13513	0.08	0.27	0.0	1.0

S11MPART	12488	0.08	0.27	0.0	1.0
S12MPART	11012	0.08	0.27	0.0	1.0
S13MPART	11779	0.09	0.29	0.0	1.0
REMPART	14265	0.02	0.15	0.0	1.0

Categorical Variable Codes

RwMPART: R partnered											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	|	12267	19232	17604	20832	19058	17715	19479	17851	16619	20867
1.Yes	|	385	410	387	552	520	450	650	618	598	1167
Value		w11	w12	w13							
0.No	|	19439	17747	19595							
1.Yes	|	1115	1000	1317							
SwMPART: S partnered											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	9534	12723	11609	13498	12265	11234	12391	11182	10122	12479
1.Yes	|	366	367	308	482	465	405	581	553	524	1034
Value		w11	w12	w13							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	11501	10127	10682							
1.Yes	|	987	885	1097							

REMPART: EXIT R Partnered

Value	
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0. No	13946
1. Yes	319

How Constructed

Core Interview Variables

Marital status RwmSTAT indicates partnership; that is, living with a partner who is not the Respondent's spouse. In addition, some cases report an unmarried status, but have a partner in the same household. Another living individual with the same HHID and sub-household ID on the Tracker file, or in the core data, indicates the presence of a partner when the Respondent gives an unmarried status. From Wave 4 forward, the "coupleness" code in the cover sheet section can also indicate a partnership. RwmPART indicates the presence of a partner regardless of the RwmSTAT code.

The spouse variable SwMPART is taken from the spouse's data for Wave 'w.' In some cases, the spouse and Respondent disagree as to whether they are married or partnered, so RwmPART and SwMPART are not always the same in a given wave. SwMPART is set to .U if the Respondent is unmarried and unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

Exit Interview Variables

REMPART is a yes/no marital status indicator of whether the Respondent was partnered at the time of death. We define partnered as living with a partner who is not the Respondent's spouse. From Wave 4 forward, a separate cover sheet code indicates partnership.

Core and Exit Differences

Partnership is indicated by a marital status code in Waves 2H and 3 of the Exit Interviews. From Exit Interview Wave 4 forward, REMPART utilizes separate cover sheet data to code partnership.

In the Core Interview measure, partnership can be indicated by another living individual with the same HHID and sub-household ID on the Tracker file or if the core data indicates the presence of a partner when Respondent gives an unmarried status.

Cross Wave Differences in Original HRS Data

Core Interview Variables

Partnership is indicated by a marital status code in Waves 1 to 3H. From Wave 4 forward, it is indicated by a separate cover sheet section variable.

Partnership can also be indicated by a non-married status when the household is a couple, rather than single in any wave.

Exit Interview Variables

In Waves 2H and 3, partnership is indicated by a marital status code in the Exit Interviews. From Wave 4 forward, REMPART utilizes separate cover sheet data.

HRS Variables Used

Core Interview Variables

HRS 1992:	
V10225	A10:CURRENT MAR STAT:IND
V225	A10:CURRENT MARR STA:IMP
AHEAD 1993:	
B150	A11. R'S MARITAL STATUS
HRS 1994:	
W200	A1. Marital Status
AHEAD 1995:	
DMSTATR	HRS 95: Marital Status (w/ partnered)
HRS 1996:	
E256A	MARRIAGE STATUS - CORRECTED
HRS 1998:	
F1071	A43A.MARITAL STATUS, ASSIGNED
F546	CS15D.CURRENT COUPLENESS
FMARSTP	HRS 98: Marital Status (w/ partnered)
HRS 2000:	
G1158	A43A.MARITAL STATUS_ASSIGNED
G597	CS15D.CURRENT COUPLENESS
GMARSTP	HRS 00: Marital Status (w/ partnered)
HRS 2002:	
HMARITAL	MARITAL STATUS
HRS 2002-2016:	
xPN_SP	2002 SPOUSE/PARTNER PERSON NUMBER
xSUBHH	2002 SUB-HOUSEHOLD IDENTIFIER
xx065_R	COUPLENESS STATUS - UPDATED

Exit Interview Variables

AHEAD 1995:	
N204	PRELOAD MAR STAT
N245	CS8x.W1 COUPLE PARTNER
N248	CS10x.W1 ONLY NEW PARTNER
N250	CS12.COUPLE LIVE TOGETHER
N674	A21.R MARITAL STATUS
HRS 1996:	
P204	PRELOAD MAR STAT
P245	CS8x.W1 COUPLE PARTNER
P248	CS10x.W1 ONLY NEW PARTNER
P250	CS12.COUPLE LIVE TOGETHER
P692	A21.R MARITAL
HRS 1998:	
Q1071	A43a.MARITAL STATUS, ASSIGNED
Q506	CS5x.PRELOAD SPOUSE/P ALIVE
Q509	CS7x.1ST R MARRIED
Q510	CS8x.COUPLE PARTNER
Q523	CS12.COUPLE LIVE TOGETHER
Q530	CS15A.MARRIED OR SEPARATED

Q531	CS15B.SEPARATED:PARTNERED?
Q548	CS15D.CURRENT COUPLENESS
HRS 2000:	
R1134	A43a.MARITAL STATUS ASSIGNED
R483	CS0Y9a.PRELOAD MARITAL STATUS
R545	CS5x.PRELOAD SPOUSE/P ALIVE
R548	CS7x.1ST R MARRIED
R549	CS8x.COUPLE PARTNER
R562	CS12.COUPLE LIVE TOGETHER
R569	CS15A.MARRIED OR SEPARATED
R570	CS15B.SEPARATED:PARTNERED?
R597	CS15D.CURRENT COUPLENESS
HRS 2002:	
SA020	1ST R SAME SP/P
SA023	PREVIOUS WAVE SP/P ALIVE
SA026	R MARRIED
SA034	MARRIED OR SEPARATED
SA038	CURRENT COUPLENESS
HRS 2002-2016:	
xA030	COUPLE LIVE TOGETHER
xB061	MARITAL STATUS IF UNMARRIED
xx065_R	COUPLENESS STATUS R - UPDATED
HRS 2004-2016:	
xA027	LIVING W/P
xB063	MARITAL STATUS ASSIGNED

Tracker Variables

Tracker:	
HHID	HOUSEHOLD IDENTIFIER
xALIVE	1994-2016 VITAL STATUS
xPPN	1992-2016 SPOUSE-PARTNER PERSON NUMBER
xSUBHH	1992-2016 SUB-HOUSEHOLD IDENTIFIER

Current Marital Status: Without partnership

Wave	Variable Name	Variable Label	Type
1	R1MSTATH	R1MSTATH:W1 R MarStat-w/o part, filled	Categ
2	R2MSTATH	R2MSTATH:W2 R MarStat-w/o part, filled	Categ
3	R3MSTATH	R3MSTATH:W3 R MarStat-w/o part, filled	Categ
4	R4MSTATH	R4MSTATH:W4 R MarStat-w/o part, filled	Categ
5	R5MSTATH	R5MSTATH:W5 R MarStat-w/o part, filled	Categ
6	R6MSTATH	R6MSTATH:W6 R MarStat-w/o part, filled	Categ
7	R7MSTATH	R7MSTATH:W7 R MarStat-w/o part, filled	Categ
8	R8MSTATH	R8MSTATH:W8 R MarStat-w/o part, filled	Categ
9	R9MSTATH	R9MSTATH:W9 R MarStat-w/o part, filled	Categ
10	R10MSTATH	R10MSTATH:W10 R MarStat-w/o part, filled	Categ
11	R11MSTATH	R11MSTATH:W11 R MarStat-w/o part, filled	Categ
12	R12MSTATH	R12MSTATH:W12 R MarStat-w/o part, filled	Categ
13	R13MSTATH	R13MSTATH:W13 R MarStat-w/o part, filled	Categ
1	S1MSTATH	S1MSTATH:W1 S MarStat-w/o part, filled	Categ
2	S2MSTATH	S2MSTATH:W2 S MarStat-w/o part, filled	Categ
3	S3MSTATH	S3MSTATH:W3 S MarStat-w/o part, filled	Categ
4	S4MSTATH	S4MSTATH:W4 S MarStat-w/o part, filled	Categ
5	S5MSTATH	S5MSTATH:W5 S MarStat-w/o part, filled	Categ
6	S6MSTATH	S6MSTATH:W6 S MarStat-w/o part, filled	Categ
7	S7MSTATH	S7MSTATH:W7 S MarStat-w/o part, filled	Categ
8	S8MSTATH	S8MSTATH:W8 S MarStat-w/o part, filled	Categ
9	S9MSTATH	S9MSTATH:W9 S MarStat-w/o part, filled	Categ
10	S10MSTATH	S10MSTATH:W10 S MarStat-w/o part, filled	Categ
11	S11MSTATH	S11MSTATH:W11 S MarStat-w/o part, filled	Categ
12	S12MSTATH	S12MSTATH:W12 S MarStat-w/o part, filled	Categ
13	S13MSTATH	S13MSTATH:W13 S MarStat-w/o part, filled	Categ
1	R1MSTATF	R1MSTATF:W1 R MStatH-Flag diff w/marhist	Categ
2	R2MSTATF	R2MSTATF:W2 R MStatH-Flag diff w/marhist	Categ
3	R3MSTATF	R3MSTATF:W3 R MStatH-Flag diff w/marhist	Categ
4	R4MSTATF	R4MSTATF:W4 R MStatH-Flag diff w/marhist	Categ
5	R5MSTATF	R5MSTATF:W5 R MStatH-Flag diff w/marhist	Categ
6	R6MSTATF	R6MSTATF:W6 R MStatH-Flag diff w/marhist	Categ
7	R7MSTATF	R7MSTATF:W7 R MStatH-Flag diff w/marhist	Categ
8	R8MSTATF	R8MSTATF:W8 R MStatH-Flag diff w/marhist	Categ
9	R9MSTATF	R9MSTATF:W9 R MStatH-Flag diff w/marhist	Categ
10	R10MSTATF	R10MSTATF:W10 R MStatH-Flag diff w/marhist	Categ
11	R11MSTATF	R11MSTATF:W11 R MStatH-Flag diff w/marhist	Categ
12	R12MSTATF	R12MSTATF:W12 R MStatH-Flag diff w/marhist	Categ
13	R13MSTATF	R13MSTATF:W13 R MStatH-Flag diff w/marhist	Categ
1	S1MSTATF	S1MSTATF:W1 S MStatH-Flag diff w/marhist	Categ
2	S2MSTATF	S2MSTATF:W2 S MStatH-Flag diff w/marhist	Categ
3	S3MSTATF	S3MSTATF:W3 S MStatH-Flag diff w/marhist	Categ
4	S4MSTATF	S4MSTATF:W4 S MStatH-Flag diff w/marhist	Categ
5	S5MSTATF	S5MSTATF:W5 S MStatH-Flag diff w/marhist	Categ
6	S6MSTATF	S6MSTATF:W6 S MStatH-Flag diff w/marhist	Categ
7	S7MSTATF	S7MSTATF:W7 S MStatH-Flag diff w/marhist	Categ
8	S8MSTATF	S8MSTATF:W8 S MStatH-Flag diff w/marhist	Categ
9	S9MSTATF	S9MSTATF:W9 S MStatH-Flag diff w/marhist	Categ
10	S10MSTATF	S10MSTATF:W10 S MStatH-Flag diff w/marhist	Categ
11	S11MSTATF	S11MSTATF:W11 S MStatH-Flag diff w/marhist	Categ
12	S12MSTATF	S12MSTATF:W12 S MStatH-Flag diff w/marhist	Categ
13	S13MSTATF	S13MSTATF:W13 S MStatH-Flag diff w/marhist	Categ
E	REMSTATH	REMSTATH:EXIT R MarStat-w/o part, filled	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MSTATH	12652	2.08	2.16	1.0	9.0
R2MSTATH	19642	2.79	2.65	1.0	9.0
R3MSTATH	17988	2.84	2.65	1.0	9.0
R4MSTATH	21380	2.88	2.65	1.0	9.0
R5MSTATH	19578	2.96	2.68	1.0	9.0
R6MSTATH	18165	3.03	2.70	1.0	8.0
R7MSTATH	20123	2.98	2.67	1.0	8.0
R8MSTATH	18469	3.05	2.69	1.0	8.0
R9MSTATH	17217	3.13	2.71	1.0	8.0
R10MSTATH	22030	3.15	2.70	1.0	9.0
R11MSTATH	20554	3.21	2.71	1.0	9.0
R12MSTATH	18747	3.30	2.73	1.0	8.0
R13MSTATH	20905	3.35	2.74	1.0	9.0
S1MSTATH	9900	1.21	1.13	1.0	9.0
S2MSTATH	13090	1.15	0.94	1.0	9.0
S3MSTATH	11917	1.13	0.79	1.0	9.0
S4MSTATH	13980	1.18	0.93	1.0	9.0
S5MSTATH	12730	1.19	0.94	1.0	9.0
S6MSTATH	11639	1.19	0.93	1.0	8.0
S7MSTATH	12972	1.23	1.05	1.0	8.0
S8MSTATH	11735	1.25	1.09	1.0	8.0
S9MSTATH	10646	1.26	1.11	1.0	8.0
S10MSTATH	13513	1.40	1.37	1.0	9.0
S11MSTATH	12488	1.41	1.40	1.0	9.0
S12MSTATH	11012	1.41	1.40	1.0	8.0
S13MSTATH	11779	1.48	1.53	1.0	9.0
R1MSTATF	12652	0.00	0.00	0.0	0.0
R2MSTATF	19642	0.03	0.33	0.0	5.0
R3MSTATF	17991	0.01	0.14	0.0	5.0
R4MSTATF	21384	0.04	0.43	0.0	5.0
R5MSTATF	19578	0.06	0.53	0.0	5.0
R6MSTATF	18165	0.08	0.59	0.0	5.0
R7MSTATF	20129	0.06	0.52	0.0	5.0
R8MSTATF	18469	0.06	0.52	0.0	5.0
R9MSTATF	17217	0.07	0.54	0.0	5.0
R10MSTATF	22034	0.05	0.45	0.0	5.0
R11MSTATF	20554	0.07	0.53	0.0	5.0
R12MSTATF	18747	0.08	0.55	0.0	5.0
R13MSTATF	20912	0.06	0.51	0.0	5.0
S1MSTATF	9900	0.00	0.00	0.0	0.0
S2MSTATF	13090	0.00	0.04	0.0	3.0
S3MSTATF	11917	0.00	0.00	0.0	0.0
S4MSTATF	13980	0.00	0.03	0.0	2.0
S5MSTATF	12730	0.00	0.04	0.0	2.0
S6MSTATF	11639	0.00	0.04	0.0	3.0
S7MSTATF	12972	0.00	0.03	0.0	2.0
S8MSTATF	11735	0.00	0.03	0.0	1.0
S9MSTATF	10646	0.00	0.04	0.0	2.0
S10MSTATF	13513	0.00	0.04	0.0	2.0
S11MSTATF	12488	0.00	0.07	0.0	2.0
S12MSTATF	11012	0.00	0.07	0.0	2.0
S13MSTATF	11779	0.00	0.07	0.0	2.0

REMSTATH 14224 4.36 2.83 1.0 9.0

Categorical Variable Codes

RwMSTATH: R MarStat-w/o part,filled

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|			3	4			6			4
1.Married	|	9837	13148	11792	13820	12368	11243	12515	11273	10274	12772
2.Married,spouse absent	|	57	117	155	144	153	166	187	161	140	296
4.Separated	|	360	434	367	390	330	290	356	313	299	566
5.Divorced	|	1217	1321	1376	2009	1900	1775	2232	2082	2023	3124
6.Separated/divorced	|		111	70							1
7.Widowed	|	649	3806	3678	4317	4203	4155	4096	3996	3879	3943
8.Never married	|	428	627	537	691	619	536	737	644	602	1325
9.Unknown unmar	|	104	78	13	9	5					3

Value		w11	w12	w13
.M=Oth missing	|			7
1.Married	|	11753	10457	11378
2.Married,spouse absent	|	212	165	193
4.Separated	|	519	491	654
5.Divorced	|	2978	2742	3422
6.Separated/divorced	|			
7.Widowed	|	3859	3772	3603
8.Never married	|	1230	1120	1652
9.Unknown unmar	|	3		3

SwMSTATH: S MarStat-w/o part,filled

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
1.Married	|	9492	12701	11484	13373	12124	11075	12219	11027	9993	12218
2.Married,spouse absent	|	42	22	125	125	141	152	168	152	123	256
4.Separated	|	46	73	63	43	38	26	32	30	20	86
5.Divorced	|	131	113	135	253	254	219	327	299	296	538
6.Separated/divorced	|		1								
7.Widowed	|	26	44	54	105	100	116	130	137	134	183
8.Never married	|	63	62	44	73	68	51	96	90	80	230
9.Unknown unmar	|	100	74	12	8	5					2

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
1.Married	|	11309	9991	10524
2.Married,spouse absent	|	180	136	157
4.Separated	|	65	52	76
5.Divorced	|	530	476	558
6.Separated/divorced	|			
7.Widowed	|	189	166	165
8.Never married	|	212	191	297
9.Unknown unmar	|	3		2

 REMSTATH: EXIT R MarStat-w/o part, filled

Value	
.D=DK	15
.M=Oth missing	24
.R=RF	2
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1.Married	4983
2.Married, spouse absent	1037
4.Separated	208
5.Divorced	1242
6.Separated/divorced	66
7.Widowed	6060
8.Never married	577
9.Unknown unmar	51

 RwmSTATF: R MStatH-Flag diff w/marhist

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No discrepancy		12652	19497	17943	21150	19240	17799	19799	18150	16891	21715
1.MS=nev,marhis=evmar			29	23	33	52	41	49	52	61	84
2.MS=evmar,marhis=nev			20	15	36	43	43	39	40	37	37
3.MS=sep,marhis=wid/div			24		18	42	46	41	49	53	45
5.Othr dif unmarried MS			72	10	147	201	236	201	178	175	153

Value		w11	w12	w13
0.No discrepancy		20119	18306	20500
1.MS=nev,marhis=evmar		115	106	91
2.MS=evmar,marhis=nev		56	63	61
3.MS=sep,marhis=wid/div		72	86	81
5.Othr dif unmarried MS		192	186	179

 SwMSTATF: S MStatH-Flag diff w/marhist

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		379	584	417	536	311	220	380	317	365	722
0.No discrepancy		9900	13087	11917	13976	12719	11630	12964	11727	10631	13498
1.MS=nev,marhis=evmar					2	7	7	7	8	13	14
2.MS=evmar,marhis=nev			1		2	4	1	1		2	1
3.MS=sep,marhis=wid/div			2				1				

Value		w11	w12	w13
.U=Unmarried		7474	7125	8024
.V=Spouse NR		592	610	1109
0.No discrepancy		12457	10982	11751
1.MS=nev,marhis=evmar		23	21	20
2.MS=evmar,marhis=nev		8	9	8
3.MS=sep,marhis=wid/div				

How Constructed

Core Interview Variables

This variable is created using current marital status reported for each wave. For Wave 3A, and from Wave 4 forward, a cleaned version of marital status is used, which fills missing marital status using cover sheet data and marital events reported between interviews.

The RwmSTAT variables code partnerships, which override actual marital status. Before Wave 4, partnered couples were not asked for their unmarried status. Beginning in Wave 4, those not living with another, and those living as unmarried partners, were asked for their unmarried status. Please see the description of RwmSTAT and RwmPART variables for details.

The RwmSTATH variables are derived from RwmSTAT but do not code partnerships, and actual marital status replaces the partnership code, if it can be determined. For instance, because partners were specifically asked actual marital status from Waves 4 forward, many partner marital statuses can be carried back to prior waves if no intervening marital events have occurred. Marital events can also indicate marital status of a partnered Respondent, e.g., a number of partners report a widowhood or divorce, followed closely by a marriage to the partner. When the actual marital status cannot be determined RwmSTATH is set to an unknown unmarried status(=9). Marital status for partners can sometimes also be determined at their first interview from retrospective marriage history information. From Wave 7 and forward, some cases report a marital status of annulled, which is treated the same as never married.

The codes for separation and divorce are combined in Waves 2A, 3A, and 3H; a separate category is used for this ambiguous state. Information from previous and subsequent wave marital status, marital events reported, marital history, and spouse marital status are used to distinguish between separation and divorce in these waves when possible. For all waves, this variable combines "Married, spouse absent" as one category, rather than separating spouse in institution vs not. HRS Wave 1 imputations are not used at all.

The RwmSTATF variables compare RwmSTATH with marital status reported in other waves, and those derived from marital history. For instance, some cases switch between unmarried statuses across waves, e.g., from divorced to never married. RwmSTATF flags these seemingly illogical differences, distinguishing between ever married and never married discrepancies, and those of other types.

RwmSTATH may have a value when RwmSTAT is missing. The analyst may want to fill RwmSTAT from RwmSTATH in these cases.

The spouse variable SwmSTATH is taken from the spouse's data for Wave 'w.' It is set to .U if the Respondent is unmarried or unpartnered or .V if the Respondent's spouse or partner did not respond in a given wave.

Exit Interview Variables

REMSTATH indicates a Respondent's marital status without partnership at the time of death. It is constructed using the marital status reported in the Exit Interview (see REMSTAT). The marital status partnership code is replaced by an unmarried marital code. Wave 2H and 3 utilize cover sheet data, preload and previous interview marital codes. In all other waves, unmarried marital status and cover sheet data are utilized to determine the unmarried status for partnership. If the marital status of a partnered couple cannot be determined, then REMSTATH is set to unknown unmarried status(=9).

The marital status codes follow the same categories as the Core Interview measure RwmSTATH: married, married (spouse absent), separated, divorced, widowed, and never married, and separated/divorced. Separated/divorced is a combined single code used only in Wave 3. However, separated categories for divorced and separated are used in all other waves. REMSTATH codes married and spouse absent as one category, rather than separating spouse in institution vs. not in institution.

From Wave 7 forward, some cases report a marital status of annulled which is treated as "never married".

Core and Exit Differences

The Core interview measure RwmSTATH uses questions asked of the Respondent as well as questions asked of the spouse and/or partner. The Exit Interview marital status without partnership is constructed using only the proxy's response for the Respondent. For Exit Interview Wave 2H and 3 cover sheet data, preload and previous interview marital codes for unmarrieds are utilized, and all other Exit Interview Waves, unmarried marital status and cover sheet data are used to determine the unmarried status for partnership.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home and those whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded, in addition to the unmarried statuses.

Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from the cover sheet section questions. There is no distinction made between spouse present and spouse absent in the raw marital status variable, but this information is available from other questions in the cover sheet section.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status used to derive RwmSTAT.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears.

From Wave 4 forward, some partners appear to have married based on these reported marital transitions. These cases often report "other" in response to the question about specific unmarried status; note that "married" is not allowed in response to this question. Cases with both a reported marital event and a report of "other" marital status are set to married in the cleaned versions of marital status used in deriving RwmSTAT.

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages. For previous marriages, questions ask how it ended. In Wave 1, partnered Respondents are asked the timing of their most recent marriage, but not how it ended. For Wave 2A, partnered Respondents who report being previously married are asked how the marriage ended, and the number of years they were married. For new Respondents in Wave 2H the most recent marriage is only asked about if it is also the first. From Wave 3 forward, new Respondents are asked how the most recent marriage ended if they were ever married.

Exit Interview Variables

In Wave 2H, the Proxy is asked about the Respondent's marital status as married, partnered, separated, divorced, widowed, or never married. The marital status includes a married (spouse absent) status that is split between those whose spouse is in a nursing home and those whose spouse is not institutionalized. These are combined into one category which is married, spouse absent.

In Wave 3H, the Respondent is not asked marital status; it is derived from the preloaded marital status and questions from the cover sheet section. The separated and divorced statuses are coded as a single category. Marital status in Wave 3A is also derived using questions from the cover sheet section, and there is a distinction for married spouse present and married spouse absent. In Waves 2H and 3, unmarried codes for partners are determined by cover sheet, preload and previous interview data.

From Wave 4 forward, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded, in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents utilizing cover sheet section questions. There is no distinction made between spouse present and spouse absent in the raw marital status variable, but this information is available from other questions in the cover sheet section.

From Wave 7 forward some cases report a marital status as annulled, which is treated as never married.

HRS Variables Used

Core Interview Variables

HRS 1992:	
V10225	A10:CURRENT MAR STAT:IND
V225	A10:CURRENT MARR STA:IMP
V228	A10B:EVER BEEN MARRIED
V232	A10E:LAST MARR END-MO
V233	A10E:LAST MARR END-YEAR
AHEAD 1993:	
B150	A11. R'S MARITAL STATUS
B158	A11c. LIVE TGHR: EVER MARRIED
B160	A11e. LIVE TGHR: DIVORCED OR WIDOWED
B166	A13. # OF MARRIAGES EVER
HRS 1994:	
W200	A1. Marital Status
W207	A6. Ever Been Married?
W208	A7. Number of Times Married
W210	A9. Marriage End Divorce/Widow
AHEAD 1995:	
D676	A21.L-EVER MARRIED
D677	A21A.# MARRIAGES
D680	A22B.FIRST MAR-END DIV/WID
D684	A23B.RECENT MAR-END DIV/WID
DMSTATR	HRS 95: Marital Status (w/ partnered)
HRS 1996:	
E256A	MARRIAGE STATUS - CORRECTED
E676	A21.L-EVER MARRIED
E677	A21A.# MARRIAGES
E680	A22B.FIRST MAR-END DIV/WID
E684	A23B.RECENT MAR-END DIV/WID
HRS 1998:	
F1059	A40.POST W1 MARRIAGE START
F1066	A41.POST W1 DIV/WIDOWED
F1070	A43.MARITAL STATUS IF UNMARRIED
F1071	A43A.MARITAL STATUS, ASSIGNED

F1072	A44.# MARRIAGES
F1075	A45B.FIRST MAR-END DIV/WID
F1087	A48B.RECENT MAR-END DIV/WID
F461	PRELOAD COHORT
F462	PRELOAD MARITAL STATUS
F475	WHICH IW 1ST R/2ND R
F502	CS4.1ST R SAME SPOUSE/P
F504	CS5.PRELOAD SPOUSE/P ALIVE
F507	CS7.1ST R MARRIED
F508	CS8.COUPLE PARTNER
F517	CS11.R IN NURSING HOME
F521	CS12.COUPLE LIVE TOGETHER
F524	CS14.SP/P WHERE LIVE
F528	CS15A.MARRIED OR SEPARATED
F529	CS15B.SEPARATED:PARTNERED?
F546	CS15D.CURRENT COUPLENESS
FMARST	HRS 98: Marital Status (w/o partnered)
FMARSTP	HRS 98: Marital Status (w/ partnered)
HRS 2000:	
G1146	A40.POST W1 MARRIAGE START
G1153	A41.POST W1 DIV/WIDOWED
G1158	A43A.MARITAL STATUS_ASSIGNED
G1159	A44.# MARRIAGES
G1162	A45B.FIRST MAR-END DIV/WID
G1174	A48B.RECENT MAR-END DIV/WID
G482	CS0Y9.PRELOAD ENTRY COHORT
G506	CS0Y21.WHICH IW 1ST R/2ND R
G543	CS4.1ST R SAME SPOUSE/P
G545	CS5.PRELOAD SPOUSE/P ALIVE
G548	CS7.1ST R MARRIED
G549	CS8.COUPLE PARTNER
G558	CS11.R IN NURSING HOME
G562	CS12.COUPLE LIVE TOGETHER
G569	CS15A.MARRIED OR SEPARATED
G570	CS15B.SEPARATED:PARTNERED?
G597	CS15D.CURRENT COUPLENESS
GMARST	HRS 00: Marital Status (w/o partnered)
GMARSTP	HRS 00: Marital Status (w/ partnered)
HRS 2002:	
HMARITAL	MARITAL STATUS
HRS 2002-2016:	
xA020	1ST R SAME SP/P
xA023	PREVIOUS WAVE SP/P ALIVE
xA026	R MARRIED
xA027	LIVING W/P
xA028	R IN NURSING HOME
xA030	COUPLE LIVE TOGETHER
xA033	SP/P IN NURSHOME
xA034	MARRIED OR SEPARATED
xA035	SEPARATED/PARTNERED
xB055	NEW MARRIAGE SINCE PREVIOUS WAVE
xB058	DIVORCE/WIDOW SINCE PREVIOUS WAVE
xB061	MARITAL STATUS IF UNMARRIED
xB065	NUMBER OF MARRIAGES
xB068_1	FIRST MARRIAGE END DIVORCE/WIDOW
xx065_R	COUPLENESS STATUS - UPDATED
xZ023	WHICH COHORT
HRS 2004-2016:	
xB063	MARITAL STATUS ASSIGNED

xSUBHH 2004 SUB-HOUSEHOLD IDENTIFIER

Exit Interview Variables

AHEAD 1995:

N204 PRELOAD MAR STAT
 N245 CS8x.W1 COUPLE PARTNER
 N248 CS10x.W1 ONLY NEW PARTNER
 N250 CS12.COUPLE LIVE TOGETHER
 N674 A21.R MARITAL STATUS

HRS 1996:

P204 PRELOAD MAR STAT
 P245 CS8x.W1 COUPLE PARTNER
 P248 CS10x.W1 ONLY NEW PARTNER
 P250 CS12.COUPLE LIVE TOGETHER
 P692 A21.R MARITAL

HRS 1998:

Q1071 A43a.MARITAL STATUS, ASSIGNED
 Q506 CS5x.PRELOAD SPOUSE/P ALIVE
 Q509 CS7x.1ST R MARRIED
 Q510 CS8x.COUPLE PARTNER
 Q523 CS12.COUPLE LIVE TOGETHER
 Q530 CS15A.MARRIED OR SEPARATED
 Q531 CS15B.SEPARATED:PARTNERED?
 Q548 CS15D.CURRENT COUPLENESS

HRS 2000:

R1134 A43a.MARITAL STATUS ASSIGNED
 R483 CS0Y9a.PRELOAD MARITAL STATUS
 R545 CS5x.PRELOAD SPOUSE/P ALIVE
 R548 CS7x.1ST R MARRIED
 R549 CS8x.COUPLE PARTNER
 R562 CS12.COUPLE LIVE TOGETHER
 R569 CS15A.MARRIED OR SEPARATED
 R570 CS15B.SEPARATED:PARTNERED?
 R597 CS15D.CURRENT COUPLENESS

HRS 2002:

SA020 1ST R SAME SP/P
 SA023 PREVIOUS WAVE SP/P ALIVE
 SA026 R MARRIED
 SA034 MARRIED OR SEPARATED
 SA038 CURRENT COUPLENESS

HRS 2002-2016:

xA030 COUPLE LIVE TOGETHER
 xB061 MARITAL STATUS IF UNMARRIED
 xX065_R COUPLENESS STATUS R - UPDATED

HRS 2004-2016:

xA027 LIVING W/P
 xB063 MARITAL STATUS ASSIGNED

Tracker Variables

Tracker:

HHID HOUSEHOLD IDENTIFIER
 xSUBHH 1992-2016 SUB-HOUSEHOLD IDENTIFIER

Marital History

Wave	Variable Name	Variable Label	Type
1	R1MRCT	R1MRCT:W1 R # marriages	Categ
2	R2MRCT	R2MRCT:W2 R # marriages	Categ
3	R3MRCT	R3MRCT:W3 R # marriages	Categ
4	R4MRCT	R4MRCT:W4 R # marriages	Categ
5	R5MRCT	R5MRCT:W5 R # marriages	Categ
6	R6MRCT	R6MRCT:W6 R # marriages	Categ
7	R7MRCT	R7MRCT:W7 R # marriages	Categ
8	R8MRCT	R8MRCT:W8 R # marriages	Categ
9	R9MRCT	R9MRCT:W9 R # marriages	Categ
10	R10MRCT	R10MRCT:W10 R # marriages	Categ
11	R11MRCT	R11MRCT:W11 R # marriages	Categ
12	R12MRCT	R12MRCT:W12 R # marriages	Categ
13	R13MRCT	R13MRCT:W13 R # marriages	Categ
1	S1MRCT	S1MRCT:W1 S # marriages	Categ
2	S2MRCT	S2MRCT:W2 S # marriages	Categ
3	S3MRCT	S3MRCT:W3 S # marriages	Categ
4	S4MRCT	S4MRCT:W4 S # marriages	Categ
5	S5MRCT	S5MRCT:W5 S # marriages	Categ
6	S6MRCT	S6MRCT:W6 S # marriages	Categ
7	S7MRCT	S7MRCT:W7 S # marriages	Categ
8	S8MRCT	S8MRCT:W8 S # marriages	Categ
9	S9MRCT	S9MRCT:W9 S # marriages	Categ
10	S10MRCT	S10MRCT:W10 S # marriages	Categ
11	S11MRCT	S11MRCT:W11 S # marriages	Categ
12	S12MRCT	S12MRCT:W12 S # marriages	Categ
13	S13MRCT	S13MRCT:W13 S # marriages	Categ
1	R1MNEV	R1MNEV:W1 R never married	Categ
2	R2MNEV	R2MNEV:W2 R never married	Categ
3	R3MNEV	R3MNEV:W3 R never married	Categ
4	R4MNEV	R4MNEV:W4 R never married	Categ
5	R5MNEV	R5MNEV:W5 R never married	Categ
6	R6MNEV	R6MNEV:W6 R never married	Categ
7	R7MNEV	R7MNEV:W7 R never married	Categ
8	R8MNEV	R8MNEV:W8 R never married	Categ
9	R9MNEV	R9MNEV:W9 R never married	Categ
10	R10MNEV	R10MNEV:W10 R never married	Categ
11	R11MNEV	R11MNEV:W11 R never married	Categ
12	R12MNEV	R12MNEV:W12 R never married	Categ
13	R13MNEV	R13MNEV:W13 R never married	Categ
1	S1MNEV	S1MNEV:W1 S never married	Categ
2	S2MNEV	S2MNEV:W2 S never married	Categ
3	S3MNEV	S3MNEV:W3 S never married	Categ
4	S4MNEV	S4MNEV:W4 S never married	Categ
5	S5MNEV	S5MNEV:W5 S never married	Categ
6	S6MNEV	S6MNEV:W6 S never married	Categ
7	S7MNEV	S7MNEV:W7 S never married	Categ
8	S8MNEV	S8MNEV:W8 S never married	Categ
9	S9MNEV	S9MNEV:W9 S never married	Categ
10	S10MNEV	S10MNEV:W10 S never married	Categ
11	S11MNEV	S11MNEV:W11 S never married	Categ
12	S12MNEV	S12MNEV:W12 S never married	Categ
13	S13MNEV	S13MNEV:W13 S never married	Categ
1	R1MDIV	R1MDIV:W1 R # times divorced	Categ
2	R2MDIV	R2MDIV:W2 R # times divorced	Categ
3	R3MDIV	R3MDIV:W3 R # times divorced	Categ
4	R4MDIV	R4MDIV:W4 R # times divorced	Categ
5	R5MDIV	R5MDIV:W5 R # times divorced	Categ
6	R6MDIV	R6MDIV:W6 R # times divorced	Categ
7	R7MDIV	R7MDIV:W7 R # times divorced	Categ
8	R8MDIV	R8MDIV:W8 R # times divorced	Categ
9	R9MDIV	R9MDIV:W9 R # times divorced	Categ
10	R10MDIV	R10MDIV:W10 R # times divorced	Categ

11	R11MDIV	R11MDIV:W1	R # times divorced	Categ
12	R12MDIV	R12MDIV:W12	R # times divorced	Categ
13	R13MDIV	R13MDIV:W13	R # times divorced	Categ
1	S1MDIV	S1MDIV:W1	S # times divorced	Categ
2	S2MDIV	S2MDIV:W2	S # times divorced	Categ
3	S3MDIV	S3MDIV:W3	S # times divorced	Categ
4	S4MDIV	S4MDIV:W4	S # times divorced	Categ
5	S5MDIV	S5MDIV:W5	S # times divorced	Categ
6	S6MDIV	S6MDIV:W6	S # times divorced	Categ
7	S7MDIV	S7MDIV:W7	S # times divorced	Categ
8	S8MDIV	S8MDIV:W8	S # times divorced	Categ
9	S9MDIV	S9MDIV:W9	S # times divorced	Categ
10	S10MDIV	S10MDIV:W10	S # times divorced	Categ
11	S11MDIV	S11MDIV:W11	S # times divorced	Categ
12	S12MDIV	S12MDIV:W12	S # times divorced	Categ
13	S13MDIV	S13MDIV:W13	S # times divorced	Categ
1	R1MWID	R1MWID:W1	R # times widowed	Categ
2	R2MWID	R2MWID:W2	R # times widowed	Categ
3	R3MWID	R3MWID:W3	R # times widowed	Categ
4	R4MWID	R4MWID:W4	R # times widowed	Categ
5	R5MWID	R5MWID:W5	R # times widowed	Categ
6	R6MWID	R6MWID:W6	R # times widowed	Categ
7	R7MWID	R7MWID:W7	R # times widowed	Categ
8	R8MWID	R8MWID:W8	R # times widowed	Categ
9	R9MWID	R9MWID:W9	R # times widowed	Categ
10	R10MWID	R10MWID:W10	R # times widowed	Categ
11	R11MWID	R11MWID:W11	R # times widowed	Categ
12	R12MWID	R12MWID:W12	R # times widowed	Categ
13	R13MWID	R13MWID:W13	R # times widowed	Categ
1	S1MWID	S1MWID:W1	S # times widowed	Categ
2	S2MWID	S2MWID:W2	S # times widowed	Categ
3	S3MWID	S3MWID:W3	S # times widowed	Categ
4	S4MWID	S4MWID:W4	S # times widowed	Categ
5	S5MWID	S5MWID:W5	S # times widowed	Categ
6	S6MWID	S6MWID:W6	S # times widowed	Categ
7	S7MWID	S7MWID:W7	S # times widowed	Categ
8	S8MWID	S8MWID:W8	S # times widowed	Categ
9	S9MWID	S9MWID:W9	S # times widowed	Categ
10	S10MWID	S10MWID:W10	S # times widowed	Categ
11	S11MWID	S11MWID:W11	S # times widowed	Categ
12	S12MWID	S12MWID:W12	S # times widowed	Categ
13	S13MWID	S13MWID:W13	S # times widowed	Categ
1	R1MEND	R1MEND:W1	R # times unknown end marriage	Categ
2	R2MEND	R2MEND:W2	R # times unknown end marriage	Categ
3	R3MEND	R3MEND:W3	R # times unknown end marriage	Categ
4	R4MEND	R4MEND:W4	R # times unknown end marriage	Categ
5	R5MEND	R5MEND:W5	R # times unknown end marriage	Categ
6	R6MEND	R6MEND:W6	R # times unknown end marriage	Categ
7	R7MEND	R7MEND:W7	R # times unknown end marriage	Categ
8	R8MEND	R8MEND:W8	R # times unknown end marriage	Categ
9	R9MEND	R9MEND:W9	R # times unknown end marriage	Categ
10	R10MEND	R10MEND:W10	R # times unknown end marriage	Categ
11	R11MEND	R11MEND:W11	R # times unknown end marriage	Categ
12	R12MEND	R12MEND:W12	R # times unknown end marriage	Categ
13	R13MEND	R13MEND:W13	R # times unknown end marriage	Categ
1	S1MEND	S1MEND:W1	S # times unknown end marriage	Categ
2	S2MEND	S2MEND:W2	S # times unknown end marriage	Categ
3	S3MEND	S3MEND:W3	S # times unknown end marriage	Categ
4	S4MEND	S4MEND:W4	S # times unknown end marriage	Categ
5	S5MEND	S5MEND:W5	S # times unknown end marriage	Categ
6	S6MEND	S6MEND:W6	S # times unknown end marriage	Categ
7	S7MEND	S7MEND:W7	S # times unknown end marriage	Categ
8	S8MEND	S8MEND:W8	S # times unknown end marriage	Categ
9	S9MEND	S9MEND:W9	S # times unknown end marriage	Categ
10	S10MEND	S10MEND:W10	S # times unknown end marriage	Categ
11	S11MEND	S11MEND:W11	S # times unknown end marriage	Categ
12	S12MEND	S12MEND:W12	S # times unknown end marriage	Categ

13 S13MEND S13MEND:W13 S # times unknown end marriage Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MRCT	12614	1.33	0.71	0.0	13.0
R2MRCT	19574	1.30	0.68	0.0	13.0
R3MRCT	17931	1.31	0.68	0.0	13.0
R4MRCT	21323	1.32	0.69	0.0	13.0
R5MRCT	19519	1.33	0.70	0.0	13.0
R6MRCT	18107	1.34	0.71	0.0	8.0
R7MRCT	20066	1.36	0.73	0.0	8.0
R8MRCT	18409	1.37	0.75	0.0	8.0
R9MRCT	17159	1.39	0.76	0.0	8.0
R10MRCT	21955	1.36	0.78	0.0	8.0
R11MRCT	20491	1.38	0.79	0.0	8.0
R12MRCT	18687	1.39	0.80	0.0	8.0
R13MRCT	20834	1.36	0.81	0.0	8.0
S1MRCT	9885	1.36	0.67	0.0	8.0
S2MRCT	13043	1.33	0.64	0.0	8.0
S3MRCT	11878	1.34	0.64	0.0	7.0
S4MRCT	13944	1.35	0.66	0.0	8.0
S5MRCT	12695	1.36	0.67	0.0	8.0
S6MRCT	11601	1.39	0.70	0.0	8.0
S7MRCT	12931	1.40	0.72	0.0	8.0
S8MRCT	11698	1.42	0.73	0.0	8.0
S9MRCT	10618	1.43	0.74	0.0	8.0
S10MRCT	13469	1.43	0.74	0.0	8.0
S11MRCT	12452	1.44	0.75	0.0	7.0
S12MRCT	10977	1.45	0.76	0.0	7.0
S13MRCT	11741	1.43	0.77	0.0	7.0
R1MNEV	12652	0.03	0.18	0.0	1.0
R2MNEV	19642	0.03	0.17	0.0	1.0
R3MNEV	17991	0.03	0.17	0.0	1.0
R4MNEV	21381	0.03	0.18	0.0	1.0
R5MNEV	19576	0.03	0.17	0.0	1.0
R6MNEV	18164	0.03	0.17	0.0	1.0
R7MNEV	20127	0.04	0.19	0.0	1.0
R8MNEV	18467	0.03	0.18	0.0	1.0
R9MNEV	17216	0.03	0.18	0.0	1.0
R10MNEV	22032	0.06	0.23	0.0	1.0
R11MNEV	20553	0.06	0.23	0.0	1.0
R12MNEV	18746	0.06	0.23	0.0	1.0
R13MNEV	20910	0.08	0.27	0.0	1.0
S1MNEV	9900	0.01	0.08	0.0	1.0
S2MNEV	13090	0.00	0.07	0.0	1.0
S3MNEV	11917	0.00	0.06	0.0	1.0
S4MNEV	13980	0.01	0.07	0.0	1.0
S5MNEV	12730	0.01	0.07	0.0	1.0
S6MNEV	11639	0.00	0.06	0.0	1.0
S7MNEV	12972	0.01	0.08	0.0	1.0
S8MNEV	11735	0.01	0.08	0.0	1.0
S9MNEV	10646	0.01	0.08	0.0	1.0

S10MNEV	13513	0.02	0.13	0.0	1.0
S11MNEV	12488	0.02	0.12	0.0	1.0
S12MNEV	11012	0.02	0.13	0.0	1.0
S13MNEV	11779	0.02	0.15	0.0	1.0
R1MDIV	12652	0.40	0.66	0.0	4.0
R2MDIV	19642	0.25	0.56	0.0	4.0
R3MDIV	17991	0.27	0.58	0.0	5.0
R4MDIV	21384	0.31	0.62	0.0	5.0
R5MDIV	19578	0.33	0.63	0.0	5.0
R6MDIV	18165	0.35	0.65	0.0	5.0
R7MDIV	20129	0.40	0.69	0.0	5.0
R8MDIV	18469	0.41	0.70	0.0	5.0
R9MDIV	17217	0.44	0.72	0.0	5.0
R10MDIV	22034	0.49	0.75	0.0	5.0
R11MDIV	20554	0.51	0.76	0.0	6.0
R12MDIV	18747	0.52	0.78	0.0	6.0
R13MDIV	20912	0.54	0.78	0.0	6.0
S1MDIV	9900	0.32	0.60	0.0	4.0
S2MDIV	13090	0.21	0.51	0.0	3.0
S3MDIV	11917	0.23	0.52	0.0	4.0
S4MDIV	13980	0.26	0.56	0.0	5.0
S5MDIV	12730	0.27	0.57	0.0	5.0
S6MDIV	11639	0.29	0.59	0.0	5.0
S7MDIV	12972	0.34	0.63	0.0	5.0
S8MDIV	11735	0.35	0.65	0.0	5.0
S9MDIV	10646	0.37	0.67	0.0	5.0
S10MDIV	13513	0.41	0.69	0.0	5.0
S11MDIV	12488	0.43	0.70	0.0	5.0
S12MDIV	11012	0.44	0.71	0.0	5.0
S13MDIV	11779	0.44	0.72	0.0	5.0
R1MWID	12652	0.09	0.30	0.0	3.0
R2MWID	19642	0.22	0.42	0.0	3.0
R3MWID	17991	0.23	0.43	0.0	3.0
R4MWID	21384	0.24	0.44	0.0	3.0
R5MWID	19578	0.25	0.45	0.0	3.0
R6MWID	18165	0.27	0.46	0.0	3.0
R7MWID	20129	0.25	0.45	0.0	3.0
R8MWID	18469	0.26	0.47	0.0	3.0
R9MWID	17217	0.28	0.48	0.0	3.0
R10MWID	22034	0.22	0.44	0.0	3.0
R11MWID	20554	0.23	0.45	0.0	4.0
R12MWID	18747	0.25	0.47	0.0	4.0
R13MWID	20912	0.21	0.44	0.0	3.0
S1MWID	9900	0.05	0.22	0.0	3.0
S2MWID	13090	0.03	0.18	0.0	2.0
S3MWID	11917	0.04	0.20	0.0	2.0
S4MWID	13980	0.05	0.22	0.0	3.0
S5MWID	12730	0.05	0.23	0.0	2.0
S6MWID	11639	0.06	0.26	0.0	3.0
S7MWID	12972	0.06	0.25	0.0	3.0
S8MWID	11735	0.07	0.27	0.0	3.0
S9MWID	10646	0.07	0.28	0.0	3.0
S10MWID	13513	0.06	0.26	0.0	3.0
S11MWID	12488	0.07	0.27	0.0	3.0
S12MWID	11012	0.07	0.26	0.0	3.0

S13MWID	11779	0.06	0.25	0.0	3.0
R1MEND	12614	0.02	0.20	0.0	10.0
R2MEND	19574	0.13	0.42	0.0	10.0
R3MEND	17931	0.12	0.40	0.0	10.0
R4MEND	21323	0.09	0.36	0.0	10.0
R5MEND	19519	0.09	0.35	0.0	10.0
R6MEND	18107	0.08	0.32	0.0	5.0
R7MEND	20066	0.06	0.29	0.0	5.0
R8MEND	18409	0.06	0.28	0.0	5.0
R9MEND	17159	0.05	0.27	0.0	5.0
R10MEND	21955	0.03	0.21	0.0	5.0
R11MEND	20491	0.03	0.21	0.0	5.0
R12MEND	18687	0.03	0.20	0.0	5.0
R13MEND	20834	0.02	0.17	0.0	5.0
S1MEND	9885	0.02	0.18	0.0	6.0
S2MEND	13043	0.11	0.38	0.0	6.0
S3MEND	11878	0.10	0.36	0.0	6.0
S4MEND	13944	0.07	0.31	0.0	4.0
S5MEND	12695	0.07	0.29	0.0	3.0
S6MEND	11601	0.06	0.28	0.0	4.0
S7MEND	12931	0.05	0.25	0.0	5.0
S8MEND	11698	0.04	0.23	0.0	4.0
S9MEND	10618	0.04	0.22	0.0	4.0
S10MEND	13469	0.02	0.17	0.0	4.0
S11MEND	12452	0.02	0.16	0.0	4.0
S12MEND	10977	0.02	0.16	0.0	4.0
S13MEND	11741	0.02	0.14	0.0	4.0

Categorical Variable Codes

RwMRCT: R # marriages

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|				1	2	2	3	3	2	3
.M=Oth missing	|	5	16	12	13	11	11	17	17	17	35
.R=RF	|	33	52	48	47	46	45	43	40	39	41
0	|	428	617	527	691	605	534	722	625	569	1270
1	|	8638	13810	12579	14821	13501	12386	13324	12162	11200	13771
2	|	2814	4105	3822	4539	4205	4006	4588	4206	4004	5100
3	|	567	811	786	1003	946	903	1087	1073	1048	1408
4	|	112	181	171	222	213	224	287	289	284	355
5	|	42	37	32	33	37	43	45	41	41	40
6	|	8	8	9	7	8	6	7	7	7	7
7	|	3	3	4	4	2	3	4	4	4	3
8	|	1	1		2	1	2	2	2	2	1
13	|	1	1	1	1	1					

Value		w11	w12	w13
.D=DK	|	2	2	2
.M=Oth missing	|	31	30	44
.R=RF	|	30	28	32
0	|	1166	1060	1603
1	|	12706	11477	12534
2	|	4827	4438	4844
3	|	1391	1328	1437
4	|	352	328	359
5	|	36	43	46
6	|	9	9	8
7	|	3	3	2
8	|	1	1	1
13	|			

SwMRCT: S # marriages

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|				1	2	2	2	2	2	1
.M=Oth missing	|		6	5	4	4	4	10	9	3	18
.R=RF	|	15	41	34	31	29	32	29	26	23	25
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0	|	63	63	44	73	65	45	90	80	69	217
1	|	6992	9478	8584	10004	9026	8098	8823	7922	7068	8735
2	|	2246	2794	2581	3015	2781	2642	3040	2741	2566	3326
3	|	451	560	526	671	644	618	733	710	682	927
4	|	91	114	112	147	146	160	203	207	197	236
5	|	34	26	25	26	26	30	32	29	29	22
6	|	5	5	4	4	4	3	4	4	3	3
7	|	2	2	2	2	2	3	4	3	3	2
8	|	1	1		2	1	2	2	2	1	1

Value		w11	w12	w13
.D=DK	|	2	1	1
.M=Oth missing	|	15	15	20
.R=RF	|	19	19	17
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0	|	197	177	283
1	|	8012	7027	7475

2	|	3088	2706	2864
3	|	904	837	877
4	|	223	200	210
5	|	22	24	27
6	|	5	5	4
7	|	1	1	1
8	|			

RwMNEV: R never married

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No mars,likely nev mar	|				3	2	1	2	2	1	2
0.Ever married	|	12224	19025	17464	20690	18971	17630	19405	17842	16647	20762
1.Never married	|	428	617	527	691	605	534	722	625	569	1270

Value	|	w11	w12	w13
.N=No mars,likely nev mar	|	1	1	2
0.Ever married	|	19387	17686	19307
1.Never married	|	1166	1060	1603

SwMNEV: S never married

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.Ever married	|	9837	13027	11873	13907	12665	11594	12882	11655	10577	13296
1.Never married	|	63	63	44	73	65	45	90	80	69	217

Value	|	w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Ever married	|	12291	10835	11496
1.Never married	|	197	177	283

RwMDIV: R # times divorced

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0	|	8688	15756	14180	16148	14582	13282	14033	12710	11627	14087
1	|	3107	3058	3000	4061	3871	3736	4540	4240	4065	5734
2	|	672	644	634	927	891	909	1224	1187	1193	1733
3	|	167	161	157	217	200	203	291	291	285	415
4	|	18	23	17	28	31	32	38	38	44	62
5	|			3	3	3	3	3	3	3	3
6	|										

Value		w11	w12	w13
0	|	12914	11607	12645
1	|	5432	5037	5842
2	|	1712	1620	1861
3	|	424	405	482
4	|	68	74	78
5	|	3	3	3
6	|	1	1	1

SwMDIV: S # times divorced

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0	|	7335	10803	9708	11053	9923	8914	9565	8571	7638	9265
1	|	2065	1847	1801	2340	2243	2152	2630	2398	2249	3156
2	|	397	354	326	476	456	456	610	604	598	877
3	|	102	86	81	104	100	106	154	149	146	196
4	|	1		1	5	6	9	11	11	13	17
5	|				2	2	2	2	2	2	2

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0	|	8461	7417	7862
1	|	2975	2625	2850
2	|	840	771	844
3	|	190	173	194
4	|	21	25	27
5	|	1	1	2

RwMWID: R # times widowed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0	|	11516	15416	13875	16420	14727	13383	15355	13808	12688	17380
1	|	1098	4176	4055	4840	4716	4628	4608	4460	4323	4424
2	|	37	49	59	119	130	149	158	189	194	216
3	|	1	1	2	5	5	5	8	12	12	14
4	|										

Value		w11	w12	w13
0	|	16049	14426	16808
1	|	4260	4062	3854
2	|	228	239	235
3	|	16	19	15
4	|	1	1	

SwMWID: S # times widowed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0	|	9456	12678	11487	13328	12076	10925	12198	10961	9910	12695
1	|	429	398	415	633	632	683	738	726	696	776
2	|	14	14	15	18	22	30	35	46	38	39
3	|	1			1		1	1	2	2	3

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0	|	11697	10323	11135
1	|	746	651	610
2	|	41	35	32
3	|	4	3	2

RwMEND: R # times unknown end marriage

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	38	68	60	61	59	58	63	60	58	79
0	|	12372	17490	16126	19679	18077	16884	18980	17503	16374	21308
1	|	217	1709	1485	1351	1198	1027	916	763	662	550
2	|	17	302	262	244	204	167	144	123	105	86
3	|	2	68	54	44	37	25	22	16	15	9
4	|	2	2	1	2	1	3	3	3	2	1
5	|	2	1	1	1	1	1	1	1	1	1
6	|	1	1	1	1						
10	|	1	1	1	1	1					

Value		w11	w12	w13
.M=Oth missing	|	63	60	78
0	|	19933	18202	20423
1	|	472	415	358
2	|	74	61	46
3	|	10	7	5
4	|	1	1	1
5	|	1	1	1
6	|			
10	|			

SwMEND: S # times unknown end marriage

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	15	47	39	36	35	38	41	37	28	44
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0	|	9692	11892	10920	13102	11984	11011	12434	11303	10282	13201
1	|	177	946	786	695	591	497	422	336	290	239
2	|	11	166	147	127	103	82	64	50	38	25
3	|	1	36	22	19	17	8	7	6	7	3
4	|	2	1	1	1		3	3	3	1	1
5	|	1	1	1				1			
6	|	1	1	1							

Value		w11	w12	w13
.M=Oth missing	|	36	35	38
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0	|	12225	10773	11572
1	|	205	185	157
2	|	19	16	10
3	|	2	2	1
4	|	1	1	1
5	|			
6	|			

How Constructed

RwMRCT reports the number of times a Respondent has been married. It is pulled from the marriage history information and assigned at the first wave the Respondent enters the HRS. The marriage history information provides number of marriages, including the current one. After the first wave, the number of marriages changes if the Respondent reports a marriage beginning between waves

or if a change in marital status indicates that one has begun. Additionally, if the Respondent is married in 2 consecutive waves but to different spouses, a marriage is added for the new spouse.

Please note that the maximum number of marriages an individual can report at the first interview varies. If the first interview is Wave 1, there is no maximum; at most, 15 marriages are reported. In Wave 2H the maximum is 15. For all other waves the maximum allowed is 4.

RwMNEV indicates if the Respondent has never been married. If the Respondent reports having an ever-married status but later reports being never-married, s/he remains ever-married, i.e., $RwMNEV=0$ for the later wave. From Wave 7 and forward, some cases report marital status as annulled, which is treated as never married.

For ever-married Respondents, three additional variables are derived: RwMDIV counts the number of divorces the Respondent has reported; RwMWID counts the number of times the Respondent reports being widowed; and RwMEND counts the number of ended marriages where the ending status (divorce or widowhood) is unknown.

The derivation for number of times marriages end for each of these three variables begins with the individual's marriage history at the first interview to which s/he responds. The number of divorces and widowhoods are counted as well as the number of remaining marriages that ended for which the end status is unknown. At subsequent interviews, RwMDIV and RwMWID counts are increased if a Respondent's marital status changes from married or separated to divorced or widowed, respectively. Similarly, RwMDIV, RwMWID, and RwMEND counts are increased, respectively, if a divorce, widowhood, or any marriage end with an unknown status is reported as occurring between interviews.

Spouse marital and mortality statuses are used to help fill missing or ambiguous marriage ends. Partners living together are treated as having an unmarried or separated status.

The spouse's variables are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwMRCT, RwMNEV, RwMDIV, RwMWID, and RwMEND. These spouse variables are set to .U if the Respondent is unmarried or unpartnered and are set to .V if the Respondent's spouse or partner did not respond in a given wave.

Cross Wave Differences in Original HRS Data

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages.

From Wave 2H forward for the HRS sample and for the AHEAD sample from Wave 3A forward, a change from unmarried to married status or vice versa since the last interview triggers questions about whether a marriage has begun or ended since the last interview. If any marital events between interviews are reported, the month and year of each is collected.

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H, Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home, and those whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled

may be coded in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from cover sheet section questions.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears.

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask the number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages. For previous marriages, questions ask how it ended.

The skip pattern and amount of marital history information gathered varies from wave to wave. In Wave 1, data are collected on 3 past marriages, and the current or most recent marriage. For new Respondents in Wave 2H, data are collected only about the first marriage. For new Respondents in Wave 3H, data are collected on the first and most recent marriages. In Waves 4 and 5, new Respondents are asked about 3 past marriages and the current marriage. In Wave 6, new Respondents are asked about 3 past marriages. In Wave 6, an apparent skip pattern problem occurred so that the current marriage data are not collected for new Respondents who are married. This was corrected in Wave 7.

In Wave 1, partnered Respondents are asked the timing of their most recent marriage, but not how it ended. For other unmarried Respondents, the current marital status reveals how the most recent marriage ended. The ending status of up to 3 past marriages is asked. There is no maximum for the number of marriages the Respondent can report, though no more than 15 marriages are reported. If the Respondent reports more than 4 marriages, the specific ending status of additional marriages is unknown.

Except for overlap cases, the first interview for AHEAD sample members is Wave 2A. Here Respondents can report a maximum of 4 marriages (meaning 4 or more), and are asked about their current, or most recent marriage (if currently living with someone). There are some issues with the questions in this section. First, the "year married" question, which follows the marital status question, presumably is referring to the Respondent's current spouse. However, at least a couple of people may have misunderstood the question. When we compared the marriage beginning dates reported by overlap cases in HRS W1 and AHEAD W1, we found that four people, all of whom had multiple marriages, gave dates that corresponded to previous marriages. Second, Respondents who report "living with someone" are then asked if they have ever been married, and if so, what year that marriage ended. The problem with this sequence of questions is that a person can be married more than one time, in which case we assume that s/he is reporting on the most recent marriage.

For new Respondents in Wave 2H, the Respondent can report a maximum of 15 marriages. Current marital status reveals the way the most recent marriage ended. Marital history asks only how the first marriage ended, if the Respondent has more than one marriage. If the Respondent reports more than 2 marriages, the way the additional marriages ended is unknown.

For Waves 3A and 3H, new Respondents can report being married a maximum of 4 times. They are asked how the first and most recent marriages ended, if ever married. If the Respondent reports more than 2 marriages, the way the additional marriages ended is unknown.

From Wave 4 forward, new Respondents can report being married a maximum of 4 times. They are asked how the first three, and most recent, marriages ended, if ever married, for a total of up to 4 marriage end statuses. In Wave 6, because of a question skip problem, the fourth marriage information was not collected. The way the most recent marriage ended can be taken from current marital status.

HRS Variables Used

HRS 1992:

V10225	A10:CURRENT MAR STAT:IND
V225	A10:CURRENT MARR STA:IMP
V228	A10B:EVER BEEN MARRIED

V229	A10C:# OF TIMES MARRIED
V232	A10E:LAST MARR END-MO
V233	A10E:LAST MARR END-YEAR
V234	CKPT:TIMES BEEN MARRIED
V239	A11:1ST MARRIAGE
V240	A12:TOTAL TIMES MARRIED
V242	A14:MAR1:DVRCD/WDOWD/OTH
V245	A14:MAR2:DVRCD/WDOWD/OTH
V248	A14:MAR3:DVRCD/WDOWD/OTH
AHEAD 1993:	
B150	A11. R'S MARITAL STATUS
B158	A11c. LIVE TGHR: EVER MARRIED
B160	A11e. LIVE TGHR: DIVORCED OR WIDOWED
B162	A11g. DIV/WID: YEAR DIV/WID MOST RECENT
B166	A13. # OF MARRIAGES EVER
HRS 1994:	
W200	A1. Marital Status
W201	A2. Marriage Start After
W202	A3. Marriage Month
W203	A3. Marriage Year
W204	A4. Divorced/Widowed Since
W205	A5. Divorced/Widowed-Month
W206	A5. Divorced/Widowed-Year
W207	A6. Ever Been Married?
W208	A7. Number of Times Married
W210	A9. Marriage End Divorce/Widow
AHEAD 1995:	
D226	CS4.R SAME SP/P
D227	CS5.SP/P ALIVE
D228	CS6.MO/YR SEPARATE/DIE
D229	CS6A.YEAR SEPARATE/DIE
D240	CS11.R-WHERE LIVE
D241	CS12.COUPLE LIVE TOGETHER
D247	CS15.MO/YR ST LIVE W/NEW SP/P
D248	CS15A.YEAR ST LIVE W/NEW SP/P
D676	A21.L-EVER MARRIED
D677	A21A.# MARRIAGES
D680	A22B.FIRST MAR-END DIV/WID
D684	A23B.RECENT MAR-END DIV/WID
D739	A40.POST W1 MARRIAGE START
D741	A40A.POST W1 MARRIAGE MO
D742	A40C.YEAR
D746	A41.POST W1 DIV/SWIDOWED
D747	A41A.POST W1 DIV/WIDOW MOR
D748	A41B.YEAR
DMSTATR	HRS 95: Marital Status (w/ partnered)
HRS 1996:	
E226	CS4.R SAME SP/P
E227	CS5.SP/P ALIVE
E228	CS6.MO/YR SEPARATE/DIE
E229	CS6A.YEAR SEPARATE/DIE
E247	CS15.MO/YR ST LIVE W/NEW SP/P
E248	CS15A.YEAR ST LIVE W/NEW SP/P
E256A	MARRIAGE STATUS - CORRECTED
E676	A21.L-EVER MARRIED
E677	A21A.# MARRIAGES
E680	A22B.FIRST MAR-END DIV/WID
E684	A23B.RECENT MAR-END DIV/WID
E739	A40.POST W1 MARRIAGE START

E741	A40A.POST W1 MARRIAGE MO
E742	A40C.YEAR
E746	A41.POST W1 DIV/SWIDOWED
E747	A41A.POST W1 DIV/WIDOW MOR
E748	A41B.YEAR
E750	A42.FIRST MARRIAGE ENDED
HRS 1998:	
F1059	A40.POST W1 MARRIAGE START
F1061	A40A.POST W1 MARRIAGE MO
F1062	A40C.YEAR
F1066	A41.POST W1 DIV/WIDOWED
F1067	A41A.POST W1 DIV/WIDOW MOR
F1068	A41B.YEAR
F1071	A43A.MARITAL STATUS, ASSIGNED
F1072	A44.# MARRIAGES
F1073	A45.FIRST MAR-YR BEGIN
F1074	A45A.FIRST MAR-MON BEGIN
F1075	A45B.FIRST MAR-END DIV/WID
F1079	A46B.SECOND MAR-END DIV/WID
F1083	A47B.THIRD MAR-END DIV/WID
F1087	A48B.RECENT MAR-END DIV/WID
F502	CS4.1ST R SAME SPOUSE/P
F504	CS5.PRELOAD SPOUSE/P ALIVE
F506	CS6A.YEAR SEPARATE/DIE
F526	CS15MO./YR S/P START LIVE TOGETHER
F527	CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2000:	
G1146	A40.POST W1 MARRIAGE START
G1148	A40A.POST W1 MARRIAGE MO
G1149	A40C.YEAR
G1153	A41.POST W1 DIV/WIDOWED
G1154	A41A.POST W1 DIV/WIDOW MOR
G1155	A41B.YEAR
G1158	A43A.MARITAL STATUS_ASSIGNED
G1159	A44.# MARRIAGES
G1160	A45.FIRST MAR-YR BEGIN
G1161	A45A.FIRST MAR-MON BEGIN
G1162	A45B.FIRST MAR-END DIV/WID
G1166	A46B.SECOND MAR-END DIV/WID
G1170	A47B.THIRD MAR-END DIV/WID
G1174	A48B.RECENT MAR-END DIV/WID
G543	CS4.1ST R SAME SPOUSE/P
G545	CS5.PRELOAD SPOUSE/P ALIVE
G547	CS6A.YEAR SEPARATE/DIE
G567	CS15MO./YR S/P START LIVE TOGETHER
G568	CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2002:	
HMARITAL	MARITAL STATUS
HRS 2002-2016:	
xA020	1ST R SAME SP/P
xA023	PREVIOUS WAVE SP/P ALIVE
xA025	YEAR COUPLE STOPPED LIVE TOGETHER/DIE
xA036	MO STARTED LIVING WITH NEW SP/P
xA037	YEAR STARTED LIVING WITH NEW SP/P
xB055	NEW MARRIAGE SINCE PREVIOUS WAVE
xB056	BETWEEN WAVE MARRIAGE START-MONTH
xB057	BETWEEN WAVE MARRIAGE START-YEAR
xB058	DIVORCE/WIDOW SINCE PREVIOUS WAVE
xB059	BETWEEN WAVE DIVORCE/WIDOW-MONTH

xB060	BETWEEN WAVE DIVORCE/WIDOW-YEAR
xB065	NUMBER OF MARRIAGES
xB066_1	FIRST MARRIAGE YEAR BEGAN
xB067_1	FIRST MARRIAGE MONTH BEGAN
xB068_1	FIRST MARRIAGE END DIVORCE/WIDOW
xB068_2	SECOND MARRIAGE END DIVORCE/WIDOW
xB068_3	THIRD MARRIAGE END DIVORCE/WIDOW
xPN_SP	2002 SPOUSE/PARTNER PERSON NUMBER
xSUBHH	2002 SUB-HOUSEHOLD IDENTIFIER
Tracker:	
xALIVE	1992-2016 VITAL STATUS
xIWTYPE	1992-2016 INTERVIEW TYPE
xPPN	1992-2016 SPOUSE-PARTNER PERSON NUMBER

Length of current and longest marriage

Wave	Variable Name	Variable Label	Type
1	R1MCURLN	R1MCURLN:W1 R length of current marriage	Cont
2	R2MCURLN	R2MCURLN:W2 R length of current marriage	Cont
3	R3MCURLN	R3MCURLN:W3 R length of current marriage	Cont
4	R4MCURLN	R4MCURLN:W4 R length of current marriage	Cont
5	R5MCURLN	R5MCURLN:W5 R length of current marriage	Cont
6	R6MCURLN	R6MCURLN:W6 R length of current marriage	Cont
7	R7MCURLN	R7MCURLN:W7 R length of current marriage	Cont
8	R8MCURLN	R8MCURLN:W8 R length of current marriage	Cont
9	R9MCURLN	R9MCURLN:W9 R length of current marriage	Cont
10	R10MCURLN	R10MCURLN:W10 R length of current marriage	Cont
11	R11MCURLN	R11MCURLN:W11 R length of current marriage	Cont
12	R12MCURLN	R12MCURLN:W12 R length of current marriage	Cont
13	R13MCURLN	R13MCURLN:W13 R length of current marriage	Cont
1	S1MCURLN	S1MCURLN:W1 S length of current marriage	Cont
2	S2MCURLN	S2MCURLN:W2 S length of current marriage	Cont
3	S3MCURLN	S3MCURLN:W3 S length of current marriage	Cont
4	S4MCURLN	S4MCURLN:W4 S length of current marriage	Cont
5	S5MCURLN	S5MCURLN:W5 S length of current marriage	Cont
6	S6MCURLN	S6MCURLN:W6 S length of current marriage	Cont
7	S7MCURLN	S7MCURLN:W7 S length of current marriage	Cont
8	S8MCURLN	S8MCURLN:W8 S length of current marriage	Cont
9	S9MCURLN	S9MCURLN:W9 S length of current marriage	Cont
10	S10MCURLN	S10MCURLN:W10 S length of current marriage	Cont
11	S11MCURLN	S11MCURLN:W11 S length of current marriage	Cont
12	S12MCURLN	S12MCURLN:W12 S length of current marriage	Cont
13	S13MCURLN	S13MCURLN:W13 S length of current marriage	Cont
1	R1MLEN	R1MLEN:W1 R length of longest marriage	Cont
2	R2MLEN	R2MLEN:W2 R length of longest marriage	Cont
3	R3MLEN	R3MLEN:W3 R length of longest marriage	Cont
4	R4MLEN	R4MLEN:W4 R length of longest marriage	Cont
5	R5MLEN	R5MLEN:W5 R length of longest marriage	Cont
6	R6MLEN	R6MLEN:W6 R length of longest marriage	Cont
7	R7MLEN	R7MLEN:W7 R length of longest marriage	Cont
8	R8MLEN	R8MLEN:W8 R length of longest marriage	Cont
9	R9MLEN	R9MLEN:W9 R length of longest marriage	Cont
10	R10MLEN	R10MLEN:W10 R length of longest marriage	Cont
11	R11MLEN	R11MLEN:W11 R length of longest marriage	Cont
12	R12MLEN	R12MLEN:W12 R length of longest marriage	Cont
13	R13MLEN	R13MLEN:W13 R length of longest marriage	Cont
1	S1MLEN	S1MLEN:W1 S length of longest marriage	Cont
2	S2MLEN	S2MLEN:W2 S length of longest marriage	Cont
3	S3MLEN	S3MLEN:W3 S length of longest marriage	Cont
4	S4MLEN	S4MLEN:W4 S length of longest marriage	Cont
5	S5MLEN	S5MLEN:W5 S length of longest marriage	Cont
6	S6MLEN	S6MLEN:W6 S length of longest marriage	Cont
7	S7MLEN	S7MLEN:W7 S length of longest marriage	Cont
8	S8MLEN	S8MLEN:W8 S length of longest marriage	Cont
9	S9MLEN	S9MLEN:W9 S length of longest marriage	Cont
10	S10MLEN	S10MLEN:W10 S length of longest marriage	Cont
11	S11MLEN	S11MLEN:W11 S length of longest marriage	Cont
12	S12MLEN	S12MLEN:W12 S length of longest marriage	Cont
13	S13MLEN	S13MLEN:W13 S length of longest marriage	Cont
1	R1MLENM	R1MLENM:W1 R # marriage lengths missng	Cont
2	R2MLENM	R2MLENM:W2 R # marriage lengths missng	Cont
3	R3MLENM	R3MLENM:W3 R # marriage lengths missng	Cont
4	R4MLENM	R4MLENM:W4 R # marriage lengths missng	Cont
5	R5MLENM	R5MLENM:W5 R # marriage lengths missng	Cont
6	R6MLENM	R6MLENM:W6 R # marriage lengths missng	Cont
7	R7MLENM	R7MLENM:W7 R # marriage lengths missng	Cont
8	R8MLENM	R8MLENM:W8 R # marriage lengths missng	Cont
9	R9MLENM	R9MLENM:W9 R # marriage lengths missng	Cont
10	R10MLENM	R10MLENM:W10 R # marriage lengths missng	Cont

11	R11MLENM	R11MLENM:W11 R # marriage lengths missng	Cont
12	R12MLENM	R12MLENM:W12 R # marriage lengths missng	Cont
13	R13MLENM	R13MLENM:W13 R # marriage lengths missng	Cont
1	S1MLENM	S1MLENM:W1 S # marriage lengths missng	Cont
2	S2MLENM	S2MLENM:W2 S # marriage lengths missng	Cont
3	S3MLENM	S3MLENM:W3 S # marriage lengths missng	Cont
4	S4MLENM	S4MLENM:W4 S # marriage lengths missng	Cont
5	S5MLENM	S5MLENM:W5 S # marriage lengths missng	Cont
6	S6MLENM	S6MLENM:W6 S # marriage lengths missng	Cont
7	S7MLENM	S7MLENM:W7 S # marriage lengths missng	Cont
8	S8MLENM	S8MLENM:W8 S # marriage lengths missng	Cont
9	S9MLENM	S9MLENM:W9 S # marriage lengths missng	Cont
10	S10MLENM	S10MLENM:W10 S # marriage lengths missng	Cont
11	S11MLENM	S11MLENM:W11 S # marriage lengths missng	Cont
12	S12MLENM	S12MLENM:W12 S # marriage lengths missng	Cont
13	S13MLENM	S13MLENM:W13 S # marriage lengths missng	Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MCURLN	10211	27.47	11.10	0.0	53.2
R2MCURLN	13550	34.50	14.65	0.1	77.0
R3MCURLN	12216	35.50	14.70	0.0	75.3
R4MCURLN	14234	35.16	14.97	0.0	74.4
R5MCURLN	12717	36.00	15.13	0.0	75.2
R6MCURLN	11423	36.99	15.36	0.0	74.7
R7MCURLN	12774	34.86	16.02	0.0	76.2
R8MCURLN	11453	36.03	16.30	0.0	76.2
R9MCURLN	10425	36.84	16.46	0.0	78.4
R10MCURLN	13283	33.15	16.76	0.0	75.3
R11MCURLN	12049	34.06	16.88	0.0	76.5
R12MCURLN	10679	34.67	16.90	0.0	78.9
R13MCURLN	11798	32.18	16.90	0.0	74.5
S1MCURLN	9556	27.51	11.08	0.0	53.2
S2MCURLN	12710	34.60	14.57	0.1	77.0
S3MCURLN	11601	35.75	14.55	0.0	75.3
S4MCURLN	13466	35.37	14.90	0.0	74.4
S5MCURLN	12233	36.18	15.02	0.0	75.2
S6MCURLN	11045	37.17	15.25	0.0	74.7
S7MCURLN	12205	35.21	15.90	0.0	76.2
S8MCURLN	10989	36.31	16.18	0.0	73.5
S9MCURLN	9927	37.23	16.28	0.0	72.7
S10MCURLN	12293	33.71	16.75	0.0	75.3
S11MCURLN	11235	34.54	16.82	0.0	76.5
S12MCURLN	9876	35.26	16.83	0.0	78.9
S13MCURLN	10473	33.04	16.92	0.0	74.5
R1MLEN	12652	26.31	11.11	0.0	53.2
R2MLEN	19642	32.31	15.73	0.0	79.0
R3MLEN	17991	33.33	15.79	0.0	79.0
R4MLEN	21384	33.03	15.92	0.0	79.0
R5MLEN	19578	33.87	16.03	0.0	77.0
R6MLEN	18165	34.53	16.32	0.0	77.0
R7MLEN	20129	32.59	16.85	0.0	76.2
R8MLEN	18469	33.48	17.12	0.0	78.3
R9MLEN	17217	34.08	17.35	0.0	78.4
R10MLEN	22034	29.77	17.94	0.0	80.8

R11MLEN	20554	30.24	18.19	0.0	76.5
R12MLEN	18747	30.55	18.34	0.0	78.9
R13MLEN	20912	27.69	18.36	0.0	79.7
S1MLEN	9900	28.51	9.58	0.0	53.2
S2MLEN	13090	34.86	13.83	0.0	77.0
S3MLEN	11917	36.16	13.65	0.0	75.3
S4MLEN	13980	35.84	13.84	0.0	74.4
S5MLEN	12730	36.69	13.87	0.0	75.2
S6MLEN	11639	37.57	14.17	0.0	74.7
S7MLEN	12972	35.50	15.03	0.0	76.2
S8MLEN	11735	36.57	15.32	0.0	73.5
S9MLEN	10646	37.42	15.45	0.0	72.7
S10MLEN	13513	33.19	16.48	0.0	75.3
S11MLEN	12488	33.73	16.70	0.0	76.5
S12MLEN	11012	34.20	16.86	0.0	78.9
S13MLEN	11779	31.78	17.00	0.0	74.5
R1MLENM	12652	0.04	0.26	0.0	11.0
R2MLENM	19642	0.15	0.44	0.0	11.0
R3MLENM	17991	0.14	0.43	0.0	11.0
R4MLENM	21384	0.11	0.38	0.0	11.0
R5MLENM	19578	0.10	0.37	0.0	11.0
R6MLENM	18165	0.10	0.36	0.0	5.0
R7MLENM	20129	0.08	0.33	0.0	5.0
R8MLENM	18469	0.08	0.32	0.0	5.0
R9MLENM	17217	0.08	0.32	0.0	5.0
R10MLENM	22034	0.06	0.27	0.0	5.0
R11MLENM	20554	0.06	0.27	0.0	5.0
R12MLENM	18747	0.06	0.27	0.0	5.0
R13MLENM	20912	0.05	0.24	0.0	4.0
S1MLENM	9900	0.03	0.21	0.0	6.0
S2MLENM	13090	0.11	0.39	0.0	6.0
S3MLENM	11917	0.11	0.38	0.0	6.0
S4MLENM	13980	0.08	0.32	0.0	5.0
S5MLENM	12730	0.07	0.31	0.0	5.0
S6MLENM	11639	0.08	0.31	0.0	5.0
S7MLENM	12972	0.06	0.29	0.0	5.0
S8MLENM	11735	0.06	0.28	0.0	5.0
S9MLENM	10646	0.06	0.27	0.0	4.0
S10MLENM	13513	0.04	0.23	0.0	4.0
S11MLENM	12488	0.05	0.23	0.0	4.0
S12MLENM	11012	0.05	0.24	0.0	4.0
S13MLENM	11779	0.04	0.22	0.0	3.0

How Constructed

RwMCURLN-length of the current marriage in years, RwMLEN-the length of the longest marriage up through Wave "w," and RwMLENM-number of marriage lengths which are unknown are assigned by looking at marital history dates, marital events, and marriage status.

At the first interview, the date the most recent marriage began is asked. This date is kept across interviews until the marriage ends in divorce or widowhood. If the Respondent begins a new marriage, the current marriage begin date is reset to reflect this. Data are not collected on all marriages: up to four previous marriages if the Respondent enters the HRS in Waves 1, 4, 5, or 7 forward; up to three

previous marriages if the Respondent enters the study in Wave 6; or up to two previous marriages if the Respondent enters in Waves 2H or 3. If the first interview is Wave 2A, there is information on at most one previous marriage. If the Respondent gives a marriage date or length that indicates being married before age 12, the dates or length are treated as missing, depending on what information is provided.

The spouse's information is examined, if available, to fill missing current marriage begin dates if they are missing from the retrospective marriage history at a Respondent's first interview. This step is introduced to address the skip pattern problem in Wave 6, where no current marriage begin dates were collected for married new interviewees. The problem was corrected in Wave 7.

Missing dates in the marriage history data are abundant. For marital events between interviews, there is about a 2 year range when they can occur. If dates are missing for between interview events, they are estimated based on interview and other marriage dates so as to compare lengths of marriages.

If the Respondent is married (or separated) at the interview, the length of the current marriage is calculated as the time from the marriage begin date to the interview end date. Separations are treated as continuing marriages. If the Respondent is unmarried, RwMCURLN is missing.

The spouse's variables are taken from the Wave "w" spouse's variables, i.e., from the Wave "w" spouse's RwMCURLN, RwMLEN, and RwMLENM. These spouse variables are set to .U if the Respondent is unmarried or unpartnered and are set to .V if the Respondent's spouse or partner did not respond in a given wave.

Cross Wave Differences in Original HRS Data

The asking and coding of marital status differs from wave to wave. In Waves 1 and 2H, Respondents are specifically asked their marital status as married, partnered, separated, divorced, widowed or never married. The marital status in the public use data also includes a "Married, spouse absent" status that is split between those whose spouse is in a nursing home, and those whose spouse is not institutionalized. In Wave 2A, a single item is used to assess marital status. Response categories include married (spouse present), married (spouse absent), living with someone, separated/divorced, widowed, and never married. The separated and divorced categories are not coded separately.

In Wave 3H, the Respondent is not asked marital status; it is derived from preloaded marital status and a series of questions in the cover sheet section. There is a "corrected" marital status included in the Wave 3H public use data. In addition, the separated and divorced statuses are not coded separately. In Waves 1, 2, and 3H, partnership overrides any other marital status. Marital status in Wave 3A is also derived using questions from the cover sheet section. The separated and divorced statuses are in a single category, and partnership overrides any other marital status.

Beginning in Wave 4, all partnered and unmarried single Respondents are asked marital status. Through Wave 6, the status must be an unmarried status, treating separated as an unmarried category apart from divorced. Beginning in Wave 7, married or annulled may be coded, in addition to the unmarried statuses. Marital status in the raw data is set to married or separated for Respondents determined to have these statuses from cover sheet section questions.

The cover sheet section sequence of questions that lead to a marital status and determination of "coupleness," are included in the data starting in Wave 3. These questions are examined to help set the cleaned marital status. Included in the cover sheet questions are dates for when a spouse died or separated, and when the Respondent started living with a new spouse or partner.

Respondents who have an unmarried to married transition between interviews, or vice versa, are asked about marriages and ends of marriages (divorce or widowhood) that may have occurred between interviews at all waves after the initial interview in which a Respondent appears. If a marriage, divorce, or widowhood is reported, the month and year of the event is asked.

Marriage history is asked of individuals at the first interview to which they respond. The questions generally proceed from current marital status and ask the number of marriages, the date the first and most recent marriage began, and either the length or end date of those marriages. For previous marriages, questions ask how it ended.

The skip pattern and amount of marital history information gathered varies from wave to wave. In Wave 1, data are collected

on three past marriages, and the current or most recent marriage. For new Respondents in Wave 2H, data are collected only about the first marriage. For new Respondents in Wave 3H, data are collected on the first and most recent marriages. In Waves 4 and 5, new Respondents are asked about three past marriages and the current marriage. In Wave 6, new Respondents are asked about three past marriages. In Wave 6, an apparent skip pattern problem occurred so that the current marriage data were not collected for new Respondents who were married. This was corrected in Wave 7 so that information on the current and three past marriages is collected.

In Wave 1, there is no maximum for the number of marriages the Respondent can report. If the Respondent reports more than four marriages, then all information about at least some marriages will be completely missing. The beginning and end month of the current or most recent marriage are asked. For past marriages, only the year is obtained.

Except for overlap cases, the first interview for AHEAD sample members is Wave 2A. Here Respondents can report a maximum of four marriages (meaning four or more), and are asked for details about only their current, or most recent marriage (if currently living with someone). There are some issues with the questions in this section. First, the "year married" question, which follows the marital status question, presumably is referring to the Respondent's current spouse. However, at least a couple of people may have misunderstood the question. When we compared the marriage beginning dates reported by overlap cases in HRS W1 and AHEAD W1, we found that four people, all of whom had multiple marriages, gave dates that corresponded to previous marriages. Second, Respondents who report "living with someone" are then asked if they have ever been married, and if so, what year that marriage ended. The problem with this sequence of questions is that a person can be married more than one time, in which case we assume that s/he is reporting on the most recent marriage. For those not married, then the year the marriage ended and the length of the marriage are ascertained.

For new Respondents in Wave 2H, the Respondent can report a maximum of 15 marriages. The begin and end year of the first marriage is asked if the Respondent reports more than one marriage. If the Respondent only reports one marriage, the begin month and, if applicable, end month of the most recent marriage are only asked if the event occurred between interviews. If the Respondent reports more than two marriages, the information about any except the first, and perhaps the most recent, marriage will be completely missing.

For Waves 3A and 3H, new Respondents can report being married a maximum of four times. They are asked the year when the first and most recent marriages began. If a begin year is after 1992, the month of marriage is also asked. If the marriage ended, the Respondent is asked how many years it lasted. If the Respondent reports more than two marriages, the information about any besides the first and most recent is completely missing.

From Wave 4 forward, new Respondents can report a maximum of four marriages. They are asked the month and year the first three and most recent marriages began and how many years each marriage lasted. In these waves there can be information about up to four marriages, which is the maximum number of marriages that can be reported, so all known marriages are inquired about. In Wave 6, because of a question skip pattern problem, the fourth marriage information was not collected. The month and year that the current marriage began is missing for all new interviewees who were newly married. The month and year of the fourth marriage is missing for those with four marriages.

HRS Variables Used

HRS 1992:

V10225	A10:CURRENT MAR STAT:IND
V225	A10:CURRENT MARR STA:IMP
V226	A10A:DATE MARRIED-MONTH
V227	A10A:DATE MARRIED-YEAR
V228	A10B:EVER BEEN MARRIED
V230	A10D:LAST MARR BEGIN-MO
V233	A10E:LAST MARR END-YEAR
V234	CKPT:TIMES BEEN MARRIED
V235	A10G:END LAST MARR-MONTH
V236	A10G:END LAST MARR-YR
V237	A10H:BEGIN LAST MARR-MO
V238	A10H:BEGIN LAST MARR-YR
V239	A11:1ST MARRIAGE
V240	A12:TOTAL TIMES MARRIED
V241	A13:MARR1:YEAR BEGAN

V242	A14:MAR1:DVRCD/WDOWD/OTH
V243	A15:MAR1:YEAR ENDED
V244	A13:MAR2:YEAR BEGAN
V245	A14:MAR2:DVRCD/WDOWD/OTH
V246	A15:MAR2:YEAR ENDED
V247	A13:MAR3:YEAR BEGAN
V249	A15:MAR3:YEAR ENDED
AHEAD 1993:	
B150	A11. R'S MARITAL STATUS
B156	A11a. YEAR MARRIED
B158	A11c. LIVE TGHR: EVER MARRIED
B159	A11d. LIVE TGHR: YEAR MARRIAGE ENDED
B160	A11e. LIVE TGHR: DIVORCED OR WIDOWED
B161	A11f. LIVE TGHR: YRS MARRIED MOST RECENT
B162	A11g. DIV/WID: YEAR DIV/WID MOST RECENT
B163	A11h. DIV/WID: YEARS MARRIED MOST RECENT
B166	A13. # OF MARRIAGES EVER
HRS 1994:	
W200	A1. Marital Status
W201	A2. Marriage Start After
W202	A3. Marriage Month
W203	A3. Marriage Year
W204	A4. Divorced/Widowed Since
W205	A5. Divorced/Widowed-Month
W206	A5. Divorced/Widowed-Year
W207	A6. Ever Been Married?
W208	A7. Number of Times Married
W209	A8. 1st Marriage-Year Begin
W210	A9. Marriage End Divorce/Widow
W211	A10. 1st Marriage-Year End
AHEAD 1995:	
D226	CS4.R SAME SP/P
D227	CS5.SP/P ALIVE
D228	CS6.MO/YR SEPARATE/DIE
D229	CS6A.YEAR SEPARATE/DIE
D247	CS15.MO/YR ST LIVE W/NEW SP/P
D248	CS15A.YEAR ST LIVE W/NEW SP/P
D676	A21.L-EVER MARRIED
D677	A21A.# MARRIAGES
D678	A22.FIRST MAR-YR BEGIN
D679	A22A. FIRST MAR-MO BEGIN
D680	A22B.FIRST MAR-END DIV/WID
D681	A22C.FIRST MAR-YRS MARRIED
D682	A23.RECENT MAR-YR BEGIN
D683	A23A. RECENT MAR-MO BEGIN
D684	A23B.RECENT MAR-END DIV/WID
D685	A23C.RECENT MAR-YRS MARRIED
D739	A40.POST W1 MARRIAGE START
D741	A40A.POST W1 MARRIAGE MO
D742	A40C.YEAR
D746	A41.POST W1 DIV/SWIDOWED
D747	A41A.POST W1 DIV/WIDOW MOR
D748	A41B.YEAR
DMSTATR	HRS 95: Marital Status (w/ partnered)
HRS 1996:	
E226	CS4.R SAME SP/P
E227	CS5.SP/P ALIVE
E228	CS6.MO/YR SEPARATE/DIE
E229	CS6A.YEAR SEPARATE/DIE

E247	CS15.MO/YR ST LIVE W/NEW SP/P
E248	CS15A.YEAR ST LIVE W/NEW SP/P
E256A	MARRIAGE STATUS - CORRECTED
E676	A21.L-EVER MARRIED
E677	A21A.# MARRIAGES
E678	A22.FIRST MAR-YR BEGIN
E679	A22A.FIRST MAR-MO BEGIN
E680	A22B.FIRST MAR-END DIV/WID
E681	A22C.FIRST MAR-YRS MARRIED
E682	A23.RECENT MAR-YR BEGIN
E683	A23A.RECENT MAR-MO BEGIN
E684	A23B.RECENT MAR-END DIV/WID
E685	A23C.RECENT MAR-YRS MARRIED
E739	A40.POST W1 MARRIAGE START
E741	A40A.POST W1 MARRIAGE MO
E742	A40C.YEAR
E746	A41.POST W1 DIV/SWIDOWED
E747	A41A.POST W1 DIV/WIDOW MOR
E748	A41B.YEAR
E750	A42.FIRST MARRIAGE ENDED
HRS 1998:	
F1059	A40.POST W1 MARRIAGE START
F1061	A40A.POST W1 MARRIAGE MO
F1062	A40C.YEAR
F1066	A41.POST W1 DIV/WIDOWED
F1067	A41A.POST W1 DIV/WIDOW MOR
F1068	A41B.YEAR
F1071	A43A.MARITAL STATUS, ASSIGNED
F1072	A44.# MARRIAGES
F1073	A45.FIRST MAR-YR BEGIN
F1074	A45A.FIRST MAR-MON BEGIN
F1075	A45B.FIRST MAR-END DIV/WID
F1076	A45C.FIRST MAR-YRS MARRIED
F1077	A46.SECOND MAR-YR BEGIN
F1078	A46A.SECOND MAR-MON BEGIN
F1079	A46B.SECOND MAR-END DIV/WID
F1080	A46C.SECOND MAR-YRS MARRIED
F1081	A47.THIRD MAR-YR BEGIN
F1082	A47A.THIRD MAR-MON BEGIN
F1084	A47C.THIRD MAR-YRS MARRIED
F1085	A48.RECENT MAR-YR BEGIN
F1087	A48B.RECENT MAR-END DIV/WID
F1088	A48C.RECENT MAR-YRS MARRIED
F502	CS4.1ST R SAME SPOUSE/P
F504	CS5.PRELOAD SPOUSE/P ALIVE
F506	CS6A.YEAR SEPARATE/DIE
F526	CS15MO./YR S/P START LIVE TOGETHER
F527	CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2000:	
G1146	A40.POST W1 MARRIAGE START
G1148	A40A.POST W1 MARRIAGE MO
G1149	A40C.YEAR
G1153	A41.POST W1 DIV/WIDOWED
G1154	A41A.POST W1 DIV/WIDOW MOR
G1155	A41B.YEAR
G1158	A43A.MARITAL STATUS_ASSIGNED
G1159	A44.# MARRIAGES
G1160	A45.FIRST MAR-YR BEGIN
G1161	A45A.FIRST MAR-MON BEGIN

G1162	A45B.FIRST MAR-END DIV/WID
G1163	A45C.FIRST MAR-YRS MARRIED
G1164	A46.SECOND MAR-YR BEGIN
G1165	A46A.SECOND MAR-MON BEGIN
G1166	A46B.SECOND MAR-END DIV/WID
G1167	A46C.SECOND MAR-YRS MARRIED
G1168	A47.THIRD MAR-YR BEGIN
G1169	A47A.THIRD MAR-MON BEGIN
G1171	A47C.THIRD MAR-YRS MARRIED
G1172	A48.RECENT MAR-YR BEGIN
G1174	A48B.RECENT MAR-END DIV/WID
G1175	A48C.RECENT MAR-YRS MARRIED
G543	CS4.1ST R SAME SPOUSE/P
G545	CS5.PRELOAD SPOUSE/P ALIVE
G547	CS6A.YEAR SEPARATE/DIE
G567	CS15MO./YR S/P START LIVE TOGETHER
G568	CS15YR.YEAR ST LIVE W/NEW SP/P
HRS 2002:	
HMARITAL	MARITAL STATUS
HRS 2002-2016:	
xA020	1ST R SAME SP/P
xA023	PREVIOUS WAVE SP/P ALIVE
xA025	YEAR COUPLE STOPPED LIVE TOGETHER/DIE
xA036	MO STARTED LIVING WITH NEW SP/P
xA037	YEAR STARTED LIVING WITH NEW SP/P
xB055	NEW MARRIAGE SINCE PREVIOUS WAVE
xB056	BETWEEN WAVE MARRIAGE START-MONTH
xB057	BETWEEN WAVE MARRIAGE START-YEAR
xB058	DIVORCE/WIDOW SINCE PREVIOUS WAVE
xB059	BETWEEN WAVE DIVORCE/WIDOW-MONTH
xB060	BETWEEN WAVE DIVORCE/WIDOW-YEAR
xB065	NUMBER OF MARRIAGES
xB066_1	FIRST MARRIAGE YEAR BEGAN
xB066_2	SECOND MARRIAGE YEAR BEGAN
xB066_3	THIRD MARRIAGE YEAR BEGAN
xB067_1	FIRST MARRIAGE MONTH BEGAN
xB067_2	SECOND MARRIAGE MONTH BEGAN
xB067_3	THIRD MARRIAGE MONTH BEGAN
xB068_1	FIRST MARRIAGE END DIVORCE/WIDOW
xB068_2	SECOND MARRIAGE END DIVORCE/WIDOW
xB068_3	THIRD MARRIAGE END DIVORCE/WIDOW
xB070_1	FIRST MARRIAGE-YEARS MARRIAGE
xB070_2	SECOND MARRIAGE-YEARS MARRIAGE
xB070_3	THIRD MARRIAGE-YEARS MARRIAGE
HRS 2004-2016:	
xPN_SP	2004 SPOUSE/PARTNER PERSON NUMBER
xSUBHH	2004 SUB-HOUSEHOLD IDENTIFIER
Tracker:	
xALIVE	1992-2016 VITAL STATUS
xIWTYPE	1992-2016 INTERVIEW TYPE
xPPN	1992-2016 SPOUSE-PARTNER PERSON NUMBER

Religion			
Wave	Variable Name	Variable Label	Type
1	RARELIG	RARELIG: R Religion	Categ
1	S1RELIG	S1RELIG: S Religion	Categ
2	S2RELIG	S2RELIG: S Religion	Categ
3	S3RELIG	S3RELIG: S Religion	Categ
4	S4RELIG	S4RELIG: S Religion	Categ
5	S5RELIG	S5RELIG: S Religion	Categ
6	S6RELIG	S6RELIG: S Religion	Categ
7	S7RELIG	S7RELIG: S Religion	Categ
8	S8RELIG	S8RELIG: S Religion	Categ
9	S9RELIG	S9RELIG: S Religion	Categ
10	S10RELIG	S10RELIG: S Religion	Categ
11	S11RELIG	S11RELIG: S Religion	Categ
12	S12RELIG	S12RELIG: S Religion	Categ
13	S13RELIG	S13RELIG: S Religion	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RARELIG	41906	1.68	1.05	1.0	5.0
S1RELIG	10101	1.49	0.81	1.0	5.0
S2RELIG	13412	1.51	0.85	1.0	5.0
S3RELIG	12146	1.51	0.85	1.0	5.0
S4RELIG	14305	1.53	0.87	1.0	5.0
S5RELIG	12911	1.53	0.87	1.0	5.0
S6RELIG	11740	1.53	0.88	1.0	5.0
S7RELIG	13171	1.58	0.92	1.0	5.0
S8RELIG	11898	1.57	0.92	1.0	5.0
S9RELIG	10850	1.58	0.92	1.0	5.0
S10RELIG	13882	1.71	1.06	1.0	5.0
S11RELIG	12809	1.71	1.06	1.0	5.0
S12RELIG	11345	1.73	1.07	1.0	5.0
S13RELIG	12081	1.83	1.16	1.0	5.0

Categorical Variable Codes

RARELIG: R Religion											
Value											
.D=DK	|										40
.M=Oth missing	|										69
.R=RF	|										37
1.Protestant	|										24959
2.Catholic	|										11242
3.Jewish	|										838
4.None/no pref	|										3756
5.Other	|										1111

SwRELIG: Religion											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	5	3	4	8	7	7	11	9	11	11
.M=Oth missing	|	14	49	41	35	35	35	33	34	29	25
.R=RF	|		1	2	2	1	4	7	5	5	10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	159	209	141	166	87	73	130	106	116	307
1.Protestant	|	6523	8619	7812	9124	8195	7445	8118	7388	6715	8003
2.Catholic	|	2845	3638	3280	3898	3551	3241	3690	3294	3008	3988
3.Jewish	|	185	378	352	360	312	264	284	250	226	218
4.None/no pref	|	468	636	568	762	702	651	937	840	777	1321
5.Other	|	80	141	134	161	151	139	142	126	124	352

Value		w11	w12	w13
.D=DK	|	9	8	14
.M=Oth missing	|	18	16	13
.R=RF	|	10	9	10
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	234	244	770
1.Protestant	|	7340	6417	6533
2.Catholic	|	3707	3321	3494
3.Jewish	|	196	171	160
4.None/no pref	|	1236	1119	1401
5.Other	|	330	317	493

How Constructed

This variable is assigned by looking at all waves of data for the first non-missing values. The Wave 1 and 2H values are recoded to 5 categories in order to be compatible with the codes from Wave 3H forward, and for the AHEAD sample, from Wave 2A forward. The broader categories used for Waves 1 and 2H are: Protestant (including 'non-traditional Christian'), Catholic, Jewish, none or no preference, and other.

From Wave 3H forward, the HRS variable is simply recoded for missing values. The same is true for Wave 2A forward.

The spouse variable SwRELIG is taken from the Wave "w" spouse's self-reported data, i.e., from the spouse's RARELIG variable.

Cross Wave Differences in Original HRS Data

In Wave 1 the questions on religious preference are asked as follows:

"What is your religious preference: Protestant, Roman Catholic, Jewish, or something else?"

"What denomination is that?"

From Wave 2 forward, the wording of the first question is slightly different:

"What is your religious preference; is it Protestant, Catholic, Jewish, some other religion, or do you have no preference?"

In Waves 1 and 2H, the resulting variable codes only the "denomination," but the codebook lists them in broader groupings: Protestant, Catholic, Jewish, non-traditional Christian (e.g., Quakers, Latter Day Saints), non-Judeo-Christian (e.g., Hindu, Islam), no religion, and other (e.g., Jewish and Catholic, or Catholic summers / Lutheran winters).

From Wave 3H forward, and for the AHEAD sample, from Wave 2A forward, the resulting variable appears to be based on the first question with only 5 codes: Protestant, Catholic, Jewish, No Preference, and Other.

HRS Variables Used

HRS 1992:	
V214	A6:RELIGIOUS PREFERENCE
AHEAD 1993:	
B134	A6. R'S RELIGION
HRS 1994:	
W226	A14(a). Religious Preference
AHEAD 1995:	
D732	A36.R RELIGIOUS PREF
HRS 1996:	
E732	A36.R RELIGIOUS PREF
HRS 1998:	
F1052	A36.R RELIGIOUS PREF
HRS 2000:	
G1139	A36.R RELIGIOUS PREF
HRS 2002-2016:	
xB050	R RELIGIOUS PREFERENCE

Veteran status

Wave	Variable Name	Variable Label	Type
1	RAVETR	RAVETR: R Veteran Status	Categ
1	S1VETR	S1VETR: S Veteran Status	Categ
2	S2VETR	S2VETR: S Veteran Status	Categ
3	S3VETR	S3VETR: S Veteran Status	Categ
4	S4VETR	S4VETR: S Veteran Status	Categ
5	S5VETR	S5VETR: S Veteran Status	Categ
6	S6VETR	S6VETR: S Veteran Status	Categ
7	S7VETR	S7VETR: S Veteran Status	Categ
8	S8VETR	S8VETR: S Veteran Status	Categ
9	S9VETR	S9VETR: S Veteran Status	Categ
10	S10VETR	S10VETR: S Veteran Status	Categ
11	S11VETR	S11VETR: S Veteran Status	Categ
12	S12VETR	S12VETR: S Veteran Status	Categ
13	S13VETR	S13VETR: S Veteran Status	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RAVETR	42005	0.20	0.40	0.0	1.0
S1VETR	10119	0.29	0.45	0.0	1.0
S2VETR	13431	0.29	0.45	0.0	1.0
S3VETR	12166	0.29	0.46	0.0	1.0
S4VETR	14331	0.29	0.46	0.0	1.0
S5VETR	12931	0.29	0.46	0.0	1.0
S6VETR	11765	0.29	0.45	0.0	1.0
S7VETR	13204	0.26	0.44	0.0	1.0
S8VETR	11927	0.26	0.44	0.0	1.0
S9VETR	10881	0.26	0.44	0.0	1.0
S10VETR	13912	0.21	0.41	0.0	1.0
S11VETR	12836	0.20	0.40	0.0	1.0
S12VETR	11369	0.19	0.39	0.0	1.0
S13VETR	12109	0.17	0.37	0.0	1.0

Categorical Variable Codes

RAVETRN: R Veteran Status		
Value		
.D=DK/NA	|	5
.M=Oth missing	|	39
.R=RF	|	3
0.No	|	33754
1.Yes	|	8251

SwVETRN: Veteran Status											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|				1	2	2	1	1	1	1
.M=Oth missing	|	4	36	29	23	20	18	16	17	12	13
.R=RF	|					1	1	1	1	1	2
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	156	207	139	161	87	73	130	106	116	307
0.No	|	7182	9504	8587	10107	9141	8343	9736	8820	8068	11009
1.Yes	|	2937	3927	3579	4224	3790	3422	3468	3107	2813	2903

Value		w11	w12	w13
.D=DK/NA	|	1	1	1
.M=Oth missing	|	8	7	7
.R=RF	|	2	2	2
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	233	243	769
0.No	|	10268	9198	10109
1.Yes	|	2568	2171	2000

How Constructed

This variable is assigned by looking at all waves of data for the first non-missing values. The first non-missing value for veteran status is used. It is coded as "1" for yes, served in the military, and "0" for no.

The spouse's R_wVETRN variable is taken from the Wave "w" spouse's self-reported veteran status, i.e., from the Wave "w" spouse's RAVETRN.

Cross Wave Differences in Original HRS Data

The question about military service is only asked at the Respondent's first interview.

In Waves 1 and 2H the question wording is:

"Have you ever been in the active military service?"

From Wave 3H forward, and from Wave 2A of the AHEAD sample forward, the question wording is:

"Have you ever served in the active military of the United States?"

HRS Variables Used

HRS 1992:	
V222	A9:EVER IN MILITARY
AHEAD 1993:	
B146	A10. MILITARY SERVICE
HRS 1994:	
W234	A17. Ever in Military
AHEAD 1995:	
D670	A10.MILITARY
HRS 1996:	
E670	A10.MILITARY
HRS 1998:	
F1008	A10.MILITARY
HRS 2000:	
G1095	A10.MILITARY
HRS 2002–2016:	
xB035	R SERVED IN MILITARY

Place of birth

Wave	Variable Name	Variable Label	Type
1	RABPLACE	RABPLACE: R Place of Birth (Cens Region)	Categ
1	S1BPLACE	S1BPLACE: S Place of Birth (Cens Region)	Categ
2	S2BPLACE	S2BPLACE: S Place of Birth (Cens Region)	Categ
3	S3BPLACE	S3BPLACE: S Place of Birth (Cens Region)	Categ
4	S4BPLACE	S4BPLACE: S Place of Birth (Cens Region)	Categ
5	S5BPLACE	S5BPLACE: S Place of Birth (Cens Region)	Categ
6	S6BPLACE	S6BPLACE: S Place of Birth (Cens Region)	Categ
7	S7BPLACE	S7BPLACE: S Place of Birth (Cens Region)	Categ
8	S8BPLACE	S8BPLACE: S Place of Birth (Cens Region)	Categ
9	S9BPLACE	S9BPLACE: S Place of Birth (Cens Region)	Categ
10	S10BPLACE	S10BPLACE: S Place of Birth (Cens Region)	Categ
11	S11BPLACE	S11BPLACE: S Place of Birth (Cens Region)	Categ
12	S12BPLACE	S12BPLACE: S Place of Birth (Cens Region)	Categ
13	S13BPLACE	S13BPLACE: S Place of Birth (Cens Region)	Categ
1	RABPLACF	RABPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
1	S1BPLACF	S1BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
2	S2BPLACF	S2BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
3	S3BPLACF	S3BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
4	S4BPLACF	S4BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
5	S5BPLACF	S5BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
6	S6BPLACF	S6BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
7	S7BPLACF	S7BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
8	S8BPLACF	S8BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
9	S9BPLACF	S9BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
10	S10BPLACF	S10BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
11	S11BPLACF	S11BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
12	S12BPLACF	S12BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ
13	S13BPLACF	S13BPLACF: Flag diff RABPLACE/USBORN(trk)	Categ

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
RABPLACE	42012	5.50	3.05	1.0	11.0
S1BPLACE	10121	5.25	2.85	1.0	11.0
S2BPLACE	13434	5.13	2.85	1.0	11.0
S3BPLACE	12168	5.14	2.85	1.0	11.0
S4BPLACE	14334	5.10	2.83	1.0	11.0
S5BPLACE	12935	5.12	2.85	1.0	11.0
S6BPLACE	11770	5.14	2.86	1.0	11.0
S7BPLACE	13206	5.23	2.94	1.0	11.0
S8BPLACE	11929	5.21	2.92	1.0	11.0
S9BPLACE	10882	5.24	2.95	1.0	11.0
S10BPLACE	13915	5.53	3.14	1.0	11.0
S11BPLACE	12838	5.58	3.15	1.0	11.0
S12BPLACE	11371	5.63	3.19	1.0	11.0
S13BPLACE	12112	5.86	3.25	1.0	11.0
RABPLACF	42052	0.00	0.07	0.0	3.0
S1BPLACF	10279	0.01	0.09	0.0	2.0
S2BPLACF	13610	0.00	0.07	0.0	2.0
S3BPLACF	12269	0.01	0.08	0.0	3.0

S4BPLACF	14454	0.00	0.07	0.0	3.0
S5BPLACF	13007	0.00	0.07	0.0	3.0
S6BPLACF	11822	0.00	0.07	0.0	3.0
S7BPLACF	13307	0.01	0.08	0.0	3.0
S8BPLACF	12001	0.00	0.07	0.0	3.0
S9BPLACF	10953	0.00	0.07	0.0	2.0
S10BPLACF	14147	0.00	0.07	0.0	2.0
S11BPLACF	12986	0.00	0.07	0.0	2.0
S12BPLACF	11521	0.00	0.07	0.0	2.0
S13BPLACF	12689	0.00	0.07	0.0	2.0

Categorical Variable Codes

RABPLACE: R Place of Birth (Cens Region)

Value	
.M=Oth missing	40
1.New England	1849
2.Mid Atlantic	5586
3.EN Central	6647
4.WN Central	3451
5.S Atlantic	7176
6.ES Central	3354
7.WS Central	4115
8.Mountain	1187
9.Pacific	2098
10.US/NA Division	774
11.Not US/inc US terr	5775

SwBPLACE: Place of Birth (Cens Region)

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	1	33	26	22	19	17	16	18	13	13
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	157	207	140	160	87	72	130	105	116	307
1.New England	408	584	517	653	598	516	605	547	495	662
2.Mid Atlantic	1423	2025	1844	2114	1903	1699	1802	1649	1463	1723
3.EN Central	1612	2308	2113	2546	2303	2143	2493	2262	2101	2434
4.WN Central	1005	1385	1279	1531	1401	1280	1403	1287	1166	1254
5.S Atlantic	1712	2081	1836	2184	1924	1724	1863	1618	1476	2217
6.ES Central	985	1176	1046	1172	1034	943	988	899	801	935
7.WS Central	1033	1384	1248	1453	1326	1198	1225	1161	1030	1233
8.Mountain	335	436	406	482	434	397	481	431	398	393
9.Pacific	494	667	622	809	715	679	834	766	708	713
10.US/NA Division	10	34	28	30	24	19	27	21	19	159
11.Not US/inc US terr	1104	1354	1229	1360	1273	1172	1485	1288	1225	2192

Value	|	w11	w12	w13
.M=Oth missing	|	8	7	6
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	234	244	770
1.New England	|	606	522	504
2.Mid Atlantic	|	1565	1387	1444
3.EN Central	|	2217	1982	1936
4.WN Central	|	1146	984	943

5.S Atlantic	|	2051	1792	1915
6.ES Central	|	890	778	822
7.WS Central	|	1094	930	972
8.Mountain	|	374	321	359
9.Pacific	|	661	593	699
10.US/NA Division	|	154	148	214
11.Not US/inc US terr	|	2080	1934	2304

RABPLACF: Flag diff RABPLACE/USBORN(trk)

Value	|	
0.No Discrepancy	|	41882
1.Trk=US/RABPLACE=Outside U	|	164
2.Trk=not US/RABPLACE=US	|	3
3.Trk=miss/RABPLACE=Valid C	|	3

SwBPLACF: ag diff RABPLACE/USBORN(trk)

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		64	65	62	34	37	45	51	58	88
0.No Discrepancy	|	10210	13554	12210	14401	12957	11772	13243	11947	10903	14088
1.Trk=US/RABPLACE=Outside U	|	67	54	57	51	48	48	61	52	49	58
2.Trk=not US/RABPLACE=US	|	2	2	1	1	1	1	1	1	1	1
3.Trk=miss/RABPLACE=Valid C	|			1	1	1	1	2	1		

Value	|	w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	94	101	199
0.No Discrepancy	|	12931	11471	12631
1.Trk=US/RABPLACE=Outside U	|	54	49	57
2.Trk=not US/RABPLACE=US	|	1	1	1
3.Trk=miss/RABPLACE=Valid C	|			

Format Reference Tables – complete variable value labels

Variables: BPLACF

.U=Unmarried
 .V=Spouse NR
 0.No Discrepancy
 1.Trk=US/RABPLACE=Outside US
 2.Trk=not US/RABPLACE=US
 3.Trk=miss/RABPLACE=Valid Census Division

How Constructed

RABPLACE indicates the Respondent's birthplace. It is assigned by looking at all waves of data for the first non-missing value. Place of birth is reported as Census Division; a code of 11 indicates not in the US, including foreign countries and U.S. territories. A code of 10 indicates in the US, but without the Census Division information.

In Wave 2A of AHEAD, the Census Division is not available; only whether the Respondent was born in the US or not. This is used to set the birthplace to code 10 or 11.

The HRS Region file also provides the Census Division of birthplace in the variable REGIONB. If RABPLACE is missing or 10, and a more specific Census Division is available from this source, we use it to fill RABPLACE.

There are some cases where REGIONB is 05, a valid Census Division, but the core data indicate that the Respondent is foreign-born (RABPLACE=11). For these cases we leave RABPLACE as coded in the core data, i.e., as foreign-born. Note that a code of 5 typically means "No" in the HRS.

We compare RABPLACE to the USBORN variable on the Tracker file and code the results in RABPLACF. There are cases where USBORN indicates that the Respondent was born in the U.S., but the birth place given in the core data and Region file is coded foreign-born. There are also cases where USBORN indicates that the Respondent was born outside the U.S., but the core and Region file indicate a U.S. Census Division. In these cases we use the birth place coded in the core data, but indicate the discrepancy in RABPLACF.

The spouse's variable SwBPLACE is taken from the Wave "w" spouse's self-reported birthplace, i.e., from the Wave "w" spouse's RABPLACE.

Cross Wave Differences in Original HRS Data

The first time a Respondent is interviewed, the HRS survey asks where s/he was born. Those born in the U.S. are asked which state, and those born outside the U.S. are asked which country.

In the public use data files, there is one variable which codes whether the Respondent is U.S.-born, and another in which the state or country of birth is masked; that is, recoded to one variable indicating the Census Region of birth, with a code for non-U.S. birthplaces.

In Wave 2A of AHEAD, only the first variable, whether the Respondent is U.S.-born, is available. In all other waves, the Census Region is also available.

There is also a variable available from the HRS Region file (REGIONB). Additionally, the Tracker file also carries a variable based on whether the Respondent reports being born in the U.S. (USBORN).

HRS Variables Used

HRS 1992:	
V205	A2AB:WHERE BORN
AHEAD 1993:	
B117	A2. BORN US?
HRS 1994:	
W216	A12a/b. State/Country of Birth
AHEAD 1995:	
D639	A2.BORN US?
D640M	A2A. REGION - US BORN
HRS 1996:	
E639	A2.BORN US?
E640M	A2A. REGION - US BORN
HRS 1998:	
F971	A2.BORN US?
F972M	A2A.REGION - US BORN
HRS 2000:	
G1060	A2.BORN US?
G1061M	A2A.REGION - US BORN
HRS 2002-2016:	
xB002	BORN IN US
xB003M	STATE BORN - MASKED
Tracker:	
USBORN	BORN IN THE U.S.
Region:	
REGIONB	CENSUS REGION-DIVISION OF BIRTH

Parental mortality

Wave	Variable Name	Variable Label	Type
1	R1MOMLIV	R1MOMLIV:W1 Mother alive	Categ
2	R2MOMLIV	R2MOMLIV:W2 Mother alive	Categ
3	R3MOMLIV	R3MOMLIV:W3 Mother alive	Categ
4	R4MOMLIV	R4MOMLIV:W4 Mother alive	Categ
5	R5MOMLIV	R5MOMLIV:W5 Mother alive	Categ
6	R6MOMLIV	R6MOMLIV:W6 Mother alive	Categ
7	R7MOMLIV	R7MOMLIV:W7 Mother alive	Categ
8	R8MOMLIV	R8MOMLIV:W8 Mother alive	Categ
9	R9MOMLIV	R9MOMLIV:W9 Mother alive	Categ
10	R10MOMLIV	R10MOMLIV:W10 Mother alive	Categ
11	R11MOMLIV	R11MOMLIV:W11 Mother alive	Categ
12	R12MOMLIV	R12MOMLIV:W12 Mother alive	Categ
13	R13MOMLIV	R13MOMLIV:W13 Mother alive	Categ
1	S1MOMLIV	S1MOMLIV:W1 Mother alive	Categ
2	S2MOMLIV	S2MOMLIV:W2 Mother alive	Categ
3	S3MOMLIV	S3MOMLIV:W3 Mother alive	Categ
4	S4MOMLIV	S4MOMLIV:W4 Mother alive	Categ
5	S5MOMLIV	S5MOMLIV:W5 Mother alive	Categ
6	S6MOMLIV	S6MOMLIV:W6 Mother alive	Categ
7	S7MOMLIV	S7MOMLIV:W7 Mother alive	Categ
8	S8MOMLIV	S8MOMLIV:W8 Mother alive	Categ
9	S9MOMLIV	S9MOMLIV:W9 Mother alive	Categ
10	S10MOMLIV	S10MOMLIV:W10 Mother alive	Categ
11	S11MOMLIV	S11MOMLIV:W11 Mother alive	Categ
12	S12MOMLIV	S12MOMLIV:W12 Mother alive	Categ
13	S13MOMLIV	S13MOMLIV:W13 Mother alive	Categ
1	R1DADLIV	R1DADLIV:W1 Father alive	Categ
2	R2DADLIV	R2DADLIV:W2 Father alive	Categ
3	R3DADLIV	R3DADLIV:W3 Father alive	Categ
4	R4DADLIV	R4DADLIV:W4 Father alive	Categ
5	R5DADLIV	R5DADLIV:W5 Father alive	Categ
6	R6DADLIV	R6DADLIV:W6 Father alive	Categ
7	R7DADLIV	R7DADLIV:W7 Father alive	Categ
8	R8DADLIV	R8DADLIV:W8 Father alive	Categ
9	R9DADLIV	R9DADLIV:W9 Father alive	Categ
10	R10DADLIV	R10DADLIV:W10 Father alive	Categ
11	R11DADLIV	R11DADLIV:W11 Father alive	Categ
12	R12DADLIV	R12DADLIV:W12 Father alive	Categ
13	R13DADLIV	R13DADLIV:W13 Father alive	Categ
1	S1DADLIV	S1DADLIV:W1 Father alive	Categ
2	S2DADLIV	S2DADLIV:W2 Father alive	Categ
3	S3DADLIV	S3DADLIV:W3 Father alive	Categ
4	S4DADLIV	S4DADLIV:W4 Father alive	Categ
5	S5DADLIV	S5DADLIV:W5 Father alive	Categ
6	S6DADLIV	S6DADLIV:W6 Father alive	Categ
7	S7DADLIV	S7DADLIV:W7 Father alive	Categ
8	S8DADLIV	S8DADLIV:W8 Father alive	Categ
9	S9DADLIV	S9DADLIV:W9 Father alive	Categ
10	S10DADLIV	S10DADLIV:W10 Father alive	Categ
11	S11DADLIV	S11DADLIV:W11 Father alive	Categ
12	S12DADLIV	S12DADLIV:W12 Father alive	Categ
13	S13DADLIV	S13DADLIV:W13 Father alive	Categ
1	R1LIVPAR	R1LIVPAR:W1 Number of living parents	Cont
2	R2LIVPAR	R2LIVPAR:W2 Number of living parents	Cont
3	R3LIVPAR	R3LIVPAR:W3 Number of living parents	Cont
4	R4LIVPAR	R4LIVPAR:W4 Number of living parents	Cont
5	R5LIVPAR	R5LIVPAR:W5 Number of living parents	Cont
6	R6LIVPAR	R6LIVPAR:W6 Number of living parents	Cont
7	R7LIVPAR	R7LIVPAR:W7 Number of living parents	Cont
8	R8LIVPAR	R8LIVPAR:W8 Number of living parents	Cont
9	R9LIVPAR	R9LIVPAR:W9 Number of living parents	Cont
10	R10LIVPAR	R10LIVPAR:W10 Number of living parents	Cont

11	R11LIVPAR	R11LIVPAR:W11 Number of living parents	Cont
12	R12LIVPAR	R12LIVPAR:W12 Number of living parents	Cont
13	R13LIVPAR	R13LIVPAR:W13 Number of living parents	Cont
1	S1LIVPAR	S1LIVPAR:W1 Number of living parents	Cont
2	S2LIVPAR	S2LIVPAR:W2 Number of living parents	Cont
3	S3LIVPAR	S3LIVPAR:W3 Number of living parents	Cont
4	S4LIVPAR	S4LIVPAR:W4 Number of living parents	Cont
5	S5LIVPAR	S5LIVPAR:W5 Number of living parents	Cont
6	S6LIVPAR	S6LIVPAR:W6 Number of living parents	Cont
7	S7LIVPAR	S7LIVPAR:W7 Number of living parents	Cont
8	S8LIVPAR	S8LIVPAR:W8 Number of living parents	Cont
9	S9LIVPAR	S9LIVPAR:W9 Number of living parents	Cont
10	S10LIVPAR	S10LIVPAR:W10 Number of living parents	Cont
11	S11LIVPAR	S11LIVPAR:W11 Number of living parents	Cont
12	S12LIVPAR	S12LIVPAR:W12 Number of living parents	Cont
13	S13LIVPAR	S13LIVPAR:W13 Number of living parents	Cont
1	R1MOMAGE	R1MOMAGE:W1 Mother age current/at death	Cont
2	R2MOMAGE	R2MOMAGE:W2 Mother age current/at death	Cont
3	R3MOMAGE	R3MOMAGE:W3 Mother age current/at death	Cont
4	R4MOMAGE	R4MOMAGE:W4 Mother age current/at death	Cont
5	R5MOMAGE	R5MOMAGE:W5 Mother age current/at death	Cont
6	R6MOMAGE	R6MOMAGE:W6 Mother age current/at death	Cont
7	R7MOMAGE	R7MOMAGE:W7 Mother age current/at death	Cont
8	R8MOMAGE	R8MOMAGE:W8 Mother age current/at death	Cont
9	R9MOMAGE	R9MOMAGE:W9 Mother age current/at death	Cont
10	R10MOMAGE	R10MOMAGE:W10 Mother age current/at death	Cont
11	R11MOMAGE	R11MOMAGE:W11 Mother age current/at death	Cont
12	R12MOMAGE	R12MOMAGE:W12 Mother age current/at death	Cont
13	R13MOMAGE	R13MOMAGE:W13 Mother age current/at death	Cont
1	S1MOMAGE	S1MOMAGE:W1 Mother age current/at death	Cont
2	S2MOMAGE	S2MOMAGE:W2 Mother age current/at death	Cont
3	S3MOMAGE	S3MOMAGE:W3 Mother age current/at death	Cont
4	S4MOMAGE	S4MOMAGE:W4 Mother age current/at death	Cont
5	S5MOMAGE	S5MOMAGE:W5 Mother age current/at death	Cont
6	S6MOMAGE	S6MOMAGE:W6 Mother age current/at death	Cont
7	S7MOMAGE	S7MOMAGE:W7 Mother age current/at death	Cont
8	S8MOMAGE	S8MOMAGE:W8 Mother age current/at death	Cont
9	S9MOMAGE	S9MOMAGE:W9 Mother age current/at death	Cont
10	S10MOMAGE	S10MOMAGE:W10 Mother age current/at death	Cont
11	S11MOMAGE	S11MOMAGE:W11 Mother age current/at death	Cont
12	S12MOMAGE	S12MOMAGE:W12 Mother age current/at death	Cont
13	S13MOMAGE	S13MOMAGE:W13 Mother age current/at death	Cont
1	R1DADAGE	R1DADAGE:W1 Father age current/at death	Cont
2	R2DADAGE	R2DADAGE:W2 Father age current/at death	Cont
3	R3DADAGE	R3DADAGE:W3 Father age current/at death	Cont
4	R4DADAGE	R4DADAGE:W4 Father age current/at death	Cont
5	R5DADAGE	R5DADAGE:W5 Father age current/at death	Cont
6	R6DADAGE	R6DADAGE:W6 Father age current/at death	Cont
7	R7DADAGE	R7DADAGE:W7 Father age current/at death	Cont
8	R8DADAGE	R8DADAGE:W8 Father age current/at death	Cont
9	R9DADAGE	R9DADAGE:W9 Father age current/at death	Cont
10	R10DADAGE	R10DADAGE:W10 Father age current/at death	Cont
11	R11DADAGE	R11DADAGE:W11 Father age current/at death	Cont
12	R12DADAGE	R12DADAGE:W12 Father age current/at death	Cont
13	R13DADAGE	R13DADAGE:W13 Father age current/at death	Cont
1	S1DADAGE	S1DADAGE:W1 Father age current/at death	Cont
2	S2DADAGE	S2DADAGE:W2 Father age current/at death	Cont
3	S3DADAGE	S3DADAGE:W3 Father age current/at death	Cont
4	S4DADAGE	S4DADAGE:W4 Father age current/at death	Cont
5	S5DADAGE	S5DADAGE:W5 Father age current/at death	Cont
6	S6DADAGE	S6DADAGE:W6 Father age current/at death	Cont
7	S7DADAGE	S7DADAGE:W7 Father age current/at death	Cont
8	S8DADAGE	S8DADAGE:W8 Father age current/at death	Cont
9	S9DADAGE	S9DADAGE:W9 Father age current/at death	Cont
10	S10DADAGE	S10DADAGE:W10 Father age current/at death	Cont
11	S11DADAGE	S11DADAGE:W11 Father age current/at death	Cont
12	S12DADAGE	S12DADAGE:W12 Father age current/at death	Cont

13 S13DADAGE S13DADAGE:W13 Father age current/at death Cont

Descriptive Statistics

Variable Name	N	Mean	Std Dev	Minimum	Maximum
R1MOMLIV	12484	0.44	0.50	0.0	1.0
R2MOMLIV	19504	0.24	0.43	0.0	1.0
R3MOMLIV	17830	0.21	0.41	0.0	1.0
R4MOMLIV	21168	0.22	0.41	0.0	1.0
R5MOMLIV	19313	0.19	0.39	0.0	1.0
R6MOMLIV	17919	0.17	0.38	0.0	1.0
R7MOMLIV	19897	0.22	0.41	0.0	1.0
R8MOMLIV	18251	0.19	0.39	0.0	1.0
R9MOMLIV	17021	0.17	0.38	0.0	1.0
R10MOMLIV	21779	0.26	0.44	0.0	1.0
R11MOMLIV	20368	0.24	0.42	0.0	1.0
R12MOMLIV	18516	0.21	0.41	0.0	1.0
R13MOMLIV	20752	0.27	0.44	0.0	1.0
S1MOMLIV	10121	0.44	0.50	0.0	1.0
S2MOMLIV	13335	0.28	0.45	0.0	1.0
S3MOMLIV	12112	0.25	0.43	0.0	1.0
S4MOMLIV	14304	0.26	0.44	0.0	1.0
S5MOMLIV	12794	0.23	0.42	0.0	1.0
S6MOMLIV	11538	0.20	0.40	0.0	1.0
S7MOMLIV	12948	0.25	0.44	0.0	1.0
S8MOMLIV	11732	0.23	0.42	0.0	1.0
S9MOMLIV	10679	0.20	0.40	0.0	1.0
S10MOMLIV	13579	0.29	0.45	0.0	1.0
S11MOMLIV	12590	0.26	0.44	0.0	1.0
S12MOMLIV	11103	0.24	0.43	0.0	1.0
S13MOMLIV	11891	0.29	0.45	0.0	1.0
R1DADLIV	12328	0.19	0.39	0.0	1.0
R2DADLIV	19478	0.09	0.29	0.0	1.0
R3DADLIV	17852	0.08	0.27	0.0	1.0
R4DADLIV	21138	0.09	0.28	0.0	1.0
R5DADLIV	19450	0.08	0.27	0.0	1.0
R6DADLIV	18060	0.06	0.25	0.0	1.0
R7DADLIV	20003	0.10	0.30	0.0	1.0
R8DADLIV	18364	0.08	0.27	0.0	1.0
R9DADLIV	17115	0.07	0.26	0.0	1.0
R10DADLIV	21782	0.13	0.34	0.0	1.0
R11DADLIV	20416	0.11	0.32	0.0	1.0
R12DADLIV	18584	0.10	0.30	0.0	1.0
R13DADLIV	20713	0.14	0.35	0.0	1.0
S1DADLIV	10005	0.19	0.40	0.0	1.0
S2DADLIV	13316	0.11	0.32	0.0	1.0
S3DADLIV	12136	0.09	0.29	0.0	1.0
S4DADLIV	14285	0.11	0.31	0.0	1.0
S5DADLIV	12930	0.10	0.30	0.0	1.0
S6DADLIV	11683	0.08	0.27	0.0	1.0
S7DADLIV	13049	0.12	0.32	0.0	1.0
S8DADLIV	11840	0.10	0.30	0.0	1.0
S9DADLIV	10793	0.09	0.28	0.0	1.0

S10DADLIV	13603	0.15	0.36	0.0	1.0
S11DADLIV	12679	0.13	0.34	0.0	1.0
S12DADLIV	11203	0.12	0.32	0.0	1.0
S13DADLIV	11946	0.16	0.36	0.0	1.0
R1LIVPAR	12314	0.62	0.69	0.0	2.0
R2LIVPAR	19425	0.33	0.58	0.0	2.0
R3LIVPAR	17746	0.29	0.54	0.0	2.0
R4LIVPAR	21061	0.31	0.56	0.0	2.0
R5LIVPAR	19240	0.27	0.54	0.0	2.0
R6LIVPAR	17860	0.23	0.50	0.0	2.0
R7LIVPAR	19811	0.32	0.58	0.0	2.0
R8LIVPAR	18178	0.27	0.55	0.0	2.0
R9LIVPAR	16948	0.24	0.52	0.0	2.0
R10LIVPAR	21604	0.39	0.64	0.0	2.0
R11LIVPAR	20260	0.35	0.61	0.0	2.0
R12LIVPAR	18395	0.31	0.58	0.0	2.0
R13LIVPAR	20601	0.41	0.66	0.0	2.0
S1LIVPAR	9996	0.64	0.70	0.0	2.0
S2LIVPAR	13262	0.40	0.62	0.0	2.0
S3LIVPAR	12037	0.34	0.58	0.0	2.0
S4LIVPAR	14208	0.37	0.61	0.0	2.0
S5LIVPAR	12740	0.33	0.58	0.0	2.0
S6LIVPAR	11483	0.28	0.55	0.0	2.0
S7LIVPAR	12872	0.37	0.62	0.0	2.0
S8LIVPAR	11672	0.33	0.59	0.0	2.0
S9LIVPAR	10623	0.29	0.56	0.0	2.0
S10LIVPAR	13427	0.44	0.67	0.0	2.0
S11LIVPAR	12511	0.39	0.64	0.0	2.0
S12LIVPAR	11006	0.36	0.62	0.0	2.0
S13LIVPAR	11801	0.45	0.68	0.0	2.0
R1MOMAGE	12483	72.53	13.20	16.0	96.0
R2MOMAGE	18889	73.56	15.11	16.0	110.0
R3MOMAGE	17359	74.08	15.23	16.0	110.0
R4MOMAGE	20585	74.61	14.92	15.0	113.0
R5MOMAGE	18812	74.97	15.08	15.0	113.0
R6MOMAGE	17510	75.34	15.18	16.0	110.0
R7MOMAGE	19501	75.21	14.73	16.0	113.0
R8MOMAGE	17911	75.73	14.82	16.0	113.0
R9MOMAGE	16732	76.16	14.86	16.0	113.0
R10MOMAGE	21451	75.51	14.23	16.0	113.0
R11MOMAGE	20076	76.00	14.36	16.0	114.0
R12MOMAGE	18266	76.41	14.42	16.0	114.0
R13MOMAGE	20502	75.99	13.97	17.0	114.0
S1MOMAGE	10116	72.62	13.03	17.0	96.0
S2MOMAGE	13061	73.80	14.51	17.0	110.0
S3MOMAGE	11878	74.37	14.62	17.0	110.0
S4MOMAGE	13915	74.80	14.40	17.0	113.0
S5MOMAGE	12474	75.15	14.55	17.0	113.0
S6MOMAGE	11309	75.70	14.60	17.0	110.0
S7MOMAGE	12717	75.48	14.12	16.0	113.0
S8MOMAGE	11536	76.04	14.23	16.0	110.0
S9MOMAGE	10508	76.53	14.27	16.0	110.0
S10MOMAGE	13404	75.75	13.77	16.0	110.0
S11MOMAGE	12425	76.27	13.87	16.0	110.0
S12MOMAGE	10962	76.72	13.88	16.0	110.0

S13MOMAGE	11757	76.22	13.62	16.0	110.0
R1DADAGE	12325	69.89	13.62	16.0	96.0
R2DADAGE	18567	70.65	14.36	16.0	110.0
R3DADAGE	17118	70.78	14.48	16.0	116.0
R4DADAGE	20141	71.03	14.33	19.0	107.0
R5DADAGE	18599	71.24	14.38	19.0	107.0
R6DADAGE	17333	71.41	14.46	19.0	107.0
R7DADAGE	19210	71.49	14.19	12.0	110.0
R8DADAGE	17667	71.62	14.29	12.0	110.0
R9DADAGE	16494	71.87	14.43	12.0	110.0
R10DADAGE	20965	71.88	14.08	12.0	110.0
R11DADAGE	19656	72.07	14.28	12.0	110.0
R12DADAGE	17915	72.28	14.39	12.0	110.0
R13DADAGE	19964	72.32	14.27	12.0	110.0
S1DADAGE	9999	70.05	13.44	16.0	96.0
S2DADAGE	12903	70.61	14.11	16.0	105.0
S3DADAGE	11762	70.73	14.24	16.0	116.0
S4DADAGE	13660	71.03	14.10	19.0	106.0
S5DADAGE	12440	71.34	14.12	19.0	106.0
S6DADAGE	11308	71.50	14.24	19.0	106.0
S7DADAGE	12627	71.69	13.96	12.0	110.0
S8DADAGE	11473	71.87	14.06	12.0	110.0
S9DADAGE	10473	72.14	14.19	12.0	110.0
S10DADAGE	13200	72.04	13.87	12.0	110.0
S11DADAGE	12276	72.26	14.05	12.0	110.0
S12DADAGE	10861	72.60	14.23	12.0	110.0
S13DADAGE	11591	72.63	14.12	12.0	110.0

Categorical Variable Codes

RwMOMLIV: Mother alive											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	25	9	7	14	12	11	13	13	8	19
.M=Oth missing	|	143	129	153	197	252	229	218	204	188	235
.R=RF	|			1	5	1	6	1	1		1
0.No	|	7051	14858	14054	16488	15588	14882	15568	14773	14131	16145
1.Yes	|	5433	4646	3776	4680	3725	3037	4329	3478	2890	5634
Value		w11	w12	w13							
.D=DK/NA	|	13	11	17							
.M=Oth missing	|	173	220	142							
.R=RF	|			1							
0.No	|	15576	14580	15171							
1.Yes	|	4792	3936	5581							
SwMOMLIV: Mother alive											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	20	7	11	14	11	8	10	7	7	14
.M=Oth missing	|	138	332	209	193	235	199	180	157	141	174
.R=RF	|			2	5	1	4		1		1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
.V=Spouse NR	|						110	214	155	185	467
0.No	|	5652	9555	9085	10593	9876	9226	9659	9092	8520	9627
1.Yes	|	4469	3780	3027	3711	2918	2312	3289	2640	2159	3952
Value		w11	w12	w13							
.D=DK/NA	|	9	4	8							
.M=Oth missing	|	123	152	86							
.R=RF	|										
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	358	363	903							
0.No	|	9266	8437	8444							
1.Yes	|	3324	2666	3447							

RwDADLIV: Father alive											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	152	52	34	56	32	24	51	39	37	120
.M=Oth missing	|	172	111	103	185	95	77	75	65	65	130
.R=RF	|		1	2	5	1	4		1		2
0.No	|	10019	17663	16478	19254	17941	16895	18046	16853	15903	18967
1.Yes	|	2309	1815	1374	1884	1509	1165	1957	1511	1212	2815
Value		w11	w12	w13							
.D=DK/NA	|	77	60	125							
.M=Oth missing	|	59	102	71							
.R=RF	|	2	1	3							
0.No	|	18126	16750	17801							
1.Yes	|	2290	1834	2912							
SwDADLIV: Father alive											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	106	38	31	46	29	15	28	20	23	62
.M=Oth missing	|	168	319	162	177	80	55	52	39	34	81
.R=RF	|		1	5	8	2	4		1		1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
.V=Spouse NR	|						102	223	152	162	488
0.No	|	8055	11802	10998	12714	11667	10734	11492	10642	9844	11549
1.Yes	|	1950	1514	1138	1571	1263	949	1557	1198	949	2054
Value		w11	w12	w13							
.D=DK/NA	|	42	34	64							
.M=Oth missing	|	28	54	30							
.R=RF	|										
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	331	331	848							
0.No	|	11041	9903	10090							
1.Yes	|	1638	1300	1856							

How Constructed

RwMOMAGE and RwDADAGE are assigned respectively to the Respondent's mother's and the Respondent's father's current age if living or age at death if deceased. RwMOMLIV and RwDADLIV flag whether a Respondent's mother and father, respectively, are still alive. RwLIVPAR counts a Respondent's own living parents. It is derived by summing the RwMOMLIV and RwDADLIV variables. If either RwMOMLIV or RwDADLIV is missing, then RwLIVPAR is missing.

SwMOMAGE, SwDADAGE, SwMOMLIV, SwDADLIV, and SwLIVPAR are the analogous variables for the parents of the Respondent's spouse. If the Respondent is unmarried, they are assigned .U missing values. In waves where the spouse did not provide an interview and the Respondent only reports on her/his own parents, they are assigned .V missing values.

For Waves 1 and 2H, the derivations use preprocessed variables that assign parent and in-law information to Respondents. In Waves 3H, 4, and 5, the derivations use household-level data, taking into account whether the Respondent is the Family Respondent or not. If the Respondent is the Family Respondent, then parent data are assigned to the Respondent's parent variables and parent-in-law data are assigned to the spouse's parent variables. If the Respondent is not the Family Respondent, then parent-in-law data are assigned

to the Respondent's parent variables and parent data are assigned to the Respondent's parent-in-law variables. In Waves 2A and 3A and from Wave 6 forward, parent data are collected from Respondents about their own parents. Information about parents-in-law is assigned from the spouse's report on her/his own parents.

If a parent is reported deceased at an interview and the parent data are missing at a subsequent interview, the data are carried forward. If the parent data are given at an interview but missing at a prior interview, the data are carried back. When carrying data forward or back for in-laws, the spouse IDs are compared to ensure that the information is for the same spouse.

Cross Wave Differences in Original HRS Data

Information about parent mortality and age is reported in the Family Section at each interview. In Waves 1, 2H, 3H, 4, and 5, the designated Family Respondent answers all questions about parents and parents-in-law in a couple household. In Waves 2A and 3A, and from Wave 6 forward, each Respondent answers the questions about her/his own parents.

In Waves 1 and 2H, the raw HRS data provides parent data in separate sections with observations by parent. In Wave 2H there may be multiple observations per parent. The data may include information on up to 4 parents per household with the Family Respondent's parents and in-laws. In Waves 2A and 3A, and from Wave 6 forward, the raw data provide parent data in Respondent level variables with one observation per Respondent. In Waves 3H, 4 and 5 the raw HRS data provide parent data in household level variables with one observation per household holding information on up to four parents.

Preprocessing of Wave 1 and 2H data collapses the parent-level observations to each Respondent as a set of 4 variables for each measure pertaining to the Respondent's mother, father, mother-in-law, and father-in-law. The process takes into account whether the Respondent is the Family Respondent or not. For Waves 2A and 3A, and from Wave 6 forward, each Respondent provides information about her/his own mother and father, regardless of who the Family Respondent is. Information about parents-in-law is based on the spouse's responses. In Waves 3H, 4, and 5 the assignment of parent data is adjusted to account for the Respondent's Family Respondent status.

Concerning RwmOMAGE and RwdADAGE if a parent is living, a question asks how old the parent is. If the parent is deceased a question asks how old the parent was when s/he died. In Waves 1 and 2H the question wordings are: "How old is she/he?" and "How old was he/she when he/she died?" In Waves 2A and 3H, and from Wave 4 forward, the wording is slightly different: "About how old is she/he?" and "About how old was he/she when he/she died?" These questions are skipped if preloaded information indicates that the Respondent reported the parent deceased at a previous interview.

Unlike other waves, Respondents in Wave 2A who either don't recall, or refuse to answer the question about their parents' age at death, enter into a sequence of two "bracket" questions ("Was he/she older than 65?"; and "Was he/she older than 85?") The pattern of responses to these questions is captured in four special missing codes (.E = died before 65; .F = died between 65-85; and .G = died after 65+; and .H = died after age 85+).

Concerning RwmOMLIV, RwdADLIV, and RwlIVPAR in Wave 1, a question asks: "Is [your, your spouse/partner's] [mother, father] living now?" At subsequent interviews the question is: "Is [your, your spouse/partner's] [mother, father] still living?" This question is skipped if preloaded information indicates that the Respondent reported that the parent had died at a previous interview.

From Wave 7 forward, the answer is set to "Yes" without asking the question if the parent is a resident in the Respondent's household.

HRS Variables Used

HRS 1992:

V8203PF	PARS:ALIVE NOW? /Sp-Prtnr Dad
V8203PM	PARS:ALIVE NOW? /Sp-Prtnr Mom
V8203RF	PARS:ALIVE NOW? /Own Dad
V8203RM	PARS:ALIVE NOW? /Own Mom

V8205PF	PARS:AGE	:IMP /Sp-Prtnr Dad
V8205PM	PARS:AGE	:IMP /Sp-Prtnr Mom
V8205RF	PARS:AGE	:IMP /Own Dad
V8205RM	PARS:AGE	:IMP /Own Mom
V8209PF	PARS:AGE WHEN DIED	:IMP /Sp-Prtnr Dad
V8209PM	PARS:AGE WHEN DIED	:IMP /Sp-Prtnr Mom
V8209RF	PARS:AGE WHEN DIED	:IMP /Own Dad
V8209RM	PARS:AGE WHEN DIED	:IMP /Own Mom
AHEAD 1993:		
B565	D60. MOTHER LIVING	
B566	D61a. MOTHER AGE	
B572	D61c. MOTHER AGE DIED	
B573	D61d. MOTHER AGE DIED DK 65+	
B575	D61e. MOTHER AGE DIED DK 85+	
B576	D62. FATHER LIVING	
B577	D63a. FATHER AGE	
B583	D63c. FATHER AGE DIED	
B584	D63d. FATHER AGE DIED DK 65+	
B586	D63e. FATHER AGE DIED DK 85+	
HRS 1994:		
W8201PF	Parent still living? /P Dad	
W8201PM	Parent still living? /P Mom	
W8201RF	Parent still living? /R Dad	
W8201RM	Parent still living? /R Mom	
W8202PF	Parent age /P Dad	
W8202PM	Parent age /P Mom	
W8202RF	Parent age /R Dad	
W8202RM	Parent age /R Mom	
W8206PF	Parent age at death /P Dad	
W8206RF	Parent age at death /R Dad	
W950	E: R Mother Alive Now	
W951	E: R Father Alive Now	
W954	E: S/P Mother Alive Now	
W955	E: S/P Father Alive Now	
W958	EE: R Mother Alive Now	
W959	EE: R Father Alive Now	
W960	EE: S/P Mother Alive Now	
W961	EE: S/P Father Alive Now	
AHEAD 1995:		
D1613	D90.MOTHER LIVING	
D1614	D91A.MOTHER AGE	
D1617	D91D. AGE MOTHER DIED	
D1621	D92.FATHER LIVING	
D1622	D93A.FATHER AGE	
D1629	D93C.FATHER AGE DIED	
HRS 1996:		
ER1557_1	D90.MOTHER LIVING/Self	
ER1557_2	D90.MOTHER-IN-LAW LIVING/Self	
ER1558_1	D91A.MOTHER AGE/Self	
ER1558_2	D91A.MOTHER-IN-LAW AGE/Self	
ER1561_1	D92A. AGE MOTHER DIED/Self	
ER1561_2	D92A. AGE MOTHER-IN-LAW DIED/Self	
ER1566_1	D93.FATHER LIVING/Self	
ER1566_2	D93.FATHER-IN-LAW LIVING/Self	
ER1567_1	D94A.FATHER AGE/Self	
ER1567_2	D94A.FATHER-IN-LAW AGE/Self	
ER1570_1	D95A.FATHER AGE DIED/Self	
ER1570_2	D95A.FATHER-IN-LAW AGE DIED/Self	
ER1666_1	D145_.CKPT PARENTS ALIVE/Self	

ER1666_2	D145.CKPT PARENTS-IN-LAW ALIVE/Self
HRS 1998:	
F1906	D90.MOTHER LIVING
F1907	D91A.MOTHER AGE
F1911	D92A. AGE MOTHER DIED
F1916	D93.FATHER LIVING
F1917	D94A.FATHER AGE
F1921	D95A.FATHER AGE DIED
F2068	D90-2.MOTHER-IN-LAW LIVING
F2069	D91A-2.MOTHER-IN-LAW AGE
F2073	D92A-2. AGE MOTHER-IN-LAW DIED
F2078	D93-2.FATHER-IN-LAW LIVING
F2079	D94A-2.FATHER-IN-LAW AGE
F2083	D95A-2.FATHER-IN-LAW AGE DIED
HRS 2000:	
G2122	D90.MOTHER LIVING
G2123	D91A.MOTHER AGE
G2127	D92A. AGE MOTHER DIED
G2132	D93.FATHER LIVING
G2133	D94A.FATHER AGE
G2137	D95A.FATHER AGE DIED
G2309	D90-2.MOTHER-IN-LAW LIVING
G2310	D91A-2.MOTHER-IN-LAW AGE
G2314	D92A-2. AGE MOTHER-IN-LAW DIED
G2319	D93-2.FATHER-IN-LAW LIVING
G2324	D95A-2.FATHER-IN-LAW AGE DIED
G658	CS15Y63.SAME SPOUSE AS LAST WAVE
HRS 2002-2016:	
xF001	MOTHER ALIVE
xF002	MOTHERS AGE
xF006	AGE MOTHER DIED
xF011	FATHER ALIVE
xF012	FATHER AGE
xF016	AGE FATHER DIED
Tracker:	
xFAMR	1992-2016 WHETHER FAMILY RESPONDENT
xPPN	1992-2016 SPOUSE-PARTNER PERSON NUMBER

Section B: Health

Self-report of health

Wave	Variable	Label	Type
1	R1SHLT	R1SHLT:W1 Self-report of health	Categ
2	R2SHLT	R2SHLT:W2 Self-report of health	Categ
3	R3SHLT	R3SHLT:W3 Self-report of health	Categ
4	R4SHLT	R4SHLT:W4 Self-report of health	Categ
5	R5SHLT	R5SHLT:W5 Self-report of health	Categ
6	R6SHLT	R6SHLT:W6 Self-report of health	Categ
7	R7SHLT	R7SHLT:W7 Self-report of health	Categ
8	R8SHLT	R8SHLT:W8 Self-report of health	Categ
9	R9SHLT	R9SHLT:W9 Self-report of health	Categ
10	R10SHLT	R10SHLT:W10 Self-report of health	Categ
11	R11SHLT	R11SHLT:W11 Self-report of health	Categ
12	R12SHLT	R12SHLT:W12 Self-report of health	Categ
13	R13SHLT	R13SHLT:W13 Self-report of health	Categ
1	S1SHLT	S1SHLT:W1 Self-report of health	Categ
2	S2SHLT	S2SHLT:W2 Self-report of health	Categ
3	S3SHLT	S3SHLT:W3 Self-report of health	Categ
4	S4SHLT	S4SHLT:W4 Self-report of health	Categ
5	S5SHLT	S5SHLT:W5 Self-report of health	Categ
6	S6SHLT	S6SHLT:W6 Self-report of health	Categ
7	S7SHLT	S7SHLT:W7 Self-report of health	Categ
8	S8SHLT	S8SHLT:W8 Self-report of health	Categ
9	S9SHLT	S9SHLT:W9 Self-report of health	Categ
10	S10SHLT	S10SHLT:W10 Self-report of health	Categ
11	S11SHLT	S11SHLT:W11 Self-report of health	Categ
12	S12SHLT	S12SHLT:W12 Self-report of health	Categ
13	S13SHLT	S13SHLT:W13 Self-report of health	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SHLT	12652	2.58	1.21	1.0	5.0
R2SHLT	19632	2.81	1.19	1.0	5.0
R3SHLT	17984	2.79	1.18	1.0	5.0
R4SHLT	21378	2.92	1.18	1.0	5.0
R5SHLT	19570	2.84	1.16	1.0	5.0
R6SHLT	18154	2.88	1.13	1.0	5.0
R7SHLT	20112	2.88	1.14	1.0	5.0
R8SHLT	18444	2.88	1.13	1.0	5.0
R9SHLT	17203	2.94	1.11	1.0	5.0
R10SHLT	22023	2.89	1.11	1.0	5.0
R11SHLT	20533	2.90	1.10	1.0	5.0
R12SHLT	18731	2.95	1.07	1.0	5.0
R13SHLT	20888	2.95	1.07	1.0	5.0
S1SHLT	9900	2.51	1.17	1.0	5.0
S2SHLT	13086	2.70	1.16	1.0	5.0
S3SHLT	11913	2.69	1.15	1.0	5.0
S4SHLT	13975	2.82	1.15	1.0	5.0
S5SHLT	12726	2.73	1.13	1.0	5.0
S6SHLT	11637	2.75	1.10	1.0	5.0
S7SHLT	12962	2.77	1.12	1.0	5.0
S8SHLT	11723	2.76	1.11	1.0	5.0
S9SHLT	10640	2.83	1.08	1.0	5.0
S10SHLT	13510	2.78	1.09	1.0	5.0

How Constructed

RwSHLT is the Respondent's self-reported general health status. Codes range from "1" for Excellent to "5" for Poor. SwSHLT is the Respondent's spouse or partner's self-reported general health status.

RwSHLT is assigned the value of the raw variable except where the missing values for don't know, refused, and other missings are recoded to .D, .R, and .M, respectively.

RwSHLT and SwSHLT are used in the construction of a change in health variable RwSHLTC. Please see "Change in Health" for a description of these measures.

The SwSHLT variables are taken from the Wave "w" spouse's self-reported RwSHLT variables.

Cross Wave Differences in Original HRS Data

In Wave 1 values for self-reported health status are imputed by HRS if missing. These imputations are used. From Wave 2 forward, values are not imputed by HRS.

HRS Variables Used

HRS 1992:	
V301	B1:RATE CURRENT HEAL:IMP
AHEAD 1993:	
B204	B1. RATE HEALTH
HRS 1994:	
W301	B1.RATE CURRENT HEALTH
AHEAD 1995:	
D769	B1. RATE HEALTH
HRS 1996:	
E769	B1. RATE HEALTH
HRS 1998:	
F1097	B1. RATE HEALTH
HRS 2000:	
G1226	B1. RATE HEALTH
HRS 2002-2016:	
xC001	RATE HEALTH

Self-report of health change

Wave	Variable	Label	Type
1	R1HLTC	R1HLTC:W1 Self-report of health change	Categ
2	R2HLTC	R2HLTC:W2 Self-report of health change	Categ
3	R3HLTC	R3HLTC:W3 Self-report of health change	Categ
4	R4HLTC	R4HLTC:W4 Self-report of health change	Categ
5	R5HLTC	R5HLTC:W5 Self-report of health change	Categ
6	R6HLTC	R6HLTC:W6 Self-report of health change	Categ
7	R7HLTC	R7HLTC:W7 Self-report of health change	Categ
8	R8HLTC	R8HLTC:W8 Self-report of health change	Categ
9	R9HLTC	R9HLTC:W9 Self-report of health change	Categ
10	R10HLTC	R10HLTC:W10 Self-report of health change	Categ
11	R11HLTC	R11HLTC:W11 Self-report of health change	Categ
12	R12HLTC	R12HLTC:W12 Self-report of health change	Categ
13	R13HLTC	R13HLTC:W13 Self-report of health change	Categ
1	S1HLTC	S1HLTC:W1 Self-report of health change	Categ
2	S2HLTC	S2HLTC:W2 Self-report of health change	Categ
3	S3HLTC	S3HLTC:W3 Self-report of health change	Categ
4	S4HLTC	S4HLTC:W4 Self-report of health change	Categ
5	S5HLTC	S5HLTC:W5 Self-report of health change	Categ
6	S6HLTC	S6HLTC:W6 Self-report of health change	Categ
7	S7HLTC	S7HLTC:W7 Self-report of health change	Categ
8	S8HLTC	S8HLTC:W8 Self-report of health change	Categ
9	S9HLTC	S9HLTC:W9 Self-report of health change	Categ
10	S10HLTC	S10HLTC:W10 Self-report of health change	Categ
11	S11HLTC	S11HLTC:W11 Self-report of health change	Categ
12	S12HLTC	S12HLTC:W12 Self-report of health change	Categ
13	S13HLTC	S13HLTC:W13 Self-report of health change	Categ
3	R3HLTCF	R3HLTCF:W3 Flag self-report of hlth chg	Categ
4	R4HLTCF	R4HLTCF:W4 Flag self-report of hlth chg	Categ
5	R5HLTCF	R5HLTCF:W5 Flag self-report of hlth chg	Categ
6	R6HLTCF	R6HLTCF:W6 Flag self-report of hlth chg	Categ
7	R7HLTCF	R7HLTCF:W7 Flag self-report of hlth chg	Categ
8	R8HLTCF	R8HLTCF:W8 Flag self-report of hlth chg	Categ
9	R9HLTCF	R9HLTCF:W9 Flag self-report of hlth chg	Categ
10	R10HLTCF	R10HLTCF:W10 Flag self-report of hlth chg	Categ
11	R11HLTCF	R11HLTCF:W11 Flag self-report of hlth chg	Categ
12	R12HLTCF	R12HLTCF:W12 Flag self-report of hlth chg	Categ
13	R13HLTCF	R13HLTCF:W13 Flag self-report of hlth chg	Categ
3	S3HLTCF	S3HLTCF:W3 Flag self-report of hlth chg	Categ
4	S4HLTCF	S4HLTCF:W4 Flag self-report of hlth chg	Categ
5	S5HLTCF	S5HLTCF:W5 Flag self-report of hlth chg	Categ
6	S6HLTCF	S6HLTCF:W6 Flag self-report of hlth chg	Categ
7	S7HLTCF	S7HLTCF:W7 Flag self-report of hlth chg	Categ
8	S8HLTCF	S8HLTCF:W8 Flag self-report of hlth chg	Categ
9	S9HLTCF	S9HLTCF:W9 Flag self-report of hlth chg	Categ
10	S10HLTCF	S10HLTCF:W10 Flag self-report of hlth chg	Categ
11	S11HLTCF	S11HLTCF:W11 Flag self-report of hlth chg	Categ
12	S12HLTCF	S12HLTCF:W12 Flag self-report of hlth chg	Categ
13	S13HLTCF	S13HLTCF:W13 Flag self-report of hlth chg	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HLTC	12651	2.94	0.73	1.0	5.0
R2HLTC	19631	3.10	0.94	1.0	5.0
R3HLTC	17786	3.16	0.81	1.0	5.0
R4HLTC	16284	3.23	0.83	1.0	5.0
R5HLTC	19299	3.19	0.80	1.0	5.0

R6HLTC	17920	3.22	0.80	1.0	5.0
R7HLTC	16642	3.19	0.59	2.0	4.0
R8HLTC	18236	3.17	0.59	2.0	4.0
R9HLTC	17053	3.18	0.59	2.0	4.0
R10HLTC	15564	3.18	0.59	2.0	4.0
R11HLTC	20003	3.12	0.59	2.0	4.0
R12HLTC	18532	3.13	0.58	2.0	4.0
R13HLTC	16313	3.14	0.59	2.0	4.0
S1HLTC	9899	2.92	0.70	1.0	5.0
S2HLTC	13082	3.07	0.86	1.0	5.0
S3HLTC	11737	3.13	0.78	1.0	5.0
S4HLTC	10471	3.19	0.79	1.0	5.0
S5HLTC	12476	3.16	0.77	1.0	5.0
S6HLTC	11416	3.17	0.76	1.0	5.0
S7HLTC	10477	3.16	0.58	2.0	4.0
S8HLTC	11525	3.14	0.57	2.0	4.0
S9HLTC	10496	3.15	0.57	2.0	4.0
S10HLTC	9400	3.16	0.58	2.0	4.0
S11HLTC	12025	3.10	0.58	2.0	4.0
S12HLTC	10831	3.10	0.57	2.0	4.0
S13HLTC	9239	3.12	0.58	2.0	4.0
R3HLTCF	17991	0.10	0.96	0.0	9.0
R4HLTCF	21384	2.15	3.84	0.0	9.0
R5HLTCF	19578	0.13	1.07	0.0	9.0
R6HLTCF	18165	0.12	1.04	0.0	9.0
R7HLTCF	20129	2.20	3.24	0.0	9.0
R8HLTCF	18469	0.86	1.33	0.0	9.0
R9HLTCF	17217	0.83	1.25	0.0	9.0
R10HLTCF	22034	3.18	3.84	0.0	9.0
R11HLTCF	20554	0.96	1.64	0.0	9.0
R12HLTCF	18747	0.81	1.30	0.0	9.0
R13HLTCF	20912	2.56	3.53	0.0	9.0
S3HLTCF	11917	0.14	1.10	0.0	9.0
S4HLTCF	13980	2.26	3.90	0.0	9.0
S5HLTCF	12730	0.18	1.26	0.0	9.0
S6HLTCF	11639	0.17	1.23	0.0	9.0
S7HLTCF	12972	2.31	3.38	0.0	9.0
S8HLTCF	11735	0.85	1.45	0.0	9.0
S9HLTCF	10646	0.81	1.36	0.0	9.0
S10HLTCF	13513	3.24	3.89	0.0	9.0
S11HLTCF	12488	1.00	1.83	0.0	9.0
S12HLTCF	11012	0.80	1.41	0.0	9.0
S13HLTCF	11779	2.49	3.52	0.0	9.0

Categorical Variable Codes

RwHLTC: Self-report of health change

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		7	4	7	8	12	10	16	20	16
.M=Oth missing	1		2	3	6	6	5	7		11
.P=No prv IW			196	5090	264	226	3471	207	143	6439
.R=RF		4	3		1	1	1	3	1	4
1.Much better	714	1558	824	642	802	686				
2.Somewhat better	1276	1008	1040	895	1060	905	1675	1887	1712	1540
3.Same	9072	13236	11620	10169	12438	11343	10195	11364	10640	9611
4.Somewhat worse	1248	1634	3120	3281	3718	3715	4772	4985	4701	4413
5.Much worse	341	2195	1182	1297	1281	1271				

Value	w11	w12	w13
.D=DK/NA	27	28	28
.M=Oth missing	188	5	9
.P=No prv IW	331	178	4558
.R=RF	5	4	4
1.Much better			
2.Somewhat better	2424	2120	1900
3.Same	12659	11946	10257
4.Somewhat worse	4920	4466	4156
5.Much worse			

SwHLTC: Self-report of health change

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5	1	3	3	7	5	5	10	3
.M=Oth missing	1		2	3	5	6	5	6		11
.P=No prv IW			175	3503	246	209	2484	198	139	4096
.R=RF		3	2			1	1	1	1	3
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.Much better	544	870	524	411	517	441				
2.Somewhat better	1011	765	713	576	677	585	1043	1197	1051	940
3.Same	7234	9178	7901	6832	8301	7579	6707	7500	6861	6008
4.Somewhat worse	895	1172	1955	1966	2312	2199	2727	2828	2584	2452
5.Much worse	215	1097	644	686	669	612				

Value	w11	w12	w13
.D=DK/NA	11	9	13
.M=Oth missing	138	5	8
.P=No prv IW	313	167	2517
.R=RF	1		2
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.Much better			
2.Somewhat better	1448	1237	1071
3.Same	7879	7227	6027
4.Somewhat worse	2698	2367	2141
5.Much worse			

RwHLTCF: Flag self-report of hlth chg

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No missing	|			17776	16278	19287	17909	10195	11364	10640	9611
1.F1=.,filled frm F2	|			1							
2.F2=.,set to somewhat	|			9	6	12	11	6447	6872	6413	5953
9.Both missing	|			205	5100	279	245	3487	233	164	6470

Value		w11	w12	w13
0.No missing	|	12659	11946	10257
1.F1=.,filled frm F2	|			
2.F2=.,set to somewhat	|	7344	6586	6056
9.Both missing	|	551	215	4599

SwHLTCF: Flag self-report of hlth chg

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.No missing	|			11735	10470	12469	11409	6707	7500	6861	6008
1.F1=.,filled frm F2	|			1							
2.F2=.,set to somewhat	|			1	1	7	7	3770	4025	3635	3392
9.Both missing	|			180	3509	254	223	2495	210	150	4113

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No missing	|	7879	7227	6027
1.F1=.,filled frm F2	|			
2.F2=.,set to somewhat	|	4146	3604	3212
9.Both missing	|	463	181	2540

How Constructed

RwHLTC is the Respondent's self-reported change in health since the last interview or in the last two years. SwHLTC is the Respondent's spouse or partner's self-reported change in health.

In Waves 1 and 2 RwHLTC is derived directly from the raw variables, with missing values recoded. For subsequent waves the question is asked in two parts, one for whether the Respondent's health is better or worse, and a follow-up question revealing how much better or worse. The derivation combines the lead-in and follow-up questions to arrive at the same 5-point scale used in the single Wave 1 and 2 questions. A few cases are missing values for one of the questions. If the follow-up question is not missing, its answer is used. If the lead-in question is answered but the follow-up is missing, "somewhat" was assumed and these cases are flagged in the RwHLTCF and SwHLTCF variables. Most cases that answer both questions give "somewhat" as the follow-up answer. From Wave 7 forward, the follow-up questions have been dropped, and the Respondent is asked only if health is better, about the same or worse since the last interview.

Please see also the calculated change in self-reported health variable (RwSHLTC) described later in this section. Note that RwHLTC asks the Respondent to assess retrospectively how her/his health has changed since the last interview while RwSHLTC compares measures of self-reported current health from the two time points.

The SwHLTC variables are taken from the Wave "w" spouse's self-reported RwHLTC variables.

Cross Wave Differences in Original HRS Data

In Wave 1, the question asks the Respondent to compare her/his health to that of 1 year ago. The question asks the Respondent to rate change in health into 5 categories: "much better," "somewhat better," "about the same," "somewhat worse," and "much worse."

In Wave 2H, the question asks the Respondent to compare her/his health to that of 2 years ago or the Wave 1 interview. The question uses the same 5-category ratings as Wave 1. The question is skipped for interviews by proxy for deceased Respondents.

In Wave 2A, the question asks the Respondent to compare her/his health to that of 1 year ago. The question uses 3-category ratings: "better," "about the same," and "worse."

The question is asked for all Respondents.

From Wave 3 forward, the question is only asked of those who had a prior interview, and asks the Respondent to compare her/his health to that at the time of the last interview. It is asked in two parts. The first question asks the Respondent if health is "better," "about the same," or "worse" since the last interview. If the Respondent responds better, a follow-up question asks whether it is much better or somewhat better. Similarly if the Respondent responds worse, the follow-up asks whether it is much worse or somewhat worse.

From Wave 7 forward, the follow-up questions have been dropped, and the Respondent is asked only if health is better, about the same, or worse since the last interview.

HRS Variables Used

HRS 1992:	
V302	B2:HEALTH:NOW, 1 YR :IMP
AHEAD 1993:	
B208	B2. RATE HEALTH PAST
HRS 1994:	
W302	B2.HEALTH NOW VERSUS 2 Y
AHEAD 1995:	
D772	B1A.RATE HEALTH PAST
D776	B1B.RATE BETTER
D777	B1C.RATE WORSE
HRS 1996:	
E772	B1A.RATE HEALTH PAST
E776	B1B.RATE BETTER
E777	B1C.RATE WORSE
HRS 1998:	
F1100	B1A.RATE HEALTH PAST
F1104	B1B.RATE BETTER
F1105	B1C.RATE WORSE
HRS 2000:	
G1229	B1A.RATE HEALTH PAST
G1233	B1B.RATE BETTER
G1234	B1C.RATE WORSE
HRS 2002:	
HC003	HEALTH BETTER-DEGREE
HC004	HEALTH WORSE-DEGREE
HRS 2002-2016:	
xC002	COMPARE HEALTH TO PREVIOUS WAVE

Medical care utilization: Hospital

Wave	Variable	Label	Type
1	R1HOSP	R1HOSP:W1 Hospital stay, prv 12 mos	Categ
2	R2HOSP	R2HOSP:W2 Hospital stay, prv 2 yrs	Categ
3	R3HOSP	R3HOSP:W3 Hospital stay, prv 2 yrs	Categ
4	R4HOSP	R4HOSP:W4 Hospital stay, prv 2 yrs	Categ
5	R5HOSP	R5HOSP:W5 Hospital stay, prv 2 yrs	Categ
6	R6HOSP	R6HOSP:W6 Hospital stay, prv 2 yrs	Categ
7	R7HOSP	R7HOSP:W7 Hospital stay, prv 2 yrs	Categ
8	R8HOSP	R8HOSP:W8 Hospital stay, prv 2 yrs	Categ
9	R9HOSP	R9HOSP:W9 Hospital stay, prv 2 yrs	Categ
10	R10HOSP	R10HOSP:W10 Hospital stay, prv 2 yrs	Categ
11	R11HOSP	R11HOSP:W11 Hospital stay, prv 2 yrs	Categ
12	R12HOSP	R12HOSP:W12 Hospital stay, prv 2 yrs	Categ
13	R13HOSP	R13HOSP:W13 Hospital stay, prv 2 yrs	Categ
1	S1HOSP	S1HOSP:W1 Hospital stay, prv 12 mos	Categ
2	S2HOSP	S2HOSP:W2 Hospital stay, prv 2 yrs	Categ
3	S3HOSP	S3HOSP:W3 Hospital stay, prv 2 yrs	Categ
4	S4HOSP	S4HOSP:W4 Hospital stay, prv 2 yrs	Categ
5	S5HOSP	S5HOSP:W5 Hospital stay, prv 2 yrs	Categ
6	S6HOSP	S6HOSP:W6 Hospital stay, prv 2 yrs	Categ
7	S7HOSP	S7HOSP:W7 Hospital stay, prv 2 yrs	Categ
8	S8HOSP	S8HOSP:W8 Hospital stay, prv 2 yrs	Categ
9	S9HOSP	S9HOSP:W9 Hospital stay, prv 2 yrs	Categ
10	S10HOSP	S10HOSP:W10 Hospital stay, prv 2 yrs	Categ
11	S11HOSP	S11HOSP:W11 Hospital stay, prv 2 yrs	Categ
12	S12HOSP	S12HOSP:W12 Hospital stay, prv 2 yrs	Categ
13	S13HOSP	S13HOSP:W13 Hospital stay, prv 2 yrs	Categ
1	R1HSPTIM	R1HSPTIM:W1 # Hospitl stys, prv 12 mos	Cont
2	R2HSPTIM	R2HSPTIM:W2 # Hospital stays, prv 2 yrs	Cont
3	R3HSPTIM	R3HSPTIM:W3 # Hospital stays, prv 2 yrs	Cont
4	R4HSPTIM	R4HSPTIM:W4 # Hospital stays, prv 2 yrs	Cont
5	R5HSPTIM	R5HSPTIM:W5 # Hospital stays, prv 2 yrs	Cont
6	R6HSPTIM	R6HSPTIM:W6 # Hospital stays, prv 2 yrs	Cont
7	R7HSPTIM	R7HSPTIM:W7 # Hospital stays, prv 2 yrs	Cont
8	R8HSPTIM	R8HSPTIM:W8 # Hospital stays, prv 2 yrs	Cont
9	R9HSPTIM	R9HSPTIM:W9 # Hospital stays, prv 2 yrs	Cont
10	R10HSPTIM	R10HSPTIM:W10 # Hospital stays, prv 2 yrs	Cont
11	R11HSPTIM	R11HSPTIM:W11 # Hospital stays, prv 2 yrs	Cont
12	R12HSPTIM	R12HSPTIM:W12 # Hospital stays, prv 2 yrs	Cont
13	R13HSPTIM	R13HSPTIM:W13 # Hospital stays, prv 2 yrs	Cont
1	S1HSPTIM	S1HSPTIM:W1 # Hospitl stys, prv 12 mos	Cont
2	S2HSPTIM	S2HSPTIM:W2 # Hospital stays, prv 2 yrs	Cont
3	S3HSPTIM	S3HSPTIM:W3 # Hospital stays, prv 2 yrs	Cont
4	S4HSPTIM	S4HSPTIM:W4 # Hospital stays, prv 2 yrs	Cont
5	S5HSPTIM	S5HSPTIM:W5 # Hospital stays, prv 2 yrs	Cont
6	S6HSPTIM	S6HSPTIM:W6 # Hospital stays, prv 2 yrs	Cont
7	S7HSPTIM	S7HSPTIM:W7 # Hospital stays, prv 2 yrs	Cont
8	S8HSPTIM	S8HSPTIM:W8 # Hospital stays, prv 2 yrs	Cont
9	S9HSPTIM	S9HSPTIM:W9 # Hospital stays, prv 2 yrs	Cont
10	S10HSPTIM	S10HSPTIM:W10 # Hospital stays, prv 2 yrs	Cont
11	S11HSPTIM	S11HSPTIM:W11 # Hospital stays, prv 2 yrs	Cont
12	S12HSPTIM	S12HSPTIM:W12 # Hospital stays, prv 2 yrs	Cont
13	S13HSPTIM	S13HSPTIM:W13 # Hospital stays, prv 2 yrs	Cont
1	R1HSPNIT	R1HSPNIT:W1 # Hospitl nghts, prv 12 mos	Cont
2	R2HSPNIT	R2HSPNIT:W2 # Nights in hosp, prv 2 yrs	Cont
3	R3HSPNIT	R3HSPNIT:W3 # Nights in hosp, prv 2 yrs	Cont
4	R4HSPNIT	R4HSPNIT:W4 # Nights in hosp, prv 2 yrs	Cont
5	R5HSPNIT	R5HSPNIT:W5 # Nights in hosp, prv 2 yrs	Cont
6	R6HSPNIT	R6HSPNIT:W6 # Nights in hosp, prv 2 yrs	Cont
7	R7HSPNIT	R7HSPNIT:W7 # Nights in hosp, prv 2 yrs	Cont
8	R8HSPNIT	R8HSPNIT:W8 # Nights in hosp, prv 2 yrs	Cont
9	R9HSPNIT	R9HSPNIT:W9 # Nights in hosp, prv 2 yrs	Cont
10	R10HSPNIT	R10HSPNIT:W10 # Nights in hosp, prv 2 yrs	Cont

11	R11HSPNIT	R11HSPNIT:W11 # Nights in hosp, prv 2 yrs	Cont
12	R12HSPNIT	R12HSPNIT:W12 # Nights in hosp, prv 2 yrs	Cont
13	R13HSPNIT	R13HSPNIT:W13 # Nights in hosp, prv 2 yrs	Cont
1	S1HSPNIT	S1HSPNIT:W1 # Hospitl nghts, prv 12 mos	Cont
2	S2HSPNIT	S2HSPNIT:W2 # Nights in hosp, prv 2 yrs	Cont
3	S3HSPNIT	S3HSPNIT:W3 # Nights in hosp, prv 2 yrs	Cont
4	S4HSPNIT	S4HSPNIT:W4 # Nights in hosp, prv 2 yrs	Cont
5	S5HSPNIT	S5HSPNIT:W5 # Nights in hosp, prv 2 yrs	Cont
6	S6HSPNIT	S6HSPNIT:W6 # Nights in hosp, prv 2 yrs	Cont
7	S7HSPNIT	S7HSPNIT:W7 # Nights in hosp, prv 2 yrs	Cont
8	S8HSPNIT	S8HSPNIT:W8 # Nights in hosp, prv 2 yrs	Cont
9	S9HSPNIT	S9HSPNIT:W9 # Nights in hosp, prv 2 yrs	Cont
10	S10HSPNIT	S10HSPNIT:W10 # Nights in hosp, prv 2 yrs	Cont
11	S11HSPNIT	S11HSPNIT:W11 # Nights in hosp, prv 2 yrs	Cont
12	S12HSPNIT	S12HSPNIT:W12 # Nights in hosp, prv 2 yrs	Cont
13	S13HSPNIT	S13HSPNIT:W13 # Nights in hosp, prv 2 yrs	Cont
E	REHOSP	REHOSP:EXIT Overnight hospital stay since PrvIvw before death	Categ
E	REHSPTIM	REHSPTIM:EXIT # Hospital stays since PrvIvw before death	Cont
E	REHSPNIT	REHSPNIT:EXIT # Hospital nights since PrvIvw before death	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HOSP	12640	0.11	0.32	0.0	1.0
R2HOSP	19807	0.20	0.40	0.0	1.0
R3HOSP	17945	0.25	0.43	0.0	1.0
R4HOSP	21345	0.26	0.44	0.0	1.0
R5HOSP	19540	0.26	0.44	0.0	1.0
R6HOSP	18121	0.28	0.45	0.0	1.0
R7HOSP	20066	0.26	0.44	0.0	1.0
R8HOSP	18431	0.27	0.45	0.0	1.0
R9HOSP	17166	0.28	0.45	0.0	1.0
R10HOSP	21725	0.28	0.45	0.0	1.0
R11HOSP	20456	0.26	0.44	0.0	1.0
R12HOSP	18648	0.25	0.43	0.0	1.0
R13HOSP	20737	0.25	0.43	0.0	1.0
S1HOSP	9891	0.11	0.31	0.0	1.0
S2HOSP	13283	0.18	0.39	0.0	1.0
S3HOSP	11900	0.22	0.42	0.0	1.0
S4HOSP	13972	0.24	0.43	0.0	1.0
S5HOSP	12716	0.23	0.42	0.0	1.0
S6HOSP	11624	0.25	0.43	0.0	1.0
S7HOSP	12953	0.23	0.42	0.0	1.0
S8HOSP	11727	0.25	0.43	0.0	1.0
S9HOSP	10629	0.26	0.44	0.0	1.0
S10HOSP	13335	0.25	0.44	0.0	1.0
S11HOSP	12456	0.23	0.42	0.0	1.0
S12HOSP	10980	0.22	0.42	0.0	1.0
S13HOSP	11715	0.22	0.42	0.0	1.0
R1HSPTIM	12634	0.19	0.96	0.0	60.0
R2HSPTIM	19795	0.37	1.68	0.0	99.0
R3HSPTIM	17925	0.45	1.27	0.0	75.0
R4HSPTIM	21321	0.48	1.29	0.0	51.0
R5HSPTIM	19521	0.45	1.45	0.0	120.0
R6HSPTIM	18077	0.49	1.27	0.0	60.0
R7HSPTIM	20021	0.47	1.34	0.0	60.0

R8HSPTIM	18384	0.48	1.13	0.0	25.0
R9HSPTIM	17127	0.51	1.24	0.0	50.0
R10HSPTIM	21675	0.56	1.63	0.0	75.0
R11HSPTIM	20396	0.49	1.30	0.0	33.0
R12HSPTIM	18601	0.48	1.39	0.0	50.0
R13HSPTIM	20668	0.52	1.61	0.0	88.0
S1HSPTIM	9888	0.17	0.66	0.0	21.0
S2HSPTIM	13080	0.32	1.45	0.0	96.0
S3HSPTIM	11892	0.38	1.07	0.0	50.0
S4HSPTIM	13960	0.42	1.18	0.0	51.0
S5HSPTIM	12710	0.39	1.50	0.0	120.0
S6HSPTIM	11604	0.43	1.26	0.0	60.0
S7HSPTIM	12934	0.40	1.05	0.0	30.0
S8HSPTIM	11711	0.43	1.07	0.0	25.0
S9HSPTIM	10615	0.44	1.21	0.0	50.0
S10HSPTIM	13314	0.49	1.48	0.0	75.0
S11HSPTIM	12426	0.43	1.21	0.0	30.0
S12HSPTIM	10963	0.41	1.29	0.0	50.0
S13HSPTIM	11696	0.43	1.52	0.0	88.0
R1HSPNIT	12626	1.22	7.36	0.0	182.0
R2HSPNIT	19645	2.14	10.39	0.0	350.0
R3HSPNIT	17865	2.61	10.64	0.0	520.0
R4HSPNIT	21261	2.60	12.18	0.0	970.0
R5HSPNIT	19465	2.40	10.86	0.0	730.0
R6HSPNIT	17998	2.65	12.19	0.0	730.0
R7HSPNIT	19957	2.45	11.46	0.0	712.0
R8HSPNIT	18325	2.57	12.31	0.0	614.0
R9HSPNIT	17047	2.43	10.60	0.0	609.0
R10HSPNIT	21590	2.42	10.06	0.0	400.0
R11HSPNIT	20318	2.15	9.70	0.0	450.0
R12HSPNIT	18510	2.06	10.55	0.0	730.0
R13HSPNIT	20596	2.17	10.35	0.0	375.0
S1HSPNIT	9881	1.06	6.50	0.0	182.0
S2HSPNIT	13067	1.85	9.32	0.0	300.0
S3HSPNIT	11871	2.02	9.26	0.0	520.0
S4HSPNIT	13941	2.15	12.08	0.0	970.0
S5HSPNIT	12691	1.92	10.73	0.0	730.0
S6HSPNIT	11568	2.06	7.53	0.0	152.0
S7HSPNIT	12913	1.98	9.94	0.0	712.0
S8HSPNIT	11684	2.07	10.02	0.0	500.0
S9HSPNIT	10591	2.08	10.33	0.0	609.0
S10HSPNIT	13284	2.07	9.42	0.0	365.0
S11HSPNIT	12400	1.83	8.47	0.0	393.0
S12HSPNIT	10932	1.75	8.77	0.0	300.0
S13HSPNIT	11676	1.73	9.48	0.0	375.0
REHOSP	14176	0.82	0.38	0.0	1.0
REHSPTIM	13675	2.41	3.98	0.0	99.0
REHSPNIT	13371	17.33	39.33	0.0	1350.0

Categorical Variable Codes

RwHOSP: Hospital stay, prv 2 yrs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3	8	13	16	15	23	34	18	29	33
.M=Oth missing	|	9	1	30	20	20	15	21	16	17	262
.R=RF	|		1	3	3	3	6	8	4	5	14
0.No	|	11197	15830	13462	15720	14513	13108	14803	13371	12306	15620
1.Yes	|	1443	3977	4483	5625	5027	5013	5263	5060	4860	6105

Value		w11	w12	w13
.D=DK/NA	|	29	40	42
.M=Oth missing	|	64	51	121
.R=RF	|	5	8	12
0.No	|	15235	14000	15523
1.Yes	|	5221	4648	5214

SwHOSP: Hospital stay, prv 2 yrs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	2	5	6	2	8	6	9	4	10	19
.M=Oth missing	|	7	1	10	6	5	5	4	3	4	149
.R=RF	|		1	1		1	4	6	1	3	10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
0.No	|	8817	10831	9244	10618	9800	8754	9911	8808	7914	9942
1.Yes	|	1074	2452	2656	3354	2916	2870	3042	2919	2715	3393

Value		w11	w12	w13
.D=DK/NA	|	12	15	21
.M=Oth missing	|	19	16	35
.R=RF	|	1	1	8
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	9552	8524	9117
1.Yes	|	2904	2456	2598

REHOSP: EXIT Overnight hospital stay since PrvIvw before death

Value	
.D=DK	75
.M=Oth missing	11
.R=RF	3
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	2542
1.Yes	11634

How Constructed

Core Interview Variables

RwHOSP indicates whether the Respondent reports any overnight hospital stay in the reference period. In Wave 1 and 2A, the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. If the Respondent reports any overnight hospital stay, RwhSPTIM is the reported number of stays and RwhSPNIT is the reported number of nights over all stays. If the previous interview was more than two years ago, it is possible for RwhSPNIT to exceed 720 (365 x 2 years, 365 x 4 years, etc.). These high values can be checked against the INW variables, which indicate whether the Respondent was present for the wave in question.

SwHOSP, SwHSPTIM, and SwHSPNIT give this information for the Respondent's spouse or partner.

Medical care utilization variables are recoded for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. RwhOSP is recoded as a yes/no indicator. If the Respondent did not report any hospital stay, then RwhSPTIM and RwhSPNIT are set to zero.

In Wave 2A, questions about hospital utilization were asked of the Financial Respondent (for both in a couple.) In addition, the question about any overnight hospital stay was asked of all individual Respondents. When both levels of information are available, the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible, we use HH level data to fill missing spouse/partners' information.

In Wave 2A, the S2HOSP is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HOSP is taken from the Wave 3 spouse's R3HOSP variable.

Exit Interview Variables

REHOSP indicates whether the Respondent had died in a hospital or had any overnight hospital stays between the last Core Interview and death.

REHSPTIM is the reported number of stays in a hospital between the last Core Interview and death. If the proxy indicates the Respondent had an overnight hospital stay at or before death, died in the hospital, or had an overnight hospital stay between the last Core Interview and death (i.e., REHOSP="1.Yes"), and the number of stays in a hospital (REHSPNIT) is zero or missing, we assign REHSPTIM a value of "1," indicating one stay in a hospital.

REHSPNIT is the total number of nights spent in the hospital over all stays between the previous interview and death. When REHOSP indicates hospital utilization, we use one of two methods to calculate REHSPNIT. If the proxy gives dates of hospital stays that begin after the Respondent's last Core Interview, we use the dates provided by the proxy; however, if the proxy gives an event of hospital utilization that begins before the last Core Interview date, we calculate REHSPNIT beginning with the last Core Interview

date and ending with the death date. If the proxy does not report that the Respondent had any hospital stay, then both REHSPTIM and REHSPNIT are set to zero.

Please note that it is not uncommon for the last Core Interview to be more than two years before the Exit interview, allowing for REHSPNIT to be greater than 730 nights. REHSPNIT can also indicate a fraction of a day, as in some cases, the amount of time spent in a hospital can be as little as an hour or ".042" of a day.

Core and Exit Differences

Core and Exit Interviews use different reference periods. The Core Interview uses the current and previous interview dates as the endpoints, whereas the Exit Interview uses the last Core Interview date and the death date.

From Exit Interview Wave 3 forward, there are two possible sets of questions to generate derived variables related to hospital utilization; time spent in a hospital before death; and the total number of nights spent in a hospital between the last Core Interview and death. The Core Interview has only one question.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Waves 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For hospital stays, the questions ask if the Respondent was a patient overnight, how many times, and how many nights altogether. In Wave 2A and from Wave 3 on, the question wording refers to "how many different times," instead of "how many times."

Exit Interview Variables

From Wave 3H forward, if the Respondent died in the hospital, the proxy is asked a separate question about the duration of the final hospital stay in addition to the question about the duration of all hospital stays after the last Core Interview and death.

From Wave 7 forward, the number of stays in a hospital can include stays in mental hospitals and sanitariums.

HRS Variables Used

Core Interview Variables

HRS 1992:
 V10533 B45:PST YR:HOSP OVRN:IND
 V533 B45:PST YR:HOSP OVRN:IMP
 V534 B45A:PST YR:TIMES HO:IMP
 V535 B45B:PST YR:#NIGHTS :IMP
 AHEAD 1993:
 B605R E1. R IN HOSPITAL LAST 12 MOS
 B606 E2. # TIMES R IN HOSPITAL LAST 12 MOS
 B607 E3. # NIGHTS IN HOSPITAL LAST 12 MOS
 HRS 1994:
 W410 B29.HOSPITAL OVERNIGHT
 W411 B29a.TIMES IN HOSPITAL O
 W412 B29b.NUMBER OF NIGHTS IN
 AHEAD 1995:
 D1664 E1. HOSPITAL
 D1665 E2. HOSPITAL TIMES
 D1666 E3. HOSP-1 #NIGHTS
 HRS 1996:
 E1770 E1. HOSPITAL-YR
 E1771 E2. HOSPITAL TIMES
 E1772 E3. HOSP-1 #NIGHTS
 HRS 1998:
 F2295 E1. HOSPITAL-YR
 F2296 E2. HOSPITAL TIMES
 F2297 E3. HOSP-1 #NIGHTS
 HRS 2000:
 G2567 E1. HOSPITAL-YR
 G2568 E2. HOSPITAL TIMES
 G2569 E3. HOSP-1 #NIGHTS
 HRS 2002-2016:
 xN099 OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
 xN100 NUM TIMES R STAYED OVERNIGHT IN HOSP
 xN101 NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL

Exit Interview Variables

HRS 1994:
 W410 B29.HOSPITAL OVERNIGHT
 W411 B29a.TIMES IN HOSPITAL O
 W412 B29b.NUMBER OF NIGHTS IN
 W413 B29b.UNITs IN HOSPITAL
 AHEAD 1995:
 N1664 E1.HOSPITAL-YR
 N1665 E2.HOSPITAL TIMES
 N1666 E3.HOSP-1 #NIGHTS
 HRS 1996:
 P1238 Ex1.HOSPITAL # NIGHTS - FINAL
 P1238A Ex1.HOSPITAL # NIGHTS - FINAL -PER
 P1245 E1. HOSPITAL-YR
 P1246 E2. HOSPITAL TIMES
 P1247 E3. HOSP-1 #NIGHTS
 HRS 2002-2016:
 xN099 OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
 xN100 NUM TIMES R STAYED OVERNIGHT IN HOSP
 xN101 NUM NIGHTS R SPENT OVERNIGHT IN HOSPITAL

xN301	TIME IN HOSPITAL BEFORE DEATH
xN302	TIME IN HOSPITAL BEFORE DEATH- UNIT

Medical care utilization: Nursing Home

Wave	Variable	Label	Type
1	R1NRSHOM	R1NRSHOM:W1 Nurs home stay, prv 12 mos	Categ
2	R2NRSHOM	R2NRSHOM:W2 Nurs home stay, prv 2 yrs	Categ
3	R3NRSHOM	R3NRSHOM:W3 Nurs home stay, prv 2 yrs	Categ
4	R4NRSHOM	R4NRSHOM:W4 Nurs home stay, prv 2 yrs	Categ
5	R5NRSHOM	R5NRSHOM:W5 Nurs home stay, prv 2 yrs	Categ
6	R6NRSHOM	R6NRSHOM:W6 Nurs home stay, prv 2 yrs	Categ
7	R7NRSHOM	R7NRSHOM:W7 Nurs home stay, prv 2 yrs	Categ
8	R8NRSHOM	R8NRSHOM:W8 Nurs home stay, prv 2 yrs	Categ
9	R9NRSHOM	R9NRSHOM:W9 Nurs home stay, prv 2 yrs	Categ
10	R10NRSHOM	R10NRSHOM:W10 Nurs home stay, prv 2 yrs	Categ
11	R11NRSHOM	R11NRSHOM:W11 Nurs home stay, prv 2 yrs	Categ
12	R12NRSHOM	R12NRSHOM:W12 Nurs home stay, prv 2 yrs	Categ
13	R13NRSHOM	R13NRSHOM:W13 Nurs home stay, prv 2 yrs	Categ
1	S1NRSHOM	S1NRSHOM:W1 Nurs home stay, prv 12 mos	Categ
2	S2NRSHOM	S2NRSHOM:W2 Nurs home stay, prv 2 yrs	Categ
3	S3NRSHOM	S3NRSHOM:W3 Nurs home stay, prv 2 yrs	Categ
4	S4NRSHOM	S4NRSHOM:W4 Nurs home stay, prv 2 yrs	Categ
5	S5NRSHOM	S5NRSHOM:W5 Nurs home stay, prv 2 yrs	Categ
6	S6NRSHOM	S6NRSHOM:W6 Nurs home stay, prv 2 yrs	Categ
7	S7NRSHOM	S7NRSHOM:W7 Nurs home stay, prv 2 yrs	Categ
8	S8NRSHOM	S8NRSHOM:W8 Nurs home stay, prv 2 yrs	Categ
9	S9NRSHOM	S9NRSHOM:W9 Nurs home stay, prv 2 yrs	Categ
10	S10NRSHOM	S10NRSHOM:W10 Nurs home stay, prv 2 yrs	Categ
11	S11NRSHOM	S11NRSHOM:W11 Nurs home stay, prv 2 yrs	Categ
12	S12NRSHOM	S12NRSHOM:W12 Nurs home stay, prv 2 yrs	Categ
13	S13NRSHOM	S13NRSHOM:W13 Nurs home stay, prv 2 yrs	Categ
1	R1NRSTIM	R1NRSTIM:W1 # Nrs home stys, prv 12 mos	Cont
2	R2NRSTIM	R2NRSTIM:W2 # Nurs home stays, prv 2 yrs	Cont
3	R3NRSTIM	R3NRSTIM:W3 # Nurs home stays, prv 2 yrs	Cont
4	R4NRSTIM	R4NRSTIM:W4 # Nurs home stays, prv 2 yrs	Cont
5	R5NRSTIM	R5NRSTIM:W5 # Nurs home stays, prv 2 yrs	Cont
6	R6NRSTIM	R6NRSTIM:W6 # Nurs home stays, prv 2 yrs	Cont
7	R7NRSTIM	R7NRSTIM:W7 # Nurs home stays, prv 2 yrs	Cont
8	R8NRSTIM	R8NRSTIM:W8 # Nurs home stays, prv 2 yrs	Cont
9	R9NRSTIM	R9NRSTIM:W9 # Nurs home stays, prv 2 yrs	Cont
10	R10NRSTIM	R10NRSTIM:W10 # Nurs home stays, prv 2 yrs	Cont
11	R11NRSTIM	R11NRSTIM:W11 # Nurs home stays, prv 2 yrs	Cont
12	R12NRSTIM	R12NRSTIM:W12 # Nurs home stays, prv 2 yrs	Cont
13	R13NRSTIM	R13NRSTIM:W13 # Nurs home stays, prv 2 yrs	Cont
1	S1NRSTIM	S1NRSTIM:W1 # Nrs home stys, prv 12 mos	Cont
2	S2NRSTIM	S2NRSTIM:W2 # Nurs home stays, prv 2 yrs	Cont
3	S3NRSTIM	S3NRSTIM:W3 # Nurs home stays, prv 2 yrs	Cont
4	S4NRSTIM	S4NRSTIM:W4 # Nurs home stays, prv 2 yrs	Cont
5	S5NRSTIM	S5NRSTIM:W5 # Nurs home stays, prv 2 yrs	Cont
6	S6NRSTIM	S6NRSTIM:W6 # Nurs home stays, prv 2 yrs	Cont
7	S7NRSTIM	S7NRSTIM:W7 # Nurs home stays, prv 2 yrs	Cont
8	S8NRSTIM	S8NRSTIM:W8 # Nurs home stays, prv 2 yrs	Cont
9	S9NRSTIM	S9NRSTIM:W9 # Nurs home stays, prv 2 yrs	Cont
10	S10NRSTIM	S10NRSTIM:W10 # Nurs home stays, prv 2 yrs	Cont
11	S11NRSTIM	S11NRSTIM:W11 # Nurs home stays, prv 2 yrs	Cont
12	S12NRSTIM	S12NRSTIM:W12 # Nurs home stays, prv 2 yrs	Cont
13	S13NRSTIM	S13NRSTIM:W13 # Nurs home stays, prv 2 yrs	Cont
1	R1NRSNIT	R1NRSNIT:W1 # Nrs home nghts, prv 12 mos	Cont
2	R2NRSNIT	R2NRSNIT:W2 # Nights in nurs home, prv 2 yrs	Cont
3	R3NRSNIT	R3NRSNIT:W3 # Nights in nurs home, prv 2 yrs	Cont
4	R4NRSNIT	R4NRSNIT:W4 # Nights in nurs home, prv 2 yrs	Cont
5	R5NRSNIT	R5NRSNIT:W5 # Nights in nurs home, prv 2 yrs	Cont
6	R6NRSNIT	R6NRSNIT:W6 # Nights in nurs home, prv 2 yrs	Cont
7	R7NRSNIT	R7NRSNIT:W7 # Nights in nurs home, prv 2 yrs	Cont
8	R8NRSNIT	R8NRSNIT:W8 # Nights in nurs home, prv 2 yrs	Cont
9	R9NRSNIT	R9NRSNIT:W9 # Nights in nurs home, prv 2 yrs	Cont
10	R10NRSNIT	R10NRSNIT:W10 # Nights in nurs home, prv 2 yrs	Cont

11	R11NRSNIT	R11NRSNIT:W11 # Nights in nurs home, prv 2 yrs	Cont
12	R12NRSNIT	R12NRSNIT:W12 # Nights in nurs home, prv 2 yrs	Cont
13	R13NRSNIT	R13NRSNIT:W13 # Nights in nurs home, prv 2 yrs	Cont
1	S1NRSNIT	S1NRSNIT:W1 # Nrs home nghts, prv 12 mos	Cont
2	S2NRSNIT	S2NRSNIT:W2 # Nights in nurs home, prv 2 yrs	Cont
3	S3NRSNIT	S3NRSNIT:W3 # Nights in nurs home, prv 2 yrs	Cont
4	S4NRSNIT	S4NRSNIT:W4 # Nights in nurs home, prv 2 yrs	Cont
5	S5NRSNIT	S5NRSNIT:W5 # Nights in nurs home, prv 2 yrs	Cont
6	S6NRSNIT	S6NRSNIT:W6 # Nights in nurs home, prv 2 yrs	Cont
7	S7NRSNIT	S7NRSNIT:W7 # Nights in nurs home, prv 2 yrs	Cont
8	S8NRSNIT	S8NRSNIT:W8 # Nights in nurs home, prv 2 yrs	Cont
9	S9NRSNIT	S9NRSNIT:W9 # Nights in nurs home, prv 2 yrs	Cont
10	S10NRSNIT	S10NRSNIT:W10 # Nights in nurs home, prv 2 yrs	Cont
11	S11NRSNIT	S11NRSNIT:W11 # Nights in nurs home, prv 2 yrs	Cont
12	S12NRSNIT	S12NRSNIT:W12 # Nights in nurs home, prv 2 yrs	Cont
13	S13NRSNIT	S13NRSNIT:W13 # Nights in nurs home, prv 2 yrs	Cont
3	R3NHMLIV	R3NHMLIV:W3 Live in Nurs home at Iview	Categ
4	R4NHMLIV	R4NHMLIV:W4 Live in Nurs home at Iview	Categ
5	R5NHMLIV	R5NHMLIV:W5 Live in Nurs home at Iview	Categ
6	R6NHMLIV	R6NHMLIV:W6 Live in Nurs home at Iview	Categ
7	R7NHMLIV	R7NHMLIV:W7 Live in Nurs home at Iview	Categ
8	R8NHMLIV	R8NHMLIV:W8 Live in Nurs home at Iview	Categ
9	R9NHMLIV	R9NHMLIV:W9 Live in Nurs home at Iview	Categ
10	R10NHMLIV	R10NHMLIV:W10 Live in Nurs home at Iview	Categ
11	R11NHMLIV	R11NHMLIV:W11 Live in Nurs home at Iview	Categ
12	R12NHMLIV	R12NHMLIV:W12 Live in Nurs home at Iview	Categ
13	R13NHMLIV	R13NHMLIV:W13 Live in Nurs home at Iview	Categ
3	S3NHMLIV	S3NHMLIV:W3 Live in Nurs home at Iview	Categ
4	S4NHMLIV	S4NHMLIV:W4 Live in Nurs home at Iview	Categ
5	S5NHMLIV	S5NHMLIV:W5 Live in Nurs home at Iview	Categ
6	S6NHMLIV	S6NHMLIV:W6 Live in Nurs home at Iview	Categ
7	S7NHMLIV	S7NHMLIV:W7 Live in Nurs home at Iview	Categ
8	S8NHMLIV	S8NHMLIV:W8 Live in Nurs home at Iview	Categ
9	S9NHMLIV	S9NHMLIV:W9 Live in Nurs home at Iview	Categ
10	S10NHMLIV	S10NHMLIV:W10 Live in Nurs home at Iview	Categ
11	S11NHMLIV	S11NHMLIV:W11 Live in Nurs home at Iview	Categ
12	S12NHMLIV	S12NHMLIV:W12 Live in Nurs home at Iview	Categ
13	S13NHMLIV	S13NHMLIV:W13 Live in Nurs home at Iview	Categ
3	R3NHMMVY	R3NHMMVY:W3 Year moved to Nurs home	Cont
4	R4NHMMVY	R4NHMMVY:W4 Year moved to Nurs home	Cont
5	R5NHMMVY	R5NHMMVY:W5 Year moved to Nurs home	Cont
6	R6NHMMVY	R6NHMMVY:W6 Year moved to Nurs home	Cont
7	R7NHMMVY	R7NHMMVY:W7 Year moved to Nurs home	Cont
8	R8NHMMVY	R8NHMMVY:W8 Year moved to Nurs home	Cont
9	R9NHMMVY	R9NHMMVY:W9 Year moved to Nurs home	Cont
10	R10NHMMVY	R10NHMMVY:W10 Year moved to Nurs home	Cont
11	R11NHMMVY	R11NHMMVY:W11 Year moved to Nurs home	Cont
12	R12NHMMVY	R12NHMMVY:W12 Year moved to Nurs home	Cont
13	R13NHMMVY	R13NHMMVY:W13 Year moved to Nurs home	Cont
3	S3NHMMVY	S3NHMMVY:W3 Year moved to Nurs home	Cont
4	S4NHMMVY	S4NHMMVY:W4 Year moved to Nurs home	Cont
5	S5NHMMVY	S5NHMMVY:W5 Year moved to Nurs home	Cont
6	S6NHMMVY	S6NHMMVY:W6 Year moved to Nurs home	Cont
7	S7NHMMVY	S7NHMMVY:W7 Year moved to Nurs home	Cont
8	S8NHMMVY	S8NHMMVY:W8 Year moved to Nurs home	Cont
9	S9NHMMVY	S9NHMMVY:W9 Year moved to Nurs home	Cont
10	S10NHMMVY	S10NHMMVY:W10 Year moved to Nurs home	Cont
11	S11NHMMVY	S11NHMMVY:W11 Year moved to Nurs home	Cont
12	S12NHMMVY	S12NHMMVY:W12 Year moved to Nurs home	Cont
13	S13NHMMVY	S13NHMMVY:W13 Year moved to Nurs home	Cont
3	R3NHMMVM	R3NHMMVM:W3 Month moved to Nurs home	Cont
4	R4NHMMVM	R4NHMMVM:W4 Month moved to Nurs home	Cont
5	R5NHMMVM	R5NHMMVM:W5 Month moved to Nurs home	Cont
6	R6NHMMVM	R6NHMMVM:W6 Month moved to Nurs home	Cont
7	R7NHMMVM	R7NHMMVM:W7 Month moved to Nurs home	Cont
8	R8NHMMVM	R8NHMMVM:W8 Month moved to Nurs home	Cont

9	R9NHMMVM	R9NHMMVM:W9 Month moved to Nurs home	Cont
10	R10NHMMVM	R10NHMMVM:W10 Month moved to Nurs home	Cont
11	R11NHMMVM	R11NHMMVM:W11 Month moved to Nurs home	Cont
12	R12NHMMVM	R12NHMMVM:W12 Month moved to Nurs home	Cont
13	R13NHMMVM	R13NHMMVM:W13 Month moved to Nurs home	Cont
3	S3NHMMVM	S3NHMMVM:W3 Month moved to Nurs home	Cont
4	S4NHMMVM	S4NHMMVM:W4 Month moved to Nurs home	Cont
5	S5NHMMVM	S5NHMMVM:W5 Month moved to Nurs home	Cont
6	S6NHMMVM	S6NHMMVM:W6 Month moved to Nurs home	Cont
7	S7NHMMVM	S7NHMMVM:W7 Month moved to Nurs home	Cont
8	S8NHMMVM	S8NHMMVM:W8 Month moved to Nurs home	Cont
9	S9NHMMVM	S9NHMMVM:W9 Month moved to Nurs home	Cont
10	S10NHMMVM	S10NHMMVM:W10 Month moved to Nurs home	Cont
11	S11NHMMVM	S11NHMMVM:W11 Month moved to Nurs home	Cont
12	S12NHMMVM	S12NHMMVM:W12 Month moved to Nurs home	Cont
13	S13NHMMVM	S13NHMMVM:W13 Month moved to Nurs home	Cont
3	R3NHMDAY	R3NHMDAY:W3 Days in NH from Move/PrvIvw	Cont
4	R4NHMDAY	R4NHMDAY:W4 Days in NH from Move/PrvIvw	Cont
5	R5NHMDAY	R5NHMDAY:W5 Days in NH from Move/PrvIvw	Cont
6	R6NHMDAY	R6NHMDAY:W6 Days in NH from Move/PrvIvw	Cont
7	R7NHMDAY	R7NHMDAY:W7 Days in NH from Move/PrvIvw	Cont
8	R8NHMDAY	R8NHMDAY:W8 Days in NH from Move/PrvIvw	Cont
9	R9NHMDAY	R9NHMDAY:W9 Days in NH from Move/PrvIvw	Cont
10	R10NHMDAY	R10NHMDAY:W10 Days in NH from Move/PrvIvw	Cont
11	R11NHMDAY	R11NHMDAY:W11 Days in NH from Move/PrvIvw	Cont
12	R12NHMDAY	R12NHMDAY:W12 Days in NH from Move/PrvIvw	Cont
13	R13NHMDAY	R13NHMDAY:W13 Days in NH from Move/PrvIvw	Cont
3	S3NHMDAY	S3NHMDAY:W3 Days in NH from Move/PrvIvw	Cont
4	S4NHMDAY	S4NHMDAY:W4 Days in NH from Move/PrvIvw	Cont
5	S5NHMDAY	S5NHMDAY:W5 Days in NH from Move/PrvIvw	Cont
6	S6NHMDAY	S6NHMDAY:W6 Days in NH from Move/PrvIvw	Cont
7	S7NHMDAY	S7NHMDAY:W7 Days in NH from Move/PrvIvw	Cont
8	S8NHMDAY	S8NHMDAY:W8 Days in NH from Move/PrvIvw	Cont
9	S9NHMDAY	S9NHMDAY:W9 Days in NH from Move/PrvIvw	Cont
10	S10NHMDAY	S10NHMDAY:W10 Days in NH from Move/PrvIvw	Cont
11	S11NHMDAY	S11NHMDAY:W11 Days in NH from Move/PrvIvw	Cont
12	S12NHMDAY	S12NHMDAY:W12 Days in NH from Move/PrvIvw	Cont
13	S13NHMDAY	S13NHMDAY:W13 Days in NH from Move/PrvIvw	Cont
E	RENRSOM	RENRSOM:EXIT NH stay	Categ
E	RENRSSTIM	RENRSSTIM:EXIT # NH stays	Cont
E	RENRSNIT	RENRSNIT:EXIT # Nights in NH	Cont
E	RENHMLIV	RENHMLIV:EXIT Lived in NH at time of death	Categ
E	RENHMMVY	RENHMMVY:EXIT Year moved to NH	Cont
E	RENHMMVM	RENHMMVM:EXIT Month moved to NH	Cont
E	RENHMDAY	RENHMDAY:EXIT Days in NH from move/PrvIvw before death	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1NRSHOM	12623	0.00	0.03	0.0	1.0
R2NRSHOM	19815	0.01	0.09	0.0	1.0
R3NRSHOM	17953	0.03	0.16	0.0	1.0
R4NRSHOM	21362	0.03	0.18	0.0	1.0
R5NRSHOM	19559	0.04	0.19	0.0	1.0
R6NRSHOM	18137	0.05	0.21	0.0	1.0
R7NRSHOM	20101	0.04	0.19	0.0	1.0
R8NRSHOM	18445	0.05	0.21	0.0	1.0
R9NRSHOM	17188	0.05	0.22	0.0	1.0
R10NRSHOM	21744	0.05	0.21	0.0	1.0
R11NRSHOM	20481	0.05	0.22	0.0	1.0
R12NRSHOM	18685	0.05	0.23	0.0	1.0

R13NRSHOM	20777	0.05	0.21	0.0	1.0
S1NRSHOM	9878	0.00	0.03	0.0	1.0
S2NRSHOM	13288	0.01	0.09	0.0	1.0
S3NRSHOM	11904	0.01	0.11	0.0	1.0
S4NRSHOM	13974	0.01	0.12	0.0	1.0
S5NRSHOM	12725	0.02	0.13	0.0	1.0
S6NRSHOM	11627	0.02	0.14	0.0	1.0
S7NRSHOM	12962	0.02	0.13	0.0	1.0
S8NRSHOM	11729	0.02	0.15	0.0	1.0
S9NRSHOM	10635	0.02	0.15	0.0	1.0
S10NRSHOM	13350	0.03	0.16	0.0	1.0
S11NRSHOM	12465	0.03	0.16	0.0	1.0
S12NRSHOM	10990	0.03	0.17	0.0	1.0
S13NRSHOM	11736	0.02	0.15	0.0	1.0
R1NRSTIM	12623	0.00	0.03	0.0	1.0
R2NRSTIM	19811	0.01	0.39	0.0	50.0
R3NRSTIM	17941	0.03	0.25	0.0	11.0
R4NRSTIM	21333	0.04	0.62	0.0	73.0
R5NRSTIM	19538	0.04	0.26	0.0	10.0
R6NRSTIM	18107	0.06	0.57	0.0	58.0
R7NRSTIM	20077	0.05	0.69	0.0	71.0
R8NRSTIM	18426	0.06	0.49	0.0	30.0
R9NRSTIM	17164	0.07	0.57	0.0	56.0
R10NRSTIM	21705	0.06	0.48	0.0	50.0
R11NRSTIM	20404	0.07	1.00	0.0	90.0
R12NRSTIM	18609	0.07	0.70	0.0	76.0
R13NRSTIM	20695	0.07	0.82	0.0	90.0
S1NRSTIM	9878	0.00	0.03	0.0	1.0
S2NRSTIM	13087	0.01	0.44	0.0	50.0
S3NRSTIM	11899	0.02	0.18	0.0	10.0
S4NRSTIM	13964	0.02	0.34	0.0	36.0
S5NRSTIM	12717	0.02	0.18	0.0	9.0
S6NRSTIM	11623	0.03	0.35	0.0	30.0
S7NRSTIM	12958	0.02	0.18	0.0	9.0
S8NRSTIM	11725	0.03	0.38	0.0	24.0
S9NRSTIM	10630	0.03	0.58	0.0	56.0
S10NRSTIM	13340	0.04	0.51	0.0	50.0
S11NRSTIM	12455	0.04	0.39	0.0	36.0
S12NRSTIM	10974	0.04	0.76	0.0	76.0
S13NRSTIM	11718	0.03	0.35	0.0	20.0
R1NRSNIT	12623	0.10	4.91	0.0	365.0
R2NRSNIT	19805	0.40	8.79	0.0	510.0
R3NRSNIT	17926	6.10	56.95	0.0	1644.0
R4NRSNIT	21328	9.50	77.43	0.0	1440.0
R5NRSNIT	19524	10.94	82.56	0.0	1674.0
R6NRSNIT	18096	12.99	97.05	0.0	2283.0
R7NRSNIT	20069	11.02	83.91	0.0	3349.0
R8NRSNIT	18411	12.31	89.30	0.0	2344.0
R9NRSNIT	17147	13.06	90.58	0.0	1614.0
R10NRSNIT	21695	12.57	103.68	0.0	5325.0
R11NRSNIT	20404	10.78	82.61	0.0	2922.0
R12NRSNIT	18634	11.86	83.74	0.0	1620.0
R13NRSNIT	20703	11.94	95.94	0.0	1795.0
S1NRSNIT	9878	0.10	5.15	0.0	365.0

S2NRSNIT	13084	0.18	5.46	0.0	360.0
S3NRSNIT	11896	3.01	43.10	0.0	1644.0
S4NRSNIT	13966	3.17	44.97	0.0	1308.0
S5NRSNIT	12715	3.55	46.67	0.0	1583.0
S6NRSNIT	11618	3.65	50.67	0.0	2252.0
S7NRSNIT	12960	2.77	39.62	0.0	1371.0
S8NRSNIT	11720	3.42	45.70	0.0	2100.0
S9NRSNIT	10629	3.10	39.50	0.0	945.0
S10NRSNIT	13340	3.78	46.77	0.0	1034.0
S11NRSNIT	12443	3.96	50.69	0.0	2922.0
S12NRSNIT	10978	3.54	42.36	0.0	1200.0
S13NRSNIT	11718	3.75	51.32	0.0	1659.0
R3NHMLIV	17991	0.02	0.13	0.0	1.0
R4NHMLIV	21384	0.02	0.14	0.0	1.0
R5NHMLIV	19578	0.02	0.15	0.0	1.0
R6NHMLIV	18165	0.03	0.16	0.0	1.0
R7NHMLIV	20129	0.02	0.15	0.0	1.0
R8NHMLIV	18469	0.02	0.15	0.0	1.0
R9NHMLIV	17217	0.03	0.16	0.0	1.0
R10NHMLIV	22034	0.02	0.14	0.0	1.0
R11NHMLIV	20554	0.02	0.15	0.0	1.0
R12NHMLIV	18747	0.02	0.15	0.0	1.0
R13NHMLIV	20912	0.02	0.14	0.0	1.0
S3NHMLIV	11917	0.01	0.08	0.0	1.0
S4NHMLIV	13980	0.01	0.08	0.0	1.0
S5NHMLIV	12730	0.01	0.09	0.0	1.0
S6NHMLIV	11639	0.01	0.08	0.0	1.0
S7NHMLIV	12972	0.01	0.08	0.0	1.0
S8NHMLIV	11735	0.01	0.08	0.0	1.0
S9NHMLIV	10646	0.01	0.08	0.0	1.0
S10NHMLIV	13513	0.01	0.09	0.0	1.0
S11NHMLIV	12488	0.01	0.09	0.0	1.0
S12NHMLIV	11012	0.01	0.09	0.0	1.0
S13NHMLIV	11779	0.01	0.09	0.0	1.0
R3NHMMVY	290	1994.48	1.52	1978.0	1996.0
R4NHMMVY	416	1995.53	6.17	1919.0	1999.0
R5NHMMVY	449	1997.99	2.78	1968.0	2000.0
R6NHMMVY	434	1999.64	5.31	1910.0	2002.0
R7NHMMVY	436	2001.69	2.64	1984.0	2005.0
R8NHMMVY	421	2002.61	9.79	1913.0	2007.0
R9NHMMVY	411	2005.93	2.33	1994.0	2008.0
R10NHMMVY	443	2007.90	3.36	1963.0	2011.0
R11NHMMVY	450	2009.54	5.19	1917.0	2013.0
R12NHMMVY	410	2011.43	3.02	1984.0	2014.0
R13NHMMVY	394	2013.27	5.84	1922.0	2017.0
S3NHMMVY	80	1994.13	2.31	1978.0	1996.0
S4NHMMVY	85	1993.26	11.57	1919.0	1999.0
S5NHMMVY	93	1997.63	4.07	1968.0	2000.0
S6NHMMVY	73	2000.03	2.25	1989.0	2002.0
S7NHMMVY	76	2002.13	2.80	1989.0	2004.0
S8NHMMVY	82	2003.40	7.91	1935.0	2006.0
S9NHMMVY	75	2006.61	1.77	1999.0	2008.0
S10NHMMVY	107	2008.83	1.97	1998.0	2011.0
S11NHMMVY	95	2010.14	2.28	1998.0	2013.0
S12NHMMVY	80	2012.18	2.09	2002.0	2014.0

S13NHMMVY	85	2014.39	2.96	1995.0	2017.0
R3NHMMVM	289	5.90	3.73	1.0	12.0
R4NHMMVM	412	5.75	3.54	1.0	12.0
R5NHMMVM	435	5.84	3.43	1.0	12.0
R6NHMMVM	382	5.99	3.38	1.0	12.0
R7NHMMVM	388	5.95	3.30	1.0	12.0
R8NHMMVM	380	6.43	3.37	1.0	12.0
R9NHMMVM	368	6.50	3.37	1.0	12.0
R10NHMMVM	406	7.03	3.35	1.0	12.0
R11NHMMVM	419	6.38	3.49	1.0	12.0
R12NHMMVM	389	6.49	3.45	1.0	12.0
R13NHMMVM	367	6.27	3.42	1.0	12.0
S3NHMMVM	78	6.13	3.92	1.0	12.0
S4NHMMVM	84	5.12	3.50	1.0	12.0
S5NHMMVM	90	5.58	3.39	1.0	12.0
S6NHMMVM	66	7.09	3.62	1.0	12.0
S7NHMMVM	70	5.91	3.29	1.0	12.0
S8NHMMVM	77	6.55	3.34	1.0	12.0
S9NHMMVM	70	7.09	3.38	1.0	12.0
S10NHMMVM	106	6.92	3.57	1.0	12.0
S11NHMMVM	92	5.55	3.54	1.0	12.0
S12NHMMVM	77	6.88	3.87	1.0	12.0
S13NHMMVM	82	6.51	3.36	1.0	12.0
R3NHMDAY	290	369.55	266.00	15.0	1644.0
R4NHMDAY	416	455.20	303.56	15.0	1612.0
R5NHMDAY	449	467.11	304.02	15.0	1736.0
R6NHMDAY	434	516.16	339.91	15.0	2283.0
R7NHMDAY	435	468.60	308.10	15.0	3349.0
R8NHMDAY	421	483.27	300.62	15.0	2100.0
R9NHMDAY	411	477.39	306.34	15.0	1614.0
R10NHMDAY	443	533.24	351.49	15.0	1765.0
R11NHMDAY	450	446.70	289.83	15.0	2769.0
R12NHMDAY	410	481.98	267.05	15.0	1371.0
R13NHMDAY	394	575.86	341.44	15.0	1795.0
S3NHMDAY	80	419.76	312.00	15.0	1644.0
S4NHMDAY	85	479.51	327.14	15.0	1612.0
S5NHMDAY	93	455.94	307.90	15.0	1583.0
S6NHMDAY	73	498.68	359.12	15.0	2252.0
S7NHMDAY	76	385.86	307.38	15.0	1371.0
S8NHMDAY	82	417.56	345.16	15.0	2100.0
S9NHMDAY	75	371.41	267.35	15.0	945.0
S10NHMDAY	107	414.84	306.97	15.0	1034.0
S11NHMDAY	95	409.89	244.03	15.0	884.0
S12NHMDAY	80	424.94	286.98	15.0	1371.0
S13NHMDAY	85	476.02	363.47	15.0	1659.0
RENRSOM	14215	0.43	0.49	0.0	1.0
RENRSIM	14163	0.57	1.77	0.0	100.0
RENRSNIT	13692	78.07	183.57	0.0	3328.0
RENHMLIV	14089	0.32	0.47	0.0	1.0
RENHMMVY	4401	2004.39	6.40	1965.0	2017.0
RENHMMVM	4091	6.32	3.48	1.0	12.0
RENHMDAY	4343	228.86	247.28	8.0	2877.0

Categorical Variable Codes

RwNRSHOM: Nurs home stay, prv 2 yrs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	7		1		1	6	3	4	8	15
.M=Oth missing	|	22	1	35	18	17	15	18	16	16	262
.R=RF	|		1	2	4	1	7	7	4	5	13
0.No	|	12609	19665	17456	20651	18836	17303	19306	17580	16319	20701
1.Yes	|	14	150	497	711	723	834	795	865	869	1043

Value		w11	w12	w13
.D=DK/NA	|	7	12	11
.M=Oth missing	|	63	48	117
.R=RF	|	3	2	7
0.No	|	19469	17679	19830
1.Yes	|	1012	1006	947

SwNRSHOM: Nurs home stay, prv 2 yrs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	6					3	1	1	4	4
.M=Oth missing	|	16	1	13	6	5	5	4	3	4	150
.R=RF	|		1				4	5	2	3	9
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
0.No	|	9868	13186	11753	13777	12522	11384	12750	11464	10399	13003
1.Yes	|	10	102	151	197	203	243	212	265	236	347

Value		w11	w12	w13
.D=DK/NA	|	2	6	4
.M=Oth missing	|	19	15	34
.R=RF	|	2	1	5
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	12138	10675	11462
1.Yes	|	327	315	274

RwNHMLIV: Live in Nurs home at Iview

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	|			17693	20955	19122	17705	19669	18031	16776	21565
1.Yes	|			298	429	456	460	460	438	441	469
Value		w11	w12	w13							
0.No	|	20076	18305	20483							
1.Yes	|	478	442	429							

SwNHMLIV: Live in Nurs home at Iview

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.No	|			11835	13892	12635	11557	12892	11652	10570	13405
1.Yes	|			82	88	95	82	80	83	76	108
Value		w11	w12	w13							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	12391	10930	11690							
1.Yes	|	97	82	89							

RENRSOM: EXIT NH stay

Value		
.D=DK	|	36
.M=Oth missing	|	11
.R=RF	|	3
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	8122
1.Yes	|	6093

RENHMLIV: EXIT Lived in NH at time of death

Value	
.D=DK	1
.Q=Not asked this wave	175
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	9531
1.Yes	4558

How Constructed

Core Interview Variables

RwNRSHOM indicates whether the Respondent reports any overnight nursing home stay in the reference period. In Waves 1 and 2A, the reference period is 12 months, in other waves it is the period since the last interview, or the last 2 years for new interviewees. If the Respondent reports any overnight nursing home stay, RwNRSTIM is the reported number of stays, and RwNRSNIT is the reported number of nights over all stays.

From Wave 3 forward, a set of related variables provides information about nursing home residence when the Respondent is living in a nursing home at the time of the interview. RwNHMLIV indicates whether the Respondent lives in a nursing home or other health care facility at the time of the interview. For those living in a nursing home, RwNHMMVY and RwNHMMVM give the year and month of moving into the facility. RwNHMDAY is the calculated number days since the last interview that the Respondent has been living in a nursing home. If the move-in date is after the previous interview then RwNHMDAY is assigned the number of days between the 15th of the move-in month and the 15th of the current interview month. If the move-in date is earlier than the previous interview then RwNHMDAY is assigned the number of days between interviews.

Beginning with Tracker 2004 V1, HRS implemented a verified nursing home residence flag for each wave (xNURSHM). From Wave 5 forward, there are cases at each interview where this information conflicts with nursing home residency reported in the core data cover sheet section. We incorporate the verified nursing home information from Tracker with nursing home utilization information. The question about any nursing home stay is filled by default as "Yes" for those living in a nursing home; in some cases the interviewer seems to have over-ridden this with a "No," but in others this did not occur. We examine these cases for length of stay, residency move-in date, and missing answers to estimate whether there is any nursing home utilization besides the residency reported in the core data, which HRS has determined is NOT a nursing home. If the length of stay is reported as zero nights, continuous since move-in (996), or is about the same as the length of residency as determined from move-in dates, then we assume that the stay is the same as the residence which is not a nursing home, i.e., that there is no nursing home utilization. If the answers to the number of times or number of nights are missing, we assume these indicate the realization that the current residence is not a nursing home, without knowing how to undo the default assumption of a nursing home stay, so in this case we also assume no nursing home utilization. If the number of stays is given as 5, we assume this was intended to be the normal code for "No," and assume no nursing home utilization in this situation as well. We also apply the Tracker information to RwNHMLIV, RwNHMMVM, RwNHMMVY, and RwNHMDAY. If Tracker indicates that the Respondent is not a nursing home resident, RwNHMLIV is set to "No" and the rest of the variables are irrelevant.

SwNRSHOM, SwNRSTIM, SwNRSNIT, SwNHMLIV, SwNHMMVY, SwNHMMVM, SwNHMDAY give this information for the Respondent's spouse or partner.

Medical care utilization variables are recoded for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. RwNRSHOM is recoded as a yes/no indicator. From Wave 3 forward, if the Respondent is currently in a nursing home, RwNRSHOM is set to yes. If the Respondent did not report any nursing home stay, then RwNRSTIM and RwNRSNIT are set to zero. Also from Wave 3 forward, the number of nights in a nursing home could be reported as 996, indicating "continuous since entered," if the Respondent is living in a nursing home at the time of the interview. For these cases, RwNHMDAY is assigned to RwNRSNIT, unless more than one stay is reported and the number of days for the current stay is less than

the time since last interview. If more than one stay is reported and RwnHMDAY is less than the entire time since last interview, then RwnRSNIT is assigned the special missing value .L, as the length of at least one of the prior stays is unknown. If the previous interview was more than two years ago, then it is possible for RwnRSNIT to exceed 720 (365 x 2 years, 365 x 4 years, etc.). These high values can be checked against the INW variables, which indicate whether the Respondent was present for the Wave in question.

In Wave 2A, the question about any overnight nursing home stay was asked at the household level of Financial Respondents for both the Financial Respondent and spouse, and of all individual Respondents as well. When both levels of information are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible, we use HH level data to fill missing spouse/partners' information.

In Wave 2A, the S2NRSNIT is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3NRSNIT is taken from the Wave 3 spouse's R3NRSNIT variable.

Exit Interview Variables

RENRSNIT indicates whether the Respondent had died in a nursing home or had any nursing home stays between the last Core Interview and death. RENRSTIM is the reported number of stays and RENRSNIT is the reported number of nights calculated over all stays between the last Core Interview and death.

RENHMLIV indicates whether the Respondent lived in a nursing home between the last Core Interview and death. If RENHMLIV="1. Yes" (i.e., the Respondent lived in a nursing home until death), RENHMDAY is the number of days lived in the nursing home, between the move-in date or Core Interview and death. RENHMMVM and RENHMMVY are the month and year that the Respondent moved into the nursing home where they lived until death.

RENRSNIT is derived from several nursing home utilization variables. In Wave 2H, one question asks if the Respondent spent a night in a nursing home. In all other waves, several questions can result in RENRSNIT="1.Yes," such as living in a nursing home at death, additional overnight stays in a nursing home, or dying in a nursing home.

RENRSTIM is the reported number of overnight stays in a nursing home between the last Core Interview and death. If the proxy indicates that the Respondent lived in a nursing home until death, had a stay in a nursing home, or died in a nursing home (i.e., RENRSNIT="1.Yes"), and the number of nursing home stays (RENRSTIM) is zero or missing, we assign RENRSTIM a value of "1," indicating one stay in a nursing home.

When RENRSNIT indicates nursing home utilization, we use one of two methods to calculate RENRSNIT. If the proxy gives dates of nursing home stays that begin after the last Core Interview, we use the dates provided by the proxy; however, if the proxy gives dates of nursing home stays that begin before the last Core Interview date, we calculate RENRSNIT beginning with the last Core Interview date and ending with the death date. If there is no nursing home utilization, then RENRSNIT and RENRSTIM are both set to zero.

If the Respondent's recorded death date precedes the dates of a nursing home stay reported by the proxy, a special missing value .A is assigned, indicating a death date inconsistency in the data. If number of nights in a nursing home is reported as 996, indicating "continuous since entered", RENRSNIT is assigned RENHMDAY. If more than one stay is reported and RENHMDAY is less than the entire time since last interview, then RENRSNIT is assigned the special missing value .L, as the length of at least one of the prior stays is unknown. Please note that it is not uncommon for the last Core Interview to be more than two years before the Exit interview, allowing for RENRSNIT to be greater than 730 nights.

Core and Exit Differences

RwnRSNIT in the Core Interview and RENRSNIT in the Exit interview both indicate a nursing home stay in their respective reference periods. In the Core Waves 1 and 2A, the reference period is 12 months, in other Core waves it is the period since the last interview, or the last 2 years for new interviewees. The Exit interview reference period is between the last Core Interview and death.

From Wave 5 forward, xNURSHM (from the Tracker), is also used to derive the Core Interview nursing home utilization variables. We

do not use this variable in deriving Exit interview nursing home utilization variables.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Waves 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A, and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For nursing home stays, the questions ask if the Respondent was a patient in a nursing home overnight, how many times, and how many nights altogether. In Wave 2A and from Wave 3 on, the initial question text includes convalescent home or other long-term health care facility along with nursing home. From Wave 3 forward, the initial question was skipped if the Respondent is currently living in a nursing home. For these nursing home residents, the second question asks how many times including now, and the third question regarding number of nights can be coded 996=continuous since entered.

The questions about residence in the nursing home at the time of the interview and when the Respondent moved into the nursing home begin in Wave 3. Note that in Waves 1 and 2A there are no Respondents living in a nursing home. In Wave 2H, there are only 6 Respondents who are nursing home residents, and there is no provision in the utilization section for using this information to determine use or length of stay. So we have chosen not to consider this information for so few Respondents. If others are interested in exploring this in Wave 2H, these cases are flagged by W109=21 in the core data. Move month and year are W107 and W108, also in the core data.

Beginning with Tracker 2004 V1, HRS implemented a verified nursing home residence flag for each wave, xNURSHM, e.g., GNURSHM for Wave 5 (2000). From Wave 5 forward, there are cases at each interview where this information conflicts with nursing home residency reported in the core data cover sheet section. In the questions about nursing home utilization, a cover-sheet reported nursing home resident is assigned as "Yes" for any nursing home stays by default. In some cases where Tracker indicates residence is NOT a nursing home, the interviewer had over-ridden this with a "No" for any nursing home stays, but in many cases this did not occur. We examine these cases for length of stay, residency move-in date, and missing answers to estimate whether there is any nursing home utilization besides the residency reported in the core data, which HRS has determined is NOT a nursing home.

Exit Interview Variables

In Wave 3, if the Respondent is living in a nursing home, the above question (patient overnight in nursing home) is skipped. However, the total number of nursing home stays is asked. From Wave 3 forward, we use additional questions to derive RENRSHOM: whether the Respondent lived in a nursing home at the time of death or if the Respondent's place of death was a nursing home (please see REPLDEATH). From Wave 6 forward, the responses for R's place of death include an additional code for Assisted Living Facility/Senior Care Home or/Retirement home, this is also coded as nursinh home.

In Wave 2H, there is one follow up question about the number of months or years the Respondent was in a nursing home, and RENRSNIT is calculated using this one question. The questions in the cover sheet used to derive RENHMDAY, RENHMMVM, RENHMMVY were not asked in Wave 2H. These cases are assigned .Q="Not asked this wave".

HRS Variables Used

Core Interview Variables

HRS 1992:	
V10536	B46:PST YR:EVR IF NR:IND
V536	B46:PST YR:EVR IF NR:IMP
V537	B46A:1 YR:TIMES NURS
V538	B46B:YR:NIGHTS NURSG
AHEAD 1993:	
B622R	E5. R IN NURSING HOME LAST 12 MOS
B623	E6. # TIMES R IN NURSING HOME LAST 12 MO
B624	E7. # NIGHTS IN NURSING HOME LAST 12 MOS
HRS 1994:	
W415	B30.NURSING HOME OVERNIG
W416	B30a.TIMES IN NURSING HO
W417	B30b.NUMBER OF NIGHTS IN
AHEAD 1995:	
D1681	E5. NURSING HOME
D1682	E6. NURHM # TIMES
D1683	E7. NURHM-1 NIGHTS
D1684	E7A.NURHM-1 MONTHS
D240	CS11.R-WHERE LIVE
HRS 1996:	
E1776	E5. NURSING HOME-YR
E1777	E6. NURHM # TIMES
E1778	E7. NURHM-1 NIGHTS
E1779	E7A.NURHM-1 MONTHS
E240	CS11.R-WHERE LIVE
E417	CS25.MONTH MOVED TO NURS HOME
E418	CS25.YEAR MOVED TO NURS HOME
HRS 1998:	
F2299	E5. NURSING HOME-YR
F2300	E6. NURHM # TIMES
F2301	E7. NURHM-1 NIGHTS
F2302	E7A.NURHM-1 MONTHS
F517	CS11.R IN NURSING HOME
F718	CS25.MONTH MOVED TO NURS HOME
F719	CS25.YEAR MOVED TO NURS HOME
HRS 2000:	
G2571	E5. NURSING HOME-YR
G2572	E6. NURHM # TIMES
G2573	E7. NURHM-1 NIGHTS
G2574	E7A.NURHM-1 MONTHS
G558	CS11.R IN NURSING HOME
G789	CS25.MONTH MOVED TO NURS HOME
G790	CS25A. YEAR MOVED TO NURS HOME
HRS 2002:	
HA065	MONTH MOVED TO NH
HA066	YEAR MOVED TO NURS HOME
HRS 2002-2016:	
xA028	R IN NURSING HOME
xN114	EVER PATIENT OVERNIGHT IN NURSING HOME
xN115	# TIMES SPENT OVERNIGHT IN NURSING HOME
xN116	NUM NIGHTS R SPENT OVERNIGHT IN NH
xN117	NUM MOS R SPENT OVERNIGHT IN NH

Exit Interview Variables

HRS 1994:
 W415 B30.NURSING HOME OVERNIG
 W416 B30a.TIMES IN NURSING HO
 W417 B30b.NUMBER OF NIGHTS IN
 W418 B30b.UNITS IN NURSING HO
 AHEAD 1995:
 N1674 E4x.NURSING HOME # NIGHTS - FINAL
 N1675 E4xax.MONTHS
 N1676 E4xbx.DATE-MONTH
 N1678 E4xdx.DATE-YEAR
 N1681 E5.NURSING HOME-YR
 N1682 E6.NURHM # TIMES
 N1683 E7.NURHM-1 NIGHTS
 N1684 E7a.NURHM-1 MONTHS
 N226 CS2cx.PLACE OF DEATH
 N249 CS11.R-WHERE LIVE
 N417 CS25.MONTH MOVED TO NURS HOME
 N418 CS25a.YEAR MOVED TO NURS HOME
 HRS 1996:
 P1255 E4x.NURSING HOME # NIGHTS - FINAL
 P1256 E4xax.MONTHS
 P1257 E4xbx.DATE-MONTH
 P1259 E4xdx.DATE-YEAR
 P1262 E5. NURSING HOME-YR
 P1263 E6. NURHM # TIMES
 P1264 E7. NURHM-1 NIGHTS
 P1265 E7a.NURHM-1 MONTHS
 P226 CS2cx.PLACE OF DEATH
 P249 CS11.R-WHERE LIVE
 P417 CS25.MONTH MOVED TO NURS HOME
 P418 CS25a.YEAR MOVED TO NURS HOME
 HRS 1998:
 Q1736 E4x.NURSING HOME # NIGHTS - FINAL
 Q1737 E4xax.NUMBER OF MONTHS
 Q1738 E4xbx.DATE-MONTH
 Q1740 E4xdx.DATE-YEAR
 Q1743 E5. NURSING HOME-YR
 Q1744 E6. NURHM # TIMES
 Q1745 E7. NURHM-1 NIGHTS
 Q1746 E7a.NURHM-1 MONTHS
 Q491 CS2cx.PLACE OF DEATH
 Q519 CS11.R IN NURSING HOME
 Q720 CS25.MONTH MOVED TO NURS HOME
 Q721 CS25.YEAR MOVED TO NURS HOME
 HRS 2000:
 R1747 E4x.NURSING HOME # NIGHTS - FINAL
 R1748 E4xax.MONTHS
 R1749 E4xbx.DATE-MONTH
 R1751 E4xdx.DATE-YEAR
 R1754 E5. NURSING HOME-YR
 R525 CS2cx.PLACE OF DEATH
 R558 CS11.R IN NURSING HOME
 R789 CS25.MONTH MOVED TO NURS HOME
 R790 CS25a.(CS25) YEAR MOVED TO NURS HOME
 HRS 2002:
 SN311 NURSING HOME B/F DEATH- SINCE MONTH
 SN313 NURSING HOME B/F DEATH- SINCE YEAR
 HRS 2002:

SA028	R IN NURSING HOME
HRS 2010:	
WA028	R IN NURSING HOME
HRS 2012:	
XA028	R IN NURSING HOME
HRS 2014:	
YA028	R IN NURSING HOME
HRS 2016:	
ZA028	R IN NURSING HOME
HRS 2002-2016:	
xA065	MONTH MOVED TO NH
xA066	YEAR MOVED TO NURS HOME
xA124	LOCATION OF DEATH
xN114	EVER PATIENT OVERNIGHT IN NURSING HOME
xN115	# TIMES SPENT OVERNIGHT IN NURSING HOME
xN116	NUM NIGHTS R SPENT OVERNIGHT IN NH
xN117	NUM MOS R SPENT OVERNIGHT IN NH
xN309	NURSING HOME B/F DEATH- DAYS
xN310	NURSING HOME B/F DEATH- MONTHS
HRS 2004-2008:	
xA167	R IN NURSING HOME
HRS 2004-2016:	
xN257	NURSING HOME B/F DEATH- YEARS
HRS 2014-2016:	
xZ008	R IN NH AT PREVIOUS WAVE

Tracker Variables

Tracker:	
xNURSHM	2000-2016 NURSING HOME STATUS

Medical care utilization: Hospice

Wave	Variable	Label	Type
E	REHPCSTY	REHPCSTY:EXIT Hospice care stay	Categ
E	REHPCTIM	REHPCTIM:EXIT Hospice care time	Cont
E	REHPCNIT	REHPCNIT:EXIT Hospice care nights	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
REHPCSTY	13987	0.17	0.38	0.0	1.0
REHPCTIM	13970	0.20	0.49	0.0	15.0
REHPCNIT	13841	6.32	35.66	0.0	1326.0

Categorical Variable Codes

REHPCSTY: EXIT Hospice care stay

Value	
.D=DK	83
.M=Oth missing	17
.Q=Not asked this wave	175
.R=RF	3
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	11545
1.Yes	2442

How Constructed

REHPCSTY indicates whether the Respondent reports any hospice care stay at death, or between the last Core Interview and death. If the proxy reports any hospice stay, REHPCSTY is assigned "Yes." If there are no hospice stays then REHPCSTY is assigned "No." When REHPCSTY is "No," then REHPCNIT and REHPCNIT are both set to "0".

REHPCTIM is the reported number of stays in hospice care from the last Core Interview and death, and REHPCNIT is the calculated total number of nights spent in a hospice. Each wave reports the number of different hospice stays, including the final hospice care stay. If the proxy indicates the Respondent had an overnight hospice stay (REHPCSTY=1), and the survey response for number of different times in hospice care is zero or missing, we assign REHPCTIM a value of "1," indicating one stay in hospice care.

REHPCNIT is the number of nights spent in hospice care between the last Core interview and death. This variable is calculated from questions about the number of days, nights, or months spent in a hospice between the last Core Interview and death. If the Respondent's recorded death date precedes the hospice stay start date reported by the proxy, a special missing value .A is assigned, indicating there is a death date inconsistency in the data. If the Respondent lived in a hospice at the end of life and the length of stay is reported as continuous since entered, or the length of stay is the entire time between the last Core interview and death, then REHPCNIT will reflect the length of that final stay.

It is common for the last Core interview to be greater than two years before the Exit interview; allowing for REHPCNIT to be greater than 730 nights.

Cross Wave Differences in Original HRS Data

There are no questions asked about utilization of hospice care in Wave 2H.

From Wave 3 forward, the Exit interview includes a question about place of death(REPLDEATH). In Waves 4 through 9, the proxy is also asked where Respondent was living at the time of death, and hospice is an included response option.

From Wave 12 forward, additional hospice care questions are asked. If the proxy reports that the Respondent utilized hospice care, the proxy is asked where the hospice care service was received. The response options include: Hospital, Nursing Home, Home, Hospice Facility, Other Health Care Facility (Assisted Living Facility/Rest Home/Retirements Home/Senior Care), or Other.

In creating hospice nights (REHPCNIT) for Waves 3 through 11, the same questions are asked about hospice nights. For Waves 7 through 9, we also use a cover sheet question about move-in dates to construct hospice utilization nights. From Wave 12 forward, the proxy may give hospice stay information for up to five hospice stay events.

HRS Variables Used

AHEAD 1995:

N1699	Ex10g.HOSPICE-YR
N1700	Ex10h.HOSPICE # TIMES
N1701	Ex10j.HOSPICE-1 NIGHTS

HRS 1996:

P1275	Ex10f.HOSPICE # NIGHTS - FINAL
P1276	Ex10fa.MONTHS
P1280	Ex10g.HOSPICE-YR
P1281	Ex10h.HOSPICE # TIMES
P1282	Ex10j.HOSPICE-1 NIGHTS

HRS 1998:

Q1757	E10xf. HOSPICE # NIGHTS - FINAL
Q1758	E10xfa.NUMBER OF MONTHS
Q1759	E10xfb.DATE-MONTH
Q1761	E10xfd.DATE-YEAR
Q1764	Ex10g.HOSPICE STAY - NOT FINAL
Q1765	Ex10h. HOSPICE # TIMES
Q1766	Ex10j. HOSPICE-1 NIGHTS
Q1767	Ex10ja.HOSPICE-1 MONTHS

HRS 2000:

R1768	E10xf. HOSPICE # NIGHTS - FINAL
R1769	E10xfa.HOSPICE-MONTHS
R1770	E10xfb.HOSPICE DATE-MONTH
R1772	E10xfd.HOSPICE DATE-YEAR
R1775	Ex10g. HOSPICE-YR
R1776	Ex10h. HOSPICE # TIMES
R1777	Ex10j. HOSPICE-1 NIGHTS
R1778	Ex10ja.HOSPICE-1 MONTHS

HRS 2002:

SN317	HOSPICE- SINCE MONTH
SN319	HOSPICE- SINCE YEAR

HRS 2002-2012:

xN315	HOSPICE- DAYS
xN316	HOSPICE- NUMBER MONTHS
xN320	SINCE LAST IW- HOSPICE PATIENT
xN321	HOSPICE PATIENT # TIMES
xN322	SINCE LAST IW- HOSPICE # NIGHTS
xN323	SINCE LAST IW- HOSPICE # MONTHS

HRS 2014-2016:

xN437	HOSPICE SERVICE HOW LONG DAYS
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xN438	HOSPICE SERVICE HOW LONG MONTHS
xN439M1	HOSPICE SERVICE WHERESTAY -1
xN439M2	HOSPICE SERVICE WHERESTAY -2
xN439M3	HOSPICE SERVICE WHERESTAY -3
xN439M4	HOSPICE SERVICE WHERESTAY -4

Medical care utilization: Doctor

Wave	Variable	Label	Type
1	R1DOCTOR	R1DOCTOR:W1 Doctor visit, prv 12 mos	Categ
2	R2DOCTOR	R2DOCTOR:W2 Doctor visit, prv 2 yrs	Categ
3	R3DOCTOR	R3DOCTOR:W3 Doctor visit, prv 2 yrs	Categ
4	R4DOCTOR	R4DOCTOR:W4 Doctor visit, prv 2 yrs	Categ
5	R5DOCTOR	R5DOCTOR:W5 Doctor visit, prv 2 yrs	Categ
6	R6DOCTOR	R6DOCTOR:W6 Doctor visit, prv 2 yrs	Categ
7	R7DOCTOR	R7DOCTOR:W7 Doctor visit, prv 2 yrs	Categ
8	R8DOCTOR	R8DOCTOR:W8 Doctor visit, prv 2 yrs	Categ
9	R9DOCTOR	R9DOCTOR:W9 Doctor visit, prv 2 yrs	Categ
10	R10DOCTOR	R10DOCTOR:W10 Doctor visit, prv 2 yrs	Categ
11	R11DOCTOR	R11DOCTOR:W11 Doctor visit, prv 2 yrs	Categ
12	R12DOCTOR	R12DOCTOR:W12 Doctor visit, prv 2 yrs	Categ
13	R13DOCTOR	R13DOCTOR:W13 Doctor visit, prv 2 yrs	Categ
1	S1DOCTOR	S1DOCTOR:W1 Doctor visit, prv 12 mos	Categ
2	S2DOCTOR	S2DOCTOR:W2 Doctor visit, prv 2 yrs	Categ
3	S3DOCTOR	S3DOCTOR:W3 Doctor visit, prv 2 yrs	Categ
4	S4DOCTOR	S4DOCTOR:W4 Doctor visit, prv 2 yrs	Categ
5	S5DOCTOR	S5DOCTOR:W5 Doctor visit, prv 2 yrs	Categ
6	S6DOCTOR	S6DOCTOR:W6 Doctor visit, prv 2 yrs	Categ
7	S7DOCTOR	S7DOCTOR:W7 Doctor visit, prv 2 yrs	Categ
8	S8DOCTOR	S8DOCTOR:W8 Doctor visit, prv 2 yrs	Categ
9	S9DOCTOR	S9DOCTOR:W9 Doctor visit, prv 2 yrs	Categ
10	S10DOCTOR	S10DOCTOR:W10 Doctor visit, prv 2 yrs	Categ
11	S11DOCTOR	S11DOCTOR:W11 Doctor visit, prv 2 yrs	Categ
12	S12DOCTOR	S12DOCTOR:W12 Doctor visit, prv 2 yrs	Categ
13	S13DOCTOR	S13DOCTOR:W13 Doctor visit, prv 2 yrs	Categ
1	R1DOCTIM	R1DOCTIM:W1 # Doctor vists, prv 12 mos	Cont
2	R2DOCTIM	R2DOCTIM:W2 # Doctor vists, prv 2 yrs	Cont
3	R3DOCTIM	R3DOCTIM:W3 # Doctor vists, prv 2 yrs	Cont
4	R4DOCTIM	R4DOCTIM:W4 # Doctor vists, prv 2 yrs	Cont
5	R5DOCTIM	R5DOCTIM:W5 # Doctor vists, prv 2 yrs	Cont
6	R6DOCTIM	R6DOCTIM:W6 # Doctor vists, prv 2 yrs	Cont
7	R7DOCTIM	R7DOCTIM:W7 # Doctor vists, prv 2 yrs	Cont
8	R8DOCTIM	R8DOCTIM:W8 # Doctor vists, prv 2 yrs	Cont
9	R9DOCTIM	R9DOCTIM:W9 # Doctor vists, prv 2 yrs	Cont
10	R10DOCTIM	R10DOCTIM:W10 # Doctor vists, prv 2 yrs	Cont
11	R11DOCTIM	R11DOCTIM:W11 # Doctor vists, prv 2 yrs	Cont
12	R12DOCTIM	R12DOCTIM:W12 # Doctor vists, prv 2 yrs	Cont
13	R13DOCTIM	R13DOCTIM:W13 # Doctor vists, prv 2 yrs	Cont
1	S1DOCTIM	S1DOCTIM:W1 # Doctor vists, prv 12 mos	Cont
2	S2DOCTIM	S2DOCTIM:W2 # Doctor vists, prv 2 yrs	Cont
3	S3DOCTIM	S3DOCTIM:W3 # Doctor vists, prv 2 yrs	Cont
4	S4DOCTIM	S4DOCTIM:W4 # Doctor vists, prv 2 yrs	Cont
5	S5DOCTIM	S5DOCTIM:W5 # Doctor vists, prv 2 yrs	Cont
6	S6DOCTIM	S6DOCTIM:W6 # Doctor vists, prv 2 yrs	Cont
7	S7DOCTIM	S7DOCTIM:W7 # Doctor vists, prv 2 yrs	Cont
8	S8DOCTIM	S8DOCTIM:W8 # Doctor vists, prv 2 yrs	Cont
9	S9DOCTIM	S9DOCTIM:W9 # Doctor vists, prv 2 yrs	Cont
10	S10DOCTIM	S10DOCTIM:W10 # Doctor vists, prv 2 yrs	Cont
11	S11DOCTIM	S11DOCTIM:W11 # Doctor vists, prv 2 yrs	Cont
12	S12DOCTIM	S12DOCTIM:W12 # Doctor vists, prv 2 yrs	Cont
13	S13DOCTIM	S13DOCTIM:W13 # Doctor vists, prv 2 yrs	Cont
E	REDOCTOR	REDOCTOR:EXIT Doctor visit	Categ
E	REDOCTIM	REDOCTIM:EXIT # Doctor visits	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DOCTOR	12594	0.79	0.41	0.0	1.0
R2DOCTOR	19555	0.89	0.31	0.0	1.0
R3DOCTOR	17551	0.93	0.26	0.0	1.0
R4DOCTOR	20920	0.93	0.25	0.0	1.0
R5DOCTOR	19515	0.94	0.23	0.0	1.0
R6DOCTOR	18143	0.94	0.23	0.0	1.0
R7DOCTOR	20092	0.94	0.24	0.0	1.0
R8DOCTOR	18440	0.95	0.22	0.0	1.0
R9DOCTOR	17191	0.95	0.22	0.0	1.0
R10DOCTOR	21753	0.90	0.30	0.0	1.0
R11DOCTOR	20476	0.90	0.30	0.0	1.0
R12DOCTOR	18680	0.90	0.30	0.0	1.0
R13DOCTOR	20771	0.89	0.31	0.0	1.0
S1DOCTOR	9859	0.79	0.41	0.0	1.0
S2DOCTOR	13186	0.88	0.32	0.0	1.0
S3DOCTOR	11714	0.93	0.26	0.0	1.0
S4DOCTOR	13794	0.93	0.25	0.0	1.0
S5DOCTOR	12714	0.94	0.23	0.0	1.0
S6DOCTOR	11631	0.94	0.23	0.0	1.0
S7DOCTOR	12959	0.94	0.24	0.0	1.0
S8DOCTOR	11728	0.95	0.22	0.0	1.0
S9DOCTOR	10637	0.95	0.23	0.0	1.0
S10DOCTOR	13352	0.91	0.29	0.0	1.0
S11DOCTOR	12463	0.90	0.30	0.0	1.0
S12DOCTOR	10990	0.90	0.30	0.0	1.0
S13DOCTOR	11737	0.89	0.31	0.0	1.0
R1DOCTIM	12594	4.46	8.67	0.0	95.0
R2DOCTIM	19555	6.18	10.88	0.0	336.0
R3DOCTIM	17551	9.00	14.63	0.0	600.0
R4DOCTIM	20920	10.17	18.52	0.0	730.0
R5DOCTIM	19051	9.86	16.21	0.0	500.0
R6DOCTIM	17451	10.78	20.37	0.0	900.0
R7DOCTIM	19428	10.68	23.27	0.0	840.0
R8DOCTIM	17623	10.62	18.65	0.0	612.0
R9DOCTIM	16191	10.62	17.83	0.0	525.0
R10DOCTIM	20817	10.98	24.53	0.0	900.0
R11DOCTIM	19501	10.04	25.43	0.0	900.0
R12DOCTIM	17166	9.61	20.67	0.0	900.0
R13DOCTIM	19048	9.89	20.97	0.0	900.0
S1DOCTIM	9859	4.23	8.15	0.0	95.0
S2DOCTIM	12986	5.90	10.33	0.0	300.0
S3DOCTIM	11714	8.53	14.90	0.0	600.0
S4DOCTIM	13794	9.55	18.54	0.0	730.0
S5DOCTIM	12481	9.32	15.18	0.0	360.0
S6DOCTIM	11328	10.19	20.15	0.0	900.0
S7DOCTIM	12653	10.18	22.75	0.0	840.0
S8DOCTIM	11331	10.14	18.84	0.0	612.0
S9DOCTIM	10174	10.18	17.90	0.0	500.0
S10DOCTIM	12946	10.40	21.99	0.0	900.0
S11DOCTIM	12041	9.58	24.02	0.0	900.0
S12DOCTIM	10283	9.33	21.65	0.0	900.0
S13DOCTIM	10992	9.51	20.80	0.0	900.0

REDOCTOR	13567	0.94	0.23	0.0	1.0
REDOCTIM	11274	20.11	40.90	0.0	900.0

Categorical Variable Codes

RwDOCTOR: Doctor visit, prv 2 yrs											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	41	250	373	433	37	2	9	2	2	4
.M=Oth missing	|	17	2	56	20	20	15	21	22	18	264
.R=RF	|		10	11	11	6	5	7	5	6	13
0.No	|	2625	2100	1284	1418	1137	1058	1269	954	917	2129
1.Yes	|	9969	17455	16267	19502	18378	17085	18823	17486	16274	19624
Value		w11	w12	w13							
.D=DK/NA	|	8	4	7							
.M=Oth missing	|	64	54	123							
.R=RF	|	6	9	11							
0.No	|	2082	1871	2198							
1.Yes	|	18394	16809	18573							
SwDOCTOR: Doctor visit, prv 2 yrs											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	29	99	176	174	8		4			2
.M=Oth missing	|	12		24	6	5	5	4	5	5	150
.R=RF	|		5	3	6	3	3	5	2	4	9
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
0.No	|	2066	1581	842	922	715	666	792	609	570	1265
1.Yes	|	7793	11605	10872	12872	11999	10965	12167	11119	10067	12087
Value		w11	w12	w13							
.D=DK/NA	|	3	1	1							
.M=Oth missing	|	19	16	35							
.R=RF	|	3	5	6							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	1256	1092	1266							
1.Yes	|	11207	9898	10471							

REDOCTOR: EXIT Doctor visit		
Value		
.D=DK	|	662
.M=Oth missing	|	31
.R=RF	|	5
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	765
1.Yes	|	12802

How Constructed

Core Interview Variables

RwDOCTOR indicates whether the Respondent reports any doctor visit in the reference period. In Waves 1 and 2A, the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. If the Respondent reports any doctor visit, RwDOCTIM is the reported number of visits.

SwDOCTOR and SwDOCTIM give this information for the Respondent's spouse or partner.

Medical care utilization variables are recoded for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. If the Respondent did not report any doctor visit, then RwDOCTIM is zero. RwDOCTOR is recoded as a yes/no indicator based on the number of visits reported.

From Wave 5 forward unfolding bracket questions are introduced for those who don't know or refuse this question. Any response of "about" to these questions assigns the value to RwDOCTIM. For example if the Respondent responds about 20, then 20 is assigned RwDOCTIM. In addition SAS special missing values indicate the resulting bracket:

.E indicates 1-4 times
 .F indicates 6-19 times
 .G indicates 21-49 times
 .H indicates 51 or more times
 .I indicates at least once
 .J indicates 0-5 times
 .K indicates 1-19 times
 .L indicates 21 or more times

If the Respondent falls into any of these brackets except 0-5 times (.J), then RwDOCTOR is set to yes (=1). If the Respondent says no to seeing a doctor at least once, RwDOCTIM is set to zero and RwDOCTOR is set to no (=0).

In Wave 2A, the S2DOCTOR is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3DOCTOR is taken from the Wave 3 spouse's R3DOCTOR variable.

Exit Interview Variables

REDOCTOR is an indicator of whether the Respondent was seen by a doctor between the last Core Interview and death. REDOCTOR is derived from the question "...how many times has Respondent seen or talked to a medical doctor about Respondent's health, including emergency room or clinic visits since last interview or last two years before death?" If the proxy reports that the Respondent had any doctor visits, REDOCTIM is the reported number of visits.

From Exit Wave 6 forward, unfolding bracket questions are introduced for those who don't know or refuse to answer the question about the number of doctor visits. The method of assigning values to REDOCTIM based on unfolding brackets is the same as that used in RwDOCTIM from the Core Interview.

Core and Exit Differences

From Wave 5 forward, the Core Interview includes unfolding bracket questions to estimate intervals for the number of times the Respondent is seen by a doctor in cases where an exact number is unknown. These questions are introduced in the Exit interview in Wave 6.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Waves 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A, and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For doctor visits, the question asks how many times the Respondent has seen or talked to a medical doctor including emergency room or clinic visits. In Waves 1 and 2, the question text instructs the Respondent not to include overnight hospital or nursing home stays. From Wave 3 forward, the question text only instructs the Respondent not to include any hospital stays.

From Wave 5 forward, there are unfolding bracket questions if the Respondent doesn't know or refuses to answer the question. The amounts in this series of questions are at least once, 5, 20, and 50 times. The order presented is 20, then 5, and at least once if less than 20, or 50 if more than 20. The responses could be less than, more than, or about.

Exit Interview Variables

In Waves 2H through 5, the value of REDOCTIM depends on the proxy answering the question about the number of times the Respondent was seen by a doctor. From Wave 6 on there is a set of unfolding bracket questions to estimate intervals for the number of times the Respondent is seen by a doctor in cases where an exact number is unknown.

In Wave 2H the Exit Interview question is: "[Not counting overnight hospital or nursing home stays], during the last two years, since last interview before death, how many times have you seen or talked to a medical doctor about your health, including emergency room or clinic visits?"

From Wave 3A forward the question includes the addition of "Aside from any [hospital stays/hospital stays and outpatient surgery]," to the Exit Interview question.

HRS Variables Used

Core Interview Variables

HRS 1992:	
V10539	B47:YR:TIMES W/ DOCT:IND
V539	B47:YR:TIMES W/ DOCT:IMP
AHEAD 1993:	
B640	E12. #TIMES R TALK TO DOCTOR LAST 12 MOS
HRS 1994:	
W420	B31.NUMBER OF DOCTOR VIS
AHEAD 1995:	
D1698	E11. DR TIMES
HRS 1996:	
E1790	E11. DR TIMES
HRS 1998:	
F2331	E11. DR TIMES
HRS 2000:	
G2603	E11. DR TIMES
G2604	E11A. DR 20 TIMES
G2605	E11B. DR 5 TIMES
G2606	E11C. DR ANY TIME
G2607	E11D. DR 50 TIMES
HRS 2002-2016:	
xN147	# TIMES SEEN DR- PREV IW/2 YRS
xN148	NUMBER TIMES SEEN DOCTOR 20X
xN149	NUMBER TIMES SEEN DOCTOR 5X
xN150	HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
xN151	R SEEK DOC ADVICE 50X

Exit Interview Variables

AHEAD 1995:	
N1709	E11.DR TIMES
HRS 1996:	
P1290	E11. DR TIMES
HRS 1998:	
Q1778	E11. DR TIMES
HRS 2000:	
R1789	E11. DR TIMES
HRS 2002-2016:	
xN147	# TIMES SEEN DR- PREV IW/2 YRS
xN148	NUMBER TIMES SEEN DOCTOR 20X
xN149	NUMBER TIMES SEEN DOCTOR 5X
xN150	HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
xN151	R SEEK DOC ADVICE 50X

Medical care utilization: Home Care
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Wave	Variable	Label	Type
1	R1HOMCAR	R1HOMCAR:W1 Home hlth care, prv 12 mos	Categ
2	R2HOMCAR	R2HOMCAR:W2 Home hlth care, prv 2 yrs	Categ
3	R3HOMCAR	R3HOMCAR:W3 Home hlth care, prv 2 yrs	Categ
4	R4HOMCAR	R4HOMCAR:W4 Home hlth care, prv 2 yrs	Categ
5	R5HOMCAR	R5HOMCAR:W5 Home hlth care, prv 2 yrs	Categ
6	R6HOMCAR	R6HOMCAR:W6 Home hlth care, prv 2 yrs	Categ
7	R7HOMCAR	R7HOMCAR:W7 Home hlth care, prv 2 yrs	Categ
8	R8HOMCAR	R8HOMCAR:W8 Home hlth care, prv 2 yrs	Categ
9	R9HOMCAR	R9HOMCAR:W9 Home hlth care, prv 2 yrs	Categ
10	R10HOMCAR	R10HOMCAR:W10 Home hlth care, prv 2 yrs	Categ
11	R11HOMCAR	R11HOMCAR:W11 Home hlth care, prv 2 yrs	Categ
12	R12HOMCAR	R12HOMCAR:W12 Home hlth care, prv 2 yrs	Categ
13	R13HOMCAR	R13HOMCAR:W13 Home hlth care, prv 2 yrs	Categ
1	S1HOMCAR	S1HOMCAR:W1 Home hlth care, prv 12 mos	Categ
2	S2HOMCAR	S2HOMCAR:W2 Home hlth care, prv 2 yrs	Categ
3	S3HOMCAR	S3HOMCAR:W3 Home hlth care, prv 2 yrs	Categ
4	S4HOMCAR	S4HOMCAR:W4 Home hlth care, prv 2 yrs	Categ
5	S5HOMCAR	S5HOMCAR:W5 Home hlth care, prv 2 yrs	Categ
6	S6HOMCAR	S6HOMCAR:W6 Home hlth care, prv 2 yrs	Categ
7	S7HOMCAR	S7HOMCAR:W7 Home hlth care, prv 2 yrs	Categ
8	S8HOMCAR	S8HOMCAR:W8 Home hlth care, prv 2 yrs	Categ
9	S9HOMCAR	S9HOMCAR:W9 Home hlth care, prv 2 yrs	Categ
10	S10HOMCAR	S10HOMCAR:W10 Home hlth care, prv 2 yrs	Categ
11	S11HOMCAR	S11HOMCAR:W11 Home hlth care, prv 2 yrs	Categ
12	S12HOMCAR	S12HOMCAR:W12 Home hlth care, prv 2 yrs	Categ
13	S13HOMCAR	S13HOMCAR:W13 Home hlth care, prv 2 yrs	Categ
E	REHOMCAR	REHOMCAR:EXIT Home hlth care	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HOMCAR	12635	0.01	0.11	0.0	1.0
R2HOMCAR	19762	0.06	0.23	0.0	1.0
R3HOMCAR	17651	0.08	0.26	0.0	1.0
R4HOMCAR	20933	0.08	0.26	0.0	1.0
R5HOMCAR	19073	0.07	0.25	0.0	1.0
R6HOMCAR	17945	0.07	0.26	0.0	1.0
R7HOMCAR	19938	0.07	0.25	0.0	1.0
R8HOMCAR	18288	0.08	0.27	0.0	1.0
R9HOMCAR	17041	0.09	0.28	0.0	1.0
R10HOMCAR	21622	0.09	0.28	0.0	1.0
R11HOMCAR	20328	0.09	0.28	0.0	1.0
R12HOMCAR	18600	0.09	0.29	0.0	1.0
R13HOMCAR	20642	0.09	0.28	0.0	1.0
S1HOMCAR	9886	0.01	0.10	0.0	1.0
S2HOMCAR	13244	0.03	0.18	0.0	1.0
S3HOMCAR	11821	0.05	0.22	0.0	1.0
S4HOMCAR	13886	0.06	0.23	0.0	1.0
S5HOMCAR	12619	0.05	0.22	0.0	1.0
S6HOMCAR	11597	0.05	0.23	0.0	1.0
S7HOMCAR	12937	0.05	0.22	0.0	1.0
S8HOMCAR	11711	0.06	0.24	0.0	1.0
S9HOMCAR	10620	0.06	0.24	0.0	1.0
S10HOMCAR	13335	0.06	0.25	0.0	1.0

S11HOMCAR	12436	0.07	0.25	0.0	1.0
S12HOMCAR	10983	0.07	0.25	0.0	1.0
S13HOMCAR	11723	0.06	0.24	0.0	1.0
REHOMCAR	12965	0.46	0.50	0.0	1.0

Categorical Variable Codes

RwHOMCAR: Home hlth care, prv 2 yrs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3	2	2		5	13	9	10	10	10
.M=Oth missing	14	52	37	20	42	21	23	18	19	267
.N=In NHM			298	429	456	180	149	148	142	123
.R=RF		1	3	2	2	6	10	5	5	12
0.No	12487	18632	16325	19350	17770	16631	18577	16817	15553	19709
1.Yes	148	1130	1326	1583	1303	1314	1361	1471	1488	1913

Value	w11	w12	w13
.D=DK/NA	11	15	17
.M=Oth missing	65	55	124
.N=In NHM	148	75	118
.R=RF	2	2	11
0.No	18564	16914	18868
1.Yes	1764	1686	1774

SwHOMCAR: Home hlth care, prv 2 yrs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3				3	4	1	2	1	4
.M=Oth missing	11	24	13	6	12	6	5	3	5	152
.N=In NHM			82	88	95	29	22	16	18	15
.R=RF			1		1	3	7	3	2	7
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	406	417	536	311	220	380	317	365	722
0.No	9795	12808	11212	13110	11982	10964	12308	11014	9943	12476
1.Yes	91	436	609	776	637	633	629	697	677	859

Value	w11	w12	w13
.D=DK/NA	3		4
.M=Oth missing	19	16	35
.N=In NHM	30	11	10
.R=RF		2	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	11619	10227	10992
1.Yes	817	756	731

REHOMCAR: EXIT Home hlth care

Value	
.D=DK/NA	150
.M=Oth missing	28
.N=In NHM	1112
.R=RF	10
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	6985
1.Yes	5980

How Constructed

Core Interview Variables

RwHOMCAR indicates whether the Respondent reports any home health care in the reference period. In Waves 1 and 2A the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees.

SwHOMCAR gives this information for the Respondent's spouse or partner.

RwHOMCAR is recoded as a yes/no indicator and for missing values. In Wave 1, the medical utilization variables are imputed in the original HRS data. Imputed values are recoded to missing. From Wave 3 forward this question is skipped if the Respondent lives in a nursing home at the time of the interview (see RwnHMLIV earlier in this section). If the question is skipped for this reason, RwHOMCAR is set to .N, the Respondent lives in a nursing home.

In Wave 2A, only the Financial Respondent was asked to answer either himself/herself, partner, or both used home health care. If the Financial Respondent answers "himself/herself" or "both," then R2HOMCAR is set to "1" for yes.

In Wave 2A, the S2HOMCAR is taken from spouses' or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HOMCAR is taken from the Wave 3 spouse's R3HOMCAR variable.

Exit Interview Variables

REHOMCAR indicates whether the Respondent received any home health care between the last Core Interview and death.

From Waves 2H to 5, if the Respondent lived in a nursing home at the time of death, this question is skipped and REHOMCAR is set to .N.

From Wave 6 forward, the question is skipped if the number of nights in a nursing home is continuous since the last Core Interview.

Core and Exit Differences

To assign the skipped value .N, the Core uses the nursing home question on the Tracker File while the Exit uses a question on the cover sheet section of the survey.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Wave 1 and 2A questions ask about the last 12 months, while questions in subsequent waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For home health care, the questions in Waves 1 and 2H ask if the Respondent required any professional nursing care in her/his own home, and on how many days s/he had home nursing care. In Wave 2A and from Wave 3 on, the question asks if any medically-trained person has come to the Respondent's home to help her/him. In Wave 2A, only the Financial Respondent was asked to answer either himself/herself, partner or both used home health care. Beginning Wave 3, the question is skipped if the Respondent is in a nursing home. There is no follow-up question about the number of days.

Exit Interview Variables

From Wave 3 forward the home health care question is skipped, and REHOMCAR is set to .N if the Respondent lived in a nursing home at the time of death (see RENHMLIV earlier in this section).

HRS Variables Used

Core Interview Variables

HRS 1992:	
V10541	B49:PST YR:PRO NURS :IND
V541	B49:PST YR:PRO NURS :IMP
AHEAD 1993:	
B701	E22. R/SP IN-HOME MED SERV NOT COVERED
HRS 1994:	
W424	B33.PROFESSIONAL NURSING
AHEAD 1995:	
D1760	E22.IN-HOME SERV
D240	CS11.R-WHERE LIVE
HRS 1996:	
E1827	E22.IN-HOME SERV
E240	CS11.R-WHERE LIVE
HRS 1998:	
F2357	E22.IN-HOME SERV
F517	CS11.R IN NURSING HOME
HRS 2000:	
G2634	E22.IN-HOME SERV
G558	CS11.R IN NURSING HOME
HRS 2002-2016:	
xA028	R IN NURSING HOME
xN189	USED HOME HEALTH SVC- PREV IW/2 YRS

Exit Interview Variables

HRS 1994:	
W424	B33.PROFESSIONAL NURSING
AHEAD 1995:	
N1760	E22.IN-HOME SERV
HRS 1996:	
P1341	E22.IN-HOME SERV
HRS 1998:	
Q1804	E22.IN-HOME SERV
HRS 2000:	
R1820	E22.IN-HOME SERV
HRS 2002:	
SA028	R IN NURSING HOME
HRS 2010:	
WA028	R IN NURSING HOME
HRS 2012:	
XA028	R IN NURSING HOME
HRS 2014:	
YA028	R IN NURSING HOME
HRS 2016:	
ZA028	R IN NURSING HOME
HRS 2002-2016:	
xN189	USED HOME HEALTH SVC- PREV IW/2 YRS

Medical care utilization: Other Medical Care Utilization

Wave	Variable	Label	Type
2	R2DRUGS	R2DRUGS:W2 Reg take Rx, prv 1-yr(A)	Categ
3	R3DRUGS	R3DRUGS:W3 Reg take Rx, Prv 2 yrs	Categ
4	R4DRUGS	R4DRUGS:W4 Reg take Rx, Prv 2 yrs	Categ
5	R5DRUGS	R5DRUGS:W5 Reg take Rx, Prv 2 yrs	Categ
6	R6DRUGS	R6DRUGS:W6 Reg take Rx, Prv 2 yrs	Categ
7	R7DRUGS	R7DRUGS:W7 Reg take Rx, Prv 2 yrs	Categ
8	R8DRUGS	R8DRUGS:W8 Reg take Rx, Prv 2 yrs	Categ
9	R9DRUGS	R9DRUGS:W9 Reg take Rx, Prv 2 yrs	Categ
10	R10DRUGS	R10DRUGS:W10 Reg take Rx, Prv 2 yrs	Categ
11	R11DRUGS	R11DRUGS:W11 Reg take Rx, Prv 2 yrs	Categ
12	R12DRUGS	R12DRUGS:W12 Reg take Rx, Prv 2 yrs	Categ
13	R13DRUGS	R13DRUGS:W13 Reg take Rx, Prv 2 yrs	Categ
2	S2DRUGS	S2DRUGS:W2 Reg take Rx, prv 1-yr(A)	Categ
3	S3DRUGS	S3DRUGS:W3 Reg take Rx, Prv 2 yrs	Categ
4	S4DRUGS	S4DRUGS:W4 Reg take Rx, Prv 2 yrs	Categ
5	S5DRUGS	S5DRUGS:W5 Reg take Rx, Prv 2 yrs	Categ
6	S6DRUGS	S6DRUGS:W6 Reg take Rx, Prv 2 yrs	Categ
7	S7DRUGS	S7DRUGS:W7 Reg take Rx, Prv 2 yrs	Categ
8	S8DRUGS	S8DRUGS:W8 Reg take Rx, Prv 2 yrs	Categ
9	S9DRUGS	S9DRUGS:W9 Reg take Rx, Prv 2 yrs	Categ
10	S10DRUGS	S10DRUGS:W10 Reg take Rx, Prv 2 yrs	Categ
11	S11DRUGS	S11DRUGS:W11 Reg take Rx, Prv 2 yrs	Categ
12	S12DRUGS	S12DRUGS:W12 Reg take Rx, Prv 2 yrs	Categ
13	S13DRUGS	S13DRUGS:W13 Reg take Rx, Prv 2 yrs	Categ
2	R2OUTPT	R2OUTPT:W2 OutpatSurg, prv 1-,2-yr(A,H)	Categ
3	R3OUTPT	R3OUTPT:W3 Outpatient surgry, prv 2 yrs	Categ
4	R4OUTPT	R4OUTPT:W4 Outpatient surgry, prv 2 yrs	Categ
5	R5OUTPT	R5OUTPT:W5 Outpatient surgry, prv 2 yrs	Categ
6	R6OUTPT	R6OUTPT:W6 Outpatient surgry, prv 2 yrs	Categ
7	R7OUTPT	R7OUTPT:W7 Outpatient surgry, prv 2 yrs	Categ
8	R8OUTPT	R8OUTPT:W8 Outpatient surgry, prv 2 yrs	Categ
9	R9OUTPT	R9OUTPT:W9 Outpatient surgry, prv 2 yrs	Categ
10	R10OUTPT	R10OUTPT:W10 Outpatient surgry, prv 2 yrs	Categ
11	R11OUTPT	R11OUTPT:W11 Outpatient surgry, prv 2 yrs	Categ
12	R12OUTPT	R12OUTPT:W12 Outpatient surgry, prv 2 yrs	Categ
13	R13OUTPT	R13OUTPT:W13 Outpatient surgry, prv 2 yrs	Categ
2	S2OUTPT	S2OUTPT:W2 OutpatSurg, prv 1-,2-yr(A,H)	Categ
3	S3OUTPT	S3OUTPT:W3 Outpatient surgry, prv 2 yrs	Categ
4	S4OUTPT	S4OUTPT:W4 Outpatient surgry, prv 2 yrs	Categ
5	S5OUTPT	S5OUTPT:W5 Outpatient surgry, prv 2 yrs	Categ
6	S6OUTPT	S6OUTPT:W6 Outpatient surgry, prv 2 yrs	Categ
7	S7OUTPT	S7OUTPT:W7 Outpatient surgry, prv 2 yrs	Categ
8	S8OUTPT	S8OUTPT:W8 Outpatient surgry, prv 2 yrs	Categ
9	S9OUTPT	S9OUTPT:W9 Outpatient surgry, prv 2 yrs	Categ
10	S10OUTPT	S10OUTPT:W10 Outpatient surgry, prv 2 yrs	Categ
11	S11OUTPT	S11OUTPT:W11 Outpatient surgry, prv 2 yrs	Categ
12	S12OUTPT	S12OUTPT:W12 Outpatient surgry, prv 2 yrs	Categ
13	S13OUTPT	S13OUTPT:W13 Outpatient surgry, prv 2 yrs	Categ
2	R2DENTST	R2DENTST:W2 DentVisit, prv 1-,2-yr(A,H)	Categ
3	R3DENTST	R3DENTST:W3 Dental visit, prv 2 yrs	Categ
4	R4DENTST	R4DENTST:W4 Dental visit, prv 2 yrs	Categ
5	R5DENTST	R5DENTST:W5 Dental visit, prv 2 yrs	Categ
6	R6DENTST	R6DENTST:W6 Dental visit, prv 2 yrs	Categ
7	R7DENTST	R7DENTST:W7 Dental visit, prv 2 yrs	Categ
8	R8DENTST	R8DENTST:W8 Dental visit, prv 2 yrs	Categ
9	R9DENTST	R9DENTST:W9 Dental visit, prv 2 yrs	Categ
10	R10DENTST	R10DENTST:W10 Dental visit, prv 2 yrs	Categ
11	R11DENTST	R11DENTST:W11 Dental visit, prv 2 yrs	Categ
12	R12DENTST	R12DENTST:W12 Dental visit, prv 2 yrs	Categ
13	R13DENTST	R13DENTST:W13 Dental visit, prv 2 yrs	Categ
2	S2DENTST	S2DENTST:W2 DentVisit, prv 1-,2-yr(A,H)	Categ

3	S3DENTST	S3DENTST:W3 Dental visit, prv 2 yrs	Categ
4	S4DENTST	S4DENTST:W4 Dental visit, prv 2 yrs	Categ
5	S5DENTST	S5DENTST:W5 Dental visit, prv 2 yrs	Categ
6	S6DENTST	S6DENTST:W6 Dental visit, prv 2 yrs	Categ
7	S7DENTST	S7DENTST:W7 Dental visit, prv 2 yrs	Categ
8	S8DENTST	S8DENTST:W8 Dental visit, prv 2 yrs	Categ
9	S9DENTST	S9DENTST:W9 Dental visit, prv 2 yrs	Categ
10	S10DENTST	S10DENTST:W10 Dental visit, prv 2 yrs	Categ
11	S11DENTST	S11DENTST:W11 Dental visit, prv 2 yrs	Categ
12	S12DENTST	S12DENTST:W12 Dental visit, prv 2 yrs	Categ
13	S13DENTST	S13DENTST:W13 Dental visit, prv 2 yrs	Categ
2	R2SPCFAC	R2SPCFAC:W2 SpcHlthFac, prv 1-,2-yr (A,H)	Categ
3	R3SPCFAC	R3SPCFAC:W3 Spec hlth facilty, prv 2 yrs	Categ
4	R4SPCFAC	R4SPCFAC:W4 Spec hlth facilty, prv 2 yrs	Categ
5	R5SPCFAC	R5SPCFAC:W5 Spec hlth facilty, prv 2 yrs	Categ
6	R6SPCFAC	R6SPCFAC:W6 Spec hlth facilty, prv 2 yrs	Categ
7	R7SPCFAC	R7SPCFAC:W7 Spec hlth facilty, prv 2 yrs	Categ
8	R8SPCFAC	R8SPCFAC:W8 Spec hlth facilty, prv 2 yrs	Categ
9	R9SPCFAC	R9SPCFAC:W9 Spec hlth facilty, prv 2 yrs	Categ
10	R10SPCFAC	R10SPCFAC:W10 Spec hlth facilty, prv 2 yrs	Categ
11	R11SPCFAC	R11SPCFAC:W11 Spec hlth facilty, prv 2 yrs	Categ
12	R12SPCFAC	R12SPCFAC:W12 Spec hlth facilty, prv 2 yrs	Categ
13	R13SPCFAC	R13SPCFAC:W13 Spec hlth facilty, prv 2 yrs	Categ
2	S2SPCFAC	S2SPCFAC:W2 SpcHlthFac, prv 1-,2-yr (A,H)	Categ
3	S3SPCFAC	S3SPCFAC:W3 Spec hlth facilty, prv 2 yrs	Categ
4	S4SPCFAC	S4SPCFAC:W4 Spec hlth facilty, prv 2 yrs	Categ
5	S5SPCFAC	S5SPCFAC:W5 Spec hlth facilty, prv 2 yrs	Categ
6	S6SPCFAC	S6SPCFAC:W6 Spec hlth facilty, prv 2 yrs	Categ
7	S7SPCFAC	S7SPCFAC:W7 Spec hlth facilty, prv 2 yrs	Categ
8	S8SPCFAC	S8SPCFAC:W8 Spec hlth facilty, prv 2 yrs	Categ
9	S9SPCFAC	S9SPCFAC:W9 Spec hlth facilty, prv 2 yrs	Categ
10	S10SPCFAC	S10SPCFAC:W10 Spec hlth facilty, prv 2 yrs	Categ
11	S11SPCFAC	S11SPCFAC:W11 Spec hlth facilty, prv 2 yrs	Categ
12	S12SPCFAC	S12SPCFAC:W12 Spec hlth facilty, prv 2 yrs	Categ
13	S13SPCFAC	S13SPCFAC:W13 Spec hlth facilty, prv 2 yrs	Categ
E	REDRUGS	REDRUGS:EXIT Regularly take Rx	Categ
E	RESPCFAC	RESPCFAC:EXIT Spec health facility	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2DRUGS	19792	0.70	0.46	0.0	1.0
R3DRUGS	17952	0.69	0.46	0.0	1.0
R4DRUGS	21351	0.73	0.44	0.0	1.0
R5DRUGS	19546	0.78	0.42	0.0	1.0
R6DRUGS	18147	0.81	0.39	0.0	1.0
R7DRUGS	20092	0.79	0.41	0.0	1.0
R8DRUGS	18451	0.82	0.38	0.0	1.0
R9DRUGS	17199	0.84	0.37	0.0	1.0
R10DRUGS	21874	0.80	0.40	0.0	1.0
R11DRUGS	20512	0.81	0.39	0.0	1.0
R12DRUGS	18715	0.82	0.38	0.0	1.0
R13DRUGS	20828	0.79	0.41	0.0	1.0
S2DRUGS	13276	0.67	0.47	0.0	1.0
S3DRUGS	11907	0.67	0.47	0.0	1.0
S4DRUGS	13969	0.71	0.45	0.0	1.0
S5DRUGS	12722	0.76	0.42	0.0	1.0
S6DRUGS	11634	0.80	0.40	0.0	1.0
S7DRUGS	12957	0.78	0.42	0.0	1.0
S8DRUGS	11727	0.80	0.40	0.0	1.0

S9DRUGS	10639	0.83	0.38	0.0	1.0
S10DRUGS	13417	0.78	0.41	0.0	1.0
S11DRUGS	12474	0.80	0.40	0.0	1.0
S12DRUGS	11004	0.81	0.40	0.0	1.0
S13DRUGS	11753	0.78	0.42	0.0	1.0
R2OUTPT	8217	0.14	0.34	0.0	1.0
R3OUTPT	17939	0.17	0.38	0.0	1.0
R4OUTPT	21349	0.19	0.39	0.0	1.0
R5OUTPT	19541	0.18	0.38	0.0	1.0
R6OUTPT	18120	0.20	0.40	0.0	1.0
R7OUTPT	20076	0.21	0.40	0.0	1.0
R8OUTPT	18425	0.21	0.41	0.0	1.0
R9OUTPT	17155	0.21	0.41	0.0	1.0
R10OUTPT	21702	0.21	0.41	0.0	1.0
R11OUTPT	20450	0.18	0.38	0.0	1.0
R12OUTPT	18664	0.18	0.39	0.0	1.0
R13OUTPT	20750	0.19	0.39	0.0	1.0
S2OUTPT	4548	0.14	0.35	0.0	1.0
S3OUTPT	11897	0.18	0.38	0.0	1.0
S4OUTPT	13966	0.19	0.39	0.0	1.0
S5OUTPT	12718	0.19	0.39	0.0	1.0
S6OUTPT	11618	0.21	0.41	0.0	1.0
S7OUTPT	12949	0.21	0.41	0.0	1.0
S8OUTPT	11716	0.22	0.41	0.0	1.0
S9OUTPT	10617	0.21	0.41	0.0	1.0
S10OUTPT	13329	0.21	0.41	0.0	1.0
S11OUTPT	12451	0.19	0.39	0.0	1.0
S12OUTPT	10978	0.19	0.39	0.0	1.0
S13OUTPT	11724	0.19	0.39	0.0	1.0
R2DENTST	8216	0.45	0.50	0.0	1.0
R3DENTST	17941	0.60	0.49	0.0	1.0
R4DENTST	21340	0.62	0.49	0.0	1.0
R5DENTST	19531	0.61	0.49	0.0	1.0
R6DENTST	18101	0.59	0.49	0.0	1.0
R7DENTST	20064	0.63	0.48	0.0	1.0
R8DENTST	18411	0.63	0.48	0.0	1.0
R9DENTST	17164	0.63	0.48	0.0	1.0
R10DENTST	21725	0.63	0.48	0.0	1.0
R11DENTST	20444	0.61	0.49	0.0	1.0
R12DENTST	18661	0.61	0.49	0.0	1.0
R13DENTST	20755	0.64	0.48	0.0	1.0
S2DENTST	4546	0.50	0.50	0.0	1.0
S3DENTST	11897	0.65	0.48	0.0	1.0
S4DENTST	13965	0.67	0.47	0.0	1.0
S5DENTST	12714	0.67	0.47	0.0	1.0
S6DENTST	11615	0.65	0.48	0.0	1.0
S7DENTST	12949	0.68	0.47	0.0	1.0
S8DENTST	11716	0.68	0.47	0.0	1.0
S9DENTST	10624	0.68	0.47	0.0	1.0
S10DENTST	13342	0.67	0.47	0.0	1.0
S11DENTST	12454	0.65	0.48	0.0	1.0
S12DENTST	10985	0.65	0.48	0.0	1.0
S13DENTST	11731	0.68	0.47	0.0	1.0
R2SPCFAC	8168	0.08	0.27	0.0	1.0

SwDRUGS: Reg take Rx, Prv 2 yrs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		9		4	2		1	1	1	1
.M=Oth missing	|		4	10	6	5	2	5	3	1	90
.R=RF	|		1		1	1	3	9	4	5	5
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		384	417	536	311	220	380	317	365	722
0.No	|		4419	3920	4021	3003	2365	2903	2295	1849	2934
1.Yes	|		8857	7987	9948	9719	9269	10054	9432	8790	10483

Value		w11	w12	w13
.D=DK/NA	|	1	1	1
.M=Oth missing	|	11	6	22
.R=RF	|	2	1	3
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	2529	2131	2606
1.Yes	|	9945	8873	9147

RwOUTPT: Outpatient surgry, prv 2 yrs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4	18	11	11	23	23	24	39	56
.M=Oth missing	|		1	32	20	22	15	21	17	17	264
.Q=Not asked this wv	|		11420								
.R=RF	|			2	4	4	7	9	3	6	12
0.No	|		7086	14843	17334	16043	14451	15946	14490	13586	17160
1.Yes	|		1131	3096	4015	3498	3669	4130	3935	3569	4542

Value		w11	w12	w13
.D=DK/NA	|	35	27	30
.M=Oth missing	|	64	53	122
.Q=Not asked this wv	|			
.R=RF	|	5	3	10
0.No	|	16770	15240	16846
1.Yes	|	3680	3424	3904

SwOUTPT: Outpatient surgery, prv 2 yrs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			9	8	5	12	12	14	21	25
.M=Oth missing	|		1	11	6	5	5	4	3	4	150
.Q=Not asked this wv	|		9125								
.R=RF	|					2	4	7	2	4	9
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.No	|		3893	9792	11289	10348	9175	10200	9153	8362	10469
1.Yes	|		655	2105	2677	2370	2443	2749	2563	2255	2860

Value		w11	w12	w13
.D=DK/NA	|	14	17	15
.M=Oth missing	|	19	16	35
.Q=Not asked this wv	|			
.R=RF	|	4	1	5
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	10118	8883	9498
1.Yes	|	2333	2095	2226

RwDENTST: Dental visit, prv 2 yrs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		5	17	22	23	39	35	35	28	27
.M=Oth missing	|		1	32	20	22	15	21	17	19	264
.Q=Not asked this wv	|		11420								
.R=RF	|			1	2	2	10	9	6	6	18
0.No	|		4518	7184	8134	7582	7343	7497	6890	6428	7983
1.Yes	|		3698	10757	13206	11949	10758	12567	11521	10736	13742

Value		w11	w12	w13
.D=DK/NA	|	39	25	16
.M=Oth missing	|	64	54	123
.Q=Not asked this wv	|			
.R=RF	|	7	7	18
0.No	|	8057	7348	7548
1.Yes	|	12387	11313	13207

SwDENTST: Dental visit, prv 2 yrs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		2	10	9	10	13	14	14	14	10
.M=Oth missing		1	10	6	5	5	4	3	5	150
.Q=Not asked this wv		9125								
.R=RF					1	6	5	2	3	11
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			417	536	311	220	380	317	365	722
0.No		2290	4174	4625	4259	4085	4164	3805	3426	4350
1.Yes		2256	7723	9340	8455	7530	8785	7911	7198	8992

Value	w11	w12	w13
.D=DK/NA	12	7	5
.M=Oth missing	19	16	35
.Q=Not asked this wv			
.R=RF	3	4	8
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	4364	3800	3808
1.Yes	8090	7185	7923

RwSPCFAC: Spec hlth facilty, prv 2 yrs

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1	6		3	15	14	19	20	25
.M=Oth missing		52	38	20	498	15	22	18	19	266
.N=In NHM			298	429						
.Q=Not asked this wv		11420								
.R=RF		1	3	3	1	9	9	8	9	15
0.No		7520	16535	19449	17788	16706	18391	16674	15546	18061
1.Yes		648	1111	1483	1288	1420	1693	1750	1623	3667

Value	w11	w12	w13
.D=DK/NA	20	25	27
.M=Oth missing	65	55	125
.N=In NHM			
.Q=Not asked this wv			
.R=RF	4	6	11
0.No	17348	15631	17304
1.Yes	3117	3030	3445

SwSPCFAC: Spec hlth facilty, prv 2 yrs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			2		1	7	3	3	5	11
.M=Oth missing	|		24	14	6	107	5	5	3	5	150
.N=In NHM	|			82	88						
.Q=Not asked this wv	|		9125								
.R=RF	|			1			4	4	3	4	8
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		22	417	536	311	220	380	317	365	722
0.No	|		4304	11251	13068	11958	10850	12065	10804	9804	11286
1.Yes	|		199	567	818	664	773	895	922	828	2058

Value		w11	w12	w13
.D=DK/NA	|	5	12	8
.M=Oth missing	|	19	16	35
.N=In NHM	|			
.Q=Not asked this wv	|			
.R=RF	|	2	3	3
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	10771	9440	10028
1.Yes	|	1691	1541	1705

REDRUGS: EXIT Regularly take Rx

Value		
.D=DK	|	137
.M=Oth missing	|	18
.R=RF	|	3
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	1137
1.Yes	|	12970

RESPCFAC: EXIT Spec health facility

Value	
.D=DK/NA	151
.M=Oth missing	23
.N=In NHM	537
.Q=Not asked this wv	175
.R=RF	5
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	10220
1.Yes	3154

How Constructed

Core Interview Variables

RwDRUGS, RwOUTPT, RwDENTST, and RwSPCFAC indicate whether the Respondent reports regular use of prescription drugs, outpatient surgery, dental visits, or use of special facilities or services during the reference period. In Wave 2A the reference period is 12 months, and in subsequent waves it is the period since the last interview, or the last 2 years for new interviewees.

SwDRUGS, SwOUTPT, SwDENTST, and SwSPCFAC give this information for the Respondent's spouse or partner.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

These medical care utilization variables are recoded as yes/no indicators and for missing values.

In Wave 2A, the question about outpatient surgery, dental visits, or regular use of prescription drugs was asked of financial and non-financial Respondents. When information is available for both Respondent types, the Financial Respondent's HH-level information may not agree with the information given by individual Respondents, in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible, we use HH level data to fill missing spouse/partners' information. Only the Financial Respondent was asked to answer whether himself/herself, partner or both have any use of special facilities or services. If the Financial Respondent answers "himself/herself" or "both," then R2SPCFAC set to 1 for yes.

In Wave 2A, the S2DRUGS, S2OUTPT, S2DENTST is taken from spouse's or HH-level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3OUTPT is taken from the Wave 3 spouse's R3OUTPT variable.

Exit Interview Variables

REDRUGS indicates whether the Respondent regularly took prescription medications before death.

RESPCFAC is an indicator for special facility or service usage. In Waves 2 through 4, if the proxy indicates the Respondent is a nursing home resident at time of death, the special facility question is skipped. A missing code .N indicating Nursing Home Resident is assigned in this case.

Core and Exit Differences

From Core Interview Wave 2A, and from Wave 3 forward, questions are added that ask about outpatient surgery, and visits to the dentist to create RxOUTPT and RxDENTST. The Exit Interview does not have comparable questions.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions about medical service utilization vary across waves. Wave 1 and 2A questions ask about the last 12 months, while questions in other waves ask about the period since the previous interview or the last 2 years.

In Wave 1, questions ask about hospital and nursing home stays, doctor visits, and home health care. In Wave 2H, questions are added that ask about prescription drugs. In Wave 2A and from Wave 3 forward, questions are added that ask about outpatient surgery, dentist, and special facilities or services.

In Wave 2A, the Financial Respondent was asked the medical utilization and expenditure questions, which differs from all other waves. Questions asked only of the Financial Respondent yield HH-level data, and those asked of all Respondents yield Respondent-level data. Note that when both levels are available the Financial Respondent's HH-level information may not agree with the information given by individual Respondents in all cases. If there is any disagreement, the Respondent's own report is used. Where necessary and possible for utilization variables, we use HH level data to fill missing spouse/partners' information.

For prescription drugs, the Wave 2H question asks if the Respondent regularly purchases medications prescribed for her/him by a doctor. In Wave 2A and from Wave 3 on, the question asks if the Respondent regularly takes prescription medications. From Wave 4 forward, if the Respondent reported taking drugs when asked about health conditions, the question is not asked, but the variable is filled indicating the use of prescription drugs (Medications Known - Assigned).

From Wave 2A and Wave 3 on, questions are added which ask if the Respondent has seen a dentist for dental care including dentures; had outpatient surgery, not counting hospital stays; and used any special facility or service not already asked about, such as an adult care center, a social worker, an outpatient rehabilitation program, or transportation or meals for the elderly or disabled. These questions are not asked in Waves 1 and 2H. In Wave 2A, only the Financial Respondent was asked to answer either himself/herself, partner, or both used special facilities or services.

Exit Interview Variables

In Wave 2H the question is: "Did (he/she) regularly purchase medications prescribed by a Dr.?" From Wave 3 forward, the question is: "Was (he/she) regularly taking any prescription medications before (his/her) death?" From Wave 4 forward, the question includes an additional response option, "7. Yes, Medications Known." This is folded into the "Yes" response.

In Waves 3 and 4 the special facility and services question is skipped over if the Respondent was living in a nursing home or other care facility at the time of death. These cases are set to special missing character .N, meaning the Respondent lived in a nursing home.

HRS Variables Used

Core Interview Variables

AHEAD 1993:

B654R	E14. R OUTPATIENT SURGERY LAST 12 MOS
B669R	E17. R DENTIST LAST 12 MOS
B685R	E20. R TAKEN MEDS LAST 12 MOS
B715	E24. R/SP USE OTHER SERVICE LAST 12 MOS

HRS 1994:

W433	B33-1a.PURCHASE MEDICATI
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AHEAD 1995:

D1713	E14. OUTPATIENT SURGERY
D1728	E17. DENTIST
D1744	E20. DRUGS
D1774	E24.R USE SERVICE

HRS 1996:

E1795	E14. OUTPATIENT SURGERY-YR
E1800	E17.DENTIST-YR
E1811	E20. DRUGS-YR
E1831	E24.R USE SERVICE

HRS 1998:

F2333	E14. OUTPATIENT SURGERY-YR
F2335	E17.DENTIST-YR
F2345	E20. DRUGS-YR
F2361	E24.R USE SERVICE

HRS 2000:

G2610	E14. OUTPATIENT SURGERY-YR
G2612	E17.DENTIST-YR
G2622	E20. DRUGS-YR
G2638	E24.R USE SERVICE

HRS 2002-2016:

xN134	OUTPATIENT SURGERY- PREV IW/2 YRS
xN164	SEEN DENTIST SINCE PREV IW/2YRS
xN175	TAKE PRESCRIPTION DRUGS REGULARLY
xN202	USED OTHER HEALTH SVC- PREV IW/2 YRS

Exit Interview Variables

HRS 1994:

W433	B33-1a.PURCHASE MEDICATI
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AHEAD 1995:

N1744	E20.DRUGS-YR
N1774	E24.R USE SERVICE

HRS 1996:

P1325	E20. DRUGS-YR
P1355	E24.R USE SERVICE

HRS 1998:

Q1792	E20. DRUGS-YR
Q1808	E24.R USE SERVICE

HRS 2000:

R1808	E20. DRUGS-YR
R1824	E24.R USE SERVICE

HRS 2002-2016:

xN175	TAKE PRESCRIPTION DRUGS REGULARLY
xN202	USED OTHER HEALTH SVC- PREV IW/2 YRS

Medical expenditures: Out of Pocket and Total

Wave	Variable	Label	Type
2	H2OOPMD	H2OOPMD:W2 Mexp Amt:HH Out of pkt med exp, prv 12 mos	Cont
2	R2OOPMD	R2OOPMD:W2 Mexp Amt:Out of pkt med exp, prv 12 mos	Cont
3	R3OOPMD	R3OOPMD:W3 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
4	R4OOPMD	R4OOPMD:W4 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
5	R5OOPMD	R5OOPMD:W5 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
6	R6OOPMD	R6OOPMD:W6 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
7	R7OOPMD	R7OOPMD:W7 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
8	R8OOPMD	R8OOPMD:W8 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
9	R9OOPMD	R9OOPMD:W9 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
10	R10OOPMD	R10OOPMD:W10 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
11	R11OOPMD	R11OOPMD:W11 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
12	R12OOPMD	R12OOPMD:W12 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
13	R13OOPMD	R13OOPMD:W13 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
2	S2OOPMD	S2OOPMD:W2 Mexp Amt:Out of pkt med exp, prv 12 mos	Cont
3	S3OOPMD	S3OOPMD:W3 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
4	S4OOPMD	S4OOPMD:W4 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
5	S5OOPMD	S5OOPMD:W5 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
6	S6OOPMD	S6OOPMD:W6 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
7	S7OOPMD	S7OOPMD:W7 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
8	S8OOPMD	S8OOPMD:W8 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
9	S9OOPMD	S9OOPMD:W9 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
10	S10OOPMD	S10OOPMD:W10 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
11	S11OOPMD	S11OOPMD:W11 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
12	S12OOPMD	S12OOPMD:W12 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
13	S13OOPMD	S13OOPMD:W13 Mexp Amt:Out of pkt med exp, prv 2 yrs	Cont
2	H2OOPMDF	H2OOPMDF:W2 Mexp Flag:HH Out of pkt imputed	Categ
2	R2OOPMDF	R2OOPMDF:W2 Mexp Flag:Out of pkt imputed	Categ
3	R3OOPMDF	R3OOPMDF:W3 Mexp Flag:Out of pkt imputed	Categ
4	R4OOPMDF	R4OOPMDF:W4 Mexp Flag:Out of pkt imputed	Categ
5	R5OOPMDF	R5OOPMDF:W5 Mexp Flag:Out of pkt imputed	Categ
6	R6OOPMDF	R6OOPMDF:W6 Mexp Flag:Out of pkt imputed	Categ
7	R7OOPMDF	R7OOPMDF:W7 Mexp Flag:Out of pkt imputed	Categ
8	R8OOPMDF	R8OOPMDF:W8 Mexp Flag:Out of pkt imputed	Categ
9	R9OOPMDF	R9OOPMDF:W9 Mexp Flag:Out of pkt imputed	Categ
10	R10OOPMDF	R10OOPMDF:W10 Mexp Flag:Out of pkt imputed	Categ
11	R11OOPMDF	R11OOPMDF:W11 Mexp Flag:Out of pkt imputed	Categ
12	R12OOPMDF	R12OOPMDF:W12 Mexp Flag:Out of pkt imputed	Categ
13	R13OOPMDF	R13OOPMDF:W13 Mexp Flag:Out of pkt imputed	Categ
2	S2OOPMDF	S2OOPMDF:W2 Mexp Flag:Out of pkt imputed	Categ
3	S3OOPMDF	S3OOPMDF:W3 Mexp Flag:Out of pkt imputed	Categ
4	S4OOPMDF	S4OOPMDF:W4 Mexp Flag:Out of pkt imputed	Categ
5	S5OOPMDF	S5OOPMDF:W5 Mexp Flag:Out of pkt imputed	Categ
6	S6OOPMDF	S6OOPMDF:W6 Mexp Flag:Out of pkt imputed	Categ
7	S7OOPMDF	S7OOPMDF:W7 Mexp Flag:Out of pkt imputed	Categ
8	S8OOPMDF	S8OOPMDF:W8 Mexp Flag:Out of pkt imputed	Categ
9	S9OOPMDF	S9OOPMDF:W9 Mexp Flag:Out of pkt imputed	Categ
10	S10OOPMDF	S10OOPMDF:W10 Mexp Flag:Out of pkt imputed	Categ
11	S11OOPMDF	S11OOPMDF:W11 Mexp Flag:Out of pkt imputed	Categ
12	S12OOPMDF	S12OOPMDF:W12 Mexp Flag:Out of pkt imputed	Categ
13	S13OOPMDF	S13OOPMDF:W13 Mexp Flag:Out of pkt imputed	Categ
2	H2OOPMA	H2OOPMA:W2 Mexp Amt:HH Out of pkt med exp for all,prv 12 mos	Cont
2	H2OOPMAF	H2OOPMAF:W2 Mexp Flag:HH Out of pkt imputed for all	Categ
10	R10OOPMDO	R10OOPMDO:W10 Mexp Amt:Out of pkt med exp w oth, prv 2 yrs	Cont
11	R11OOPMDO	R11OOPMDO:W11 Mexp Amt:Out of pkt med exp w oth, prv 2 yrs	Cont
12	R12OOPMDO	R12OOPMDO:W12 Mexp Amt:Out of pkt med exp w oth, prv 2 yrs	Cont
13	R13OOPMDO	R13OOPMDO:W13 Mexp Amt:Out of pkt med exp w oth, prv 2 yrs	Cont
10	S10OOPMDO	S10OOPMDO:W10 Mexp Amt:Out of pkt med exp w oth, prv 2 yrs	Cont

11	S11OOPMDO	S11OOPMDO:W11 Mexp Amt:Out of pkt med exp w oth, prv 2 yrs	Cont
12	S12OOPMDO	S12OOPMDO:W12 Mexp Amt:Out of pkt med exp w oth, prv 2 yrs	Cont
13	S13OOPMDO	S13OOPMDO:W13 Mexp Amt:Out of pkt med exp w oth, prv 2 yrs	Cont
10	R10OOPMDOF	R10OOPMDOF:W10 Mexp Flag:Out of pkt w oth imputed	Categ
11	R11OOPMDOF	R11OOPMDOF:W11 Mexp Flag:Out of pkt w oth imputed	Categ
12	R12OOPMDOF	R12OOPMDOF:W12 Mexp Flag:Out of pkt w oth imputed	Categ
13	R13OOPMDOF	R13OOPMDOF:W13 Mexp Flag:Out of pkt w oth imputed	Categ
10	S10OOPMDOF	S10OOPMDOF:W10 Mexp Flag:Out of pkt w oth imputed	Categ
11	S11OOPMDOF	S11OOPMDOF:W11 Mexp Flag:Out of pkt w oth imputed	Categ
12	S12OOPMDOF	S12OOPMDOF:W12 Mexp Flag:Out of pkt w oth imputed	Categ
13	S13OOPMDOF	S13OOPMDOF:W13 Mexp Flag:Out of pkt w oth imputed	Categ
3	R3TOTMD	R3TOTMD:W3 Total med expenses, prv 2 yrs	Cont
3	S3TOTMD	S3TOTMD:W3 Total med expenses, prv 2 yrs	Cont
3	R3TOTMDF	R3TOTMDF:W3 Total med imputed	Categ
3	S3TOTMDF	S3TOTMDF:W3 Total med imputed	Categ
3	R3TOTMBI	R3TOTMBI:W3 Imputed Tot Med Exp Bkt	Categ
4	R4TOTMBI	R4TOTMBI:W4 Imputed Tot Med Exp Bkt	Categ
5	R5TOTMBI	R5TOTMBI:W5 Imputed Tot Med Exp Bkt	Categ
6	R6TOTMBI	R6TOTMBI:W6 Imputed Tot Med Exp Bkt	Categ
3	S3TOTMBI	S3TOTMBI:W3 Imputed Tot Med Exp Bkt	Categ
4	S4TOTMBI	S4TOTMBI:W4 Imputed Tot Med Exp Bkt	Categ
5	S5TOTMBI	S5TOTMBI:W5 Imputed Tot Med Exp Bkt	Categ
6	S6TOTMBI	S6TOTMBI:W6 Imputed Tot Med Exp Bkt	Categ
3	R3TOTMBF	R3TOTMBF:W3 Tot Med Exp Bkt, ImpFlag	Categ
4	R4TOTMBF	R4TOTMBF:W4 Tot Med Exp Bkt, ImpFlag	Categ
5	R5TOTMBF	R5TOTMBF:W5 Tot Med Exp Bkt, ImpFlag	Categ
6	R6TOTMBF	R6TOTMBF:W6 Tot Med Exp Bkt, ImpFlag	Categ
3	S3TOTMBF	S3TOTMBF:W3 Tot Med Exp Bkt, ImpFlag	Categ
4	S4TOTMBF	S4TOTMBF:W4 Tot Med Exp Bkt, ImpFlag	Categ
5	S5TOTMBF	S5TOTMBF:W5 Tot Med Exp Bkt, ImpFlag	Categ
6	S6TOTMBF	S6TOTMBF:W6 Tot Med Exp Bkt, ImpFlag	Categ
8	R8PARTD	R8PARTD:W8 R Medicare Part D status	Categ
8	S8PARTD	S8PARTD:W8 S Medicare Part D status	Categ
E	REOOPMD	REOOPMD:EXIT Mexp Amt: Out of pkt med exp	Cont
E	REOOPMDF	REOOPMDF:EXIT Mexp Flag: Out of pkt med exp	Categ
E	REOOPMDO	REOOPMDO:EXIT Mexp Amt: Out of pkt med exp w oth	Cont
E	REOOPMDOF	REOOPMDOF:EXIT Mexp Flag: Out of pkt med exp w oth	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2OOPMD	8222	982.99	2733.22	0.0	60400.0
R2OOPMD	8222	634.58	2025.90	0.0	55000.0
R3OOPMD	17991	2339.50	6866.91	0.0	255350.0
R4OOPMD	21384	2281.68	7963.61	0.0	529811.0
R5OOPMD	19578	2511.16	7273.68	0.0	230800.0
R6OOPMD	18165	3870.47	14931.79	0.0	1206575.0
R7OOPMD	20129	4513.50	17143.14	0.0	840000.0
R8OOPMD	18469	3543.98	9425.63	0.0	289210.0
R9OOPMD	17217	3428.58	10462.53	0.0	471640.0
R10OOPMD	22034	3575.06	10274.66	0.0	604278.0

R11OOPMD	20554	3514.18	9449.74	0.0	364800.0
R12OOPMD	18747	3404.31	10453.60	0.0	474640.0
R13OOPMD	20912	3612.67	14586.78	0.0	1004400.0
S2OOPMD	4549	629.74	2080.10	0.0	45000.0
S3OOPMD	11917	2209.35	6194.29	0.0	255350.0
S4OOPMD	13980	2056.50	5916.25	0.0	301001.1
S5OOPMD	12730	2230.13	5838.99	0.0	230800.0
S6OOPMD	11639	3450.95	14454.09	0.0	1206575.0
S7OOPMD	12972	4035.06	14717.60	0.0	840000.0
S8OOPMD	11735	3214.77	7640.55	0.0	289210.0
S9OOPMD	10646	3046.01	6846.28	0.0	262200.0
S10OOPMD	13513	3400.50	8968.34	0.0	604278.0
S11OOPMD	12488	3232.60	7377.91	0.0	255817.8
S12OOPMD	11012	2987.13	7116.97	0.0	205452.0
S13OOPMD	11779	3224.82	11840.17	0.0	1004400.0
H2OOPMDF	8222	0.20	0.40	0.0	1.0
R2OOPMDF	8222	0.84	0.88	0.0	2.0
R3OOPMDF	17991	0.23	0.42	0.0	1.0
R4OOPMDF	21384	0.18	0.38	0.0	1.0
R5OOPMDF	19578	0.16	0.36	0.0	1.0
R6OOPMDF	18165	0.23	0.42	0.0	1.0
R7OOPMDF	20129	0.20	0.40	0.0	1.0
R8OOPMDF	18469	0.21	0.41	0.0	1.0
R9OOPMDF	17217	0.19	0.39	0.0	1.0
R10OOPMDF	22034	0.16	0.37	0.0	1.0
R11OOPMDF	20554	0.16	0.36	0.0	1.0
R12OOPMDF	18747	0.15	0.36	0.0	1.0
R13OOPMDF	20912	0.15	0.35	0.0	1.0
S2OOPMDF	4549	1.35	0.82	0.0	2.0
S3OOPMDF	11917	0.22	0.42	0.0	1.0
S4OOPMDF	13980	0.17	0.38	0.0	1.0
S5OOPMDF	12730	0.16	0.36	0.0	1.0
S6OOPMDF	11639	0.23	0.42	0.0	1.0
S7OOPMDF	12972	0.20	0.40	0.0	1.0
S8OOPMDF	11735	0.21	0.41	0.0	1.0
S9OOPMDF	10646	0.18	0.39	0.0	1.0
S10OOPMDF	13513	0.15	0.36	0.0	1.0
S11OOPMDF	12488	0.15	0.36	0.0	1.0
S12OOPMDF	11012	0.14	0.35	0.0	1.0
S13OOPMDF	11779	0.14	0.34	0.0	1.0
H2OOPMA	8222	1035.60	2767.98	0.0	60400.0
H2OOPMAF	8222	0.23	0.42	0.0	1.0
R10OOPMDO	22034	3705.87	10482.38	0.0	610278.0
R11OOPMDO	20554	3644.53	9670.10	0.0	374800.0
R12OOPMDO	18747	3560.78	10886.77	0.0	474640.0
R13OOPMDO	20912	3767.43	14750.99	0.0	1004400.0
S10OOPMDO	13513	3519.53	9154.22	0.0	610278.0
S11OOPMDO	12488	3352.97	7581.73	0.0	255817.8
S12OOPMDO	11012	3128.10	7710.70	0.0	263366.0
S13OOPMDO	11779	3371.20	11945.08	0.0	1004400.0

R10OOPMDOF	22034	0.17	0.37	0.0	1.0
R11OOPMDOF	20554	0.16	0.37	0.0	1.0
R12OOPMDOF	18747	0.16	0.37	0.0	1.0
R13OOPMDOF	20912	0.15	0.36	0.0	1.0
S10OOPMDOF	13513	0.16	0.36	0.0	1.0
S11OOPMDOF	12488	0.15	0.36	0.0	1.0
S12OOPMDOF	11012	0.14	0.35	0.0	1.0
S13OOPMDOF	11779	0.14	0.35	0.0	1.0
R3TOTMD	10964	10227.60	46263.37	0.0	2550480.3
S3TOTMD	8308	9761.48	45236.16	0.0	2550480.3
R3TOTMDF	10964	1.78	1.16	1.0	6.0
S3TOTMDF	8308	1.73	1.12	1.0	6.0
R3TOTMBI	17363	3.57	2.02	1.0	11.0
R4TOTMBI	20777	3.56	2.01	1.0	11.0
R5TOTMBI	19069	3.78	2.05	1.0	11.0
R6TOTMBI	17747	4.28	2.22	1.0	11.0
S3TOTMBI	11521	3.47	1.97	1.0	11.0
S4TOTMBI	13612	3.48	1.97	1.0	11.0
S5TOTMBI	12437	3.67	1.99	1.0	11.0
S6TOTMBI	11387	4.15	2.16	1.0	11.0
R3TOTMBF	17363	0.05	0.21	0.0	1.0
R4TOTMBF	20777	0.11	0.32	0.0	1.0
R5TOTMBF	19069	0.11	0.32	0.0	1.0
R6TOTMBF	17747	0.21	0.41	0.0	1.0
S3TOTMBF	11521	0.03	0.18	0.0	1.0
S4TOTMBF	13612	0.10	0.30	0.0	1.0
S5TOTMBF	12437	0.09	0.29	0.0	1.0
S6TOTMBF	11387	0.20	0.40	0.0	1.0
R8PARTD	18469	0.41	0.73	0.0	2.0
S8PARTD	11735	0.34	0.69	0.0	2.0
REOOPMD	14090	9877.90	28745.63	0.0	968200.0
REOOPMDF	14090	0.36	0.48	0.0	1.0
REOOPMDO	14090	10291.78	29490.59	0.0	968200.0
REOOPMDOF	14090	0.38	0.48	0.0	1.0

Categorical Variable Codes

HwOOPMDF: Mexp Flag:HH Out of pkt imputed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		11420								
0.Not imputed	|		6545								
1.Imputed	|		1677								

Value		w11	w12	w13
.Q=Not asked this wv	|			
0.Not imputed	|			
1.Imputed	|			

RwOOPMDF: Mexp Flag:Out of pkt imputed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		11420								
0.Not imputed	|		3945	13817	17601	16485	13964	16097	14537	13891	18476
1.Imputed	|		1671	4174	3783	3093	4201	4032	3932	3326	3558
2.Couple allocation	|		2606								

Value		w11	w12	w13
.Q=Not asked this wv	|			
0.Not imputed	|	17323	15866	17825
1.Imputed	|	3231	2881	3087
2.Couple allocation	|			

SwOOPMDF: Mexp Flag:Out of pkt imputed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		9125								
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.Not imputed	|		1026	9244	11541	10736	9019	10421	9277	8694	11471
1.Imputed	|		919	2673	2439	1994	2620	2551	2458	1952	2042
2.Couple allocation	|		2604								

Value		w11	w12	w13
.Q=Not asked this wv	|			
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Not imputed	|	10624	9476	10180
1.Imputed	|	1864	1536	1599
2.Couple allocation	|			

RwOOPMDOF: Mexp Flag:Out of pkt w oth imputed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Not imputed	|										18356
1.Imputed	|										3678

Value		w11	w12	w13
0.Not imputed	|	17225	15759	17724
1.Imputed	|	3329	2988	3188

SwOOPMDOF: Mexp Flag:Out of pkt w oth imputed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|										7799
.V=Spouse NR	|										722
0.Not imputed	|										11414
1.Imputed	|										2099

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Not imputed	|	10582	9436	10130
1.Imputed	|	1906	1576	1649

RwTOTMDF: Total med imputed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|			7027							
1.Continuous value	|			5206							
2.Complete bracket	|			4920							
3.Incomplete bracket	|			102							
5.No value/bracket	|			265							
6.No expense	|			471							

Value		w11	w12	w13
.Q=Not asked this wv	|			
1.Continuous value	|			
2.Complete bracket	|			
3.Incomplete bracket	|			
5.No value/bracket	|			
6.No expense	|			

SwTOTMDF: Total med imputed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv			3704							
.U=Unmarried			5657							
.V=Spouse NR			322							
1.Continuous value			4116							
2.Complete bracket			3631							
3.Incomplete bracket			62							
5.No value/bracket			173							
6.No expense			326							

Value	w11	w12	w13
.Q=Not asked this wv			
.U=Unmarried			
.V=Spouse NR			
1.Continuous value			
2.Complete bracket			
3.Incomplete bracket			
5.No value/bracket			
6.No expense			

RwTOTMBI: Imputed Tot Med Exp Bkt

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No utilization			628	607	509	418				
1.0 to 1000-			4251	4670	3606	2627				
2.About 1000				1283	1164	932				
3.1001 to 5000-			6306	5937	5279	4001				
4.About 5000				1444	1475	1381				
5.5001 to 25000-			4796	4593	4400	4529				
6.About 25000				641	663	767				
7.25001 to 100000-			1643	1702	1841	2381				
8.About 100000				162	247	343				
9.100001 to 500000-			338	294	328	625				
10.About 500000				29	22	49				
11.500000 above			29	22	44	112				

Value	w11	w12	w13
.N=No utilization			
1.0 to 1000-			
2.About 1000			
3.1001 to 5000-			
4.About 5000			
5.5001 to 25000-			
6.About 25000			
7.25001 to 100000-			
8.About 100000			
9.100001 to 500000-			
10.About 500000			
11.500000 above			

SwTOTMBI: Imputed Tot Med Exp Bkt

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No utilization			396	368	293	252				
.U=Unmarried			5657	6868	6537	6306				
.V=Spouse NR			417	536	311	220				
1.0 to 1000-			2920	3183	2466	1750				
2.About 1000				843	755	622				
3.1001 to 5000-			4350	4041	3646	2706				
4.About 5000				926	944	930				
5.5001 to 25000-			3086	2942	2849	2952				
6.About 25000				369	377	461				
7.25001 to 100000-			952	1015	1053	1359				
8.About 100000				87	133	184				
9.100001 to 500000-			201	184	183	334				
10.About 500000				12	12	26				
11.500000 above			12	10	19	63				

Value	w11	w12	w13
.N=No utilization			
.U=Unmarried			
.V=Spouse NR			
1.0 to 1000-			
2.About 1000			
3.1001 to 5000-			
4.About 5000			
5.5001 to 25000-			
6.About 25000			
7.25001 to 100000-			
8.About 100000			
9.100001 to 500000-			
10.About 500000			
11.500000 above			

RwTOTMBF: Tot Med Exp Bkt, ImpFlag

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No utilization			628	607	509	418				
0.Not imputed			16578	18395	16885	14031				
1.Imputed			785	2382	2184	3716				

Value	w11	w12	w13
.N=No utilization			
0.Not imputed			
1.Imputed			

SwTOTMBF: Tot Med Exp Bkt, ImpFlag

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.N=No utilization	|			396	368	293	252				
.U=Unmarried	|			5657	6868	6537	6306				
.V=Spouse NR	|			417	536	311	220				
0.Not imputed	|			11140	12288	11268	9091				
1.Imputed	|			381	1324	1169	2296				

Value		w11	w12	w13
.N=No utilization	|			
.U=Unmarried	|			
.V=Spouse NR	|			
0.Not imputed	|			
1.Imputed	|			

RwPARTD: R Medicare Part D status

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No part D	|								13602		
1.Part D but no change	|								2180		
2.Part D and change in use	|								2687		

Value		w11	w12	w13
0.No part D	|			
1.Part D but no change	|			
2.Part D and change in use	|			

SwPARTD: S Medicare Part D status

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|								6417		
.V=Spouse NR	|								317		
0.No part D	|								9159		
1.Part D but no change	|								1142		
2.Part D and change in use	|								1434		

Value		w11	w12	w13
.U=Unmarried	|			
.V=Spouse NR	|			
0.No part D	|			
1.Part D but no change	|			
2.Part D and change in use	|			

REOOPMDF: EXIT Mexp Flag: Out of pkt med exp

Value		
.Q=Not asked this wv	|	175
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.Not imputed	|	9007
1.Imputed	|	5083

REOOPMDOF: EXIT Mexp Flag: Out of pkt med exp w oth

Value		
.Q=Not asked this wv	|	175
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.Not imputed	|	8787
1.Imputed	|	5303

General Comments

Medical expenditure measures are reported in nominal dollars. When an HRS or AHEAD medical expenditure component is missing, it is imputed using the method described in the section titled "Health Care Utilization and Medical Expenditures" earlier in this document.

The HRS and AHEAD medical expenditure components are summed to create the medical expenditure measures found here in the RAND HRS Longitudinal File. For each derived medical expenditure measure, a flag indicates whether any or all of its components were imputed. Individual medical expenditure components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

Core Interview Variables

RwOOPMD and RwOOPMDO are total out-of-pocket medical expenditures in the reference period. In Wave 2A the reference period is 12 months; in other waves it is the period since the last interview, or the last 2 years for new interviewees. RwOOPMDF and RwOOPMDOF indicate whether RwOOPMD and RwOOPMDO are imputed. RwOOPMDO and RwOOPMDOF are available from Wave 10 forward.

SwOOPMD, SwOOPMDF, SwOOPMDO and SwOOPMDOF contain this information for the Respondent's spouse or partner.

Beginning with the RAND HRS Longitudinal File 2014 (V2), we drop the total out-of-pocket medical expenditure imputations (RwOOPMD, SwOOPMD) and all related variables for Waves 1 and 2H, since these imputations are based on limited information.

In Wave 2A, only the Financial Respondent is asked about out-of-pocket expenses in two categories: (1) nursing home costs and (2) all other costs. We impute both of these at the household level, and then allocate the expense to individuals.

The household level imputed values are included (H2OOPMD), along with the individual level out-of-pocket expenses (R2OOPMD). Also, we include an additional variable for total household level out-of-pocket medical expenses (H2OOPMA) that includes all expenses, not just those for which utilization is explicitly asked, i.e., to impute using ownership=1 for all households, regardless of utilization and insurance coverage. H2OOPMD and H2OOPMA and their imputation flags are set to .Q for Wave 2H.

All components of RwOOPMD and RwOOPMDO are imputed separately and summed.

Prescription drugs, which are reported as a monthly amount, are multiplied by 24 months. In Waves 3, 4 and 5, the components of RwOOPMD are (1) hospital and nursing home costs; (2) doctor, dentist and outpatient surgery costs; (3) average monthly prescription drug costs; and (4) home health care and special facilities or services costs.

From Wave 6 forward, the components of RwOOPMD are (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care costs; and (8) special facilities costs.

From Wave 10 forward, RwOOPMDO contains all of the components included in RwOOPMD, plus out-of-pocket costs from a ninth, catch-all "other" category.

In Wave 8 only, Respondents are asked different questions about out-of-pocket prescription drug costs depending on whether or not they have enrolled in Medicare Part D. The variable R8PARTD contains the flag for Medicare Part D status and has the following values: 0 = No Part D, 1 = Part D but no change, and 2 = Part D and change in use or cost. The variable R8MDRUG can be found in the RAND HRS Detailed Imputations File.

In Wave 2A, the S2OOPMD, S2OOPMDF variables are taken from spouses' or household level response. For all other waves, the spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3OOPMD is taken from the Wave 3 spouse's R3OOPMD.

Beginning with the RAND HRS Longitudinal File 2014 (V2), we reintroduce the variables that contain the continuous amounts for total medical expenditures, including that paid by insurance (R3TOTMD), for Wave 3H, variables that were present in the RAND HRS Longitudinal File prior to Version M. R3TOTMDF indicates whether R3TOTMD is imputed. For Wave 3A, these variables are set to .Q.

Also beginning with the RAND HRS Longitudinal File 2014 (V2), we drop the variables that contain the reported bracket information for total medical expenditures, including that paid by insurance (RwTOTMB, SwTOTMB), for Waves 3 to 6. Interested users can obtain this information by merging the RAND HRS Longitudinal File with the RAND HRS Fat File for a given wave by HHIDPN. The RAND HRS Fat Files contain most of the original HRS variables, with household data merged to the Respondent level.

RwTOTMBI and RwTOTMBF are available from Waves 3 to 6. RwTOTMBI provides the estimated bracket for total medical expenditures, including that paid by insurance. This information is obtained from unfolding bracket questions, except if a continuous amount is given in Wave 3H, and complete brackets are imputed when incomplete bracket information is provided. RwTOTMBF indicates whether RwTOTMBI is imputed.

S3TOTMD, S3TOTMDF, SwTOTMBI and SwTOTMBF contain this information for the Respondent's spouse or partner.

A number of covariates are used in the imputations including health insurance as derived for this file (RwHIGOV, RwCOVR, RwCOVS, RwhIOTH). Please see the section titled "Health Care Utilization and Medical Expenditures" earlier in this document for a description of the imputation method.

Exit Interview Variables

REOOPMD and REOOPMDO are total out-of-pocket medical expenditures between the last interview and time of death. REOOPMDF and REOOPMDOF indicate whether REOOPMD and REOOPMDO are imputed. For Respondents whose Exit Interview was conducted in Wave 2H, all medical expenditure variables are set to .Q, since there is limited information for this wave.

All components of REOOPMD and REOOPMDO are imputed separately and summed. Individual medical expenditure components and imputation flags are available in the RAND HRS Detailed Imputations File.

Prescription drugs, which are reported as a monthly amount, are multiplied by months between last interview and death. Information about the date of the last interview was taken from the preloads, since this is what interviewers used when asking the questions about health care utilization and medical expenditures. Therefore, months between last interview and death is occasionally different from the RADTIMTDTH variable. If the preloads are missing, the value is multiplied by 24 (for 2 years, consistent with what proxies are asked with missing preloads). If the months between last interview and death are less than or equal to 0, the value is multiplied by 1 (for one month).

For Exit Interviews conducted in Waves 3, 4 and 5, the components of REOOPMD are (1) hospital and nursing home costs; (2) doctor visit costs; (3) average monthly prescription drug costs; (4) home health care and special facilities or services costs; and (5) hospice costs.

For Exit Interviews conducted from Wave 6 to Wave 9, the components of REOOPMD are (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) average monthly prescription drug costs; (5) home health care costs; (6) special facilities costs; and (7) hospice costs.

For Exit Interviews conducted from Wave 10 forward, the components of REOOPMD are (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care costs; (8) special facilities costs; and (9) hospice costs.

Note that for Exit Interviews conducted in Wave 11 and before, hospice costs include facility-based hospice costs only. For Exit Interviews conducted from Wave 12 forward, hospice costs include all forms of hospice care, including facility-based care and hospice care at home.

REOOPMDO contains all of the components included in RWOOPMD, plus out-of-pocket costs from a catch-all "other" category.

Core and Exit Differences

For total out-of-pocket medical expenditures, there are several differences to note between the Core and Exit variables: (1) for Respondents whose Exit Interview was conducted in Wave 2H, all medical expenditure variables are set to .Q, since there is limited information for this wave; (2) the Exit variables include hospice care, while the Core variables do not (please note the cross-wave differences in the definition of hospice care for the Exit variables); (3) the catch-all "other" category is present in all waves (from Wave 3 forward) of the Exit variables; (4) dentist costs and outpatient surgery costs are not asked until Wave 10 of the Exit Interview; (5) the reference period for the Exit variables is the number of months between the last interview and death, compared to "since the last interview" for the Core variables; and (6) we do not create Exit Interview equivalents of the Core total medical expenditures variables (R3TOTMD/S3TOTMD, R3TOTMDf/S3TOTMDF, RwTOTMBI/SwTOTMBI, RwTOTMBF/SwTOTMBF).

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 2A, all Respondents are asked about medical utilization in the last 12 months, and separate questions about out-of-pocket costs for nursing home and all other out-of-pocket medical costs are asked only of the Financial Respondent.

From Wave 3 forward, medical utilization questions cover the last 2 years or the period since last interview. In Waves 3, 4 and 5, questions ask separately about out-of-pocket costs for four categories of services: (1) hospital/nursing home; (2) doctor visits; (3) prescription drugs per month; and (4) in-home medical care/special facilities.

From Wave 6 forward, questions on individual categories are asked separately. In Waves 6-9, questions are asked about eight categories of out-of-pocket medical costs: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dental costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care; and (8) special facilities costs.

From Wave 10 forward, a ninth category seeks to capture any additional out-of-pocket medical expenditures that cannot be assigned to any of the other categories. We include two estimates of out-of-pocket medical expenditures for these latest waves: RWOOPMD, which allows for longitudinal analysis, contains the eight components present in Waves 6-9, and RWOOPMDO, which includes the "other" spending category in the estimate of total out-of-pocket medical expenditures.

In Waves 1 and 2, there are no questions about the total costs of all medical services.

In Wave 3H, Respondents are asked to estimate total medical costs for all medical services since the previous interview. If the Respondent does not provide an exact amount, unfolding bracket follow-up questions are asked. In Wave 3A and from Waves 4 to 6, an exact amount of total expenditures is not asked; all Respondents are directed into unfolding bracket questions.

Unlike from Wave 4 forward, where Respondents who answer the unfolding bracket questions are given the option of saying that the amount was "about" equal to a certain value, there is no such option in Wave 3. In Wave 3A, the unfolding bracket questions ask, "Do you think the total costs were more than \$5,000?" and follow up with ascending or descending amounts based on the answer. In Wave 3H, however, the unfolding bracket questions ask, "Did it amount to \$5,000 or more?" Therefore, for Wave 3A, the bracket "0 to 1000-" means "0 to 1000," the bracket "1001 to 5000-" means "1001 to 5000," and so on. For Wave 3H, the bracket "0 to 1000-" means "0 to 999," the bracket "1001 to 5000-" means "1000 to 5000," and so on.

From Wave 7 forward, there are no questions about total medical expenditures.

In Wave 8 only, Respondents are asked different questions about out-of-pocket prescription drug costs depending on whether or not they have enrolled in Medicare Part D. For those whose prescription drug use and cost are unaffected by Medicare Part D, the reported or imputed monthly average is multiplied by 24 months to estimate drug costs for the last two years. For those enrolled, two questions ask if their use or costs of prescription drugs changed. If the answer to either of these questions is "yes," then Respondents report two average monthly out-of-pocket amounts: one for the 12 months prior to coverage under Part D and another for the 12 months after. Total prescription drug costs for the last two years in Wave 8 is, then, calculated as:

$$R8MDRUG = [\# \text{ Months post-Part D} * \text{expenses post-Part D}] + [(24 - \# \text{ Months post-Part D}) * \text{expenses pre-Part D}]$$

The variable R8PARTD contains the flag for Medicare Part D status, and has the following values: 0 = No Part D, 1 = Part D but no change, and 2 = Part D and change in use or cost. The variable R8MDRUG can be found in the RAND HRS Detailed Imputations File.

Beginning with Tracker 2004 V1 (Wave 7), HRS has implemented a verified nursing home residence flag for each wave, xNURSHM, e.g., GNURSHM for Wave 5 (2000). From Wave 5 forward, there are cases at each interview where this information conflicts with nursing home residency reported in the core data cover sheet section. In the questions about nursing home utilization, a cover-sheet reporting a nursing home resident is assigned as "Yes" for any nursing home stays by default. In some cases where Tracker indicates residence is NOT a nursing home, the interviewer overwrites this with a "No" for any nursing home stays, but in many cases, this does not occur. We examine these cases for length of stay, residency move-in date, and missing answers to estimate whether there is any nursing home utilization besides the residency reported in the core data, which HRS has determined is NOT a nursing home. Please see "Medical Care Utilization: Nursing Home" for more details on how these items are assessed.

Exit Interview Variables

For Respondents whose Exit Interview was conducted in Wave 2H, all medical expenditure variables are set to .Q, since there is limited information for this wave.

From Wave 3 forward, medical utilization questions cover the period between the last interview and time of death.

For Exit Interviews conducted in Waves 3, 4 and 5, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital and nursing home costs; (2) doctor visit costs; (3) average monthly prescription drug costs; (4) home health care and special facilities or services costs; (5) hospice costs; and (6) other out-of-pocket medical expenditure costs.

For Exit Interviews conducted from Wave 6 to Wave 9, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) average monthly prescription drug costs; (5) home health care costs; (6) special facilities costs; (7) hospice costs and (8) other out-of-pocket medical expenditure costs.

For Exit Interviews conducted in Wave 10 forward, questions ask separately about out-of-pocket costs for the following categories of service: (1) hospital costs; (2) nursing home costs; (3) doctor visits costs; (4) dentist costs; (5) outpatient surgery costs; (6) average monthly prescription drug costs; (7) home health care costs; (8) special facilities costs; (9) hospice costs, and (10) other out-of-pocket medical expenditure costs.

Note that for Exit Interviews conducted in Wave 11 and before, hospice costs include care-based hospice costs only. For Exit Interviews conducted from Wave 12 forward, hospice costs include all forms of hospice care.

HRS Variables Used

Core Interview Variables

AHEAD 1993:

B150	A11. R'S MARITAL STATUS
B622	E5. R/SP IN NURSING HOME LAST 12 MOS
B627	E8. NURSING HOME \$ NOT COVERED BY INS
B628	E9. R/SP PAY ANY NONCOVERED NURSE HOME \$
B629	E10. \$ R/SP PAY NURSING HOME
B629C	CATEG: E10. \$ R/SP PAY NURSING HOME

AHEAD 1995:

D1664	E1. HOSPITAL
D1669	E4. HOSP \$ NOT COV
D1681	E5. NURSING HOME
D1686	E8.NURHM NOT COV
D1688	E10. NURHM OR HOSP R PAY \$
D1689	E10A. NURHM OR HOSP DK-1
D1690	E10B. NURHM OR HOSP DK-2
D1691	E10C. NURHM OR HOSP DK-3
D1692	E10D. NURHM OR HOSP DK-4
D1693	E10E. NURHM OR HOSP DK-5
D1698	E11. DR TIMES
D1701	E13.DR, NOT COV
D1713	E14. OUTPATIENT SURGERY
D1716	E16. OUTSURG, NOT COV
D1728	E17. DENTIST
D1731	E18. DENTIST, NOT COV
D1732	E18A.DOCTOR/OUT/DENTAL R PAY \$
D1733	E18B.DR/OUT/DENTAL DK-1
D1734	E18C.DR/OUT/DENTAL DK-2
D1735	E18D.DR/OUT/DENTAL DK-3
D1736	E18E.DR/OUT/DENTAL DK-4
D1737	E18F.DR/OUT/DENTAL DK-5
D1744	E20. DRUGS
D1748	E21. DRUGS, NOT COV
D1749	E21A.PRESCR R PAY \$
D1750	E21B.PRESCR DK-1
D1751	E21C.PRESCR DK-2
D1752	E21D.PRESCR DK-3
D1753	E21E.PRESCR DK-4
D1754	E21F.PRESCR DK-5
D1760	E22.IN-HOME SERV
D1762	E23. IN-HOME R PAY \$
D1774	E24.R USE SERVICE

D1781	E24A.SPECIAL R PAY \$
D1782	E24B.SPECIAL DK-1
D1783	E24C.SPECIAL DK-2
D1784	E24D.SPECIAL DK-3
D1785	E24E.SPECIAL DK-4
D1786	E24F.SPECIAL DK-5
D1799	E26.TOTAL COST MEDICAL
D1800	E26A.TOTAL MEDICAL DK-1
D1801	E26B.TOTAL MEDICAL DK-2
D1802	E26C.TOTAL MEDICAL DK-3
D1803	E26D.TOTAL MEDICAL DK-4
D240	CS11.R-WHERE LIVE
HRS 1996:	
E1770	E1. HOSPITAL-YR
E1775	E4. HOSP \$ NOT COV
E1776	E5. NURSING HOME-YR
E1781	E8.NURHM NOT COV
E1783	E10. NURHM OR HOSP R PAY \$
E1790	E11. DR TIMES
E1793	E13.DR, NOT COV
E1795	E14. OUTPATIENT SURGERY-YR
E1798	E16. OUTSURG, NOT COV
E1800	E17.DENTIST-YR
E1804	E18A.DOCTOR/OUT/DENTAL R PAY \$
E1811	E20. DRUGS-YR
E1815	E21. DRUGS, NOT COV
E1816	E21A.PRESCR R PAY \$
E1827	E22.IN-HOME SERV
E1829	E23. IN-HOME R PAY \$
E1831	E24.R USE SERVICE
E1834	E24A.SPECIAL R PAY \$
E1841	E26.TOTAL COST MEDICAL
E1842	E26A.TOTAL MEDICAL \$ DK-5K
E1843	E26B.TOTAL MEDICAL \$ DK-1K
E1844	E26C.TOTAL MEDICAL \$ DK-25K
E1845	E26D.TOTAL MEDICAL \$ DK-100K
E1846	E26E.TOTAL MEDICAL \$ DK-500K
E240	CS11.R-WHERE LIVE
HRS 1998:	
F2295	E1. HOSPITAL-YR
F2298	E4. HOSP \$ NOT COV
F2299	E5. NURSING HOME-YR
F2304	E8.NURHM NOT COV
F2305	E10. NURHM OR HOSP R PAY \$
F2306	E10A. NURHM OR HOSP DK-1
F2307	E10B. NURHM OR HOSP DK-2
F2308	E10C. NURHM OR HOSP DK-3
F2309	E10B1. NURHM OR HOSP DK-2
F2310	E10B1. NURHM OR HOSP DK-2
F2311	E10D. NURHM OR HOSP DK-4
F2312	E10E. NURHM OR HOSP DK-5
F2331	E11. DR TIMES
F2332	E13.DR, NOT COV
F2333	E14. OUTPATIENT SURGERY-YR
F2334	E16. OUTSURG, NOT COV
F2335	E17.DENTIST-YR
F2336	E18. DENTIST, NOT COV
F2337	E18A.DOCTOR/OUT/DENTAL R PAY \$
F2338	E18B.DR/OUT/DENTAL DK-1

F2339	E18C.DR/OUT/DENTAL DK-2
F2340	E18D.DR/OUT/DENTAL DK-3
F2341	E18E.DR/OUT/DENTAL DK-4
F2342	E18C1.DR/OUT/DENTAL DK-2
F2343	E18F.DR/OUT/DENTAL DK-4
F2344	E18G.DR/OUT/DENTAL DK-5
F2345	E20. DRUGS-YR
F2346	E21. DRUGS, NOT COV
F2347	E21A.PRESCR R PAY \$
F2348	E21B.PRESCR DK-1
F2349	E21C.PRESCR DK-2
F2350	E21D.PRESCR DK-3
F2351	E21E.PRESCR DK-4
F2352	E21B1.PRESCR DK-2
F2353	E21E.PRESCR DK-4
F2354	E21F.PRESCR DK-5
F2357	E22.IN-HOME SERV
F2359	E23. IN-HOME R PAY \$
F2361	E24.R USE SERVICE
F2364	E24A.SPECIAL R PAY \$
F2365	E24B.SPECIAL DK-1
F2366	E24C.SPECIAL DK-2
F2367	E24D.SPECIAL DK-3
F2368	E24E.SPECIAL DK-4
F2369	E24F.SPECIAL DK-5
F2383	E26.TOTAL COST MEDICAL-5K
F2384	E26A.TOTAL MEDICAL COSTS-2ND
F2385	E26B.TOTAL MEDICAL COSTS-3RD
F2386	E26C.TOTAL MEDICAL COSTS-4TH
F2387	E26D.TOTAL MEDICAL COSTS-5TH
F517	CS11.R IN NURSING HOME
HRS 2000:	
G2567	E1. HOSPITAL-YR
G2570	E4. HOSP \$ NOT COV
G2571	E5. NURSING HOME-YR
G2572	E6. NURHM # TIMES
G2573	E7. NURHM-1 NIGHTS
G2574	E7A.NURHM-1 MONTHS
G2576	E8.NURHM NOT COV
G2577	E10. NURHM OR HOSP R PAY \$
G2603	E11. DR TIMES
G2604	E11A. DR 20 TIMES
G2605	E11B. DR 5 TIMES
G2606	E11C. DR ANY TIME
G2607	E11D. DR 50 TIMES
G2610	E14. OUTPATIENT SURGERY-YR
G2612	E17.DENTIST-YR
G2622	E20. DRUGS-YR
G2634	E22.IN-HOME SERV
G2638	E24.R USE SERVICE
G2660	E26.TOTAL COST MEDICAL-5K
G2661	E26A.TOTAL MEDICAL COSTS-2ND
G2683	E26B.TOTAL MEDICAL COSTS-3RD
G2684	E26C.TOTAL MEDICAL COSTS-4TH
G2685	E26D.TOTAL MEDICAL COSTS-5TH
G558	CS11.R IN NURSING HOME
G789	CS25.MONTH MOVED TO NURS HOME
G790	CS25A. YEAR MOVED TO NURS HOME
HRS 2002:	

HA065 MONTH MOVED TO NH
 HA066 YEAR MOVED TO NURS HOME
 HN134 OUTPATIENT SURGERY- PREV IW/2 YRS
 HN147 # TIMES SEEN DR- PREV IW/2 YRS
 HN148 NUMBER TIMES SEEN DOCTOR 20X
 HN149 NUMBER TIMES SEEN DOCTOR 5X
 HN150 HAS R SOUGHT DOC ADVICE IN PAST 2 YRS
 HN151 R SEEK DOC ADVICE 50X
 HN164 SEEN DENTIST SINCE PREV IW/2YRS
 HN189 USED HOME HEALTH SVC- PREV IW/2 YRS
 HN222 TOTAL MEDICAL COSTS - MIN
 HN223 TOTAL MEDICAL COSTS - MAX
 HRS 2002-2012:
 xN102 HOSPITAL STAYS COVERED BY INS
 xN118 NH COSTS COVERED BY INSURANCE
 xN135 OUTPATIENT SURG COSTS COVERED BY HI
 xN152 DOCTOR VISITS COVERED BY INSURANCE
 xN165 DENTAL COSTS COVERED BY INSURANCE
 xN175 TAKE PRESCRIPTION DRUGS REGULARLY
 xN176 DRUG COSTS COVERED BY INSURANCE
 xN190 HOME HEALTH SERVICE COST COVERED BY INS
 HRS 2002-2016:
 xA028 R IN NURSING HOME
 xN099 OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
 xN106 AMT PAID O-O-P HOSPITAL COSTS
 xN107 AMT PAID O-O-P HOSPITAL COSTS - MIN
 xN108 AMT PAID O-O-P HOSPITAL COSTS - MAX
 xN114 EVER PATIENT OVERNIGHT IN NURSING HOME
 xN115 # TIMES SPENT OVERNIGHT IN NURSING HOME
 xN116 NUM NIGHTS R SPENT OVERNIGHT IN NH
 xN117 NUM MOS R SPENT OVERNIGHT IN NH
 xN119 AMT PAID O-O-P NURSING HOME
 xN120 AMT PAID O-O-P NURSING HOME- MIN
 xN121 AMT PAID O-O-P NURSING HOME- MAX
 xN139 AMT PAID O-O-P OUTPAT SURGERY
 xN140 AMT PAID O-O-P OUTPAT SURGERY - MIN
 xN141 AMT PAID O-O-P OUTPAT SURGERY - MAX
 xN156 AMT PAY O-O-P FOR DOC VISITS
 xN157 AMT PAY O-O-P FOR DOC VISITS - MIN
 xN158 AMT PAY O-O-P FOR DOC VISITS - MAX
 xN168 AMT PAY O-O-P DENTAL
 xN169 AMT PAY O-O-P DENTAL - MIN
 xN170 AMT PAY O-O-P DENTAL - MAX
 xN180 AMT PAY O-O-P RX DRUGS PER MONTH
 xN181 AMT PAY O-O-P RX DRUGS PER MONTH- MIN
 xN182 AMT PAY O-O-P RX DRUGS PER MONTH- MAX
 xN194 AMT PAY O-O-P HOME HEALTH SVC
 xN195 AMT PAY O-O-P HOME HEALTH SVC - MIN
 xN196 AMT PAY O-O-P HOME HEALTH SVC - MAX
 xN202 USED OTHER HEALTH SVC- PREV IW/2 YRS
 xN203 OTHER HEALTH SVC PAID BY R/SP/P
 xN239 AMT PAY O-O-P OTHER HEALTH SERVICE
 xN246 AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
 xN247 AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
 HRS 2010-2016:
 xN332 EX OTHER MEDICAL EXPENSES
 xN333 EX PAY O-O-P OTHER MEDICAL
 xN334 AMT PAY O-O-P OTHER MEDICAL - MIN
 xN335 AMT PAY O-O-P OTHER MEDICAL - MAX

HRS 2014-2016:

xN433_1	INSURANCE PAY ANY -	-1
xN433_2	INSURANCE PAY ANY -	-2
xN433_3	INSURANCE PAY ANY -	-3
xN433_4	INSURANCE PAY ANY -	-4
xN433_5	INSURANCE PAY ANY -	-5
xN433_6	INSURANCE PAY ANY -	-6
xN433_7	INSURANCE PAY ANY -	-7
xN434_1	INSURANCE PAY ALL -	-1
xN434_2	INSURANCE PAY ALL -	-2
xN434_3	INSURANCE PAY ALL -	-3
xN434_4	INSURANCE PAY ALL -	-4
xN434_5	INSURANCE PAY ALL -	-5
xN434_6	INSURANCE PAY ALL -	-6
xN434_7	INSURANCE PAY ALL -	-7
xN435_2	INSURANCE PAY HALF -	-2

Exit Interview Variables

AHEAD 1995:

N1664	E1.HOSPITAL-YR
N1672	E4.HOSP \$ NOT COV
N1681	E5.NURSING HOME-YR
N1686	E8.NURHM NOT COV
N1688	E10.NURHM OR HOSP R PAY \$
N1689	E10a.NURHM OR HOSP DK-1
N1690	E10b.NURHM OR HOSP DK-2
N1691	E10c.NURHM OR HOSP DK-3
N1692	E10d.NURHM OR HOSP DK-4
N1693	E10e.NURHM OR HOSP DK-5
N1699	Ex10g.HOSPICE-YR
N1702	Ex10k.HOSPICE NOT COV
N1703	Ex10m.HOSPICE R PAY \$
N1704	Ex10n.HOSPICE DK-1
N1705	Ex10p.HOSPICE DK-2
N1706	Ex10q.HOSPICE DK-3
N1707	Ex10r.HOSPICE DK-4
N1708	Ex10s.HOSPICE DK-5
N1709	E11.DR TIMES
N1712	E13.DR, NOT COV
N1732	E18a.DOCTOR/OUT/DENTAL R PAY \$
N1733	E18b.DK-1
N1734	E18c.DK-2
N1735	E18d.DK-3
N1736	E18e.DK-4
N1737	E18f.DK-5
N1744	E20.DRUGS-YR
N1748	E21.DRUGS, NOT COV
N1749	E21a.PRESCR R PAY \$
N1750	E21b.PRESCR DK-1
N1751	E21c.PRESCR DK-2
N1752	E21d.PRESCR DK-3
N1753	E21e.PRESCR DK-4
N1754	E21f.PRESCR DK-5
N1760	E22.IN-HOME SERV
N1762	E23.IN-HOME R PAY \$
N1774	E24.R USE SERVICE
N1781	E24a.SPECIAL R PAY \$
N1782	E24b.SPECIAL DK-1

N1783	E24c.SPECIAL DK-2
N1784	E24d.SPECIAL DK-3
N1785	E24e.SPECIAL DK-4
N1786	E24f.SPECIAL DK-5
N1791	E25x.OTHER OUT-OF-POCKET
N1792	E25ax.OTHER R PAY \$
N1793	E25bx.OTHER DK-1
N1794	E25cx.OTHER DK-2
N1795	E25dx.OTHER DK-3
N1796	E25ex.OTHER DK-4
N1797	E25fx.OTHER DK-5
N226	CS2cx.PLACE OF DEATH
HRS 1996:	
P1245	E1. HOSPITAL-YR
P1253	E4. HOSP \$ NOT COV
P1262	E5. NURSING HOME-YR
P1267	E8.NURHM NOT COV
P1269	E10. NURHM OR HOSP R PAY \$
P1270	E10a. NURHM OR HOSP DK-1
P1271	E10b. NURHM OR HOSP DK-2
P1272	E10c. NURHM OR HOSP DK-3
P1273	E10d. NURHM OR HOSP DK-4
P1274	E10e. NURHM OR HOSP DK-5
P1280	Ex10g.HOSPICE-YR
P1283	Ex10k.HOSPICE NOT COV
P1284	Ex10m.HOSPICE R PAY \$
P1285	Ex10n.HOSPICE DK-1
P1286	Ex10p.HOSPICE DK-2
P1287	Ex10q.HOSPICE DK-3
P1288	Ex10r.HOSPICE DK-4
P1289	Ex10s.HOSPICE DK-5
P1290	E11. DR TIMES
P1293	E13.DR, NOT COV
P1313	E18a.DOCTOR/OUT/DENTAL R PAY \$
P1314	E18b. DK-1
P1315	E18c. DK-2
P1316	E18d. DK-3
P1317	E18e. DK-4
P1318	E18f. DK-5
P1325	E20. DRUGS-YR
P1329	E21. DRUGS, NOT COV
P1330	E21a.PRESCR R PAY \$
P1331	E21b.PRESCR DK-1
P1332	E21c.PRESCR DK-2
P1333	E21d.PRESCR DK-3
P1334	E21e.PRESCR DK-4
P1335	E21f.PRESCR DK-5
P1341	E22.IN-HOME SERV
P1343	E23. IN-HOME R PAY \$
P1355	E24.R USE SERVICE
P1362	E24a.SPECIAL R PAY \$
P1363	E24b.SPECIAL DK-1
P1364	E24c.SPECIAL DK-2
P1365	E24d.SPECIAL DK-3
P1366	E24e.SPECIAL DK-4
P1367	E24f.SPECIAL DK-5
P1372	E25x.OTHER OUT-OF-POCKET
P1373	E25ax.OTHER R PAY \$
P1374	E25bx.OTHER DK-1

P1375	E25cx.OTHER DK-2
P1376	E25dx.OTHER DK-3
P1377	E25ex.OTHER DK-4
P1378	E25fx.OTHER DK-5
P226	CS2cx.PLACE OF DEATH
HRS 1998:	
Q1728	E1. HOSPITAL-YR
Q1735	E4. HOSP \$ NOT COV
Q1743	E5. NURSING HOME-YR
Q1748	E8.NURHM NOT COV
Q1749	E10. NURHM OR HOSP R PAY \$
Q1750	E10a. NURHM OR HOSP DK-1
Q1751	E10b. NURHM OR HOSP DK-2
Q1752	E10c. NURHM OR HOSP DK-3
Q1753	E10b1. NURHM OR HOSP DK-4
Q1754	E10b1. NURHM OR HOSP DK-5
Q1755	E10d. NURHM OR HOSP DK-6
Q1756	E10e. NURHM OR HOSP DK-7
Q1764	Ex10g.HOSPICE STAY - NOT FINAL
Q1769	Ex10k.HOSPICE NOT COV
Q1770	Ex10m. HOSPICE R PAY \$
Q1771	Ex10n. HOSPICE DK-1
Q1772	Ex10p. HOSPICE DK-2
Q1773	Ex10q. HOSPICE DK-3
Q1774	Ex10r. HOSPICE DK-4
Q1775	Ex10s. HOSPICE DK-5
Q1776	Ex10t. HOSPICE DK-6
Q1777	Ex10u. HOSPICE DK-7
Q1778	E11. DR TIMES
Q1779	E13.DR, NOT COV
Q1784	E18a.DOCTOR R PAY \$
Q1785	E18b.DR/OUT/DENTAL DK-1
Q1786	E18c.DR/OUT/DENTAL DK-2
Q1787	E18d.DR/OUT/DENTAL DK-3
Q1788	E18e.DR/OUT/DENTAL DK-4
Q1789	E18c1. DR/OUT/DENTAL DK-5
Q1790	E18f. DR/OUT/DENTAL DK-6
Q1791	E18g. DR/OUT/DENTAL DK-7
Q1792	E20. DRUGS-YR
Q1793	E21. DRUGS, NOT COV
Q1794	E21a.PRESCR R PAY \$
Q1795	E21b.PRESCR DK-1
Q1796	E21c.PRESCR DK-2
Q1797	E21d.PRESCR DK-3
Q1798	E21e.PRESCR DK-4
Q1799	E21b1. PRESCR DK-5
Q1800	E21e. PRESCR DK-6
Q1801	E21f. PRESCR DK-7
Q1804	E22.IN-HOME SERV
Q1806	E23. IN-HOME R PAY \$
Q1808	E24.R USE SERVICE
Q1811	E24a.SPECIAL R PAY \$
Q1812	E24b.SPECIAL DK-1
Q1813	E24c.SPECIAL DK-2
Q1814	E24d.SPECIAL DK-3
Q1815	E24e.SPECIAL DK-4
Q1816	E24f.SPECIAL DK-5
Q1817	E25x.OTHER MEDICAL EXPENSES
Q1818	E25ax.OTHER MEDICAL PAY \$

Q1819	E25bx.OTHER MEDICAL DK-1
Q1820	E25cx.OTHER MEDICAL DK-2
Q1821	E25dx.OTHER MEDICAL DK-3
Q1822	E25ex.OTHER MEDICAL DK-4
Q1823	E25fx.OTHER MEDICAL DK-5
Q491	CS2cx.PLACE OF DEATH
HRS 2000:	
R1739	E1. HOSPITAL-YR
R1746	E4. HOSP \$ NOT COV
R1754	E5. NURSING HOME-YR
R1759	E8.NURHM NOT COV
R1760	E10. NURHM OR HOSP R PAY \$
R1761	E10a. NURHM OR HOSP DK-1
R1762	E10b. NURHM OR HOSP DK-2
R1763	E10c. NURHM OR HOSP DK-3
R1764	E10b1. NURHM OR HOSP DK-2
R1765	E10Y1b1. NURHM OR HOSP DK-2
R1766	E10d. NURHM OR HOSP DK-4
R1767	E10e. NURHM OR HOSP DK-5
R1775	Ex10g. HOSPICE-YR
R1780	Ex10k.HOSPICE NOT COV
R1781	Ex10m. HOSPICE R PAY \$
R1782	Ex10n. HOSPICE DK-1
R1783	Ex10p. HOSPICE DK-2
R1784	Ex10q. HOSPICE DK-3
R1785	Ex10r. HOSPICE DK-2
R1786	Ex10s. HOSPICE DK-2
R1787	Ex10t. HOSPICE DK-4
R1788	Ex10u. HOSPICE DK-5
R1789	E11. DR TIMES
R1795	E13.DR-NOT COVERED
R1800	E18a.DOCTOR/OUT R PAY \$
R1801	E18b.DR/OUT DK-1
R1802	E18c.DR/OUT DK-2
R1803	E18d.DR/OUT DK-3
R1804	E18e.DR/OUT DK-4
R1805	E18c1.DR/OUT DK-2
R1806	E18f.DR/OUT DK-4
R1807	E18g.DR/OUT DK-5
R1808	E20. DRUGS-YR
R1809	E21. DRUGS-NOT COVERED
R1810	E21a.PRESCR R PAY \$
R1811	E21b.PRESCR DK-1
R1812	E21c.PRESCR DK-2
R1813	E21d.PRESCR DK-3
R1814	E21e.PRESCR DK-4
R1815	E21b1.PRESCR DK-2
R1816	E21Y1e.PRESCR DK-4
R1817	E21f.PRESCR DK-5
R1820	E22.IN-HOME SERV
R1822	E23. IN-HOME R PAY \$
R1824	E24.R USE SERVICE
R1827	E24a.SPECIAL R PAY \$
R1828	E24b.SPECIAL DK-1
R1829	E24c.SPECIAL DK-2
R1830	E24d.SPECIAL DK-3
R1831	E24e.SPECIAL DK-4
R1832	E24f.SPECIAL DK-5
R1834	E25x.OTHER MEDICAL EXPENSES

R1835	E25ax.OTHER MEDICAL PAY \$
R1836	E25bx.OTHER MEDICAL DK-1
R1837	E25cx.OTHER MEDICAL DK-2
R1838	E25dx.OTHER MEDICAL DK-3
R1839	E25ex.OTHER MEDICAL DK-4
R1840	E25fx.OTHER MEDICAL DK-5
R525	CS2cx.PLACE OF DEATH
HRS 2002:	
SA028	R IN NURSING HOME
HRS 2010:	
WA028	R IN NURSING HOME
HRS 2012:	
XA028	R IN NURSING HOME
HRS 2014:	
YA028	R IN NURSING HOME
HRS 2016:	
ZA028	R IN NURSING HOME
HRS 2002-2012:	
xN102	HOSPITAL STAYS COVERED BY INS
xN118	NH COSTS COVERED BY INSURANCE
xN152	DOCTOR VISITS COVERED BY INSURANCE
xN175	TAKE PRESCRIPTION DRUGS REGULARLY
xN176	DRUG COSTS COVERED BY INSURANCE
xN190	HOME HEALTH SERVICE COST COVERED BY INS
xN320	SINCE LAST IW- HOSPICE PATIENT
xN324	HOSPICE STAY COV BY INSURANCE
HRS 2002-2016:	
xA065	MONTH MOVED TO NH
xA066	YEAR MOVED TO NURS HOME
xA124	LOCATION OF DEATH
xN099	OVERNIGHT STAY IN HOSP-SINCE PREV IW/2YR
xN106	AMT PAID O-O-P HOSPITAL COSTS
xN107	AMT PAID O-O-P HOSPITAL COSTS - MIN
xN108	AMT PAID O-O-P HOSPITAL COSTS - MAX
xN114	EVER PATIENT OVERNIGHT IN NURSING HOME
xN115	# TIMES SPENT OVERNIGHT IN NURSING HOME
xN116	NUM NIGHTS R SPENT OVERNIGHT IN NH
xN117	NUM MOS R SPENT OVERNIGHT IN NH
xN119	AMT PAID O-O-P NURSING HOME
xN120	AMT PAID O-O-P NURSING HOME- MIN
xN121	AMT PAID O-O-P NURSING HOME- MAX
xN156	AMT PAY O-O-P FOR DOC VISITS
xN157	AMT PAY O-O-P FOR DOC VISITS - MIN
xN158	AMT PAY O-O-P FOR DOC VISITS - MAX
xN180	AMT PAY O-O-P RX DRUGS PER MONTH
xN181	AMT PAY O-O-P RX DRUGS PER MONTH- MIN
xN182	AMT PAY O-O-P RX DRUGS PER MONTH- MAX
xN194	AMT PAY O-O-P HOME HEALTH SVC
xN195	AMT PAY O-O-P HOME HEALTH SVC - MIN
xN196	AMT PAY O-O-P HOME HEALTH SVC - MAX
xN202	USED OTHER HEALTH SVC- PREV IW/2 YRS
xN203	OTHER HEALTH SVC PAID BY R/SP/P
xN239	AMT PAY O-O-P OTHER HEALTH SERVICE
xN246	AMT PAY O-O-P OTHER HEALTH SERVICE- MIN
xN247	AMT PAY O-O-P OTHER HEALTH SERVICE- MAX
xN328	OOP COSTS- HOSPICE- AMT
xN329	OOP COSTS- HOSPICE- MIN
xN330	OOP COSTS- HOSPICE- MAX
xN332	OTHER OOP MEDICAL EXPENSES

xN333	OTHER OOP COSTS- AMT
xN334	OTHER OOP COSTS- MIN
xN335	OTHER OOP COSTS- MAX
HRS 2004-2008:	
xA167	R IN NURSING HOME
HRS 2010-2012:	
xN135	OUTPATIENT SURG COSTS COVERED BY HI
xN165	DENTAL COSTS COVERED BY INSURANCE
HRS 2010-2016:	
xN139	AMT PAID O-O-P OUTPAT SURGERY
xN140	AMT PAID O-O-P OUTPAT SURGERY - MIN
xN141	AMT PAID O-O-P OUTPAT SURGERY - MAX
xN168	AMT PAY O-O-P DENTAL
xN169	AMT PAY O-O-P DENTAL - MIN
xN170	AMT PAY O-O-P DENTAL - MAX
HRS 2014-2016:	
xN433_1	INSURANCE PAY ANY - 1
xN433_2	INSURANCE PAY ANY - 2
xN433_3	INSURANCE PAY ANY - 3
xN433_4	INSURANCE PAY ANY - 4
xN433_5	INSURANCE PAY ANY - 5
xN433_6	INSURANCE PAY ANY - 6
xN433_7	INSURANCE PAY ANY - 7
xN434_1	INSURANCE PAY ALL - 1
xN434_2	INSURANCE PAY ALL - 2
xN434_3	INSURANCE PAY ALL - 3
xN434_4	INSURANCE PAY ALL - 4
xN434_5	INSURANCE PAY ALL - 5
xN434_6	INSURANCE PAY ALL - 6
xN434_7	INSURANCE PAY ALL - 7
xN435_2	INSURANCE PAY HALF - 2

Whether health limits work

Wave	Variable	Label	Type
1	R1HLTHLM	R1HLTHLM:W1 Hlth problems limit work	Categ
2	R2HLTHLM	R2HLTHLM:W2 Hlth problems limit work	Categ
3	R3HLTHLM	R3HLTHLM:W3 Hlth problems limit work	Categ
4	R4HLTHLM	R4HLTHLM:W4 Hlth problems limit work	Categ
5	R5HLTHLM	R5HLTHLM:W5 Hlth problems limit work	Categ
6	R6HLTHLM	R6HLTHLM:W6 Hlth problems limit work	Categ
7	R7HLTHLM	R7HLTHLM:W7 Hlth problems limit work	Categ
8	R8HLTHLM	R8HLTHLM:W8 Hlth problems limit work	Categ
9	R9HLTHLM	R9HLTHLM:W9 Hlth problems limit work	Categ
10	R10HLTHLM	R10HLTHLM:W10 Hlth problems limit work	Categ
11	R11HLTHLM	R11HLTHLM:W11 Hlth problems limit work	Categ
12	R12HLTHLM	R12HLTHLM:W12 Hlth problems limit work	Categ
13	R13HLTHLM	R13HLTHLM:W13 Hlth problems limit work	Categ
1	S1HLTHLM	S1HLTHLM:W1 Hlth problems limit work	Categ
2	S2HLTHLM	S2HLTHLM:W2 Hlth problems limit work	Categ
3	S3HLTHLM	S3HLTHLM:W3 Hlth problems limit work	Categ
4	S4HLTHLM	S4HLTHLM:W4 Hlth problems limit work	Categ
5	S5HLTHLM	S5HLTHLM:W5 Hlth problems limit work	Categ
6	S6HLTHLM	S6HLTHLM:W6 Hlth problems limit work	Categ
7	S7HLTHLM	S7HLTHLM:W7 Hlth problems limit work	Categ
8	S8HLTHLM	S8HLTHLM:W8 Hlth problems limit work	Categ
9	S9HLTHLM	S9HLTHLM:W9 Hlth problems limit work	Categ
10	S10HLTHLM	S10HLTHLM:W10 Hlth problems limit work	Categ
11	S11HLTHLM	S11HLTHLM:W11 Hlth problems limit work	Categ
12	S12HLTHLM	S12HLTHLM:W12 Hlth problems limit work	Categ
13	S13HLTHLM	S13HLTHLM:W13 Hlth problems limit work	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HLTHLM	12624	0.22	0.41	0.0	1.0
R2HLTHLM	11383	0.25	0.43	0.0	1.0
R3HLTHLM	10906	0.27	0.44	0.0	1.0
R4HLTHLM	21251	0.32	0.47	0.0	1.0
R5HLTHLM	19450	0.31	0.46	0.0	1.0
R6HLTHLM	18069	0.32	0.47	0.0	1.0
R7HLTHLM	13815	0.17	0.38	0.0	1.0
R8HLTHLM	16259	0.31	0.46	0.0	1.0
R9HLTHLM	15232	0.32	0.47	0.0	1.0
R10HLTHLM	20733	0.34	0.47	0.0	1.0
R11HLTHLM	19444	0.34	0.47	0.0	1.0
R12HLTHLM	17936	0.37	0.48	0.0	1.0
R13HLTHLM	20243	0.38	0.48	0.0	1.0
S1HLTHLM	9890	0.20	0.40	0.0	1.0
S2HLTHLM	8723	0.22	0.42	0.0	1.0
S3HLTHLM	8284	0.24	0.43	0.0	1.0
S4HLTHLM	13933	0.28	0.45	0.0	1.0
S5HLTHLM	12682	0.27	0.44	0.0	1.0
S6HLTHLM	11585	0.27	0.44	0.0	1.0
S7HLTHLM	9779	0.15	0.36	0.0	1.0
S8HLTHLM	10876	0.27	0.44	0.0	1.0
S9HLTHLM	9893	0.27	0.45	0.0	1.0
S10HLTHLM	12958	0.29	0.45	0.0	1.0
S11HLTHLM	12040	0.30	0.46	0.0	1.0

S12HLTHLM	10704	0.31	0.46	0.0	1.0
S13HLTHLM	11562	0.32	0.47	0.0	1.0

Categorical Variable Codes

RwHLTHLM: Hlth problems limit work											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		14	12	53	53	50	48	43	49	112
.M=Oth missing	|		14	38	53	40	25	12	10	11	232
.Q=Not asked this wv	|		8222	7027							
.R=RF	|	28	9	8	27	35	21	14	8	10	32
.W=Not working	|							1376	2147	1910	916
.Y=Assumed yes	|							4864	2	5	9
0.No	|	9907	8557	8014	14482	13335	12312	11438	11145	10385	13693
1.Yes	|	2717	2826	2892	6769	6115	5757	2377	5114	4847	7040
Value		w11	w12	w13							
.D=DK/NA	|	95	122	91							
.M=Oth missing	|	27	33	105							
.Q=Not asked this wv	|										
.R=RF	|	31	32	45							
.W=Not working	|	939	612	418							
.Y=Assumed yes	|	18	12	10							
0.No	|	12801	11304	12618							
1.Yes	|	6643	6632	7625							
SwHLTHLM: Hlth problems limit work											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		9	9	18	28	29	29	25	22	56
.M=Oth missing	|		2	11	15	8	16	2	2	2	133
.Q=Not asked this wv	|		4549	3704							
.R=RF	|	10	7	4	14	12	9	9	4	4	20
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	322	536	311	220	380	317	365	722
.W=Not working	|							559	828	723	342
.Y=Assumed yes	|							2594		2	4
0.No	|	7924	6774	6277	10097	9273	8470	8287	7918	7173	9214
1.Yes	|	1966	1949	2007	3836	3409	3115	1492	2958	2720	3744
Value		w11	w12	w13							
.D=DK/NA	|	53	62	35							
.M=Oth missing	|	6	13	33							
.Q=Not asked this wv	|										
.R=RF	|	15	12	19							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
.W=Not working	|	369	220	129							
.Y=Assumed yes	|	5	1	1							
0.No	|	8477	7340	7876							
1.Yes	|	3563	3364	3686							

How Constructed

RwHLTHLM indicates whether an impairment or health problem limits the kind or amount of paid work for the Respondent. SwHLTHLM is the same information for the Respondent's spouse or partner.

RwHLTHLM simply recodes the original HRS variable as a yes/no indicator and sets missing values to missing codes.

In Waves 2A and 3A, this question was not asked. So for the AHEAD Respondents, R2HLTHLM and R3HLTHLM are set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S1HLTHLM is taken from the Wave 1 spouse's R1HLTHLM.

Cross Wave Differences in Original HRS Data

In Waves 2A and 3A, the question about health affecting or limiting any work is not asked.

The question wording is the same in all other waves:

"Now I want to ask how your health affects paid work activities. Do you have any impairment or health problem that limits the kind or amount of paid work you can do?"

From Wave 4 forward, the same question is asked in two sections. One is the disability section for re-interviewees, and one is the disability section for new interviewees.

In Wave 7, if re-interviewees have previously reported a health limitation, these questions are skipped and assigned ".Y=Assumed Yes." This skip pattern bypasses the Respondents that have previously reported a health limitation, but may no longer have a limitation. From Wave 7 forward, "not working," recoded .W, is added as a possible answer.

HRS Variables Used

HRS 1992:	
V4001	J1:HAVE DISABILITY
HRS 1994:	
W5200	J1.HEALTH PROBLEM THAT L
HRS 1996:	
E3507	GD1. HEALTH PROB
HRS 1998:	
F4017	GD1. HEALTH PROB
F4201	GJ1.HEALTH PROB
HRS 2000:	
G4307	GD1. HEALTH PROB
G4553	GJ1.HEALTH PROB
HRS 2002-2016:	
xM002	HM002 HEALTH PROB
xM502	HEALTH PROB

Bedridden Around Time of Death

Wave	Variable	Label	Type
E	REBEDRID	REBEDRID:EXIT Bedridden around time of death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
REBEDRID	13278	0.30	0.46	0.0	1.0

Categorical Variable Codes

REBEDRID: EXIT Bedridden around time of death

Value	
.D=DK	786
.M=Oth missing	13
.Q=Not asked this wv	175
.R=RF	13
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No (> 86 days in bed, las	9360
1.Yes (<= 86 days in bed, 1	3918

How Constructed

REBEDRID indicates whether the Respondent was bedridden in the last three months of life. This variable recodes raw data about the number of days the Respondent stayed in bed more than half of the day because of illness or injury during their last three months of life. It indicates whether the total number of days reported is greater than or equal to 86. If a Respondent spent 86 or more days in bed, the Activities of Daily Life section is skipped in some waves of the Exit Interview.

The question was not asked in Wave 2H. REBEDRID is set to .Q if the Respondent's Exit Interview took place in Wave 2H.

Cross Wave Differences in Original HRS Data

The response options vary across waves. From Wave 3 to Wave 6, the maximum value for the raw data was 93, and this was also the value assigned to responses of "every day." From Wave 7 forward, the value of 93 corresponds to "every day." In some later waves, a small number of values above 93 are seen, but no values above 100 are seen. Values above the possible number of days in a three month period are treated the same as "every day" responses, and the Respondent is set to bedridden.

HRS Variables Used

AHEAD 1995:
 N1819 E31x.DAYS IN BED
 HRS 1996:

P1400	E31x.DAYS IN BED
HRS 1998:	
Q1842	E32.(OLD E31) DAYS IN BED
HRS 2000:	
R1862	E32.(OLD E31) DAYS IN BED
HRS 2002-2016:	
xG129	NUMBER DAYS IN BED

Activities of daily living (ADLs): Raw recodes

Wave	Variable	Label	Type
1	R1WALKR	R1WALKR:W1 R Diff-Walk across room	Categ
2	R2WALKR	R2WALKR:W2 R Diff-Walk across room	Categ
3	R3WALKR	R3WALKR:W3 R Diff-Walk across room	Categ
4	R4WALKR	R4WALKR:W4 R Diff-Walk across room	Categ
5	R5WALKR	R5WALKR:W5 R Diff-Walk across room	Categ
6	R6WALKR	R6WALKR:W6 R Diff-Walk across room	Categ
7	R7WALKR	R7WALKR:W7 R Diff-Walk across room	Categ
8	R8WALKR	R8WALKR:W8 R Diff-Walk across room	Categ
9	R9WALKR	R9WALKR:W9 R Diff-Walk across room	Categ
10	R10WALKR	R10WALKR:W10 R Diff-Walk across room	Categ
11	R11WALKR	R11WALKR:W11 R Diff-Walk across room	Categ
12	R12WALKR	R12WALKR:W12 R Diff-Walk across room	Categ
13	R13WALKR	R13WALKR:W13 R Diff-Walk across room	Categ
1	S1WALKR	S1WALKR:W1 S Diff-Walk across room	Categ
2	S2WALKR	S2WALKR:W2 S Diff-Walk across room	Categ
3	S3WALKR	S3WALKR:W3 S Diff-Walk across room	Categ
4	S4WALKR	S4WALKR:W4 S Diff-Walk across room	Categ
5	S5WALKR	S5WALKR:W5 S Diff-Walk across room	Categ
6	S6WALKR	S6WALKR:W6 S Diff-Walk across room	Categ
7	S7WALKR	S7WALKR:W7 S Diff-Walk across room	Categ
8	S8WALKR	S8WALKR:W8 S Diff-Walk across room	Categ
9	S9WALKR	S9WALKR:W9 S Diff-Walk across room	Categ
10	S10WALKR	S10WALKR:W10 S Diff-Walk across room	Categ
11	S11WALKR	S11WALKR:W11 S Diff-Walk across room	Categ
12	S12WALKR	S12WALKR:W12 S Diff-Walk across room	Categ
13	S13WALKR	S13WALKR:W13 S Diff-Walk across room	Categ
2	R2WALKRH	R2WALKRH:W2 R Gets Help-Walk across room	Categ
3	R3WALKRH	R3WALKRH:W3 R Gets Help-Walk across room	Categ
4	R4WALKRH	R4WALKRH:W4 R Gets Help-Walk across room	Categ
5	R5WALKRH	R5WALKRH:W5 R Gets Help-Walk across room	Categ
6	R6WALKRH	R6WALKRH:W6 R Gets Help-Walk across room	Categ
7	R7WALKRH	R7WALKRH:W7 R Gets Help-Walk across room	Categ
8	R8WALKRH	R8WALKRH:W8 R Gets Help-Walk across room	Categ
9	R9WALKRH	R9WALKRH:W9 R Gets Help-Walk across room	Categ
10	R10WALKRH	R10WALKRH:W10 R Gets Help-Walk across room	Categ
11	R11WALKRH	R11WALKRH:W11 R Gets Help-Walk across room	Categ
12	R12WALKRH	R12WALKRH:W12 R Gets Help-Walk across room	Categ
13	R13WALKRH	R13WALKRH:W13 R Gets Help-Walk across room	Categ
2	S2WALKRH	S2WALKRH:W2 S Gets Help-Walk across room	Categ
3	S3WALKRH	S3WALKRH:W3 S Gets Help-Walk across room	Categ
4	S4WALKRH	S4WALKRH:W4 S Gets Help-Walk across room	Categ
5	S5WALKRH	S5WALKRH:W5 S Gets Help-Walk across room	Categ
6	S6WALKRH	S6WALKRH:W6 S Gets Help-Walk across room	Categ
7	S7WALKRH	S7WALKRH:W7 S Gets Help-Walk across room	Categ
8	S8WALKRH	S8WALKRH:W8 S Gets Help-Walk across room	Categ
9	S9WALKRH	S9WALKRH:W9 S Gets Help-Walk across room	Categ
10	S10WALKRH	S10WALKRH:W10 S Gets Help-Walk across room	Categ
11	S11WALKRH	S11WALKRH:W11 S Gets Help-Walk across room	Categ
12	S12WALKRH	S12WALKRH:W12 S Gets Help-Walk across room	Categ
13	S13WALKRH	S13WALKRH:W13 S Gets Help-Walk across room	Categ
2	R2WALKRE	R2WALKRE:W2 R Eqp-Walk across room	Categ
3	R3WALKRE	R3WALKRE:W3 R Eqp-Walk across room	Categ
4	R4WALKRE	R4WALKRE:W4 R Eqp-Walk across room	Categ
5	R5WALKRE	R5WALKRE:W5 R Eqp-Walk across room	Categ
6	R6WALKRE	R6WALKRE:W6 R Eqp-Walk across room	Categ
7	R7WALKRE	R7WALKRE:W7 R Eqp-Walk across room	Categ
8	R8WALKRE	R8WALKRE:W8 R Eqp-Walk across room	Categ
9	R9WALKRE	R9WALKRE:W9 R Eqp-Walk across room	Categ
10	R10WALKRE	R10WALKRE:W10 R Eqp-Walk across room	Categ
11	R11WALKRE	R11WALKRE:W11 R Eqp-Walk across room	Categ
12	R12WALKRE	R12WALKRE:W12 R Eqp-Walk across room	Categ
13	R13WALKRE	R13WALKRE:W13 R Eqp-Walk across room	Categ

2	S2WALKRE	S2WALKRE:W2 S Eqp-Walk across room	Categ
3	S3WALKRE	S3WALKRE:W3 S Eqp-Walk across room	Categ
4	S4WALKRE	S4WALKRE:W4 S Eqp-Walk across room	Categ
5	S5WALKRE	S5WALKRE:W5 S Eqp-Walk across room	Categ
6	S6WALKRE	S6WALKRE:W6 S Eqp-Walk across room	Categ
7	S7WALKRE	S7WALKRE:W7 S Eqp-Walk across room	Categ
8	S8WALKRE	S8WALKRE:W8 S Eqp-Walk across room	Categ
9	S9WALKRE	S9WALKRE:W9 S Eqp-Walk across room	Categ
10	S10WALKRE	S10WALKRE:W10 S Eqp-Walk across room	Categ
11	S11WALKRE	S11WALKRE:W11 S Eqp-Walk across room	Categ
12	S12WALKRE	S12WALKRE:W12 S Eqp-Walk across room	Categ
13	S13WALKRE	S13WALKRE:W13 S Eqp-Walk across room	Categ
1	R1DRESS	R1DRESS:W1 R Diff-Dressing	Categ
2	R2DRESS	R2DRESS:W2 R Diff-Dressing	Categ
3	R3DRESS	R3DRESS:W3 R Diff-Dressing	Categ
4	R4DRESS	R4DRESS:W4 R Diff-Dressing	Categ
5	R5DRESS	R5DRESS:W5 R Diff-Dressing	Categ
6	R6DRESS	R6DRESS:W6 R Diff-Dressing	Categ
7	R7DRESS	R7DRESS:W7 R Diff-Dressing	Categ
8	R8DRESS	R8DRESS:W8 R Diff-Dressing	Categ
9	R9DRESS	R9DRESS:W9 R Diff-Dressing	Categ
10	R10DRESS	R10DRESS:W10 R Diff-Dressing	Categ
11	R11DRESS	R11DRESS:W11 R Diff-Dressing	Categ
12	R12DRESS	R12DRESS:W12 R Diff-Dressing	Categ
13	R13DRESS	R13DRESS:W13 R Diff-Dressing	Categ
1	S1DRESS	S1DRESS:W1 S Diff-Dressing	Categ
2	S2DRESS	S2DRESS:W2 S Diff-Dressing	Categ
3	S3DRESS	S3DRESS:W3 S Diff-Dressing	Categ
4	S4DRESS	S4DRESS:W4 S Diff-Dressing	Categ
5	S5DRESS	S5DRESS:W5 S Diff-Dressing	Categ
6	S6DRESS	S6DRESS:W6 S Diff-Dressing	Categ
7	S7DRESS	S7DRESS:W7 S Diff-Dressing	Categ
8	S8DRESS	S8DRESS:W8 S Diff-Dressing	Categ
9	S9DRESS	S9DRESS:W9 S Diff-Dressing	Categ
10	S10DRESS	S10DRESS:W10 S Diff-Dressing	Categ
11	S11DRESS	S11DRESS:W11 S Diff-Dressing	Categ
12	S12DRESS	S12DRESS:W12 S Diff-Dressing	Categ
13	S13DRESS	S13DRESS:W13 S Diff-Dressing	Categ
2	R2DRESSH	R2DRESSH:W2 R Gets Help-Dressing	Categ
3	R3DRESSH	R3DRESSH:W3 R Gets Help-Dressing	Categ
4	R4DRESSH	R4DRESSH:W4 R Gets Help-Dressing	Categ
5	R5DRESSH	R5DRESSH:W5 R Gets Help-Dressing	Categ
6	R6DRESSH	R6DRESSH:W6 R Gets Help-Dressing	Categ
7	R7DRESSH	R7DRESSH:W7 R Gets Help-Dressing	Categ
8	R8DRESSH	R8DRESSH:W8 R Gets Help-Dressing	Categ
9	R9DRESSH	R9DRESSH:W9 R Gets Help-Dressing	Categ
10	R10DRESSH	R10DRESSH:W10 R Gets Help-Dressing	Categ
11	R11DRESSH	R11DRESSH:W11 R Gets Help-Dressing	Categ
12	R12DRESSH	R12DRESSH:W12 R Gets Help-Dressing	Categ
13	R13DRESSH	R13DRESSH:W13 R Gets Help-Dressing	Categ
2	S2DRESSH	S2DRESSH:W2 S Gets Help-Dressing	Categ
3	S3DRESSH	S3DRESSH:W3 S Gets Help-Dressing	Categ
4	S4DRESSH	S4DRESSH:W4 S Gets Help-Dressing	Categ
5	S5DRESSH	S5DRESSH:W5 S Gets Help-Dressing	Categ
6	S6DRESSH	S6DRESSH:W6 S Gets Help-Dressing	Categ
7	S7DRESSH	S7DRESSH:W7 S Gets Help-Dressing	Categ
8	S8DRESSH	S8DRESSH:W8 S Gets Help-Dressing	Categ
9	S9DRESSH	S9DRESSH:W9 S Gets Help-Dressing	Categ
10	S10DRESSH	S10DRESSH:W10 S Gets Help-Dressing	Categ
11	S11DRESSH	S11DRESSH:W11 S Gets Help-Dressing	Categ
12	S12DRESSH	S12DRESSH:W12 S Gets Help-Dressing	Categ
13	S13DRESSH	S13DRESSH:W13 S Gets Help-Dressing	Categ
1	R1BATH	R1BATH:W1 R Diff-Bathing or showerng	Categ
2	R2BATH	R2BATH:W2 R Diff-Bathing or showerng	Categ
3	R3BATH	R3BATH:W3 R Diff-Bathing or showerng	Categ
4	R4BATH	R4BATH:W4 R Diff-Bathing or showerng	Categ

5	R5BATH	R5BATH:W5 R Diff-Bathing or showerng	Categ
6	R6BATH	R6BATH:W6 R Diff-Bathing or showerng	Categ
7	R7BATH	R7BATH:W7 R Diff-Bathing or showerng	Categ
8	R8BATH	R8BATH:W8 R Diff-Bathing or showerng	Categ
9	R9BATH	R9BATH:W9 R Diff-Bathing or showerng	Categ
10	R10BATH	R10BATH:W10 R Diff-Bathing or showerng	Categ
11	R11BATH	R11BATH:W11 R Diff-Bathing or showerng	Categ
12	R12BATH	R12BATH:W12 R Diff-Bathing or showerng	Categ
13	R13BATH	R13BATH:W13 R Diff-Bathing or showerng	Categ
1	S1BATH	S1BATH:W1 S Diff-Bathing or showerng	Categ
2	S2BATH	S2BATH:W2 S Diff-Bathing or showerng	Categ
3	S3BATH	S3BATH:W3 S Diff-Bathing or showerng	Categ
4	S4BATH	S4BATH:W4 S Diff-Bathing or showerng	Categ
5	S5BATH	S5BATH:W5 S Diff-Bathing or showerng	Categ
6	S6BATH	S6BATH:W6 S Diff-Bathing or showerng	Categ
7	S7BATH	S7BATH:W7 S Diff-Bathing or showerng	Categ
8	S8BATH	S8BATH:W8 S Diff-Bathing or showerng	Categ
9	S9BATH	S9BATH:W9 S Diff-Bathing or showerng	Categ
10	S10BATH	S10BATH:W10 S Diff-Bathing or showerng	Categ
11	S11BATH	S11BATH:W11 S Diff-Bathing or showerng	Categ
12	S12BATH	S12BATH:W12 S Diff-Bathing or showerng	Categ
13	S13BATH	S13BATH:W13 S Diff-Bathing or showerng	Categ
2	R2BATHH	R2BATHH:W2 R Gets Help-Bathing, showerng	Categ
3	R3BATHH	R3BATHH:W3 R Gets Help-Bathing, showerng	Categ
4	R4BATHH	R4BATHH:W4 R Gets Help-Bathing, showerng	Categ
5	R5BATHH	R5BATHH:W5 R Gets Help-Bathing, showerng	Categ
6	R6BATHH	R6BATHH:W6 R Gets Help-Bathing, showerng	Categ
7	R7BATHH	R7BATHH:W7 R Gets Help-Bathing, showerng	Categ
8	R8BATHH	R8BATHH:W8 R Gets Help-Bathing, showerng	Categ
9	R9BATHH	R9BATHH:W9 R Gets Help-Bathing, showerng	Categ
10	R10BATHH	R10BATHH:W10 R Gets Help-Bathing, showerng	Categ
11	R11BATHH	R11BATHH:W11 R Gets Help-Bathing, showerng	Categ
12	R12BATHH	R12BATHH:W12 R Gets Help-Bathing, showerng	Categ
13	R13BATHH	R13BATHH:W13 R Gets Help-Bathing, showerng	Categ
2	S2BATHH	S2BATHH:W2 S Gets Help-Bathing, showerng	Categ
3	S3BATHH	S3BATHH:W3 S Gets Help-Bathing, showerng	Categ
4	S4BATHH	S4BATHH:W4 S Gets Help-Bathing, showerng	Categ
5	S5BATHH	S5BATHH:W5 S Gets Help-Bathing, showerng	Categ
6	S6BATHH	S6BATHH:W6 S Gets Help-Bathing, showerng	Categ
7	S7BATHH	S7BATHH:W7 S Gets Help-Bathing, showerng	Categ
8	S8BATHH	S8BATHH:W8 S Gets Help-Bathing, showerng	Categ
9	S9BATHH	S9BATHH:W9 S Gets Help-Bathing, showerng	Categ
10	S10BATHH	S10BATHH:W10 S Gets Help-Bathing, showerng	Categ
11	S11BATHH	S11BATHH:W11 S Gets Help-Bathing, showerng	Categ
12	S12BATHH	S12BATHH:W12 S Gets Help-Bathing, showerng	Categ
13	S13BATHH	S13BATHH:W13 S Gets Help-Bathing, showerng	Categ
1	R1EAT	R1EAT:W1 R Diff-Eating	Categ
2	R2EAT	R2EAT:W2 R Diff-Eating	Categ
3	R3EAT	R3EAT:W3 R Diff-Eating	Categ
4	R4EAT	R4EAT:W4 R Diff-Eating	Categ
5	R5EAT	R5EAT:W5 R Diff-Eating	Categ
6	R6EAT	R6EAT:W6 R Diff-Eating	Categ
7	R7EAT	R7EAT:W7 R Diff-Eating	Categ
8	R8EAT	R8EAT:W8 R Diff-Eating	Categ
9	R9EAT	R9EAT:W9 R Diff-Eating	Categ
10	R10EAT	R10EAT:W10 R Diff-Eating	Categ
11	R11EAT	R11EAT:W11 R Diff-Eating	Categ
12	R12EAT	R12EAT:W12 R Diff-Eating	Categ
13	R13EAT	R13EAT:W13 R Diff-Eating	Categ
1	S1EAT	S1EAT:W1 S Diff-Eating	Categ
2	S2EAT	S2EAT:W2 S Diff-Eating	Categ
3	S3EAT	S3EAT:W3 S Diff-Eating	Categ
4	S4EAT	S4EAT:W4 S Diff-Eating	Categ
5	S5EAT	S5EAT:W5 S Diff-Eating	Categ
6	S6EAT	S6EAT:W6 S Diff-Eating	Categ
7	S7EAT	S7EAT:W7 S Diff-Eating	Categ
8	S8EAT	S8EAT:W8 S Diff-Eating	Categ

9	S9EAT	S9EAT:W9 S Diff-Eating	Categ
10	S10EAT	S10EAT:W10 S Diff-Eating	Categ
11	S11EAT	S11EAT:W11 S Diff-Eating	Categ
12	S12EAT	S12EAT:W12 S Diff-Eating	Categ
13	S13EAT	S13EAT:W13 S Diff-Eating	Categ
2	R2EATH	R2EATH:W2 R Gets Help-Eating	Categ
3	R3EATH	R3EATH:W3 R Gets Help-Eating	Categ
4	R4EATH	R4EATH:W4 R Gets Help-Eating	Categ
5	R5EATH	R5EATH:W5 R Gets Help-Eating	Categ
6	R6EATH	R6EATH:W6 R Gets Help-Eating	Categ
7	R7EATH	R7EATH:W7 R Gets Help-Eating	Categ
8	R8EATH	R8EATH:W8 R Gets Help-Eating	Categ
9	R9EATH	R9EATH:W9 R Gets Help-Eating	Categ
10	R10EATH	R10EATH:W10 R Gets Help-Eating	Categ
11	R11EATH	R11EATH:W11 R Gets Help-Eating	Categ
12	R12EATH	R12EATH:W12 R Gets Help-Eating	Categ
13	R13EATH	R13EATH:W13 R Gets Help-Eating	Categ
2	S2EATH	S2EATH:W2 S Gets Help-Eating	Categ
3	S3EATH	S3EATH:W3 S Gets Help-Eating	Categ
4	S4EATH	S4EATH:W4 S Gets Help-Eating	Categ
5	S5EATH	S5EATH:W5 S Gets Help-Eating	Categ
6	S6EATH	S6EATH:W6 S Gets Help-Eating	Categ
7	S7EATH	S7EATH:W7 S Gets Help-Eating	Categ
8	S8EATH	S8EATH:W8 S Gets Help-Eating	Categ
9	S9EATH	S9EATH:W9 S Gets Help-Eating	Categ
10	S10EATH	S10EATH:W10 S Gets Help-Eating	Categ
11	S11EATH	S11EATH:W11 S Gets Help-Eating	Categ
12	S12EATH	S12EATH:W12 S Gets Help-Eating	Categ
13	S13EATH	S13EATH:W13 S Gets Help-Eating	Categ
1	R1BED	R1BED:W1 R Diff-Get in/out of bed	Categ
2	R2BED	R2BED:W2 R Diff-Get in/out of bed	Categ
3	R3BED	R3BED:W3 R Diff-Get in/out of bed	Categ
4	R4BED	R4BED:W4 R Diff-Get in/out of bed	Categ
5	R5BED	R5BED:W5 R Diff-Get in/out of bed	Categ
6	R6BED	R6BED:W6 R Diff-Get in/out of bed	Categ
7	R7BED	R7BED:W7 R Diff-Get in/out of bed	Categ
8	R8BED	R8BED:W8 R Diff-Get in/out of bed	Categ
9	R9BED	R9BED:W9 R Diff-Get in/out of bed	Categ
10	R10BED	R10BED:W10 R Diff-Get in/out of bed	Categ
11	R11BED	R11BED:W11 R Diff-Get in/out of bed	Categ
12	R12BED	R12BED:W12 R Diff-Get in/out of bed	Categ
13	R13BED	R13BED:W13 R Diff-Get in/out of bed	Categ
1	S1BED	S1BED:W1 S Diff-Get in/out of bed	Categ
2	S2BED	S2BED:W2 S Diff-Get in/out of bed	Categ
3	S3BED	S3BED:W3 S Diff-Get in/out of bed	Categ
4	S4BED	S4BED:W4 S Diff-Get in/out of bed	Categ
5	S5BED	S5BED:W5 S Diff-Get in/out of bed	Categ
6	S6BED	S6BED:W6 S Diff-Get in/out of bed	Categ
7	S7BED	S7BED:W7 S Diff-Get in/out of bed	Categ
8	S8BED	S8BED:W8 S Diff-Get in/out of bed	Categ
9	S9BED	S9BED:W9 S Diff-Get in/out of bed	Categ
10	S10BED	S10BED:W10 S Diff-Get in/out of bed	Categ
11	S11BED	S11BED:W11 S Diff-Get in/out of bed	Categ
12	S12BED	S12BED:W12 S Diff-Get in/out of bed	Categ
13	S13BED	S13BED:W13 S Diff-Get in/out of bed	Categ
2	R2BEDH	R2BEDH:W2 R Gets Help-Get in/out of bed	Categ
3	R3BEDH	R3BEDH:W3 R Gets Help-Get in/out of bed	Categ
4	R4BEDH	R4BEDH:W4 R Gets Help-Get in/out of bed	Categ
5	R5BEDH	R5BEDH:W5 R Gets Help-Get in/out of bed	Categ
6	R6BEDH	R6BEDH:W6 R Gets Help-Get in/out of bed	Categ
7	R7BEDH	R7BEDH:W7 R Gets Help-Get in/out of bed	Categ
8	R8BEDH	R8BEDH:W8 R Gets Help-Get in/out of bed	Categ
9	R9BEDH	R9BEDH:W9 R Gets Help-Get in/out of bed	Categ
10	R10BEDH	R10BEDH:W10 R Gets Help-Get in/out of bed	Categ
11	R11BEDH	R11BEDH:W11 R Gets Help-Get in/out of bed	Categ
12	R12BEDH	R12BEDH:W12 R Gets Help-Get in/out of bed	Categ
13	R13BEDH	R13BEDH:W13 R Gets Help-Get in/out of bed	Categ

2	S2BEDH	S2BEDH:W2 S Gets Help-Get in/out of bed	Categ
3	S3BEDH	S3BEDH:W3 S Gets Help-Get in/out of bed	Categ
4	S4BEDH	S4BEDH:W4 S Gets Help-Get in/out of bed	Categ
5	S5BEDH	S5BEDH:W5 S Gets Help-Get in/out of bed	Categ
6	S6BEDH	S6BEDH:W6 S Gets Help-Get in/out of bed	Categ
7	S7BEDH	S7BEDH:W7 S Gets Help-Get in/out of bed	Categ
8	S8BEDH	S8BEDH:W8 S Gets Help-Get in/out of bed	Categ
9	S9BEDH	S9BEDH:W9 S Gets Help-Get in/out of bed	Categ
10	S10BEDH	S10BEDH:W10 S Gets Help-Get in/out of bed	Categ
11	S11BEDH	S11BEDH:W11 S Gets Help-Get in/out of bed	Categ
12	S12BEDH	S12BEDH:W12 S Gets Help-Get in/out of bed	Categ
13	S13BEDH	S13BEDH:W13 S Gets Help-Get in/out of bed	Categ
2	R2BEDE	R2BEDE:W2 R Use Eqp-Get in/out of bed	Categ
3	R3BEDE	R3BEDE:W3 R Use Eqp-Get in/out of bed	Categ
4	R4BEDE	R4BEDE:W4 R Use Eqp-Get in/out of bed	Categ
5	R5BEDE	R5BEDE:W5 R Use Eqp-Get in/out of bed	Categ
6	R6BEDE	R6BEDE:W6 R Use Eqp-Get in/out of bed	Categ
7	R7BEDE	R7BEDE:W7 R Use Eqp-Get in/out of bed	Categ
8	R8BEDE	R8BEDE:W8 R Use Eqp-Get in/out of bed	Categ
9	R9BEDE	R9BEDE:W9 R Use Eqp-Get in/out of bed	Categ
10	R10BEDE	R10BEDE:W10 R Use Eqp-Get in/out of bed	Categ
11	R11BEDE	R11BEDE:W11 R Use Eqp-Get in/out of bed	Categ
12	R12BEDE	R12BEDE:W12 R Use Eqp-Get in/out of bed	Categ
13	R13BEDE	R13BEDE:W13 R Use Eqp-Get in/out of bed	Categ
2	S2BEDE	S2BEDE:W2 S Use Eqp-Get in/out of bed	Categ
3	S3BEDE	S3BEDE:W3 S Use Eqp-Get in/out of bed	Categ
4	S4BEDE	S4BEDE:W4 S Use Eqp-Get in/out of bed	Categ
5	S5BEDE	S5BEDE:W5 S Use Eqp-Get in/out of bed	Categ
6	S6BEDE	S6BEDE:W6 S Use Eqp-Get in/out of bed	Categ
7	S7BEDE	S7BEDE:W7 S Use Eqp-Get in/out of bed	Categ
8	S8BEDE	S8BEDE:W8 S Use Eqp-Get in/out of bed	Categ
9	S9BEDE	S9BEDE:W9 S Use Eqp-Get in/out of bed	Categ
10	S10BEDE	S10BEDE:W10 S Use Eqp-Get in/out of bed	Categ
11	S11BEDE	S11BEDE:W11 S Use Eqp-Get in/out of bed	Categ
12	S12BEDE	S12BEDE:W12 S Use Eqp-Get in/out of bed	Categ
13	S13BEDE	S13BEDE:W13 S Use Eqp-Get in/out of bed	Categ
2	R2TOILT	R2TOILT:W2 R Diff-Using the toilet	Categ
3	R3TOILT	R3TOILT:W3 R Diff-Using the toilet	Categ
4	R4TOILT	R4TOILT:W4 R Diff-Using the toilet	Categ
5	R5TOILT	R5TOILT:W5 R Diff-Using the toilet	Categ
6	R6TOILT	R6TOILT:W6 R Diff-Using the toilet	Categ
7	R7TOILT	R7TOILT:W7 R Diff-Using the toilet	Categ
8	R8TOILT	R8TOILT:W8 R Diff-Using the toilet	Categ
9	R9TOILT	R9TOILT:W9 R Diff-Using the toilet	Categ
10	R10TOILT	R10TOILT:W10 R Diff-Using the toilet	Categ
11	R11TOILT	R11TOILT:W11 R Diff-Using the toilet	Categ
12	R12TOILT	R12TOILT:W12 R Diff-Using the toilet	Categ
13	R13TOILT	R13TOILT:W13 R Diff-Using the toilet	Categ
2	S2TOILT	S2TOILT:W2 S Diff-Using the toilet	Categ
3	S3TOILT	S3TOILT:W3 S Diff-Using the toilet	Categ
4	S4TOILT	S4TOILT:W4 S Diff-Using the toilet	Categ
5	S5TOILT	S5TOILT:W5 S Diff-Using the toilet	Categ
6	S6TOILT	S6TOILT:W6 S Diff-Using the toilet	Categ
7	S7TOILT	S7TOILT:W7 S Diff-Using the toilet	Categ
8	S8TOILT	S8TOILT:W8 S Diff-Using the toilet	Categ
9	S9TOILT	S9TOILT:W9 S Diff-Using the toilet	Categ
10	S10TOILT	S10TOILT:W10 S Diff-Using the toilet	Categ
11	S11TOILT	S11TOILT:W11 S Diff-Using the toilet	Categ
12	S12TOILT	S12TOILT:W12 S Diff-Using the toilet	Categ
13	S13TOILT	S13TOILT:W13 S Diff-Using the toilet	Categ
2	R2TOILTH	R2TOILTH:W2 R Gets Help-Using the toilet	Categ
3	R3TOILTH	R3TOILTH:W3 R Gets Help-Using the toilet	Categ
4	R4TOILTH	R4TOILTH:W4 R Gets Help-Using the toilet	Categ
5	R5TOILTH	R5TOILTH:W5 R Gets Help-Using the toilet	Categ
6	R6TOILTH	R6TOILTH:W6 R Gets Help-Using the toilet	Categ
7	R7TOILTH	R7TOILTH:W7 R Gets Help-Using the toilet	Categ

8	R8TOILTH	R8TOILTH:W8 R Gets Help-Using the toilet	Categ
9	R9TOILTH	R9TOILTH:W9 R Gets Help-Using the toilet	Categ
10	R10TOILTH	R10TOILTH:W10 R Gets Help-Using the toilet	Categ
11	R11TOILTH	R11TOILTH:W11 R Gets Help-Using the toilet	Categ
12	R12TOILTH	R12TOILTH:W12 R Gets Help-Using the toilet	Categ
13	R13TOILTH	R13TOILTH:W13 R Gets Help-Using the toilet	Categ
2	S2TOILTH	S2TOILTH:W2 S Gets Help-Using the toilet	Categ
3	S3TOILTH	S3TOILTH:W3 S Gets Help-Using the toilet	Categ
4	S4TOILTH	S4TOILTH:W4 S Gets Help-Using the toilet	Categ
5	S5TOILTH	S5TOILTH:W5 S Gets Help-Using the toilet	Categ
6	S6TOILTH	S6TOILTH:W6 S Gets Help-Using the toilet	Categ
7	S7TOILTH	S7TOILTH:W7 S Gets Help-Using the toilet	Categ
8	S8TOILTH	S8TOILTH:W8 S Gets Help-Using the toilet	Categ
9	S9TOILTH	S9TOILTH:W9 S Gets Help-Using the toilet	Categ
10	S10TOILTH	S10TOILTH:W10 S Gets Help-Using the toilet	Categ
11	S11TOILTH	S11TOILTH:W11 S Gets Help-Using the toilet	Categ
12	S12TOILTH	S12TOILTH:W12 S Gets Help-Using the toilet	Categ
13	S13TOILTH	S13TOILTH:W13 S Gets Help-Using the toilet	Categ
E	REWALKRH	REWALKRH:EXIT R got help-Walk across room	Categ
E	REDRESSH	REDRESSH:EXIT R got help-Dressing	Categ
E	REBATHH	REBATHH:EXIT R got help-Bathing, showering	Categ
E	REEATH	REEATH:EXIT R got help-Eating	Categ
E	REBEDH	REBEDH:EXIT R got help-Get in/out bed	Categ
E	RETOILTH	RETOILTH:EXIT R got help-Using the toilet	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKR	12652	1.08	0.46	1.0	9.0
R2WALKR	19286	0.11	0.49	0.0	9.0
R3WALKR	17950	0.09	0.42	0.0	9.0
R4WALKR	21355	0.09	0.45	0.0	9.0
R5WALKR	19547	0.10	0.52	0.0	9.0
R6WALKR	18155	0.11	0.49	0.0	9.0
R7WALKR	20117	0.10	0.46	0.0	9.0
R8WALKR	18458	0.10	0.46	0.0	9.0
R9WALKR	17206	0.11	0.51	0.0	9.0
R10WALKR	21898	0.09	0.40	0.0	9.0
R11WALKR	20519	0.09	0.36	0.0	9.0
R12WALKR	18715	0.10	0.39	0.0	9.0
R13WALKR	20864	0.09	0.40	0.0	9.0
S1WALKR	9900	1.07	0.44	1.0	9.0
S2WALKR	12820	0.07	0.42	0.0	9.0
S3WALKR	11905	0.06	0.37	0.0	9.0
S4WALKR	13972	0.06	0.36	0.0	9.0
S5WALKR	12721	0.06	0.36	0.0	9.0
S6WALKR	11635	0.07	0.38	0.0	9.0
S7WALKR	12969	0.06	0.36	0.0	9.0
S8WALKR	11734	0.06	0.33	0.0	9.0
S9WALKR	10644	0.07	0.39	0.0	9.0
S10WALKR	13432	0.06	0.34	0.0	9.0
S11WALKR	12475	0.06	0.31	0.0	9.0
S12WALKR	11004	0.06	0.26	0.0	9.0
S13WALKR	11767	0.06	0.30	0.0	9.0
R2WALKRH	8221	0.14	0.68	0.0	9.0
R3WALKRH	1342	0.43	0.49	0.0	1.0
R4WALKRH	1567	0.40	0.49	0.0	1.0

R5WALKRH	1530	0.41	0.49	0.0	1.0
R6WALKRH	1527	0.43	0.50	0.0	1.0
R7WALKRH	1548	0.44	0.50	0.0	2.0
R8WALKRH	1535	0.42	0.49	0.0	1.0
R9WALKRH	1488	0.43	0.50	0.0	1.0
R10WALKRH	1788	0.51	0.50	0.0	1.0
R11WALKRH	1682	0.51	0.50	0.0	1.0
R12WALKRH	1632	0.52	0.50	0.0	1.0
R13WALKRH	1696	0.51	0.50	0.0	1.0
S2WALKRH	4348	0.12	0.66	0.0	9.0
S3WALKRH	591	0.41	0.49	0.0	1.0
S4WALKRH	644	0.42	0.49	0.0	1.0
S5WALKRH	653	0.42	0.49	0.0	1.0
S6WALKRH	636	0.42	0.49	0.0	1.0
S7WALKRH	642	0.44	0.50	0.0	2.0
S8WALKRH	633	0.43	0.50	0.0	1.0
S9WALKRH	554	0.43	0.50	0.0	1.0
S10WALKRH	717	0.52	0.50	0.0	1.0
S11WALKRH	695	0.50	0.50	0.0	1.0
S12WALKRH	626	0.52	0.50	0.0	1.0
S13WALKRH	639	0.52	0.50	0.0	1.0
R2WALKRE	8221	0.20	0.59	0.0	9.0
R3WALKRE	11612	0.17	0.38	0.0	1.0
R4WALKRE	10330	0.22	0.42	0.0	1.0
R5WALKRE	9721	0.24	0.43	0.0	1.0
R6WALKRE	9574	0.26	0.44	0.0	1.0
R7WALKRE	10283	0.25	0.43	0.0	1.0
R8WALKRE	9846	0.26	0.44	0.0	1.0
R9WALKRE	9229	0.27	0.45	0.0	1.0
R10WALKRE	11083	0.27	0.45	0.0	1.0
R11WALKRE	10316	0.30	0.46	0.0	1.0
R12WALKRE	9702	0.32	0.47	0.0	1.0
R13WALKRE	10289	0.31	0.46	0.0	1.0
S2WALKRE	4348	0.15	0.57	0.0	9.0
S3WALKRE	7144	0.12	0.32	0.0	1.0
S4WALKRE	5978	0.16	0.37	0.0	1.0
S5WALKRE	5601	0.17	0.37	0.0	1.0
S6WALKRE	5431	0.19	0.39	0.0	1.0
S7WALKRE	5849	0.18	0.39	0.0	1.0
S8WALKRE	5523	0.18	0.39	0.0	1.0
S9WALKRE	5021	0.19	0.39	0.0	1.0
S10WALKRE	6043	0.21	0.40	0.0	1.0
S11WALKRE	5535	0.23	0.42	0.0	1.0
S12WALKRE	4989	0.25	0.43	0.0	1.0
S13WALKRE	5065	0.24	0.43	0.0	1.0
R1DRESS	12652	1.05	0.33	1.0	9.0
R2DRESS	19638	0.08	0.39	0.0	9.0
R3DRESS	17950	0.12	0.43	0.0	9.0
R4DRESS	21353	0.12	0.46	0.0	9.0
R5DRESS	19548	0.13	0.54	0.0	9.0
R6DRESS	18153	0.13	0.49	0.0	9.0
R7DRESS	20115	0.12	0.47	0.0	9.0
R8DRESS	18453	0.13	0.48	0.0	9.0
R9DRESS	17207	0.13	0.50	0.0	9.0
R10DRESS	21899	0.13	0.41	0.0	9.0

R11DRESS	20523	0.12	0.40	0.0	9.0
R12DRESS	18721	0.13	0.40	0.0	9.0
R13DRESS	20864	0.12	0.39	0.0	9.0
S1DRESS	9900	1.04	0.31	1.0	9.0
S2DRESS	13089	0.05	0.34	0.0	9.0
S3DRESS	11905	0.09	0.38	0.0	9.0
S4DRESS	13972	0.09	0.40	0.0	9.0
S5DRESS	12723	0.10	0.40	0.0	9.0
S6DRESS	11635	0.09	0.37	0.0	9.0
S7DRESS	12970	0.08	0.37	0.0	9.0
S8DRESS	11733	0.10	0.37	0.0	9.0
S9DRESS	10644	0.10	0.43	0.0	9.0
S10DRESS	13434	0.09	0.33	0.0	9.0
S11DRESS	12480	0.09	0.35	0.0	9.0
S12DRESS	11005	0.10	0.35	0.0	9.0
S13DRESS	11769	0.09	0.33	0.0	9.0
R2DRESSH	8221	0.19	0.73	0.0	9.0
R3DRESSH	1883	0.52	0.50	0.0	1.0
R4DRESSH	2196	0.53	0.50	0.0	1.0
R5DRESSH	2094	0.53	0.50	0.0	1.0
R6DRESSH	1939	0.56	0.50	0.0	1.0
R7DRESSH	2009	0.57	0.50	0.0	1.0
R8DRESSH	2060	0.55	0.50	0.0	1.0
R9DRESSH	1938	0.55	0.50	0.0	1.0
R10DRESSH	2573	0.57	0.50	0.0	1.0
R11DRESSH	2318	0.59	0.49	0.0	1.0
R12DRESSH	2317	0.58	0.49	0.0	1.0
R13DRESSH	2423	0.57	0.50	0.0	1.0
S2DRESSH	4348	0.18	0.73	0.0	9.0
S3DRESSH	954	0.55	0.50	0.0	1.0
S4DRESSH	1117	0.53	0.50	0.0	1.0
S5DRESSH	1061	0.52	0.50	0.0	1.0
S6DRESSH	930	0.57	0.50	0.0	1.0
S7DRESSH	977	0.58	0.49	0.0	1.0
S8DRESSH	1015	0.57	0.50	0.0	1.0
S9DRESSH	881	0.54	0.50	0.0	1.0
S10DRESSH	1225	0.59	0.49	0.0	1.0
S11DRESSH	1063	0.59	0.49	0.0	1.0
S12DRESSH	1054	0.59	0.49	0.0	1.0
S13DRESSH	1054	0.58	0.49	0.0	1.0
R1BATH	12652	1.08	0.47	1.0	9.0
R2BATH	19634	0.08	0.39	0.0	9.0
R3BATH	17950	0.09	0.43	0.0	9.0
R4BATH	21350	0.10	0.44	0.0	9.0
R5BATH	19550	0.10	0.49	0.0	9.0
R6BATH	18154	0.11	0.48	0.0	9.0
R7BATH	20112	0.10	0.45	0.0	9.0
R8BATH	18455	0.10	0.44	0.0	9.0
R9BATH	17207	0.10	0.44	0.0	9.0
R10BATH	21897	0.09	0.36	0.0	9.0
R11BATH	20525	0.09	0.36	0.0	9.0
R12BATH	18720	0.10	0.38	0.0	9.0
R13BATH	20869	0.09	0.32	0.0	9.0
S1BATH	9900	1.06	0.41	1.0	9.0

S2BATH	13086	0.05	0.31	0.0	9.0
S3BATH	11905	0.06	0.31	0.0	9.0
S4BATH	13971	0.06	0.33	0.0	9.0
S5BATH	12724	0.06	0.33	0.0	9.0
S6BATH	11635	0.06	0.33	0.0	9.0
S7BATH	12969	0.06	0.34	0.0	9.0
S8BATH	11732	0.06	0.28	0.0	9.0
S9BATH	10644	0.06	0.34	0.0	9.0
S10BATH	13432	0.06	0.28	0.0	9.0
S11BATH	12481	0.06	0.29	0.0	9.0
S12BATH	11005	0.06	0.26	0.0	9.0
S13BATH	11770	0.05	0.24	0.0	9.0
R2BATHH	8219	0.23	0.80	0.0	9.0
R3BATHH	1390	0.65	0.48	0.0	1.0
R4BATHH	1758	0.60	0.49	0.0	1.0
R5BATHH	1617	0.64	0.48	0.0	1.0
R6BATHH	1549	0.69	0.46	0.0	1.0
R7BATHH	1599	0.66	0.47	0.0	1.0
R8BATHH	1530	0.65	0.48	0.0	1.0
R9BATHH	1497	0.66	0.47	0.0	1.0
R10BATHH	1873	0.64	0.48	0.0	1.0
R11BATHH	1794	0.65	0.48	0.0	1.0
R12BATHH	1732	0.64	0.48	0.0	1.0
R13BATHH	1740	0.64	0.48	0.0	1.0
S2BATHH	4347	0.17	0.69	0.0	9.0
S3BATHH	568	0.63	0.48	0.0	1.0
S4BATHH	728	0.59	0.49	0.0	1.0
S5BATHH	637	0.62	0.49	0.0	1.0
S6BATHH	588	0.68	0.47	0.0	1.0
S7BATHH	617	0.64	0.48	0.0	1.0
S8BATHH	593	0.65	0.48	0.0	1.0
S9BATHH	537	0.61	0.49	0.0	1.0
S10BATHH	718	0.65	0.48	0.0	1.0
S11BATHH	680	0.61	0.49	0.0	1.0
S12BATHH	635	0.64	0.48	0.0	1.0
S13BATHH	612	0.65	0.48	0.0	1.0
R1EAT	12652	1.02	0.23	1.0	9.0
R2EAT	19639	0.02	0.21	0.0	9.0
R3EAT	17951	0.05	0.31	0.0	9.0
R4EAT	21353	0.05	0.34	0.0	9.0
R5EAT	19554	0.05	0.41	0.0	9.0
R6EAT	18154	0.05	0.38	0.0	9.0
R7EAT	20110	0.05	0.39	0.0	9.0
R8EAT	18456	0.06	0.41	0.0	9.0
R9EAT	17206	0.05	0.38	0.0	9.0
R10EAT	21895	0.05	0.37	0.0	9.0
R11EAT	20531	0.06	0.37	0.0	9.0
R12EAT	18722	0.05	0.32	0.0	9.0
R13EAT	20870	0.05	0.32	0.0	9.0
S1EAT	9900	1.02	0.22	1.0	9.0
S2EAT	13087	0.01	0.19	0.0	9.0
S3EAT	11905	0.03	0.26	0.0	9.0
S4EAT	13971	0.03	0.27	0.0	9.0
S5EAT	12725	0.03	0.31	0.0	9.0
S6EAT	11634	0.03	0.29	0.0	9.0

S7EAT	12971	0.03	0.27	0.0	9.0
S8EAT	11733	0.03	0.27	0.0	9.0
S9EAT	10643	0.03	0.31	0.0	9.0
S10EAT	13431	0.03	0.26	0.0	9.0
S11EAT	12483	0.04	0.28	0.0	9.0
S12EAT	11005	0.03	0.23	0.0	9.0
S13EAT	11770	0.03	0.27	0.0	9.0
R2EATH	8221	0.11	0.54	0.0	9.0
R3EATH	691	0.60	0.49	0.0	1.0
R4EATH	826	0.60	0.49	0.0	1.0
R5EATH	749	0.68	0.47	0.0	1.0
R6EATH	752	0.63	0.48	0.0	1.0
R7EATH	776	0.63	0.48	0.0	1.0
R8EATH	795	0.64	0.48	0.0	1.0
R9EATH	724	0.62	0.48	0.0	1.0
R10EATH	956	0.52	0.50	0.0	1.0
R11EATH	916	0.55	0.50	0.0	1.0
R12EATH	888	0.54	0.50	0.0	1.0
R13EATH	850	0.47	0.50	0.0	1.0
S2EATH	4348	0.08	0.50	0.0	9.0
S3EATH	306	0.59	0.49	0.0	1.0
S4EATH	362	0.64	0.48	0.0	1.0
S5EATH	312	0.67	0.47	0.0	1.0
S6EATH	290	0.65	0.48	0.0	1.0
S7EATH	301	0.63	0.48	0.0	1.0
S8EATH	319	0.64	0.48	0.0	1.0
S9EATH	256	0.60	0.49	0.0	1.0
S10EATH	376	0.51	0.50	0.0	1.0
S11EATH	378	0.54	0.50	0.0	1.0
S12EATH	342	0.53	0.50	0.0	1.0
S13EATH	320	0.45	0.50	0.0	1.0
R1BED	12652	1.12	0.50	1.0	9.0
R2BED	19631	0.07	0.38	0.0	9.0
R3BED	17950	0.08	0.35	0.0	9.0
R4BED	21352	0.09	0.39	0.0	9.0
R5BED	19550	0.09	0.43	0.0	9.0
R6BED	18150	0.09	0.45	0.0	9.0
R7BED	20114	0.08	0.40	0.0	9.0
R8BED	18455	0.09	0.42	0.0	9.0
R9BED	17202	0.09	0.41	0.0	9.0
R10BED	21891	0.09	0.38	0.0	9.0
R11BED	20520	0.09	0.41	0.0	9.0
R12BED	18714	0.09	0.40	0.0	9.0
R13BED	20863	0.09	0.41	0.0	9.0
S1BED	9900	1.11	0.47	1.0	9.0
S2BED	13083	0.06	0.37	0.0	9.0
S3BED	11905	0.06	0.30	0.0	9.0
S4BED	13971	0.06	0.31	0.0	9.0
S5BED	12724	0.06	0.34	0.0	9.0
S6BED	11633	0.06	0.33	0.0	9.0
S7BED	12970	0.05	0.33	0.0	9.0
S8BED	11731	0.07	0.35	0.0	9.0
S9BED	10644	0.06	0.35	0.0	9.0
S10BED	13430	0.06	0.29	0.0	9.0
S11BED	12477	0.07	0.34	0.0	9.0

S12BED	11001	0.07	0.32	0.0	9.0
S13BED	11769	0.06	0.33	0.0	9.0
R2BEDH	8220	0.10	0.56	0.0	9.0
R3BEDH	1353	0.40	0.49	0.0	1.0
R4BEDH	1568	0.39	0.49	0.0	1.0
R5BEDH	1401	0.43	0.49	0.0	1.0
R6BEDH	1316	0.47	0.50	0.0	1.0
R7BEDH	1343	0.48	0.50	0.0	1.0
R8BEDH	1377	0.46	0.50	0.0	1.0
R9BEDH	1257	0.49	0.50	0.0	1.0
R10BEDH	1748	0.50	0.50	0.0	1.0
R11BEDH	1664	0.53	0.50	0.0	1.0
R12BEDH	1552	0.52	0.50	0.0	1.0
R13BEDH	1702	0.52	0.50	0.0	1.0
S2BEDH	4347	0.09	0.57	0.0	9.0
S3BEDH	645	0.39	0.49	0.0	1.0
S4BEDH	746	0.38	0.49	0.0	1.0
S5BEDH	667	0.40	0.49	0.0	1.0
S6BEDH	582	0.47	0.50	0.0	1.0
S7BEDH	604	0.49	0.50	0.0	1.0
S8BEDH	660	0.44	0.50	0.0	1.0
S9BEDH	522	0.44	0.50	0.0	1.0
S10BEDH	791	0.51	0.50	0.0	1.0
S11BEDH	756	0.51	0.50	0.0	1.0
S12BEDH	668	0.53	0.50	0.0	1.0
S13BEDH	684	0.54	0.50	0.0	1.0
R2BEDE	8220	0.06	0.38	0.0	9.0
R3BEDE	11611	0.07	0.25	0.0	1.0
R4BEDE	10328	0.09	0.28	0.0	1.0
R5BEDE	9721	0.09	0.29	0.0	1.0
R6BEDE	9566	0.11	0.31	0.0	1.0
R7BEDE	10279	0.10	0.30	0.0	1.0
R8BEDE	9838	0.10	0.31	0.0	1.0
R9BEDE	9225	0.10	0.31	0.0	1.0
R10BEDE	11073	0.11	0.31	0.0	1.0
R11BEDE	10310	0.12	0.33	0.0	1.0
R12BEDE	9684	0.13	0.34	0.0	1.0
R13BEDE	10286	0.13	0.34	0.0	1.0
S2BEDE	4347	0.05	0.42	0.0	9.0
S3BEDE	7144	0.05	0.21	0.0	1.0
S4BEDE	5978	0.06	0.23	0.0	1.0
S5BEDE	5603	0.06	0.24	0.0	1.0
S6BEDE	5429	0.07	0.26	0.0	1.0
S7BEDE	5849	0.06	0.24	0.0	1.0
S8BEDE	5521	0.07	0.25	0.0	1.0
S9BEDE	5021	0.07	0.25	0.0	1.0
S10BEDE	6040	0.08	0.27	0.0	1.0
S11BEDE	5533	0.09	0.28	0.0	1.0
S12BEDE	4983	0.10	0.29	0.0	1.0
S13BEDE	5065	0.10	0.29	0.0	1.0
R2TOILT	8218	0.05	0.28	0.0	2.0
R3TOILT	17950	0.07	0.37	0.0	9.0
R4TOILT	21347	0.08	0.41	0.0	9.0
R5TOILT	19547	0.08	0.44	0.0	9.0

R6TOILT	18148	0.09	0.49	0.0	9.0
R7TOILT	20113	0.08	0.49	0.0	9.0
R8TOILT	18455	0.10	0.51	0.0	9.0
R9TOILT	17202	0.09	0.52	0.0	9.0
R10TOILT	21886	0.08	0.41	0.0	9.0
R11TOILT	20530	0.08	0.42	0.0	9.0
R12TOILT	18718	0.09	0.43	0.0	9.0
R13TOILT	20865	0.08	0.39	0.0	9.0
S2TOILT	4347	0.03	0.23	0.0	2.0
S3TOILT	11904	0.05	0.30	0.0	9.0
S4TOILT	13969	0.05	0.34	0.0	9.0
S5TOILT	12725	0.05	0.34	0.0	9.0
S6TOILT	11631	0.05	0.35	0.0	9.0
S7TOILT	12968	0.05	0.37	0.0	9.0
S8TOILT	11731	0.06	0.39	0.0	9.0
S9TOILT	10644	0.05	0.37	0.0	9.0
S10TOILT	13428	0.05	0.31	0.0	9.0
S11TOILT	12483	0.06	0.37	0.0	9.0
S12TOILT	11007	0.06	0.32	0.0	9.0
S13TOILT	11769	0.05	0.35	0.0	9.0
R2TOILTH	8219	0.06	0.41	0.0	3.0
R3TOILTH	1064	0.36	0.48	0.0	1.0
R4TOILTH	1334	0.34	0.48	0.0	1.0
R5TOILTH	1250	0.35	0.48	0.0	1.0
R6TOILTH	1190	0.39	0.49	0.0	1.0
R7TOILTH	1221	0.37	0.48	0.0	1.0
R8TOILTH	1343	0.33	0.47	0.0	1.0
R9TOILTH	1200	0.37	0.48	0.0	1.0
R10TOILTH	1544	0.33	0.47	0.0	1.0
R11TOILTH	1453	0.38	0.48	0.0	1.0
R12TOILTH	1398	0.36	0.48	0.0	1.0
R13TOILTH	1393	0.36	0.48	0.0	1.0
S2TOILTH	4347	0.05	0.37	0.0	3.0
S3TOILTH	460	0.35	0.48	0.0	1.0
S4TOILTH	608	0.33	0.47	0.0	1.0
S5TOILTH	571	0.30	0.46	0.0	1.0
S6TOILTH	483	0.37	0.48	0.0	1.0
S7TOILTH	503	0.35	0.48	0.0	1.0
S8TOILTH	565	0.30	0.46	0.0	1.0
S9TOILTH	470	0.31	0.46	0.0	1.0
S10TOILTH	615	0.31	0.46	0.0	1.0
S11TOILTH	586	0.34	0.47	0.0	1.0
S12TOILTH	554	0.34	0.47	0.0	1.0
S13TOILTH	531	0.34	0.47	0.0	1.0
REWALKRH	10089	0.52	0.92	0.0	9.0
REDRESSH	10083	0.58	0.73	0.0	9.0
REBATHH	10083	0.61	0.61	0.0	9.0
REEATH	10077	0.42	0.80	0.0	9.0
REBEDH	10066	0.52	0.77	0.0	9.0
RETOILTH	10053	0.57	1.07	0.0	9.0

Categorical Variable Codes

R1WALKR: R Diff-Walk across room

Value	|	w1
1.Not at all diff	|	12102
2.A little diff	|	295
3.Somewhat diff	|	152
4.Very diff/can't do	|	87
9.Don't do	|	16

R2WALKR: R Diff-Walk across room

Value	|	w2
.D=DK/NA	|	354
.M=Oth missing	|	1
.R=RF	|	1
0.No	|	17954
1.Yes,a little	|	727
2.Yes,a lot	|	579
3.Yes,DK/NA how much	|	4
4.Yes,RF how much	|	1
9.Don't do	|	21

RwWALKR: R Diff-Walk across room

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	2	1	5	3	1	2	1	4
.R=RF	|	3		3		1	2	1	1
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	16607	19789	18021	16630	18562	16922	15719	20113
1.Yes	|	1159	1338	1317	1336	1361	1327	1310	1667
2.Can't do	|	165	199	165	156	164	183	142	98
9.Don't do	|	19	29	44	33	30	26	35	20

Value	|	w11	w12	w13
.D=DK/NA	|	15	15	11
.R=RF	|	2	1	1
.S=Skip	|	18	16	36
0.No	|	18845	17093	19174
1.Yes	|	1564	1552	1588
2.Can't do	|	99	55	83
9.Don't do	|	11	15	19

S1WALKR: S Diff-Walk across room

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	9533
2.A little diff	|	202
3.Somewhat diff	|	96
4.Very diff/can't do	|	55
9.Don't do	|	14

S2WALKR: S Diff-Walk across room

Value	|	w2
.D=DK/NA	|	268
.M=Oth missing	|	1
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	584
0.No	|	12216
1.Yes,a little	|	336
2.Yes,a lot	|	253
3.Yes,DK/NA how much	|	2
4.Yes,RF how much	|	1
9.Don't do	|	12

SwWALKR: S Diff-Walk across room

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	2	1	5	3	1	2	1	4
.R=RF	|	3		3		1	2	1	1
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	16607	19789	18021	16630	18562	16922	15719	20113
1.Yes	|	1159	1338	1317	1336	1361	1327	1310	1667
2.Can't do	|	165	199	165	156	164	183	142	98
9.Don't do	|	19	29	44	33	30	26	35	20

Value	|	w11	w12	w13
.D=DK/NA	|	15	15	11
.R=RF	|	2	1	1
.S=Skip	|	18	16	36
0.No	|	18845	17093	19174
1.Yes	|	1564	1552	1588
2.Can't do	|	99	55	83
9.Don't do	|	11	15	19

R2WALKRH: R Gets Help-Walk across room

Value	w2
.M=Oth missing	1
.Q=Not asked this wv	11420
0.No	7711
1.Yes,occasionally	194
2.Yes,some of the time	112
3.Yes,most of the time	183
9.Don't do	21

RwWALKRH: R Gets Help-Walk across room

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	1		1	1	3	3	1	1
.M=Oth missing	1							
.R=RF	1		3		1	2		1
.S=Skip	16646	19817	18044	16637	18572	16929	15728	20244
.X=Don't do					5			
0.No	770	938	907	870	876	892	841	881
1.Yes	572	629	623	657	669	643	647	907
2.Can't do					3			

Value	w11	w12	w13
.D=DK/NA	8	5	4
.M=Oth missing			
.R=RF	1	1	2
.S=Skip	18863	17109	19210
.X=Don't do			
0.No	819	785	839
1.Yes	863	847	857
2.Can't do			

S2WALKRH: S Gets Help-Walk across room

Value	w2
.M=Oth missing	1
.Q=Not asked this wv	9125
.U=Unmarried	5968
.V=Spouse NR	200
0.No	4121
1.Yes,occasionally	84
2.Yes,some of the time	51
3.Yes,most of the time	80
9.Don't do	12

SwWALKRH: S Gets Help-Walk across room

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	1		1	1	3	3	1	1
.M=Oth missing	|	1							
.R=RF	|	1		3		1	2		1
.S=Skip	|	16646	19817	18044	16637	18572	16929	15728	20244
.X=Don't do	|					5			
0.No	|	770	938	907	870	876	892	841	881
1.Yes	|	572	629	623	657	669	643	647	907
2.Can't do	|					3			

Value		w11	w12	w13
.D=DK/NA	|	8	5	4
.M=Oth missing	|			
.R=RF	|	1	1	2
.S=Skip	|	18863	17109	19210
.X=Don't do	|			
0.No	|	819	785	839
1.Yes	|	863	847	857
2.Can't do	|			

RwWALKRE: R Eqp-Walk across room

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			1	3	2	2		1	1	3
.M=Oth missing	|		1								
.Q=Not asked this wv	|		11420								
.R=RF	|			1		3		1	2		1
.S=Skip	|			6377	11051	9852	8589	9845	8620	7987	10947
0.No	|		6733	9614	8007	7379	7107	7693	7276	6716	8038
1.Yes	|		1467	1998	2323	2342	2467	2590	2570	2513	3045
9.Don't do	|		21								

Value		w11	w12	w13
.D=DK/NA	|	7	5	4
.M=Oth missing	|			
.Q=Not asked this wv	|			
.R=RF	|	1	2	1
.S=Skip	|	10230	9038	10618
0.No	|	7212	6627	7085
1.Yes	|	3104	3075	3204
9.Don't do	|			

SwWALKRE: S Eqp-Walk across room

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				2		1		1		1
.M=Oth missing		1								
.Q=Not asked this wv		9125								
.R=RF			1		2		1			
.S=Skip			4772	8000	7127	6207	7122	6211	5625	7469
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
0.No		3778	6307	5016	4655	4423	4772	4513	4066	4799
1.Yes		558	837	962	946	1008	1077	1010	955	1244
9.Don't do		12								

Value	w11	w12	w13
.D=DK/NA	2		2
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			
.S=Skip	6951	6023	6712
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	4273	3751	3846
1.Yes	1262	1238	1219
9.Don't do			

R1DRESS: R Diff-Dressing

Value	w1
1.Not at all diff	12278
2.A little diff	238
3.Somewhat diff	85
4.Very diff/can't do	44
9.Don't do	7

R2DRESS: R Diff-Dressing

Value	w2
.D=DK/NA	3
.M=Oth missing	1
0.No	18574
1.Yes,a little	690
2.Yes,a lot	363
9.Don't do	11

RwDRESS: R Diff-Dressing

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3	3	6	5	3	7	1	2
.M=Oth missing	1							
.R=RF	1		1		1	2		2
.S=Skip	36	28	23	7	10	7	9	131
0.No	16068	19160	17458	16216	18104	16398	15269	19328
1.Yes	1719	1981	1917	1790	1850	1889	1798	2495
2.Can't do	148	185	129	118	131	140	110	60
9.Don't do	15	27	44	29	30	26	30	16

Value	w11	w12	w13
.D=DK/NA	10	8	10
.M=Oth missing			
.R=RF	3	2	2
.S=Skip	18	16	36
0.No	18212	16411	18448
1.Yes	2237	2248	2352
2.Can't do	60	51	52
9.Don't do	14	11	12

S1DRESS: S Diff-Dressing

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.Not at all diff	9655
2.A little diff	152
3.Somewhat diff	55
4.Very diff/can't do	33
9.Don't do	5

S2DRESS: S Diff-Dressing

Value	w2
.M=Oth missing	1
.U=Unmarried	5968
.V=Spouse NR	584
0.No	12604
1.Yes,a little	322
2.Yes,a lot	155
9.Don't do	8

SwDRESS: S Diff-Dressing

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3	3	6	5	3	7	1	2
.M=Oth missing	1							
.R=RF	1		1		1	2		2
.S=Skip	36	28	23	7	10	7	9	131
0.No	16068	19160	17458	16216	18104	16398	15269	19328
1.Yes	1719	1981	1917	1790	1850	1889	1798	2495
2.Can't do	148	185	129	118	131	140	110	60
9.Don't do	15	27	44	29	30	26	30	16

Value	w11	w12	w13
.D=DK/NA	10	8	10
.M=Oth missing			
.R=RF	3	2	2
.S=Skip	18	16	36
0.No	18212	16411	18448
1.Yes	2237	2248	2352
2.Can't do	60	51	52
9.Don't do	14	11	12

R2DRESSH: R Gets Help-Dressing

Value	w2
.M=Oth missing	1
.Q=Not asked this wv	11420
0.No	7560
1.Yes,occasionally	157
2.Yes,some of the time	150
3.Yes,most of the time	343
9.Don't do	11

RwDRESSH: R Gets Help-Dressing

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3		1	3	4	2	1	1
.R=RF	|	1		2		2	2		1
.S=Skip	|	16104	19188	17481	16223	18114	16405	15278	19459
0.No	|	897	1039	993	850	866	917	873	1114
1.Yes	|	986	1157	1101	1089	1143	1143	1065	1459

Value		w11	w12	w13
.D=DK/NA	|	4	2	4
.R=RF	|	2	1	1
.S=Skip	|	18230	16427	18484
0.No	|	959	980	1054
1.Yes	|	1359	1337	1369

S2DRESSH: S Gets Help-Dressing

Value		w2
.M=Oth missing	|	1
.Q=Not asked this wv	|	9125
.U=Unmarried	|	5968
.V=Spouse NR	|	200
0.No	|	4036
1.Yes,occasionally	|	79
2.Yes,some of the time	|	64
3.Yes,most of the time	|	161
9.Don't do	|	8

SwDRESSH: S Gets Help-Dressing

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3		1	3	4	2	1	1
.R=RF	|	1		2		2	2		1
.S=Skip	|	16104	19188	17481	16223	18114	16405	15278	19459
0.No	|	897	1039	993	850	866	917	873	1114
1.Yes	|	986	1157	1101	1089	1143	1143	1065	1459

Value		w11	w12	w13
.D=DK/NA	|	4	2	4
.R=RF	|	2	1	1
.S=Skip	|	18230	16427	18484
0.No	|	959	980	1054
1.Yes	|	1359	1337	1369

R1BATH: R Diff-Bathing or showerng

Value	|	w1
1.Not at all diff	|	12081
2.A little diff	|	268
3.Somewhat diff	|	172
4.Very diff/can't do	|	118
9.Don't do	|	13

R2BATH: R Diff-Bathing or showerng

Value	|	w2
.D=DK/NA	|	7
.M=Oth missing	|	1
0.No	|	18642
1.Yes,a little	|	519
2.Yes,a lot	|	464
4.Yes,RF how much	|	1
9.Don't do	|	8

RwBATH: R Diff-Bathing or showerng

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3	6	5	4	5	5	1	5
.M=Oth missing	|	1							
.R=RF	|	1				2	2		1
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	16562	19595	17935	16608	18514	16929	15711	20028
1.Yes	|	1232	1551	1463	1397	1455	1379	1367	1791
2.Can't do	|	135	178	115	117	113	123	107	67
9.Don't do	|	21	26	37	32	30	24	22	11

Value	|	w11	w12	w13
.D=DK/NA	|	9	10	6
.M=Oth missing	|			
.R=RF	|	2	1	1
.S=Skip	|	18	16	36
0.No	|	18736	16998	19134
1.Yes	|	1723	1663	1690
2.Can't do	|	55	46	39
9.Don't do	|	11	13	6

S1BATH: S Diff-Bathing or showerng

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	9555
2.A little diff	|	166
3.Somewhat diff	|	101
4.Very diff/can't do	|	70
9.Don't do	|	8

S2BATH: S Diff-Bathing or showerng

Value	|	w2
.D=DK/NA	|	3
.M=Oth missing	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	584
0.No	|	12652
1.Yes,a little	|	238
2.Yes,a lot	|	193
9.Don't do	|	3

SwBATH: S Diff-Bathing or showerng

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3	6	5	4	5	5	1	5
.M=Oth missing	|	1							
.R=RF	|	1				2	2		1
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	16562	19595	17935	16608	18514	16929	15711	20028
1.Yes	|	1232	1551	1463	1397	1455	1379	1367	1791
2.Can't do	|	135	178	115	117	113	123	107	67
9.Don't do	|	21	26	37	32	30	24	22	11

Value	|	w11	w12	w13
.D=DK/NA	|	9	10	6
.M=Oth missing	|			
.R=RF	|	2	1	1
.S=Skip	|	18	16	36
0.No	|	18736	16998	19134
1.Yes	|	1723	1663	1690
2.Can't do	|	55	46	39
9.Don't do	|	11	13	6

R2BATHH: R Gets Help-Bathing, showerng

Value	w2
.D=DK/NA	2
.M=Oth missing	1
.Q=Not asked this wv	11420
0.No	7511
1.Yes,occasionally	96
2.Yes,some of the time	91
3.Yes,most of the time	513
9.Don't do	8

RwBATHH: R Gets Help-Bathing, showerng

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	3	3	1	4	1		1
.R=RF	1				1	2		1
.S=Skip	16598	19623	17958	16615	18524	16936	15720	20159
.X=Don't do					1			
0.No	483	695	576	474	539	529	507	671
1.Yes	907	1063	1041	1075	1060	1001	990	1202

Value	w11	w12	w13
.D=DK/NA	4	1	2
.R=RF	2		
.S=Skip	18754	17014	19170
.X=Don't do			
0.No	632	622	622
1.Yes	1162	1110	1118

S2BATHH: S Gets Help-Bathing, showerng

Value	w2
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9125
.U=Unmarried	5968
.V=Spouse NR	200
0.No	4076
1.Yes,occasionally	33
2.Yes,some of the time	34
3.Yes,most of the time	201
9.Don't do	3

SwBATHH: S Gets Help-Bathing, showerng

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	2	3	3	1	4	1		1
.R=RF	|	1				1	2		1
.S=Skip	|	16598	19623	17958	16615	18524	16936	15720	20159
.X=Don't do	|					1			
0.No	|	483	695	576	474	539	529	507	671
1.Yes	|	907	1063	1041	1075	1060	1001	990	1202

Value		w11	w12	w13
.D=DK/NA	|	4	1	2
.R=RF	|	2		
.S=Skip	|	18754	17014	19170
.X=Don't do	|			
0.No	|	632	622	622
1.Yes	|	1162	1110	1118

R1EAT: R Diff-Eating

Value		w1
1.Not at all diff	|	12529
2.A little diff	|	78
3.Somewhat diff	|	21
4.Very diff/can't do	|	19
9.Don't do	|	5

R2EAT: R Diff-Eating

Value		w2
.D=DK/NA	|	1
.M=Oth missing	|	1
.R=RF	|	1
0.No	|	19410
1.Yes,a little	|	130
2.Yes,a lot	|	94
4.Yes,RF how much	|	1
9.Don't do	|	4

RwEAT: R Diff-Eating

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3	3	1	4	9	3	2	7
.R=RF	|	1					3		1
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	17260	20529	18804	17405	19340	17662	16483	20941
1.Yes	|	607	717	657	663	672	697	651	888
2.Can't do	|	74	89	63	64	71	69	51	41
9.Don't do	|	10	18	30	22	27	28	21	25

Value		w11	w12	w13
.D=DK/NA	|	4	7	4
.R=RF	|	1	2	2
.S=Skip	|	18	16	36
0.No	|	19617	17842	20021
1.Yes	|	852	845	806
2.Can't do	|	39	22	28
9.Don't do	|	23	13	15

S1EAT: S Diff-Eating

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	9819
2.A little diff	|	50
3.Somewhat diff	|	13
4.Very diff/can't do	|	14
9.Don't do	|	4

S2EAT: S Diff-Eating

Value		w2
.D=DK/NA	|	1
.M=Oth missing	|	1
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	584
0.No	|	12991
1.Yes,a little	|	52
2.Yes,a lot	|	40
4.Yes,RF how much	|	1
9.Don't do	|	3

SwEAT: S Diff-Eating

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3	3	1	4	9	3	2	7
.R=RF	|	1					3		1
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	17260	20529	18804	17405	19340	17662	16483	20941
1.Yes	|	607	717	657	663	672	697	651	888
2.Can't do	|	74	89	63	64	71	69	51	41
9.Don't do	|	10	18	30	22	27	28	21	25

Value		w11	w12	w13
.D=DK/NA	|	4	7	4
.R=RF	|	1	2	2
.S=Skip	|	18	16	36
0.No	|	19617	17842	20021
1.Yes	|	852	845	806
2.Can't do	|	39	22	28
9.Don't do	|	23	13	15

R2EATH: R Gets Help-Eating

Value		w2
.M=Oth missing	|	1
.Q=Not asked this wv	|	11420
0.No	|	7858
1.Yes,occasionally	|	94
2.Yes,some of the time	|	58
3.Yes,most of the time	|	207
9.Don't do	|	4

RwEATH: R Gets Help-Eating

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	2	1	2	1	3	2	1	5
.M=Oth missing	|	1							
.R=RF	|	1					3		1
.S=Skip	|	17296	20557	18827	17412	19350	17669	16492	21072
0.No	|	277	334	243	276	289	284	272	460
1.Yes	|	414	492	506	476	487	511	452	496

Value		w11	w12	w13
.D=DK/NA	|	2		3
.M=Oth missing	|			
.R=RF	|	1	1	2
.S=Skip	|	19635	17858	20057
0.No	|	409	409	452
1.Yes	|	507	479	398

S2EATH: S Gets Help-Eating

Value		w2
.M=Oth missing	|	1
.Q=Not asked this wv	|	9125
.U=Unmarried	|	5968
.V=Spouse NR	|	200
0.No	|	4195
1.Yes,occasionally	|	43
2.Yes,some of the time	|	28
3.Yes,most of the time	|	79
9.Don't do	|	3

SwEATH: S Gets Help-Eating

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	2	1	2	1	3	2	1	5
.M=Oth missing	|	1							
.R=RF	|	1					3		1
.S=Skip	|	17296	20557	18827	17412	19350	17669	16492	21072
0.No	|	277	334	243	276	289	284	272	460
1.Yes	|	414	492	506	476	487	511	452	496

Value		w11	w12	w13
.D=DK/NA	|	2		3
.M=Oth missing	|			
.R=RF	|	1	1	2
.S=Skip	|	19635	17858	20057
0.No	|	409	409	452
1.Yes	|	507	479	398

R1BED: R Diff-Get in/out of bed

Value		w1
1.Not at all diff	|	11672
2.A little diff	|	575
3.Somewhat diff	|	277
4.Very diff/can't do	|	118
9.Don't do	|	10

R2BED: R Diff-Get in/out of bed

Value	|	w2
.D=DK/NA	|	8
.M=Oth missing	|	1
.R=RF	|	2
0.No	|	18622
1.Yes,a little	|	650
2.Yes,a lot	|	344
3.Yes,DK/NA how much	|	1
4.Yes,RF how much	|	3
9.Don't do	|	11

RwBED: R Diff-Get in/out of bed

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	4	5	8	5	4	6	11
.R=RF	|	1					3		1
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	16599	19783	18150	16840	18773	17080	15949	20149
1.Yes	|	1250	1436	1283	1185	1222	1248	1148	1670
2.Can't do	|	92	115	90	97	97	106	87	55
9.Don't do	|	9	18	27	28	22	21	18	17

Value	|	w11	w12	w13
.D=DK/NA	|	14	16	11
.R=RF	|	2	1	2
.S=Skip	|	18	16	36
0.No	|	18871	17169	19171
1.Yes	|	1584	1505	1635
2.Can't do	|	41	21	34
9.Don't do	|	24	19	23

S1BED: S Diff-Get in/out of bed

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	9235
2.A little diff	|	403
3.Somewhat diff	|	179
4.Very diff/can't do	|	76
9.Don't do	|	7

S2BED: S Diff-Get in/out of bed

Value	|	w2
.D=DK/NA	|	4
.M=Oth missing	|	1
.R=RF	|	2
.U=Unmarried	|	5968
.V=Spouse NR	|	584
0.No	|	12559
1.Yes,a little	|	347
2.Yes,a lot	|	164
3.Yes,DK/NA how much	|	1
4.Yes,RF how much	|	3
9.Don't do	|	9

SwBED: S Diff-Get in/out of bed

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	4	5	8	5	4	6	11
.R=RF	|	1					3		1
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	16599	19783	18150	16840	18773	17080	15949	20149
1.Yes	|	1250	1436	1283	1185	1222	1248	1148	1670
2.Can't do	|	92	115	90	97	97	106	87	55
9.Don't do	|	9	18	27	28	22	21	18	17

Value	|	w11	w12	w13
.D=DK/NA	|	14	16	11
.R=RF	|	2	1	2
.S=Skip	|	18	16	36
0.No	|	18871	17169	19171
1.Yes	|	1584	1505	1635
2.Can't do	|	41	21	34
9.Don't do	|	24	19	23

R2BEDH: R Gets Help-Get in/out of bed

Value	w2
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	11420
0.No	7917
1.Yes,occasionally	70
2.Yes,some of the time	48
3.Yes,most of the time	175
9.Don't do	10

RwBEDH: R Gets Help-Get in/out of bed

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	5	4	2	2	2	2	5
.R=RF	1					3		1
.S=Skip	16635	19811	18173	16847	18783	17087	15958	20280
.X=Don't do					1			
0.No	812	951	803	693	698	741	639	878
1.Yes	541	617	598	623	645	636	618	870

Value	w11	w12	w13
.D=DK/NA	9	1	
.R=RF	1	1	2
.S=Skip	18889	17185	19207
.X=Don't do			
0.No	785	743	813
1.Yes	879	809	889

S2BEDH: S Gets Help-Get in/out of bed

Value	w2
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9125
.U=Unmarried	5968
.V=Spouse NR	200
0.No	4210
1.Yes,occasionally	35
2.Yes,some of the time	18
3.Yes,most of the time	76
9.Don't do	8

SwBEDH: S Gets Help-Get in/out of bed

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	2	5	4	2	2	2	2	5
.R=RF	|	1					3		1
.S=Skip	|	16635	19811	18173	16847	18783	17087	15958	20280
.X=Don't do	|					1			
0.No	|	812	951	803	693	698	741	639	878
1.Yes	|	541	617	598	623	645	636	618	870

Value		w11	w12	w13
.D=DK/NA	|		9	1
.R=RF	|	1	1	2
.S=Skip	|	18889	17185	19207
.X=Don't do	|			
0.No	|	785	743	813
1.Yes	|	879	809	889

RwBEDE: R Use Eqp-Get in/out of bed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		1	1	4	4	10	5	7	5	12
.M=Oth missing	|		1	1							
.Q=Not asked this wv	|		11420								
.R=RF	|			1	1	1			4		2
.S=Skip	|			6377	11051	9852	8589	9845	8620	7987	10947
0.No	|		7813	10818	9446	8808	8554	9281	8816	8258	9864
1.Yes	|		397	793	882	913	1012	998	1022	967	1209
9.Don't do	|		10								

Value		w11	w12	w13
.D=DK/NA	|	12	23	7
.M=Oth missing	|			
.Q=Not asked this wv	|			
.R=RF	|	2	2	1
.S=Skip	|	10230	9038	10618
0.No	|	9071	8422	8942
1.Yes	|	1239	1262	1344
9.Don't do	|			

SwBEDE: S Use Eqp-Get in/out of bed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1		1		3	1	2		3
.M=Oth missing		1								
.Q=Not asked this wv		9125								
.R=RF			1	1				1		1
.S=Skip			4772	8000	7127	6207	7122	6211	5625	7469
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
0.No		4191	6817	5634	5258	5045	5490	5143	4686	5575
1.Yes		148	327	344	345	384	359	378	335	465
9.Don't do		8								

Value	w11	w12	w13
.D=DK/NA	3	6	2
.M=Oth missing			
.Q=Not asked this wv			
.R=RF	1		
.S=Skip	6951	6023	6712
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	5059	4506	4580
1.Yes	474	477	485
9.Don't do			

R2TOILT: R Diff-Using the toilet

Value	w2
.D=DK/NA	2
.M=Oth missing	1
.Q=Not asked this wv	11420
.R=RF	1
0.No	7925
1.Yes,a little	161
2.Yes,a lot	132

RwTOILT: R Diff-Using the toilet

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	8	8	9	5	3	6	15
.R=RF	|	1	1		1	1	4		2
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	16886	20015	18300	16962	18890	17115	16005	20351
1.Yes	|	954	1203	1134	1063	1103	1213	1091	1462
2.Can't do	|	95	103	83	84	77	86	63	47
9.Don't do	|	15	26	30	39	43	41	43	26

Value		w11	w12	w13
.D=DK/NA	|	4	12	10
.R=RF	|	2	1	1
.S=Skip	|	18	16	36
0.No	|	19070	17324	19474
1.Yes	|	1398	1345	1336
2.Can't do	|	35	23	32
9.Don't do	|	27	26	23

S2TOILT: S Diff-Using the toilet

Value		w2
.D=DK/NA	|	1
.M=Oth missing	|	1
.Q=Not asked this wv	|	9125
.U=Unmarried	|	5968
.V=Spouse NR	|	200
0.No	|	4243
1.Yes,a little	|	57
2.Yes,a lot	|	47

SwTOILT: S Diff-Using the toilet

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	8	8	9	5	3	6	15
.R=RF	|	1	1		1	1	4		2
.S=Skip	|	36	28	23	7	10	7	9	131
0.No	|	16886	20015	18300	16962	18890	17115	16005	20351
1.Yes	|	954	1203	1134	1063	1103	1213	1091	1462
2.Can't do	|	95	103	83	84	77	86	63	47
9.Don't do	|	15	26	30	39	43	41	43	26

Value		w11	w12	w13
.D=DK/NA	|	4	12	10
.R=RF	|	2	1	1
.S=Skip	|	18	16	36
0.No	|	19070	17324	19474
1.Yes	|	1398	1345	1336
2.Can't do	|	35	23	32
9.Don't do	|	27	26	23

R2TOILTH: R Gets Help-Using the toilet

Value	w2
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	11420
.R=RF	1
0.No	8009
1.Yes,occasionally	35
2.Yes,some of the time	43
3.Yes,most of the time	132

RwTOILTH: R Gets Help-Using the toilet

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3	6	4	6	3		3	6
.R=RF	2	1	1		1	4		2
.S=Skip	16922	20043	18323	16969	18900	17122	16014	20482
.X=Don't do					4			
0.No	679	874	813	723	772	897	762	1030
1.Yes	385	460	437	467	449	446	438	514

Value	w11	w12	w13
.D=DK/NA	11	8	8
.R=RF	2	1	1
.S=Skip	19088	17340	19510
.X=Don't do			
0.No	908	894	890
1.Yes	545	504	503

S2TOILTH: S Gets Help-Using the toilet

Value	w2
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9125
.U=Unmarried	5968
.V=Spouse NR	200
0.No	4255
1.Yes,occasionally	15
2.Yes,some of the time	21
3.Yes,most of the time	56

SwTOILTH: S Gets Help-Using the toilet

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3	6	4	6	3		3	6
.R=RF	|	2	1	1		1	4		2
.S=Skip	|	16922	20043	18323	16969	18900	17122	16014	20482
.X=Don't do	|					4			
0.No	|	679	874	813	723	772	897	762	1030
1.Yes	|	385	460	437	467	449	446	438	514

Value		w11	w12	w13
.D=DK/NA	|	11	8	8
.R=RF	|	2	1	1
.S=Skip	|	19088	17340	19510
.X=Don't do	|			
0.No	|	908	894	890
1.Yes	|	545	504	503

REWALKRH: EXIT R got help-Walk across room

Value		
.D=DK	|	65
.M=Oth missing	|	13
.Q=Not asked this wv	|	175
.R=RF	|	5
.S=Skip	|	3918
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	5648
1.Yes	|	4132
2.Couldn't do	|	231
9.Didn't do	|	78

REDRESSH: EXIT R got help-Dressing

Value		
.D=DK	|	72
.M=Oth missing	|	13
.Q=Not asked this wv	|	175
.R=RF	|	4
.S=Skip	|	3918
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	4639
1.Yes	|	5336
2.Couldn't do	|	70
9.Didn't do	|	38

 REBATHH: EXIT R got help-Bathing, showering

Value		
.D=DK	|	71
.M=Oth missing	|	13
.Q=Not asked this wv	|	175
.R=RF	|	5
.S=Skip	|	3918
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	4170
1.Yes	|	5842
2.Couldn't do	|	53
9.Didn't do	|	18

 REEATH: EXIT R got help-Eating

Value		
.D=DK	|	75
.M=Oth missing	|	13
.Q=Not asked this wv	|	175
.R=RF	|	7
.S=Skip	|	3918
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	6364
1.Yes	|	3575
2.Couldn't do	|	85
9.Didn't do	|	53

 REBEDH: EXIT R got help-Get in/out bed

Value		
.D=DK	|	86
.M=Oth missing	|	13
.Q=Not asked this wv	|	175
.R=RF	|	7
.S=Skip	|	3918
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	5291
1.Yes	|	4658
2.Couldn't do	|	70
9.Didn't do	|	47

RETOILT: EXIT R got help-Using the toilet

Value	
.D=DK	99
.M=Oth missing	13
.Q=Not asked this wv	175
.R=RF	7
.S=Skip	3918
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	5445
1.Yes	4390
2.Couldn't do	95
9.Didn't do	123

How Constructed

Core Interview Variables

These variables recode the raw variables for difficulty with activities of daily living (ADLs) as they appear in the HRS data except for missing values and accounting for skip patterns. The ADLs include walking across a room (RwWALKR), dressing (RwDRESS), bathing (RwBATH), eating (RwEAT), getting in and out of bed (RwBED), and using the toilet (RwTOILT). In the following, references to Rw[adl] apply to all these variables. Also described here are variables coding whether the Respondent gets help with ADLs (Rw[adl]H, e.g., RwDRESSH) or uses equipment to walk across a room or get in and out of bed (RwWALKRE and RwBEDE).

Note that questions about using the toilet are not asked in Waves 1 and 2H. Thus there is no R1TOILT variable and for HRS Respondents in Wave 2, R2TOILT is set to .Q (question not asked). Questions about receiving help or using equipment are not asked in these waves for any of the ADLs. So in Wave 1, the variables R1[adl]H, R1WALKRE, or R1BEDE are not present, and for HRS Respondents in Wave 2H, the R2[adl]H, R2WALKRE, and R2BEDE variables are set to .Q.

The recodes vary across waves because the question and responses can vary across waves. In Wave 1, the HRS imputations are left in place. In all other waves "don't know" is recoded to special missing code .D and "refused" is recoded to .R. In Wave 1, difficulty with an ADL is rated on a 4-point scale from "no difficulty" to "very difficult/can't do." These are assigned without change. A "don't do" answer is recoded to "9."

In Wave 2, the question asks if the Respondent has any difficulty with an ADL and if so, asks follow-up questions about the degree of difficulty. In Wave 2H, the raw variable codes both questions as one categorical variable. In Wave 2A the answer to the first question and a categorical variable for the follow-up are given. In either case, a "no" answer to the first question about any difficulty is recoded to "0," and the categorical levels of difficulty are recoded appropriately to "a little" and "a lot", or "don't know/refused how much." A "don't do" response is coded as "9."

From Wave 3 forward, the answers are simply "yes" for difficulty and "no" if not, which are coded "1" and "0," respectively. A "can't do" response is recoded to "2" and a "don't do" response is recoded to "9." If the response to the difficulty question is missing and the Respondent says "yes" to the follow-up question about getting help with the ADL, then Rw[adl] is set to "1," or "yes, difficulty."

In some waves, questions about activities are skipped based on answers to previous questions. In Waves 1 and 2H, if a Respondent said no difficulty jogging a mile, walking several blocks, or walking one block, the question about walking across a room is skipped. In these cases, RwWALKR is set to "0" for "no difficulty."

From Wave 3 forward, ADL questions are skipped if no difficulty was reported with any of the tasks asked about earlier. In these cases, Rw[adl] is set to "no difficulty." From Wave 4 forward, if difficulty with only one prior task and no difficulty with dressing

was reported, the questions about the rest of the ADLs are skipped. In these cases, the rest of the `Rw[adl]` variables are also set to "no difficulty." The assumption is that, since the Respondent had no difficulty with the earlier activities, s/he would also have reported no difficulty to the activities in the skipped questions.

In Wave 2A and from Wave 3 forward, there are questions about getting help with all ADLs and about use of equipment for walking across a room and getting in and out of bed. The help variables are named `Rw[adl]H`, e.g., `RwWALKRH` and the equipment variables are named `RwWALKRE` and `RwBEDE`. These are coded "1" for yes, "0" for no, .D for "don't know", and .R for "refuse." If the Respondent reported "no difficulty," the help question is skipped, and the help variable (e.g., `RwWALKRH`) is set to .S. The equipment question is asked regardless of the answer to the difficulty question. If the difficulty question is skipped because of previous answers, then both the help and equipment questions are also skipped and `Rw[adl]H` and `RwWALKRE/RwBEDE` are set to .S.

In Wave 2A, the question about getting help was asked before the one about difficulty and using equipment walking across a room. If Respondents answered "don't do" on the getting help question, then both the help and, if applicable, equipment variables, e.g., `R2WALKRH` and `R2WALKRE`, are set to "9." In other waves, the question about help is asked even if the response to whether any difficulty is "don't do." In Wave 7, for the help questions, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses, which are recoded to "2" and "9," respectively.

For all waves when the help question is asked, if Respondents answer "yes" to "getting help" and are missing `Rw[adl]`, we set `Rw[adl]` to "yes."

In Wave 2H, the data needed to derive the help variables (`R2[adl]H`) and `R2WALKRE/R2BEDE` are not collected. `R2[adl]H` and `R2WALKRE/R2BEDE` are set to .Q to indicate that this information is not available for HRS Respondents in this wave.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are other versions of the `Rw[adl]` variables that recode to a yes/no measure for use in creating indices. One version of this variable is derived that attempts to code a consistent cross-wave yes/no dummy that indicates "some difficulty" (`Rw[adl]A`). These are available from Wave 2 forward. Because of the inconsistent coding of the underlying HRS data, we do not construct `R1[adl]A` variables in Wave 1. Please see the description of the `Rw[adl]A` variables under "Activities of daily living (ADLs): Some difficulty" for this version. `Rw[adl]A` variables are used to construct a number of functional limitation indices, including an ADL summary index. Please see "ADL Summary" and "Other Summary Indices."

A third version of these variables are derived for Wave 1 only (`R1[adl]W`). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "ADLs: Recodes for comparison to Wallace and Herzog" for a description of the `R1[adl]W` variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (`Rw[adl]A`) solely due to measurement differences in the raw data. The `R1[adl]W` variables are not appropriate for comparison to the `Rw[adl]A` variables in other waves.

Exit Interview Variables

These variables recode the raw variables for whether the Respondent received help with activities of daily living (ADLs) in the last three months of life. The ADLs include: help getting across a room (`REWALKRH`); dressing, including putting on shoes and socks (`REDRESSH`); bathing or showering (`REBATHH`); eating, such as cutting up food (`REEATH`); getting in or out of bed (`REBEDH`); and using the toilet, including getting up and down (`RETOILTH`).

When asked about whether the Respondent received help with ADLs, the proxy may reply that the Respondent couldn't do or didn't do the activity. A "couldn't do" response is set to "2" and a "didn't do" response is set to "9."

The questions about receiving help are not asked in Wave 2H. The variables `RE[adl]H` are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

If the Respondent was bedridden around his/her time of death, the ADL help questions are skipped and the variables `RE[adl]H` are set to .S. Bedridden is defined as spending more than half the day in bed for 86 or more days during the last three months before

death. Please see "How Constructed" for REBEDRID for more information on bedridden status.

Core and Exit Differences

The Core and Exit Interviews differ in what questions are asked, the values the variables can take, and the skip patterns that lead to certain questions.

The Core Interview asks questions about Respondents' difficulties with activities of daily living (ADLs), help received with ADLs, and equipment used to assist with ADLs (for walking and getting in and out of bed). The Exit Interview only asks questions about help that the Respondent received with ADLs.

Because the Exit Interview doesn't ask questions about difficulty with ADLs, the proxy may reply "couldn't do" and "didn't do" to the help with ADL questions. In the Core Interview the "can't do" and "don't do" responses are available during the difficulty questions, and the help with ADL variables are binary.

The Core Interview has different skip patterns to enter the ADL section depending on the wave. Please see above for specifics. In general, Respondents are asked a preliminary series of questions about difficulties with different physical tasks. If the Respondent reports difficulty with these tasks, they are asked the ADL questions. In the Exit Interview, if the Respondent was not bedridden around time of death, the ADL questions are asked.

Of special note, for the help with ADL questions, Core Respondents are only asked each help question if they report having difficulty with the associated ADL (so a Respondent who reports no difficulty walking across a room would not be asked who helps them walk across a room). Exit proxies are asked all six help with ADL questions unless the Respondent was bedridden around time of death.

Cross Wave Differences in Original HRS Data

Core Interview Variables

Each wave has a series of questions about limits on activities of daily living (ADLs), but the ADLs, the question wording, and possible answers vary.

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime. In Wave 1 these include those identified as ADLs. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. ... Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...] Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "don't do." The answers translate into 4 codes from 1 for "not at all difficult" to 4 for "very difficult/can't do." Another code is used for the "don't do" response. The specific wording for the ADLs is: walk across a room, get in and out of bed without help, bathe or shower without help, eat without help, and dress without help.

In Wave 2H the ADL questions continue to be embedded among other activities as in Wave 1, but the question and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...? [IF YES] Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; and 6=doesn't do. Note that there is no "can't do" category and that "Don't do" is not an option in the instrument. The "doesn't do" category is likely the result of post-interview interpretation of interview comments so may be observed less frequently than in other waves, simply because of questionnaire differences. This does not appear to have a large impact among the ADLs. The

specific wording for the ADLs is: walking across the room, getting in and out of bed without help, bathing or showering without help, eating without help, and dressing without help.

In Waves 1 and 2H, if the Respondent reported no difficulty with jogging a mile, walking several blocks, or walking one block, then the question about walking across the room is skipped.

In Wave 2A, the question asks:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you get help or have any difficulty doing each of the everyday activities. If you never do that activity, just tell me so. Does anyone ever help you ...? Yes, No or Don't do. [IF YES] Do you get help most of the time, some of the time, only occasionally?"

The exact wording for the ADLs in the help question is: get across a room; get in and out of bed; bathe or shower; dress, including putting on socks and shoes; eat, such as cutting up your food; and use the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room?"

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a rail, cane, walker, wheelchair or lift to help you get in and out of bed?"

For walking across a room and getting in and out of bed: "(Even when someone helps you/Even when using the (EQUIPMENT)/Without any help or special equipment) do you have any difficulty [...]? Yes or No. [if YES] Is that a lot or a little difficulty?" The exact wording for the task is: walking across the room and getting in and out of bed.

For other ADLs: "Do you have any difficulty [...] (even when someone helps you/without any help)? Yes or No. [if YES] Is that a lot or a little difficulty?" The exact wording for these tasks is: bathing, eating, dressing, and using the toilet.

Note that in Wave 2A, the question about getting help was asked before any difficulty and using equipment. If the Respondent answered "don't do" on the getting help question, then the questions on any difficulty and equipment are skipped. Note that there is no "can't do" category.

From Wave 3 forward, the questions about ADLs are removed from the initial list of activities. If the Respondent has no difficulty with any of these activities then the questions about ADLs are skipped. Questions ask about ADLs ONLY if the Respondent reported difficulty with some activity on the initial list. The questions on ADLs ask:

"Here are a few more everyday activities. Please tell me if you have any difficulty with these because of a physical, mental, emotional or memory problem. Again exclude any difficulties you expect to last less than three months. Because of a health or memory problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply: yes, no, can't do, or don't do. The exact wording for the ADLs is: walking across a room; dressing, including putting on socks and shoes; bathing or showering; eating, such as cutting up your food; getting in and out of bed; and using the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room? Yes or No."

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a cane, walker or railing when getting in or out of bed? Yes or No."

Unless the Respondent reports having no difficulty with an ADL, then s/he is asked:

"Does anyone ever help you [...]? Yes or No." The exact wording for each of the ADLs is: get across a room, dress, bathe, eat, get in or out of bed, and use the toilet.

From Wave 4 forward, the question organization and wording are the same as in Wave 3, with one exception. If the first basic ADL, dressing, showed no difficulty, and among the prior tasks at most one difficulty was reported, the rest of the basic ADLs of walking across a room, bathing, eating, getting in/out of bed, and using the toilet were skipped.

In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the ADLs except help with dressing and eating.

For HRS Respondents in Waves 1 and 2H, the information for the equipment and help questions is not available. For Wave 2H, R2WALKRE, R2BEDE, R2WALKRH, are set to .Q and only Wave 2A Respondents have non-missing values for these variables. Also not asked in Waves 1 and 2H are all the questions about using the toilet, so for Wave 2H, R2TOILT and R2TOILTH are set to .Q.

Exit Interview Variables

In Exit Interview Wave 2H, proxies are not asked questions about whether Respondents received help with ADLs; therefore, all RE[adl]H variables are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

HRS Variables Used

Core Interview Variables

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HRS 1992:
V304      B4A:RUN OR JOG 1 MIL:IMP
V305      B4B:WALK SEVERAL BLO:IMP
V306      B4C:WALK 1 BLOCK      :IMP
V307      B4D:WALK ACROSS A RO:IMP
V310      B4G:IN/OUT BED UNaid:IMP
V316      B4P:BATHE/SHOWR W/O  :IMP
V319      B4S:EAT W/O HELP      :IMP
V320      B4T:DRESS W/O HELP    :IMP
AHEAD 1993:
B768      E33. ADL WALK HELP EVER
B770      E33b. WALK USE EQUIPMENT
B773      E33e. WALK ANY DIFFICULTY
B779      E35. ADL DRESS HELP EVER
B781      E35b. DRESS ANY DIFFICULTY
B787      E37. ADL BATHE HELP EVER
B789      E37b. BATHE ANY DIFFICULTY
B795      E39. ADL EAT GET HELP EVER
B797      E39b. EAT DIFFICULTY
B803      E41. ADL IN/OUT BED HELP EVER
B808      E43. BED USE EQUIPMENT EVER
B811      E43c. BED ANY DIFFICULTY
B814      E44. ADL TOILET HELP EVER
B816      E44b. TOILET ANY DIFFICULTY
HRS 1994:
W306      B4.RUNNING/JOGGING 1 MIL
W307      B4a.WALKING SEVERAL BLOC
W308      B4b.WALKING ONE BLOCK
W309      B4c.WALKING ACROSS A ROO
W312      B4f.GETTING IN/OUT OF BE
W318      B4n.BATHING/SHOWERING WI
W321      B4r.EATING WITHOUT HELP
W322      B4s.DRESSING WITHOUT HEL
AHEAD 1995:
D1870     ADLCK.CKPT FOR SKIPPING ADL SERIES

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D1871	E72.WALK DIFF
D1874	E72C.WALK EQUIPMENT
D1877	E72F.ADL WALK HELP
D1884	E73.DRESS DIFF
D1887	E73F.ADL DRESS HELP
D1894	E74.BATHING DIFF
D1897	E74F.ADL BATHE HELP
D1904	E75.EAT DIFF
D1907	E75F.ADL EAT HELP
D1914	E76.BED DIFF
D1917	E76C.BED EQUIPMENT
D1920	E76F.ADL BED HELP
D1927	E77.TOILET DIFF
D1930	E77F.ADL TOILET HELP
HRS 1996:	
E1894	ADLCK.CKPT FOR SKIPPING ADL SERIES
E1895	E72.WALK DIFF
E1898	E72C.WALK EQUIPMENT
E1901	E72F.ADL WALK HELP
E1908	E73.DRESS DIFF
E1911	E73F.ADL DRESS HELP
E1918	E74.BATHING DIFF
E1921	E74F.ADL BATHE HELP
E1928	E75.EAT DIFF
E1931	E75F.ADL EAT HELP
E1938	E76.BED DIFF
E1941	E76C.BED EQUIPMENT
E1944	E76F.ADL BED HELP
E1951	E77.TOILET DIFF
E1954	E77F.ADL TOILET HELP
HRS 1998:	
F2421	E71.PICK DIME
F2425	E73F.DRESS DIFF
F2426	E73F.ADL DRESS HELP
F2427	E72.WALK DIFF
F2428	E72C.WALK EQUIPMENT
F2431	E72.ADL WALK HELP
F2444	E74.BATHING DIFF
F2447	E74F.ADL BATHE HELP
F2454	E75.EAT DIFF
F2457	E75F.ADL EAT HELP
F2464	E76.BED DIFF
F2467	E76C.BED EQUIPMENT
F2470	E76F.ADL BED HELP
F2477	E77.TOILET DIFF
F2480	E77F.ADL TOILET HELP
HRS 2000:	
G2719	E71.PICK DIME
G2723	E73Y1.DRESS DIFF
G2724	E73F.ADL DRESS HELP
G2725	E72.WALK DIFF
G2726	E72C.WALK EQUIPMENT
G2729	E72Y1.ADL WALK HELP
G2742	E74.BATHING DIFF
G2745	E74F.ADL BATHE HELP
G2752	E75.EAT DIFF
G2755	E75F.ADL EAT HELP
G2762	E76.BED DIFF
G2765	E76C.BED EQUIPMENT

G2768	E76F.ADL BED HELP
G2775	E77.TOILET DIFF
G2778	E77F.ADL TOILET HELP
HRS 2002-2016:	
xG012	DIFFICULTY- PICKING UP DIME
xG014	DIFFICULTY- DRESSING
xG015	HELP W/DRESS
xG016	DIFFICULTY WALKING
xG017	WALK EQUIPMENT
xG020	ADL WALK HELP
xG021	DIFFICULTY BATHING
xG022	ADL BATHE HELP
xG023	DIFFICULTY EATING
xG024	ADL EAT HELP
xG025	DIFFICULTY GET IN/OUT BED
xG026	BED EQUIPMENT
xG029	ADL BED HELP
xG030	DIFFICULTY USING TOILET
xG031	ADL TOILET HELP

Exit Interview Variables

AHEAD 1995:	
N1877	E72fx.ADL WALK HELP
N1887	E73fx.ADL DRESS HELP
N1897	E74fx.ADL BATHE HELP
N1907	E75fx.ADL EAT HELP
N1920	E76fx.ADL BED HELP
N1930	E77fx.ADL TOILET HELP
HRS 1996:	
P1415	E72fx.ADL WALK HELP
P1425	E73fx.ADL DRESS HELP
P1435	E74fx.ADL BATHE HELP
P1445	E75fx.ADL EAT HELP
P1458	E76fx.ADL BED HELP
P1468	E77fx.ADL TOILET HELP
HRS 1998:	
Q1852	E73fx.DRESS DIFF
Q1859	E72x.WALK DIFF
Q1881	E74x.BATHING DIFF
Q1896	E75x.EAT DIFF
Q1911	E76x.BED DIFF
Q1929	E77x.TOILET DIFF
HRS 2000:	
R1872	E73fx.DRESS DIFF
R1879	E72x.WALK DIFF
R1894	E74x.BATHING DIFF
R1909	E75x.EAT DIFF
R1924	E76x.BED DIFF
R1942	E77x.TOILET DIFF
HRS 2002-2016:	
xG015	HELP W/DRESS
xG020	ADL WALK HELP
xG022	ADL BATHE HELP
xG024	ADL EAT HELP
xG029	ADL BED HELP
xG031	ADL TOILET HELP

Activities of daily living (ADLs): Time Helped Before Death

Wave	Variable	Label	Type
E	REWALKRT	REWALKRT:EXIT Time R got help-Walk across room	Cont
E	REDRESST	REDRESST:EXIT Time R got help-Dressing	Cont
E	REBATHT	REBATHT:EXIT Time R got help-Bathing, showering	Cont
E	REEATT	REEATT:EXIT Time R got help-Eating	Cont
E	REBEDT	REBEDT:EXIT Time R got help-Get in/out bed	Cont
E	RETOILTT	RETOILTT:EXIT Time R got help-Using the toilet	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
REWALKRT	4205	12.77	41.07	0.0	1118.0
REDRESST	5205	13.54	38.81	0.0	1083.0
REBATHT	5660	14.45	33.30	0.0	1120.0
REEATT	3549	9.56	23.24	0.0	593.0
REBEDT	4533	9.44	26.56	0.0	1028.0
RETOILTT	4364	10.41	36.58	0.0	1188.0

How Constructed

These variables indicate the amount of time, in months, that the Respondent was helped with activities of daily living (ADLs) prior to death. The ADLs include time helped walking across a room (REWALKRT), dressing (REDRESST), bathing (REBATHT), eating (REEATT), getting in and out of bed (REBEDT), and using the toilet (RETOILTT).

Proxies are asked how long the Respondent needed help with an ADL if the Respondent received help for that ADL in their last three months of life, or if the Respondent couldn't do or didn't do that ADL.

Proxies who answer the amount of time question can answer in 4 different ways. Responses can be of the form (1) Number of Months Helped; (2) Number of Years Helped; (3) Age Received Help Since; (4) Year Received Help Since. The variables RE[adl]T are reported in number of months. If the proxy reports Number of Months, this value is used. If the proxy reports Number of Years, this value divided by 12 is used.

If the proxy reports "since age," the date started receiving help is calculated as the day the Respondent turned that age. If the proxy reports "since year," the date started receiving help is calculated as January 1 of that year. These dates are then compared to the death date of the Respondent.

Through this calculation, there were a small but non-trivial number of observations with negative number of months helped. This happened if, for example, the proxy was interviewed in 2010 and responded "He needed help since 2009" but the Respondent had died in October of 2008. Observations that would have a negative value given their Since Age or Since Year answers are instead set to .A.

If the proxy didn't report that the Respondent had difficulty with, didn't do or couldn't do the corresponding ADL, the ADL time question is skipped and the variable RE[adl]T is set to .S.

The questions about length of time needing help are not asked in Wave 2H. The variables RE[adl]T are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

Cross Wave Differences in Original HRS Data

In Wave 2H, proxies are not asked questions about length of time Respondents needed help with ADLs; therefore, RE[adl]T variables are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

HRS Variables Used

Exit Interview Variables

AHEAD 1995:

N1878	E72gx.WALK HELP WHEN
N1879	E72hx.WALK YEARS
N1880	E72hx.WALK SINCE AGE
N1881	E72hx.WALK SINCE YEAR
N1888	E73gx.DRESS HELP WHEN
N1889	E72hx.DRESS YEARS
N1890	E72hx.DRESS SINCE AGE
N1891	E72hx.DRESS SINCE YEAR
N1898	E74gx.WALK HELP WHEN
N1899	E74hx.BATHE YEARS
N1900	E74hx.BATHE SINCE AGE
N1901	E74hx.BATHE SINCE YEAR
N1908	E75gx.EAT HELP WHEN
N1909	E75hx.EAT YEARS
N1910	E75hx.EAT SINCE AGE
N1911	E75hx.EAT SINCE YEAR
N1921	E76gx.BED HELP WHEN
N1922	E76hx.BED YEARS
N1923	E76hx.BED SINCE AGE
N1924	E76hx.BED SINCE YEAR
N1931	E77gx.TOILET HELP WHEN
N1932	E77hx.TOILET YEARS
N1933	E77hx.TOILET SINCE AGE
N1934	E77hx.TOILET SINCE YEAR

HRS 1996:

P1416	E72gx.WALK HELP WHEN
P1417	E72hx.WALK YEARS
P1418	E72hx.WALK SINCE AGE
P1419	E72hx.WALK SINCE YEAR
P1426	E73gx.DRESS HELP WHEN
P1427	E72hx.DRESS YEARS
P1428	E72hx.DRESS SINCE AGE
P1429	E72hx.DRESS SINCE YEAR
P1436	E74gx.HOW LONG HELP BATH
P1437	E74hx.BATHE YEARS
P1438	E74hx.BATHE SINCE AGE
P1439	E74hx.BATHE SINCE YEAR
P1446	E75gx.EAT HELP WHEN
P1447	E75hx.EAT YEARS
P1448	E75hx.EAT SINCE AGE
P1449	E75hx.EAT SINCE YEAR
P1459	E76gx.BED HELP WHEN
P1460	E76hx.BED YEARS
P1461	E76hx.BED SINCE AGE
P1462	E76hx.BED SINCE YEAR
P1469	E77gx.TOILET HELP WHEN
P1470	E77hx.TOILET YEARS
P1471	E77hx.TOILET SINCE AGE

P1472	E77hx.TOILET SINCE YEAR
HRS 1998:	
Q1853	E73gx.DRESS HELP WHEN
Q1854	E73gx.DRESS YEARS
Q1855	E73gx.DRESS SINCE AGE
Q1856	E73gx.DRESS SINCE YEAR
Q1863	E72fx.WALKING HELP WHEN
Q1864	E72fx.WALKING YEARS
Q1865	E72fx.WALKING SINCE AGE
Q1866	E72fx.WALKING SINCE YEAR
Q1882	E74fx.BATHING HELP WHEN
Q1883	E74fx.BATHING YEARS
Q1884	E74fx.BATHING SINCE AGE
Q1885	E74fx.BATHING SINCE YEAR
Q1897	E75fx.EAT HELP WHEN
Q1898	E75fx.EAT YEARS
Q1899	E75fx.EAT SINCE AGE
Q1900	E75fx.EAT SINCE YEAR
Q1917	E76fx.BED HELP WHEN
Q1918	E76fx.BED YEARS
Q1919	E76fx.BED SINCE AGE
Q1920	E76fx.BED SINCE YEAR
Q1930	E77fx.TOILET HELP WHEN
Q1931	E77fx.TOILET YEARS
Q1932	E77fx.TOILET SINCE AGE
Q1933	E77fx.TOILET SINCE YEAR
HRS 2000:	
R1873	E73gx.DRESS HELP WHEN
R1874	E73gax.DRESS YEARS
R1875	E73gbx.DRESS SINCE AGE
R1876	E73gcx.DRESS SINCE YEAR
R1883	E72fx.WALKING HELP WHEN
R1884	E72fax.WALKING YEARS
R1885	E72fbx.WALKING SINCE AGE
R1886	E72fcx.WALKING SINCE YEAR
R1895	E74fx.BATHING HELP WHEN
R1896	E74fax.BATHING YEARS
R1897	E74fbx.BATHING SINCE AGE
R1898	E74fcx.BATHING SINCE YEAR
R1910	E75fx.EAT HELP WHEN
R1911	E75fax.EAT YEARS
R1912	E75fbx.EAT SINCE AGE
R1913	E75fcx.EAT SINCE YEAR
R1930	E76fx.BED HELP WHEN
R1931	E76fax.BED YEARS
R1932	E76fbx.BED SINCE AGE
R1933	E76fcx.BED SINCE YEAR
R1943	E77fx.TOILET HELP WHEN
R1944	E77fax.TOILET YEARS
R1945	E77fbx.TOILET SINCE AGE
R1946	E77fcx.TOILET SINCE YEAR
HRS 2002-2016:	
xG130	HELP DRESSING- MONTHS
xG131	HELP DRESSING- YEARS
xG132	HELP DRESSING- SINCE AGE
xG133	HELP DRESSING- SINCE YEAR
xG134	HELP WALKING- MONTHS
xG135	HELP WALKING- YEARS
xG136	HELP WALKING- SINCE AGE

xG137	HELP WALKING- SINCE YEAR
xG138	HELP BATHING- MONTHS
xG139	HELP BATHING- YEARS
xG140	HELP BATHING- SINCE AGE
xG141	HELP BATHING- SINCE YEAR
xG142	HELP EATING- MONTHS
xG143	HELP EATING- YEARS
xG144	HELP EATING- SINCE AGE
xG145	HELP IN/OUT BED- MONTHS
xG146	HELP IN/OUT BED- YEARS
xG147	HELP IN/OUT BED- SINCE AGE
xG148	HELP IN/OUT BED- SINCE YEAR
xG149	HELP USING TOILET- MONTHS
xG150	HELP USING TOILET- YEARS
xG151	HELP USING TOILET- SINCE AGE
xG152	HELP USING TOILET- SINCE YEAR
xG170	HELP EATING- SINCE YEAR

Activities of daily living (ADLs): Some difficulty

Wave	Variable	Label	Type
2	R2WALKRA	R2WALKRA:W2 R Some Diff-Walk across room	Categ
3	R3WALKRA	R3WALKRA:W3 R Some Diff-Walk across room	Categ
4	R4WALKRA	R4WALKRA:W4 R Some Diff-Walk across room	Categ
5	R5WALKRA	R5WALKRA:W5 R Some Diff-Walk across room	Categ
6	R6WALKRA	R6WALKRA:W6 R Some Diff-Walk across room	Categ
7	R7WALKRA	R7WALKRA:W7 R Some Diff-Walk across room	Categ
8	R8WALKRA	R8WALKRA:W8 R Some Diff-Walk across room	Categ
9	R9WALKRA	R9WALKRA:W9 R Some Diff-Walk across room	Categ
10	R10WALKRA	R10WALKRA:W10 R Some Diff-Walk across room	Categ
11	R11WALKRA	R11WALKRA:W11 R Some Diff-Walk across room	Categ
12	R12WALKRA	R12WALKRA:W12 R Some Diff-Walk across room	Categ
13	R13WALKRA	R13WALKRA:W13 R Some Diff-Walk across room	Categ
2	S2WALKRA	S2WALKRA:W2 S Some Diff-Walk across room	Categ
3	S3WALKRA	S3WALKRA:W3 S Some Diff-Walk across room	Categ
4	S4WALKRA	S4WALKRA:W4 S Some Diff-Walk across room	Categ
5	S5WALKRA	S5WALKRA:W5 S Some Diff-Walk across room	Categ
6	S6WALKRA	S6WALKRA:W6 S Some Diff-Walk across room	Categ
7	S7WALKRA	S7WALKRA:W7 S Some Diff-Walk across room	Categ
8	S8WALKRA	S8WALKRA:W8 S Some Diff-Walk across room	Categ
9	S9WALKRA	S9WALKRA:W9 S Some Diff-Walk across room	Categ
10	S10WALKRA	S10WALKRA:W10 S Some Diff-Walk across room	Categ
11	S11WALKRA	S11WALKRA:W11 S Some Diff-Walk across room	Categ
12	S12WALKRA	S12WALKRA:W12 S Some Diff-Walk across room	Categ
13	S13WALKRA	S13WALKRA:W13 S Some Diff-Walk across room	Categ
2	R2DRESSA	R2DRESSA:W2 R Some Diff-Dressing	Categ
3	R3DRESSA	R3DRESSA:W3 R Some Diff-Dressing	Categ
4	R4DRESSA	R4DRESSA:W4 R Some Diff-Dressing	Categ
5	R5DRESSA	R5DRESSA:W5 R Some Diff-Dressing	Categ
6	R6DRESSA	R6DRESSA:W6 R Some Diff-Dressing	Categ
7	R7DRESSA	R7DRESSA:W7 R Some Diff-Dressing	Categ
8	R8DRESSA	R8DRESSA:W8 R Some Diff-Dressing	Categ
9	R9DRESSA	R9DRESSA:W9 R Some Diff-Dressing	Categ
10	R10DRESSA	R10DRESSA:W10 R Some Diff-Dressing	Categ
11	R11DRESSA	R11DRESSA:W11 R Some Diff-Dressing	Categ
12	R12DRESSA	R12DRESSA:W12 R Some Diff-Dressing	Categ
13	R13DRESSA	R13DRESSA:W13 R Some Diff-Dressing	Categ
2	S2DRESSA	S2DRESSA:W2 S Some Diff-Dressing	Categ
3	S3DRESSA	S3DRESSA:W3 S Some Diff-Dressing	Categ
4	S4DRESSA	S4DRESSA:W4 S Some Diff-Dressing	Categ
5	S5DRESSA	S5DRESSA:W5 S Some Diff-Dressing	Categ
6	S6DRESSA	S6DRESSA:W6 S Some Diff-Dressing	Categ
7	S7DRESSA	S7DRESSA:W7 S Some Diff-Dressing	Categ
8	S8DRESSA	S8DRESSA:W8 S Some Diff-Dressing	Categ
9	S9DRESSA	S9DRESSA:W9 S Some Diff-Dressing	Categ
10	S10DRESSA	S10DRESSA:W10 S Some Diff-Dressing	Categ
11	S11DRESSA	S11DRESSA:W11 S Some Diff-Dressing	Categ
12	S12DRESSA	S12DRESSA:W12 S Some Diff-Dressing	Categ
13	S13DRESSA	S13DRESSA:W13 S Some Diff-Dressing	Categ
2	R2BATHA	R2BATHA:W2 R Some Diff-Bathing, shower	Categ
3	R3BATHA	R3BATHA:W3 R Some Diff-Bathing, shower	Categ
4	R4BATHA	R4BATHA:W4 R Some Diff-Bathing, shower	Categ
5	R5BATHA	R5BATHA:W5 R Some Diff-Bathing, shower	Categ
6	R6BATHA	R6BATHA:W6 R Some Diff-Bathing, shower	Categ
7	R7BATHA	R7BATHA:W7 R Some Diff-Bathing, shower	Categ
8	R8BATHA	R8BATHA:W8 R Some Diff-Bathing, shower	Categ
9	R9BATHA	R9BATHA:W9 R Some Diff-Bathing, shower	Categ
10	R10BATHA	R10BATHA:W10 R Some Diff-Bathing, shower	Categ
11	R11BATHA	R11BATHA:W11 R Some Diff-Bathing, shower	Categ
12	R12BATHA	R12BATHA:W12 R Some Diff-Bathing, shower	Categ
13	R13BATHA	R13BATHA:W13 R Some Diff-Bathing, shower	Categ
2	S2BATHA	S2BATHA:W2 S Some Diff-Bathing, shower	Categ

3	S3BATHA	S3BATHA:W3 S Some Diff-Bathing, shower	Categ
4	S4BATHA	S4BATHA:W4 S Some Diff-Bathing, shower	Categ
5	S5BATHA	S5BATHA:W5 S Some Diff-Bathing, shower	Categ
6	S6BATHA	S6BATHA:W6 S Some Diff-Bathing, shower	Categ
7	S7BATHA	S7BATHA:W7 S Some Diff-Bathing, shower	Categ
8	S8BATHA	S8BATHA:W8 S Some Diff-Bathing, shower	Categ
9	S9BATHA	S9BATHA:W9 S Some Diff-Bathing, shower	Categ
10	S10BATHA	S10BATHA:W10 S Some Diff-Bathing, shower	Categ
11	S11BATHA	S11BATHA:W11 S Some Diff-Bathing, shower	Categ
12	S12BATHA	S12BATHA:W12 S Some Diff-Bathing, shower	Categ
13	S13BATHA	S13BATHA:W13 S Some Diff-Bathing, shower	Categ
2	R2EATA	R2EATA:W2 R Some Diff-Eating	Categ
3	R3EATA	R3EATA:W3 R Some Diff-Eating	Categ
4	R4EATA	R4EATA:W4 R Some Diff-Eating	Categ
5	R5EATA	R5EATA:W5 R Some Diff-Eating	Categ
6	R6EATA	R6EATA:W6 R Some Diff-Eating	Categ
7	R7EATA	R7EATA:W7 R Some Diff-Eating	Categ
8	R8EATA	R8EATA:W8 R Some Diff-Eating	Categ
9	R9EATA	R9EATA:W9 R Some Diff-Eating	Categ
10	R10EATA	R10EATA:W10 R Some Diff-Eating	Categ
11	R11EATA	R11EATA:W11 R Some Diff-Eating	Categ
12	R12EATA	R12EATA:W12 R Some Diff-Eating	Categ
13	R13EATA	R13EATA:W13 R Some Diff-Eating	Categ
2	S2EATA	S2EATA:W2 S Some Diff-Eating	Categ
3	S3EATA	S3EATA:W3 S Some Diff-Eating	Categ
4	S4EATA	S4EATA:W4 S Some Diff-Eating	Categ
5	S5EATA	S5EATA:W5 S Some Diff-Eating	Categ
6	S6EATA	S6EATA:W6 S Some Diff-Eating	Categ
7	S7EATA	S7EATA:W7 S Some Diff-Eating	Categ
8	S8EATA	S8EATA:W8 S Some Diff-Eating	Categ
9	S9EATA	S9EATA:W9 S Some Diff-Eating	Categ
10	S10EATA	S10EATA:W10 S Some Diff-Eating	Categ
11	S11EATA	S11EATA:W11 S Some Diff-Eating	Categ
12	S12EATA	S12EATA:W12 S Some Diff-Eating	Categ
13	S13EATA	S13EATA:W13 S Some Diff-Eating	Categ
2	R2BEDA	R2BEDA:W2 R Some Diff-Get in/out bed	Categ
3	R3BEDA	R3BEDA:W3 R Some Diff-Get in/out bed	Categ
4	R4BEDA	R4BEDA:W4 R Some Diff-Get in/out bed	Categ
5	R5BEDA	R5BEDA:W5 R Some Diff-Get in/out bed	Categ
6	R6BEDA	R6BEDA:W6 R Some Diff-Get in/out bed	Categ
7	R7BEDA	R7BEDA:W7 R Some Diff-Get in/out bed	Categ
8	R8BEDA	R8BEDA:W8 R Some Diff-Get in/out bed	Categ
9	R9BEDA	R9BEDA:W9 R Some Diff-Get in/out bed	Categ
10	R10BEDA	R10BEDA:W10 R Some Diff-Get in/out bed	Categ
11	R11BEDA	R11BEDA:W11 R Some Diff-Get in/out bed	Categ
12	R12BEDA	R12BEDA:W12 R Some Diff-Get in/out bed	Categ
13	R13BEDA	R13BEDA:W13 R Some Diff-Get in/out bed	Categ
2	S2BEDA	S2BEDA:W2 S Some Diff-Get in/out bed	Categ
3	S3BEDA	S3BEDA:W3 S Some Diff-Get in/out bed	Categ
4	S4BEDA	S4BEDA:W4 S Some Diff-Get in/out bed	Categ
5	S5BEDA	S5BEDA:W5 S Some Diff-Get in/out bed	Categ
6	S6BEDA	S6BEDA:W6 S Some Diff-Get in/out bed	Categ
7	S7BEDA	S7BEDA:W7 S Some Diff-Get in/out bed	Categ
8	S8BEDA	S8BEDA:W8 S Some Diff-Get in/out bed	Categ
9	S9BEDA	S9BEDA:W9 S Some Diff-Get in/out bed	Categ
10	S10BEDA	S10BEDA:W10 S Some Diff-Get in/out bed	Categ
11	S11BEDA	S11BEDA:W11 S Some Diff-Get in/out bed	Categ
12	S12BEDA	S12BEDA:W12 S Some Diff-Get in/out bed	Categ
13	S13BEDA	S13BEDA:W13 S Some Diff-Get in/out bed	Categ
2	R2TOILTA	R2TOILTA:W2 R Some Diff-Using the toilet	Categ
3	R3TOILTA	R3TOILTA:W3 R Some Diff-Using the toilet	Categ
4	R4TOILTA	R4TOILTA:W4 R Some Diff-Using the toilet	Categ
5	R5TOILTA	R5TOILTA:W5 R Some Diff-Using the toilet	Categ
6	R6TOILTA	R6TOILTA:W6 R Some Diff-Using the toilet	Categ
7	R7TOILTA	R7TOILTA:W7 R Some Diff-Using the toilet	Categ
8	R8TOILTA	R8TOILTA:W8 R Some Diff-Using the toilet	Categ
9	R9TOILTA	R9TOILTA:W9 R Some Diff-Using the toilet	Categ

10	R10TOILTA	R10TOILTA:W10	R Some Diff-Using the toilet	Categ
11	R11TOILTA	R11TOILTA:W11	R Some Diff-Using the toilet	Categ
12	R12TOILTA	R12TOILTA:W12	R Some Diff-Using the toilet	Categ
13	R13TOILTA	R13TOILTA:W13	R Some Diff-Using the toilet	Categ
2	S2TOILTA	S2TOILTA:W2	S Some Diff-Using the toilet	Categ
3	S3TOILTA	S3TOILTA:W3	S Some Diff-Using the toilet	Categ
4	S4TOILTA	S4TOILTA:W4	S Some Diff-Using the toilet	Categ
5	S5TOILTA	S5TOILTA:W5	S Some Diff-Using the toilet	Categ
6	S6TOILTA	S6TOILTA:W6	S Some Diff-Using the toilet	Categ
7	S7TOILTA	S7TOILTA:W7	S Some Diff-Using the toilet	Categ
8	S8TOILTA	S8TOILTA:W8	S Some Diff-Using the toilet	Categ
9	S9TOILTA	S9TOILTA:W9	S Some Diff-Using the toilet	Categ
10	S10TOILTA	S10TOILTA:W10	S Some Diff-Using the toilet	Categ
11	S11TOILTA	S11TOILTA:W11	S Some Diff-Using the toilet	Categ
12	S12TOILTA	S12TOILTA:W12	S Some Diff-Using the toilet	Categ
13	S13TOILTA	S13TOILTA:W13	S Some Diff-Using the toilet	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WALKRA	19266	0.07	0.25	0.0	1.0
R3WALKRA	17933	0.07	0.26	0.0	1.0
R4WALKRA	21341	0.07	0.26	0.0	1.0
R5WALKRA	19531	0.08	0.27	0.0	1.0
R6WALKRA	18143	0.08	0.28	0.0	1.0
R7WALKRA	20103	0.08	0.27	0.0	1.0
R8WALKRA	18445	0.08	0.28	0.0	1.0
R9WALKRA	17193	0.09	0.28	0.0	1.0
R10WALKRA	21890	0.08	0.27	0.0	1.0
R11WALKRA	20525	0.08	0.27	0.0	1.0
R12WALKRA	18714	0.09	0.28	0.0	1.0
R13WALKRA	20862	0.08	0.27	0.0	1.0
S2WALKRA	12808	0.05	0.21	0.0	1.0
S3WALKRA	11894	0.05	0.22	0.0	1.0
S4WALKRA	13967	0.05	0.21	0.0	1.0
S5WALKRA	12720	0.05	0.22	0.0	1.0
S6WALKRA	11632	0.05	0.23	0.0	1.0
S7WALKRA	12966	0.05	0.22	0.0	1.0
S8WALKRA	11732	0.05	0.23	0.0	1.0
S9WALKRA	10639	0.05	0.22	0.0	1.0
S10WALKRA	13429	0.05	0.22	0.0	1.0
S11WALKRA	12479	0.06	0.23	0.0	1.0
S12WALKRA	11006	0.06	0.23	0.0	1.0
S13WALKRA	11767	0.05	0.23	0.0	1.0
R2DRESSA	19628	0.05	0.23	0.0	1.0
R3DRESSA	17938	0.10	0.31	0.0	1.0
R4DRESSA	21352	0.10	0.30	0.0	1.0
R5DRESSA	19550	0.11	0.31	0.0	1.0
R6DRESSA	18152	0.11	0.31	0.0	1.0
R7DRESSA	20114	0.10	0.30	0.0	1.0
R8DRESSA	18453	0.11	0.31	0.0	1.0
R9DRESSA	17204	0.11	0.32	0.0	1.0
R10DRESSA	21897	0.12	0.32	0.0	1.0
R11DRESSA	20523	0.11	0.32	0.0	1.0
R12DRESSA	18722	0.12	0.33	0.0	1.0
R13DRESSA	20867	0.12	0.32	0.0	1.0

S2DRESSA	13081	0.04	0.19	0.0	1.0
S3DRESSA	11898	0.08	0.27	0.0	1.0
S4DRESSA	13970	0.08	0.27	0.0	1.0
S5DRESSA	12722	0.08	0.28	0.0	1.0
S6DRESSA	11635	0.08	0.27	0.0	1.0
S7DRESSA	12970	0.08	0.26	0.0	1.0
S8DRESSA	11732	0.09	0.28	0.0	1.0
S9DRESSA	10643	0.08	0.28	0.0	1.0
S10DRESSA	13434	0.09	0.29	0.0	1.0
S11DRESSA	12480	0.09	0.28	0.0	1.0
S12DRESSA	11006	0.10	0.29	0.0	1.0
S13DRESSA	11771	0.09	0.29	0.0	1.0
R2BATHA	19627	0.05	0.22	0.0	1.0
R3BATHA	17930	0.08	0.27	0.0	1.0
R4BATHA	21350	0.08	0.27	0.0	1.0
R5BATHA	19545	0.08	0.27	0.0	1.0
R6BATHA	18151	0.09	0.28	0.0	1.0
R7BATHA	20107	0.08	0.27	0.0	1.0
R8BATHA	18451	0.08	0.28	0.0	1.0
R9BATHA	17202	0.09	0.28	0.0	1.0
R10BATHA	21895	0.09	0.28	0.0	1.0
R11BATHA	20524	0.09	0.28	0.0	1.0
R12BATHA	18723	0.09	0.29	0.0	1.0
R13BATHA	20871	0.08	0.28	0.0	1.0
S2BATHA	13083	0.03	0.18	0.0	1.0
S3BATHA	11899	0.05	0.21	0.0	1.0
S4BATHA	13972	0.05	0.22	0.0	1.0
S5BATHA	12723	0.05	0.22	0.0	1.0
S6BATHA	11635	0.05	0.22	0.0	1.0
S7BATHA	12968	0.05	0.21	0.0	1.0
S8BATHA	11732	0.05	0.22	0.0	1.0
S9BATHA	10642	0.05	0.22	0.0	1.0
S10BATHA	13431	0.05	0.22	0.0	1.0
S11BATHA	12480	0.05	0.23	0.0	1.0
S12BATHA	11006	0.06	0.23	0.0	1.0
S13BATHA	11770	0.05	0.22	0.0	1.0
R2EATA	19635	0.01	0.11	0.0	1.0
R3EATA	17943	0.04	0.19	0.0	1.0
R4EATA	21345	0.04	0.19	0.0	1.0
R5EATA	19547	0.04	0.19	0.0	1.0
R6EATA	18144	0.04	0.20	0.0	1.0
R7EATA	20098	0.04	0.19	0.0	1.0
R8EATA	18445	0.04	0.20	0.0	1.0
R9EATA	17197	0.04	0.20	0.0	1.0
R10EATA	21881	0.04	0.20	0.0	1.0
R11EATA	20519	0.04	0.21	0.0	1.0
R12EATA	18713	0.05	0.21	0.0	1.0
R13EATA	20861	0.04	0.20	0.0	1.0
S2EATA	13084	0.01	0.08	0.0	1.0
S3EATA	11901	0.03	0.16	0.0	1.0
S4EATA	13968	0.03	0.16	0.0	1.0
S5EATA	12722	0.02	0.15	0.0	1.0
S6EATA	11631	0.02	0.15	0.0	1.0
S7EATA	12968	0.02	0.15	0.0	1.0

S8EATA	11730	0.03	0.16	0.0	1.0
S9EATA	10640	0.02	0.15	0.0	1.0
S10EATA	13427	0.03	0.16	0.0	1.0
S11EATA	12479	0.03	0.17	0.0	1.0
S12EATA	11005	0.03	0.17	0.0	1.0
S13EATA	11764	0.03	0.16	0.0	1.0
R2BEDA	19621	0.05	0.22	0.0	1.0
R3BEDA	17942	0.07	0.26	0.0	1.0
R4BEDA	21344	0.07	0.26	0.0	1.0
R5BEDA	19546	0.07	0.26	0.0	1.0
R6BEDA	18137	0.07	0.26	0.0	1.0
R7BEDA	20104	0.07	0.25	0.0	1.0
R8BEDA	18445	0.07	0.26	0.0	1.0
R9BEDA	17193	0.07	0.26	0.0	1.0
R10BEDA	21883	0.08	0.27	0.0	1.0
R11BEDA	20510	0.08	0.27	0.0	1.0
R12BEDA	18707	0.08	0.27	0.0	1.0
R13BEDA	20850	0.08	0.27	0.0	1.0
S2BEDA	13074	0.04	0.19	0.0	1.0
S3BEDA	11901	0.05	0.23	0.0	1.0
S4BEDA	13968	0.05	0.22	0.0	1.0
S5BEDA	12723	0.05	0.22	0.0	1.0
S6BEDA	11631	0.05	0.22	0.0	1.0
S7BEDA	12964	0.05	0.21	0.0	1.0
S8BEDA	11725	0.06	0.23	0.0	1.0
S9BEDA	10639	0.05	0.22	0.0	1.0
S10BEDA	13429	0.06	0.24	0.0	1.0
S11BEDA	12475	0.06	0.24	0.0	1.0
S12BEDA	11000	0.06	0.24	0.0	1.0
S13BEDA	11766	0.06	0.23	0.0	1.0
R2TOILTA	8218	0.04	0.19	0.0	1.0
R3TOILTA	17937	0.06	0.23	0.0	1.0
R4TOILTA	21334	0.06	0.24	0.0	1.0
R5TOILTA	19532	0.06	0.24	0.0	1.0
R6TOILTA	18128	0.06	0.25	0.0	1.0
R7TOILTA	20083	0.06	0.24	0.0	1.0
R8TOILTA	18428	0.07	0.26	0.0	1.0
R9TOILTA	17176	0.07	0.25	0.0	1.0
R10TOILTA	21866	0.07	0.25	0.0	1.0
R11TOILTA	20509	0.07	0.26	0.0	1.0
R12TOILTA	18695	0.07	0.26	0.0	1.0
R13TOILTA	20851	0.07	0.25	0.0	1.0
S2TOILTA	4347	0.02	0.15	0.0	1.0
S3TOILTA	11899	0.04	0.19	0.0	1.0
S4TOILTA	13963	0.04	0.20	0.0	1.0
S5TOILTA	12719	0.04	0.21	0.0	1.0
S6TOILTA	11627	0.04	0.20	0.0	1.0
S7TOILTA	12958	0.04	0.19	0.0	1.0
S8TOILTA	11722	0.05	0.21	0.0	1.0
S9TOILTA	10638	0.04	0.20	0.0	1.0
S10TOILTA	13421	0.05	0.21	0.0	1.0
S11TOILTA	12471	0.05	0.21	0.0	1.0
S12TOILTA	11001	0.05	0.22	0.0	1.0
S13TOILTA	11765	0.04	0.21	0.0	1.0

Categorical Variable Codes

RwWALKRA: R Some Diff-Walk across room

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		353	2	1	3		1	1	1	3
.M=Oth missing		1								
.R=RF		1	2		3		1	2	1	1
.S=Skip			36	28	23	7	10	7	9	131
.X=Don't do		21	18	14	18	15	14	14	13	9
0.No		17954	16607	19789	18021	16630	18562	16922	15719	20113
1.Yes		1312	1326	1552	1510	1513	1541	1523	1474	1777

Value	w11	w12	w13
.D=DK/NA	6	9	6
.M=Oth missing			
.R=RF	2	1	1
.S=Skip	18	16	36
.X=Don't do	3	7	7
0.No	18845	17093	19174
1.Yes	1680	1621	1688

SwWALKRA: S Some Diff-Walk across room

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		268		1	1		1			1
.M=Oth missing		1								
.R=RF		1	1		2		1			
.S=Skip			11	7	5	3	1	1	2	79
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
.X=Don't do		12	11	5	2	4	3	2	5	4
0.No		12216	11311	13329	12070	11000	12326	11100	10090	12716
1.Yes		592	583	638	650	632	640	632	549	713

Value	w11	w12	w13
.D=DK/NA	4	3	3
.M=Oth missing			
.R=RF			
.S=Skip	4	3	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	1		2
0.No	11787	10381	11131
1.Yes	692	625	636

RwDRESSA: R Some Diff-Dressing

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		2	2		3	4	3	5		2
.M=Oth missing		1	1							
.R=RF			1		1		1	2		1
.S=Skip			36	28	23	7	10	7	9	131
.X=Don't do		11	13	4	1	2	1	2	4	3
0.No		18574	16068	19160	17458	16216	18104	16398	15269	19328
1.Yes		1054	1870	2192	2092	1936	2010	2055	1935	2569

Value	w11	w12	w13
.D=DK/NA	9	7	7
.M=Oth missing			
.R=RF	2	2	1
.S=Skip	18	16	36
.X=Don't do	2		1
0.No	18212	16411	18448
1.Yes	2311	2311	2419

SwDRESSA: S Some Diff-Dressing

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					1	1		1		
.M=Oth missing		1								
.R=RF			1		1		1			
.S=Skip			11	7	5	3	1	1	2	79
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
.X=Don't do		8	7	3	1			1	1	
0.No		12604	10950	12856	11662	10705	11991	10719	9762	12209
1.Yes		477	948	1114	1060	930	979	1013	881	1225

Value	w11	w12	w13
.D=DK/NA	4	3	1
.M=Oth missing			
.R=RF			
.S=Skip	4	3	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do			
0.No	11419	9955	10718
1.Yes	1061	1051	1053

RwBATHA: R Some Diff-Bathing, shower

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		6	3	3	4	1	4	2	1	4
.M=Oth missing	|		1	1							
.R=RF	|			1				2	2		1
.S=Skip	|			36	28	23	7	10	7	9	131
.X=Don't do	|		8	20	3	6	6	6	7	5	3
0.No	|		18642	16562	19595	17935	16608	18514	16929	15711	20028
1.Yes	|		985	1368	1755	1610	1543	1593	1522	1491	1867

Value		w11	w12	w13
.D=DK/NA	|	7	6	4
.M=Oth missing	|			
.R=RF	|	2		
.S=Skip	|	18	16	36
.X=Don't do	|	3	2	1
0.No	|	18736	16998	19134
1.Yes	|	1788	1725	1737

SwBATHA: S Some Diff-Bathing, shower

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3		1	1			1		1
.M=Oth missing	|		1								
.R=RF	|			1				2			
.S=Skip	|			11	7	5	3	1	1	2	79
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
.X=Don't do	|		3	6		1	1	1	1	2	2
0.No	|		12652	11337	13244	12087	11048	12352	11141	10107	12716
1.Yes	|		431	562	728	636	587	616	591	535	715

Value		w11	w12	w13
.D=DK/NA	|	2	3	2
.M=Oth missing	|			
.R=RF	|	1		
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	1		
0.No	|	11802	10373	11158
1.Yes	|	678	633	612

RwEATA: R Some Diff-Eating

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		1	2	2	1	3	8	2	2	5
.M=Oth missing	|		1								
.R=RF	|		1	1					3		1
.S=Skip	|			36	28	23	7	10	7	9	131
.X=Don't do	|		4	9	9	7	11	13	12	9	16
0.No	|		19410	17260	20529	18804	17405	19340	17662	16483	20941
1.Yes	|		225	683	816	743	739	758	783	714	940

Value		w11	w12	w13
.D=DK/NA	|	1	6	2
.M=Oth missing	|			
.R=RF	|	1	2	2
.S=Skip	|	18	16	36
.X=Don't do	|	15	10	11
0.No	|	19617	17842	20021
1.Yes	|	902	871	840

SwEATA: S Some Diff-Eating

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		1		2		2			1	2
.M=Oth missing	|		1								
.R=RF	|		1	1					1		
.S=Skip	|			11	7	5	3	1	1	2	79
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
.X=Don't do	|		3	4	3	3	3	3	3	3	5
0.No	|		12991	11598	13610	12413	11346	12670	11414	10388	13057
1.Yes	|		93	303	358	309	285	298	316	252	370

Value		w11	w12	w13
.D=DK/NA	|	1	2	2
.M=Oth missing	|			
.R=RF	|		1	
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	4	1	6
0.No	|	12104	10667	11450
1.Yes	|	375	338	314

RwBEDA: R Some Diff-Get in/out bed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		7	3	4	4	2	2	3	2	6
.M=Oth missing	|		1								
.R=RF	|		2	1					3		1
.S=Skip	|			36	28	23	7	10	7	9	131
.X=Don't do	|		11	9	8	5	19	13	11	13	13
0.No	|		18622	16599	19783	18150	16840	18773	17080	15949	20149
1.Yes	|		999	1343	1561	1396	1297	1331	1365	1244	1734

Value		w11	w12	w13
.D=DK/NA	|	9	11	10
.M=Oth missing	|			
.R=RF	|	2	1	2
.S=Skip	|	18	16	36
.X=Don't do	|	15	12	14
0.No	|	18871	17169	19171
1.Yes	|	1639	1538	1679

SwBEDA: S Some Diff-Get in/out bed

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4		2	1	1		1		1
.M=Oth missing	|		1								
.R=RF	|		2	1					1		
.S=Skip	|			11	7	5	3	1	1	2	79
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
.X=Don't do	|		9	4	3	1	4	7	7	5	4
0.No	|		12559	11260	13222	12057	11053	12366	11072	10122	12641
1.Yes	|		515	641	746	666	578	598	653	517	788

Value		w11	w12	w13
.D=DK/NA	|	4	5	3
.M=Oth missing	|			
.R=RF	|	1		
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	4	4	3
0.No	|	11728	10336	11088
1.Yes	|	747	664	678

RwTOILTA: R Some Diff-Using the toilet

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		2	2	6	7	5	4	2	3	13
.M=Oth missing		1								
.Q=Not asked this wv		11420								
.R=RF		1	1			1	1	4		2
.S=Skip			36	28	23	7	10	7	9	131
.X=Don't do			15	15	16	24	31	28	29	22
0.No		7925	16886	20015	18300	16962	18890	17115	16005	20351
1.Yes		293	1051	1319	1232	1166	1193	1313	1171	1515

Value	w11	w12	w13
.D=DK/NA	3	12	7
.M=Oth missing			
.Q=Not asked this wv			
.R=RF	2	1	1
.S=Skip	18	16	36
.X=Don't do	22	23	17
0.No	19070	17324	19474
1.Yes	1439	1371	1377

SwTOILTA: S Some Diff-Using the toilet

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1		2		3	1	1		4
.M=Oth missing		1								
.Q=Not asked this wv		9125								
.R=RF			1	1		1	1	2		1
.S=Skip			11	7	5	3	1	1	2	79
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=Don't do			6	7	6	5	11	9	6	8
0.No		4243	11444	13360	12154	11150	12462	11167	10174	12817
1.Yes		104	455	603	565	477	496	555	464	604

Value	w11	w12	w13
.D=DK/NA	1	2	2
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			
.S=Skip	4	3	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	12	6	5
0.No	11893	10455	11236
1.Yes	578	546	529

How Constructed

These variables recode raw data about difficulty with activities of daily living (ADLs) as yes/no dummy variables, where "1" means some difficulty and "0" means not. The ADLs include walking across a room (RwWALKRA), dressing (RwDRESSA), bathing (RwBATHA), eating (RwEATA), getting in and out of bed (RwBEDA), and using the toilet (RwTOILTA). In the following, references to Rw[adl]A apply to all these variables. Note that questions about using the toilet were not asked in Wave 2H. For HRS Respondents

in Wave 2H, R2TOILTA is set to .Q (question not asked).

We attempt to make consistent variables across waves. Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. In addition the criteria used for skipping some questions changed between Wave 3 and later waves, which may also influence the consistency of measurement before Wave 4 for all ADLs except dressing.

The variable derivations for some difficulty with ADLs(Rw[adl]A) vary across waves because the question and responses can vary across waves. In Wave 2, if a Respondent answers "yes" to the first question ("Do you have any difficulty with ...") Rw[adl]A is set to "1" for "some difficulty," regardless of how much difficulty the Respondent says s/he has in the follow-up question. From Wave 3 forward, if a Respondent answers "yes" or "can't do" to the "any difficulty" question, Rw[adl]A is set to "1" for "some difficulty."

In all waves, if the Respondent answers "no" to the any difficulty question, Rw[adl]A is set to zero. A "don't do" response is recoded to missing value .X, since the Respondent hasn't revealed whether s/he would have difficulty with the activity if s/he ever did it. If the response is "don't know" or "refuse," Rw[adl]A is set to special missing codes .D or .R, respectively.

In some waves, questions about activities are skipped based on answers to previous questions. In Wave 2H, if a Respondent said no difficulty jogging a mile, walking several blocks, or walking one block, the question about walking across a room is skipped. In these cases, R2WALKRA is set to "0" for "no difficulty." This does not apply to Wave 2A.

From Wave 3 forward, ADL questions are skipped if no difficulty was reported with any of the tasks asked about earlier. In these cases, Rw[adl]A is set to "no difficulty." From Wave 4 forward, if difficulty with only one prior task and no difficulty with dressing was reported, the questions about the rest of the ADLs are skipped. In these cases, the rest of the Rw[adl]A variables are also set to "no difficulty." The assumption is that, since the Respondent had no difficulty with the earlier activities, s/he would also have reported no difficulty to the activities in the skipped questions.

In Wave 2A and from Wave 3 forward, there are questions about getting help with all ADLs. For waves when the help question is asked, we set Rw[adl]A to "yes" if Respondents answer "yes" to getting help and are missing Rw[adl]A, i.e., the response to the any difficulty question is "don't do," "don't know," or "refuse." A "can't do" response would have already been coded as "yes."

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Some of these variables are used to construct a number of functional limitation indices, including an ADL summary index. Please see "ADL Summary" and "Other Summary Indices."

Another version of these variables simply recode the raw HRS variables. Please see the description of the Rw[adl] variables under "Activities of Daily Living (ADLs): Raw recodes" for this version.

A third version of ADL variables are derived for Wave 1 only (R1[adl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "ADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1[adl]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes described here for other waves (Rw[adl]A) solely due to measurement differences in the raw data. The R1[adl]W variables are not appropriate for comparison to the Rw[adl]A variables in other waves.

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on activities of daily living (ADLs), but the ADLs, the question wording, and possible answers vary.

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime. In Wave 1 these include

those identified as ADLs. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. ... Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes from "1" for "not at all difficult" to "4" for "very difficult/can't do." Another code is used for the "Don't do" response. The specific wording for the ADLs is: walk across a room, get in and out of bed without help, bathe or shower without help, eat without help, and dress without help.

In Wave 2H the ADL questions continue to be embedded among other activities as in Wave 1 but the question and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...? [IF YES] Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, so may be observed less frequently than in other waves, simply because of questionnaire differences. This does not appear to have a large impact among the ADLs. The specific wording for the ADLs is: walking across the room, getting in and out of bed without help, bathing or showering without help, eating without help, and dressing without help.

In Waves 1 and 2H, if the Respondent reported no difficulty with jogging a mile, walking several blocks, or walking one block, then the question about walking across the room is skipped.

In Wave 2A, the question asks:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you get help or have any difficulty doing each of the everyday activities. If you never do that activity, just tell me so. Does anyone ever help you ...? Yes, No or Don't do. [IF YES] Do you get help most of the time, some of the time, only occasionally?"

The exact wording for the ADLs in the help question is: get across a room; get in and out of bed; bathe or shower; dress, including putting on socks and shoes; eat, such as cutting up your food; and use the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room?"

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a rail, cane, walker, wheelchair or lift to help you get in and out of bed?"

For walking across a room and getting in and out of bed: "(Even when someone helps you/Even when using the (EQUIPMENT)/Without any help or special equipment) do you have any difficulty [...]? Yes or No. [if YES] Is that a lot or a little difficulty? The exact wording for the task is: walking across the room and getting in and out of bed."

For other ADLs: "Do you have any difficulty [...] (even when someone helps you/without any help)? Yes or No. [if YES] Is that a lot or a little difficulty? The exact wording for these tasks is: bathing, eating, dressing, and using the toilet."

Note that in Wave 2A, the question about getting help was asked before any difficulty and using equipment. So if the Respondent answered "don't do" on the getting help question, then the questions on any difficulty and equipment are skipped. Note that there is no "Can't do" category.

From Wave 3 forward, the questions about ADLs are removed from the initial list of activities. If the Respondent has no difficulty

with any of these activities then the questions about ADLs are skipped. Questions ask about ADLs ONLY if the Respondent reported difficulty with some activity on the initial list. The questions on ADLs ask:

"Here are a few more everyday activities. Please tell me if you have any difficulty with these because of a physical, mental, emotional or memory problem. Again exclude any difficulties you expect to last less than three months. Because of a health or memory problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply "yes," "no," "can't do," or "don't do. The exact wording for the ADLs is: walking across a room; dressing, including putting on socks and shoes; bathing or showering; eating, such as cutting up your food; getting in and out of bed; and using the toilet, including getting up and down.

Regardless of whether any difficulty is reported for walking across the room: "Do you ever use equipment or devices such as a cane, walker or wheelchair when crossing a room? Yes or No."

Regardless of whether any difficulty is reported for getting in and out of bed: "Do you ever use equipment or devices such as a cane, walker or railing when getting in or out of bed? Yes or No."

Unless the Respondent reports having no difficulty with an ADL then s/he is asked:

"Does anyone ever help you [...]? Yes or No." The exact wording for each of the ADLs is: get across a room, dress, bathe, eat, get in or out of bed, and use the toilet.

From Wave 4 forward, the question organization and wording are the same as in Wave 3, with one exception. If the first basic ADL, dressing, showed no difficulty, and among the prior tasks at most one difficulty was reported, the rest of the basic ADLs of walking across a room, bathing, eating, getting in/out of bed, and using the toilet were skipped.

In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the ADLs except help with dressing and eating.

In Waves 1 and 2H, questions about using the toilet are not asked, so for Wave 2H, R2TOILTA is set to .Q.

HRS Variables Used

AHEAD 1993:

B768	E33. ADL WALK HELP EVER
B770	E33b. WALK USE EQUIPMENT
B773	E33e. WALK ANY DIFFICULTY
B779	E35. ADL DRESS HELP EVER
B781	E35b. DRESS ANY DIFFICULTY
B787	E37. ADL BATHE HELP EVER
B789	E37b. BATHE ANY DIFFICULTY
B795	E39. ADL EAT GET HELP EVER
B797	E39b. EAT DIFFICULTY
B803	E41. ADL IN/OUT BED HELP EVER
B808	E43. BED USE EQUIPMENT EVER
B811	E43c. BED ANY DIFFICULTY
B814	E44. ADL TOILET HELP EVER
B816	E44b. TOILET ANY DIFFICULTY

HRS 1994:

W306	B4.RUNNING/JOGGING 1 MIL
W307	B4a.WALKING SEVERAL BLOC
W308	B4b.WALKING ONE BLOCK
W309	B4c.WALKING ACROSS A ROO
W312	B4f.GETTING IN/OUT OF BE
W318	B4n.BATHING/SHOWERING WI

W321	B4r.EATING WITHOUT HELP
W322	B4s.DRESSING WITHOUT HEL
AHEAD 1995:	
D1870	ADLCK.CKPT FOR SKIPPING ADL SERIES
D1871	E72.WALK DIFF
D1874	E72C.WALK EQUIPMENT
D1877	E72F.ADL WALK HELP
D1884	E73.DRESS DIFF
D1887	E73F.ADL DRESS HELP
D1894	E74.BATHING DIFF
D1897	E74F.ADL BATHE HELP
D1904	E75.EAT DIFF
D1907	E75F.ADL EAT HELP
D1914	E76.BED DIFF
D1917	E76C.BED EQUIPMENT
D1920	E76F.ADL BED HELP
D1927	E77.TOILET DIFF
D1930	E77F.ADL TOILET HELP
HRS 1996:	
E1894	ADLCK.CKPT FOR SKIPPING ADL SERIES
E1895	E72.WALK DIFF
E1898	E72C.WALK EQUIPMENT
E1901	E72F.ADL WALK HELP
E1908	E73.DRESS DIFF
E1911	E73F.ADL DRESS HELP
E1918	E74.BATHING DIFF
E1921	E74F.ADL BATHE HELP
E1928	E75.EAT DIFF
E1931	E75F.ADL EAT HELP
E1938	E76.BED DIFF
E1941	E76C.BED EQUIPMENT
E1944	E76F.ADL BED HELP
E1951	E77.TOILET DIFF
E1954	E77F.ADL TOILET HELP
HRS 1998:	
F2421	E71.PICK DIME
F2425	E73F.DRESS DIFF
F2426	E73F.ADL DRESS HELP
F2427	E72.WALK DIFF
F2428	E72C.WALK EQUIPMENT
F2431	E72.ADL WALK HELP
F2444	E74.BATHING DIFF
F2447	E74F.ADL BATHE HELP
F2454	E75.EAT DIFF
F2457	E75F.ADL EAT HELP
F2464	E76.BED DIFF
F2467	E76C.BED EQUIPMENT
F2470	E76F.ADL BED HELP
F2477	E77.TOILET DIFF
F2480	E77F.ADL TOILET HELP
HRS 2000:	
G2719	E71.PICK DIME
G2723	E73Y1.DRESS DIFF
G2724	E73F.ADL DRESS HELP
G2725	E72.WALK DIFF
G2726	E72C.WALK EQUIPMENT
G2729	E72Y1.ADL WALK HELP
G2742	E74.BATHING DIFF
G2745	E74F.ADL BATHE HELP

G2752	E75.EAT DIFF
G2755	E75F.ADL EAT HELP
G2762	E76.BED DIFF
G2765	E76C.BED EQUIPMENT
G2768	E76F.ADL BED HELP
G2775	E77.TOILET DIFF
G2778	E77F.ADL TOILET HELP
HRS 2002-2016:	
xG012	DIFFICULTY- PICKING UP DIME
xG014	DIFFICULTY- DRESSING
xG015	HELP W/DRESS
xG016	DIFFICULTY WALKING
xG017	WALK EQUIPMENT
xG020	ADL WALK HELP
xG021	DIFFICULTY BATHING
xG022	ADL BATHE HELP
xG023	DIFFICULTY EATING
xG024	ADL EAT HELP
xG025	DIFFICULTY GET IN/OUT BED
xG026	BED EQUIPMENT
xG029	ADL BED HELP
xG030	DIFFICULTY USING TOILET
xG031	ADL TOILET HELP

Activities of daily living (ADLs): Recodes for comparison to Wallace and Herzog

Wave	Variable	Label	Type
1	R1WALKRW	R1WALKRW:W1 R Any Diff-Walk across room	Categ
1	S1WALKRW	S1WALKRW:W1 S Any Diff-Walk across room	Categ
1	R1DRESSW	R1DRESSW:W1 R Any Diff-Dressing	Categ
1	S1DRESSW	S1DRESSW:W1 S Any Diff-Dressing	Categ
1	R1BATHW	R1BATHW:W1 R Any Diff-Bathing, shower	Categ
1	S1BATHW	S1BATHW:W1 S Any Diff-Bathing, shower	Categ
1	R1EATW	R1EATW:W1 R Any Diff-Eating	Categ
1	S1EATW	S1EATW:W1 S Any Diff-Eating	Categ
1	R1BEDW	R1BEDW:W1 R Any Diff-Get in/out of bed	Categ
1	S1BEDW	S1BEDW:W1 S Any Diff-Get in/out of bed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKRW	12636	0.04	0.20	0.0	1.0
S1WALKRW	9886	0.04	0.19	0.0	1.0
R1DRESSW	12645	0.03	0.17	0.0	1.0
S1DRESSW	9895	0.02	0.15	0.0	1.0
R1BATHW	12639	0.04	0.21	0.0	1.0
S1BATHW	9892	0.03	0.18	0.0	1.0
R1EATW	12647	0.01	0.10	0.0	1.0
S1EATW	9896	0.01	0.09	0.0	1.0
R1BEDW	12642	0.08	0.27	0.0	1.0
S1BEDW	9893	0.07	0.25	0.0	1.0

Categorical Variable Codes

R1WALKRW: R Any Diff-Walk across room

Value		w1
.X=Don't do	|	16
0.No	|	12102
1.Yes	|	534

S1WALKRW: S Any Diff-Walk across room

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	14
0.No	|	9533
1.Yes	|	353

R1DRESSW: R Any Diff-Dressing

Value		w1
.X=Don't do	|	7
0.No	|	12278
1.Yes	|	367

S1DRESSW: S Any Diff-Dressing

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	5
0.No	|	9655
1.Yes	|	240

R1BATHW: R Any Diff-Bathing, shower

Value	|	w1
.X=Don't do	|	13
0.No	|	12081
1.Yes	|	558

S1BATHW: S Any Diff-Bathing, shower

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	8
0.No	|	9555
1.Yes	|	337

R1EATW: R Any Diff-Eating

Value	|	w1
.X=Don't do	|	5
0.No	|	12529
1.Yes	|	118

S1EATW: S Any Diff-Eating

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	4
0.No	|	9819
1.Yes	|	77

R1BEDW: R Any Diff-Get in/out of bed

Value		w1
.X=Don't do	|	10
0.No	|	11672
1.Yes	|	970

S1BEDW: S Any Diff-Get in/out of bed

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	7
0.No	|	9235
1.Yes	|	658

How Constructed

These ADL variables are derived for Wave 1 only. They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). These variables are provided for comparison to the results found in that paper.

Wallace and Herzog recode the ADL variables to 1 for "any difficulty" if the Respondent answered "a little difficult," "somewhat difficult" or "very difficult/can't do." A response of "not difficult at all" is recoded to zero. This recoding scheme is applied for these variables to attempt to replicate the results reported in their paper.

If a Respondent said no difficulty jogging a mile, walking several blocks, or walking one block, the RwwALKRW variable is set to "0" for "no difficulty."

The spouse variables are taken from the spouse's self-reported Wave 1 data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are several other versions of these variables. One version simply recodes the raw HRS variables. Please see the descriptions of these (RwwALKR, RwdRESS, RweAT, RwbED, RwbATH) under "Activities of Daily Living (ADLs): Raw recodes."

Another version recodes a yes/no dummy variable in waves other than Wave 1, but these are not comparable with the Wallace and Herzog recodes. Please see the descriptions of these (RwwALKRA, RwdRESSA, RweATA, RwbEDA, RwbATHA) under "Activities of Daily Living (ADLs): Some difficulty."

Some of the Wallace and Herzog indices are also derived and include some of these measures in creating an index. Please see "ADL Summary" and "Other Summary Indices."

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on activities of daily living (ADLs), but the ADLs, the question wording, and possible answers vary.

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime. In Wave 1 these include

those identified as ADLs. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. ... Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...] ? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes from 1 for "not at all difficult" to 4 for "very difficult/can't do." Another code is used for the "Don't do" response.

In subsequent waves, there is a question that simply asks if the Respondent has any difficulty with a particular activity. The question wording and possible answers are sufficiently different that the levels of Wave 1 codes cannot be derived from the data.

HRS Variables Used

HRS 1992:

V307	B4D:WALK ACROSS A RO:IMP
V310	B4G:IN/OUT BED UNAID:IMP
V316	B4P:BATHE/SHOWR W/O :IMP
V319	B4S:EAT W/O HELP :IMP
V320	B4T:DRESS W/O HELP :IMP

Instrumental activities of daily living (IADLs): Raw recodes

Wave	Variable	Label	Type
1	R1MAP	R1MAP:W1 R Diff-Use a map	Categ
2	R2MAP	R2MAP:W2 R Diff-Use a map	Categ
3	R3MAP	R3MAP:W3 R Diff-Use a map	Categ
4	R4MAP	R4MAP:W4 R Diff-Use a map	Categ
5	R5MAP	R5MAP:W5 R Diff-Use a map	Categ
6	R6MAP	R6MAP:W6 R Diff-Use a map	Categ
7	R7MAP	R7MAP:W7 R Diff-Use a map	Categ
8	R8MAP	R8MAP:W8 R Diff-Use a map	Categ
9	R9MAP	R9MAP:W9 R Diff-Use a map	Categ
10	R10MAP	R10MAP:W10 R Diff-Use a map	Categ
11	R11MAP	R11MAP:W11 R Diff-Use a map	Categ
12	R12MAP	R12MAP:W12 R Diff-Use a map	Categ
13	R13MAP	R13MAP:W13 R Diff-Use a map	Categ
1	S1MAP	S1MAP:W1 S Diff-Use a map	Categ
2	S2MAP	S2MAP:W2 S Diff-Use a map	Categ
3	S3MAP	S3MAP:W3 S Diff-Use a map	Categ
4	S4MAP	S4MAP:W4 S Diff-Use a map	Categ
5	S5MAP	S5MAP:W5 S Diff-Use a map	Categ
6	S6MAP	S6MAP:W6 S Diff-Use a map	Categ
7	S7MAP	S7MAP:W7 S Diff-Use a map	Categ
8	S8MAP	S8MAP:W8 S Diff-Use a map	Categ
9	S9MAP	S9MAP:W9 S Diff-Use a map	Categ
10	S10MAP	S10MAP:W10 S Diff-Use a map	Categ
11	S11MAP	S11MAP:W11 S Diff-Use a map	Categ
12	S12MAP	S12MAP:W12 S Diff-Use a map	Categ
13	S13MAP	S13MAP:W13 S Diff-Use a map	Categ
1	R1CALC	R1CALC:W1 R Diff-Use a calculator	Categ
2	R2CALC	R2CALC:W2 R Diff-Use a calculator	Categ
1	S1CALC	S1CALC:W1 S Diff-Use a calculator	Categ
2	S2CALC	S2CALC:W2 S Diff-Use a calculator	Categ
1	R1MCWV	R1MCWV:W1 R Diff-Use a microwave	Categ
1	S1MCWV	S1MCWV:W1 S Diff-Use a microwave	Categ
1	R1COMP	R1COMP:W1 R Diff-Use a computer	Categ
1	S1COMP	S1COMP:W1 S Diff-Use a computer	Categ
2	R2PHONE	R2PHONE:W2 R Diff-Use telephone	Categ
3	R3PHONE	R3PHONE:W3 R Diff-Use telephone	Categ
4	R4PHONE	R4PHONE:W4 R Diff-Use telephone	Categ
5	R5PHONE	R5PHONE:W5 R Diff-Use telephone	Categ
6	R6PHONE	R6PHONE:W6 R Diff-Use telephone	Categ
7	R7PHONE	R7PHONE:W7 R Diff-Use telephone	Categ
8	R8PHONE	R8PHONE:W8 R Diff-Use telephone	Categ
9	R9PHONE	R9PHONE:W9 R Diff-Use telephone	Categ
10	R10PHONE	R10PHONE:W10 R Diff-Use telephone	Categ
11	R11PHONE	R11PHONE:W11 R Diff-Use telephone	Categ
12	R12PHONE	R12PHONE:W12 R Diff-Use telephone	Categ
13	R13PHONE	R13PHONE:W13 R Diff-Use telephone	Categ
2	S2PHONE	S2PHONE:W2 S Diff-Use telephone	Categ
3	S3PHONE	S3PHONE:W3 S Diff-Use telephone	Categ
4	S4PHONE	S4PHONE:W4 S Diff-Use telephone	Categ
5	S5PHONE	S5PHONE:W5 S Diff-Use telephone	Categ
6	S6PHONE	S6PHONE:W6 S Diff-Use telephone	Categ
7	S7PHONE	S7PHONE:W7 S Diff-Use telephone	Categ
8	S8PHONE	S8PHONE:W8 S Diff-Use telephone	Categ
9	S9PHONE	S9PHONE:W9 S Diff-Use telephone	Categ
10	S10PHONE	S10PHONE:W10 S Diff-Use telephone	Categ
11	S11PHONE	S11PHONE:W11 S Diff-Use telephone	Categ
12	S12PHONE	S12PHONE:W12 S Diff-Use telephone	Categ

13	S13PHONE	S13PHONE:W13 S Diff-Use telephone	Categ
2	R2PHONER	R2PHONER:W2 R Diff-Use telephone	Categ
2	S2PHONER	S2PHONER:W2 S Diff-Use telephone	Categ
2	R2MONEY	R2MONEY:W2 R Diff-Managing money	Categ
3	R3MONEY	R3MONEY:W3 R Diff-Managing money	Categ
4	R4MONEY	R4MONEY:W4 R Diff-Managing money	Categ
5	R5MONEY	R5MONEY:W5 R Diff-Managing money	Categ
6	R6MONEY	R6MONEY:W6 R Diff-Managing money	Categ
7	R7MONEY	R7MONEY:W7 R Diff-Managing money	Categ
8	R8MONEY	R8MONEY:W8 R Diff-Managing money	Categ
9	R9MONEY	R9MONEY:W9 R Diff-Managing money	Categ
10	R10MONEY	R10MONEY:W10 R Diff-Managing money	Categ
11	R11MONEY	R11MONEY:W11 R Diff-Managing money	Categ
12	R12MONEY	R12MONEY:W12 R Diff-Managing money	Categ
13	R13MONEY	R13MONEY:W13 R Diff-Managing money	Categ
2	S2MONEY	S2MONEY:W2 S Diff-Managing money	Categ
3	S3MONEY	S3MONEY:W3 S Diff-Managing money	Categ
4	S4MONEY	S4MONEY:W4 S Diff-Managing money	Categ
5	S5MONEY	S5MONEY:W5 S Diff-Managing money	Categ
6	S6MONEY	S6MONEY:W6 S Diff-Managing money	Categ
7	S7MONEY	S7MONEY:W7 S Diff-Managing money	Categ
8	S8MONEY	S8MONEY:W8 S Diff-Managing money	Categ
9	S9MONEY	S9MONEY:W9 S Diff-Managing money	Categ
10	S10MONEY	S10MONEY:W10 S Diff-Managing money	Categ
11	S11MONEY	S11MONEY:W11 S Diff-Managing money	Categ
12	S12MONEY	S12MONEY:W12 S Diff-Managing money	Categ
13	S13MONEY	S13MONEY:W13 S Diff-Managing money	Categ
2	R2MONEYR	R2MONEYR:W2 R Diff-Managing money	Categ
2	S2MONEYR	S2MONEYR:W2 S Diff-Managing money	Categ
2	R2MEDS	R2MEDS:W2 R Diff-Take medications	Categ
3	R3MEDS	R3MEDS:W3 R Diff-Take medications	Categ
4	R4MEDS	R4MEDS:W4 R Diff-Take medications	Categ
5	R5MEDS	R5MEDS:W5 R Diff-Take medications	Categ
6	R6MEDS	R6MEDS:W6 R Diff-Take medications	Categ
7	R7MEDS	R7MEDS:W7 R Diff-Take medications	Categ
8	R8MEDS	R8MEDS:W8 R Diff-Take medications	Categ
9	R9MEDS	R9MEDS:W9 R Diff-Take medications	Categ
10	R10MEDS	R10MEDS:W10 R Diff-Take medications	Categ
11	R11MEDS	R11MEDS:W11 R Diff-Take medications	Categ
12	R12MEDS	R12MEDS:W12 R Diff-Take medications	Categ
13	R13MEDS	R13MEDS:W13 R Diff-Take medications	Categ
2	S2MEDS	S2MEDS:W2 S Diff-Take medications	Categ
3	S3MEDS	S3MEDS:W3 S Diff-Take medications	Categ
4	S4MEDS	S4MEDS:W4 S Diff-Take medications	Categ
5	S5MEDS	S5MEDS:W5 S Diff-Take medications	Categ
6	S6MEDS	S6MEDS:W6 S Diff-Take medications	Categ
7	S7MEDS	S7MEDS:W7 S Diff-Take medications	Categ
8	S8MEDS	S8MEDS:W8 S Diff-Take medications	Categ
9	S9MEDS	S9MEDS:W9 S Diff-Take medications	Categ
10	S10MEDS	S10MEDS:W10 S Diff-Take medications	Categ
11	S11MEDS	S11MEDS:W11 S Diff-Take medications	Categ
12	S12MEDS	S12MEDS:W12 S Diff-Take medications	Categ
13	S13MEDS	S13MEDS:W13 S Diff-Take medications	Categ
2	R2MEDSR	R2MEDSR:W2 R Diff-Take medications	Categ
2	S2MEDSR	S2MEDSR:W2 S Diff-Take medications	Categ
3	R3SHOP	R3SHOP:W3 R Diff-Shop for groceries	Categ
4	R4SHOP	R4SHOP:W4 R Diff-Shop for groceries	Categ
5	R5SHOP	R5SHOP:W5 R Diff-Shop for groceries	Categ
6	R6SHOP	R6SHOP:W6 R Diff-Shop for groceries	Categ
7	R7SHOP	R7SHOP:W7 R Diff-Shop for groceries	Categ
8	R8SHOP	R8SHOP:W8 R Diff-Shop for groceries	Categ

9	R9SHOP	R9SHOP:W9 R Diff-Shop for groceries	Categ
10	R10SHOP	R10SHOP:W10 R Diff-Shop for groceries	Categ
11	R11SHOP	R11SHOP:W11 R Diff-Shop for groceries	Categ
12	R12SHOP	R12SHOP:W12 R Diff-Shop for groceries	Categ
13	R13SHOP	R13SHOP:W13 R Diff-Shop for groceries	Categ
3	S3SHOP	S3SHOP:W3 S Diff-Shop for groceries	Categ
4	S4SHOP	S4SHOP:W4 S Diff-Shop for groceries	Categ
5	S5SHOP	S5SHOP:W5 S Diff-Shop for groceries	Categ
6	S6SHOP	S6SHOP:W6 S Diff-Shop for groceries	Categ
7	S7SHOP	S7SHOP:W7 S Diff-Shop for groceries	Categ
8	S8SHOP	S8SHOP:W8 S Diff-Shop for groceries	Categ
9	S9SHOP	S9SHOP:W9 S Diff-Shop for groceries	Categ
10	S10SHOP	S10SHOP:W10 S Diff-Shop for groceries	Categ
11	S11SHOP	S11SHOP:W11 S Diff-Shop for groceries	Categ
12	S12SHOP	S12SHOP:W12 S Diff-Shop for groceries	Categ
13	S13SHOP	S13SHOP:W13 S Diff-Shop for groceries	Categ
2	R2SHOPR	R2SHOPR:W2 R Diff-Shop for groceries	Categ
2	S2SHOPR	S2SHOPR:W2 S Diff-Shop for groceries	Categ
3	R3MEALS	R3MEALS:W3 R Diff-Preparing hot meals	Categ
4	R4MEALS	R4MEALS:W4 R Diff-Preparing hot meals	Categ
5	R5MEALS	R5MEALS:W5 R Diff-Preparing hot meals	Categ
6	R6MEALS	R6MEALS:W6 R Diff-Preparing hot meals	Categ
7	R7MEALS	R7MEALS:W7 R Diff-Preparing hot meals	Categ
8	R8MEALS	R8MEALS:W8 R Diff-Preparing hot meals	Categ
9	R9MEALS	R9MEALS:W9 R Diff-Preparing hot meals	Categ
10	R10MEALS	R10MEALS:W10 R Diff-Preparing hot meals	Categ
11	R11MEALS	R11MEALS:W11 R Diff-Preparing hot meals	Categ
12	R12MEALS	R12MEALS:W12 R Diff-Preparing hot meals	Categ
13	R13MEALS	R13MEALS:W13 R Diff-Preparing hot meals	Categ
3	S3MEALS	S3MEALS:W3 S Diff-Preparing hot meals	Categ
4	S4MEALS	S4MEALS:W4 S Diff-Preparing hot meals	Categ
5	S5MEALS	S5MEALS:W5 S Diff-Preparing hot meals	Categ
6	S6MEALS	S6MEALS:W6 S Diff-Preparing hot meals	Categ
7	S7MEALS	S7MEALS:W7 S Diff-Preparing hot meals	Categ
8	S8MEALS	S8MEALS:W8 S Diff-Preparing hot meals	Categ
9	S9MEALS	S9MEALS:W9 S Diff-Preparing hot meals	Categ
10	S10MEALS	S10MEALS:W10 S Diff-Preparing hot meals	Categ
11	S11MEALS	S11MEALS:W11 S Diff-Preparing hot meals	Categ
12	S12MEALS	S12MEALS:W12 S Diff-Preparing hot meals	Categ
13	S13MEALS	S13MEALS:W13 S Diff-Preparing hot meals	Categ
2	R2MEALSR	R2MEALSR:W2 R Diff-Preparing hot meals	Categ
2	S2MEALSR	S2MEALSR:W2 S Diff-Preparing hot meals	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MAP	12652	1.84	1.68	1.0	9.0
R2MAP	11400	0.38	1.03	0.0	9.0
R3MAP	17943	1.45	3.09	0.0	9.0
R4MAP	21332	1.33	3.02	0.0	9.0
R5MAP	19537	1.42	3.10	0.0	9.0
R6MAP	18140	1.34	3.01	0.0	9.0
R7MAP	20103	1.30	2.98	0.0	9.0
R8MAP	18444	1.23	2.89	0.0	9.0
R9MAP	17191	1.25	2.92	0.0	9.0
R10MAP	21862	0.82	2.35	0.0	9.0
R11MAP	20493	0.80	2.32	0.0	9.0

R12MAP	18687	0.78	2.25	0.0	9.0
R13MAP	20829	0.68	2.12	0.0	9.0
S1MAP	9900	1.74	1.53	1.0	9.0
S2MAP	8727	0.33	0.91	0.0	9.0
S3MAP	11901	0.96	2.55	0.0	9.0
S4MAP	13966	0.91	2.54	0.0	9.0
S5MAP	12719	0.99	2.65	0.0	9.0
S6MAP	11626	0.87	2.47	0.0	9.0
S7MAP	12963	0.86	2.48	0.0	9.0
S8MAP	11724	0.83	2.42	0.0	9.0
S9MAP	10636	0.78	2.34	0.0	9.0
S10MAP	13421	0.53	1.88	0.0	9.0
S11MAP	12465	0.52	1.86	0.0	9.0
S12MAP	10992	0.51	1.81	0.0	9.0
S13MAP	11754	0.44	1.70	0.0	9.0
R1CALC	12652	2.06	2.52	1.0	9.0
R2CALC	11398	0.41	1.59	0.0	9.0
S1CALC	9900	1.95	2.40	1.0	9.0
S2CALC	8722	0.37	1.52	0.0	9.0
R1MCWV	12652	1.51	1.69	1.0	9.0
S1MCWV	9900	1.42	1.51	1.0	9.0
R1COMP	12652	4.88	3.61	1.0	9.0
S1COMP	9900	4.82	3.61	1.0	9.0
R2PHONE	11416	0.05	0.39	0.0	9.0
R3PHONE	17951	0.12	0.74	0.0	9.0
R4PHONE	21349	0.12	0.72	0.0	9.0
R5PHONE	19550	0.13	0.78	0.0	9.0
R6PHONE	18157	0.12	0.73	0.0	9.0
R7PHONE	20109	0.12	0.72	0.0	9.0
R8PHONE	18457	0.11	0.68	0.0	9.0
R9PHONE	17202	0.12	0.72	0.0	9.0
R10PHONE	21892	0.09	0.54	0.0	9.0
R11PHONE	20529	0.09	0.56	0.0	9.0
R12PHONE	18724	0.09	0.52	0.0	9.0
R13PHONE	20867	0.07	0.47	0.0	9.0
S2PHONE	8738	0.04	0.37	0.0	9.0
S3PHONE	11904	0.09	0.65	0.0	9.0
S4PHONE	13972	0.09	0.65	0.0	9.0
S5PHONE	12724	0.10	0.71	0.0	9.0
S6PHONE	11636	0.08	0.61	0.0	9.0
S7PHONE	12966	0.08	0.63	0.0	9.0
S8PHONE	11733	0.08	0.62	0.0	9.0
S9PHONE	10639	0.09	0.65	0.0	9.0
S10PHONE	13427	0.06	0.46	0.0	9.0
S11PHONE	12482	0.07	0.50	0.0	9.0
S12PHONE	11006	0.07	0.50	0.0	9.0
S13PHONE	11768	0.06	0.45	0.0	9.0
R2PHONER	8219	0.10	0.65	0.0	9.0

S2PHONER	4348	0.09	0.60	0.0	9.0
R2MONEY	11415	0.11	0.64	0.0	9.0
R3MONEY	17950	0.37	1.56	0.0	9.0
R4MONEY	21349	0.35	1.54	0.0	9.0
R5MONEY	19547	0.38	1.60	0.0	9.0
R6MONEY	18152	0.40	1.61	0.0	9.0
R7MONEY	20107	0.43	1.71	0.0	9.0
R8MONEY	18456	0.45	1.74	0.0	9.0
R9MONEY	17203	0.44	1.72	0.0	9.0
R10MONEY	21880	0.35	1.49	0.0	9.0
R11MONEY	20523	0.32	1.42	0.0	9.0
R12MONEY	18716	0.33	1.43	0.0	9.0
R13MONEY	20851	0.27	1.28	0.0	9.0
S2MONEY	8737	0.10	0.65	0.0	9.0
S3MONEY	11903	0.41	1.74	0.0	9.0
S4MONEY	13972	0.37	1.66	0.0	9.0
S5MONEY	12721	0.42	1.77	0.0	9.0
S6MONEY	11631	0.42	1.78	0.0	9.0
S7MONEY	12966	0.46	1.88	0.0	9.0
S8MONEY	11731	0.49	1.92	0.0	9.0
S9MONEY	10641	0.47	1.89	0.0	9.0
S10MONEY	13423	0.38	1.65	0.0	9.0
S11MONEY	12482	0.34	1.57	0.0	9.0
S12MONEY	11005	0.37	1.63	0.0	9.0
S13MONEY	11761	0.30	1.45	0.0	9.0
R2MONEYR	8214	0.88	2.54	0.0	9.0
S2MONEYR	4344	1.15	2.91	0.0	9.0
R2MEDS	11414	0.13	0.91	0.0	9.0
R3MEDS	17950	0.67	2.28	0.0	9.0
R4MEDS	20068	0.06	0.45	0.0	9.0
R5MEDS	18545	0.06	0.40	0.0	9.0
R6MEDS	17776	0.05	0.30	0.0	9.0
R7MEDS	19696	0.05	0.33	0.0	9.0
R8MEDS	18206	0.06	0.32	0.0	9.0
R9MEDS	17012	0.06	0.32	0.0	9.0
R10MEDS	21622	0.06	0.40	0.0	9.0
R11MEDS	20291	0.06	0.34	0.0	9.0
R12MEDS	18501	0.06	0.40	0.0	9.0
R13MEDS	20665	0.06	0.41	0.0	9.0
S2MEDS	8735	0.12	0.88	0.0	9.0
S3MEDS	11904	0.66	2.30	0.0	9.0
S4MEDS	13139	0.05	0.42	0.0	9.0
S5MEDS	12052	0.04	0.35	0.0	9.0
S6MEDS	11414	0.03	0.24	0.0	9.0
S7MEDS	12741	0.04	0.30	0.0	9.0
S8MEDS	11590	0.04	0.28	0.0	9.0
S9MEDS	10546	0.04	0.27	0.0	9.0
S10MEDS	13282	0.05	0.37	0.0	9.0
S11MEDS	12345	0.04	0.25	0.0	9.0
S12MEDS	10886	0.05	0.38	0.0	9.0
S13MEDS	11665	0.04	0.35	0.0	9.0
R2MEDSR	8221	0.17	1.05	0.0	9.0

S2MEDSR	4348	0.12	0.84	0.0	9.0
R3SHOP	17950	0.47	1.70	0.0	9.0
R4SHOP	21350	0.45	1.67	0.0	9.0
R5SHOP	19550	0.48	1.73	0.0	9.0
R6SHOP	18157	0.48	1.71	0.0	9.0
R7SHOP	20074	0.45	1.67	0.0	9.0
R8SHOP	18458	0.45	1.63	0.0	9.0
R9SHOP	17206	0.43	1.59	0.0	9.0
R10SHOP	21887	0.29	1.22	0.0	9.0
R11SHOP	20520	0.28	1.16	0.0	9.0
R12SHOP	18720	0.27	1.15	0.0	9.0
R13SHOP	20867	0.26	1.11	0.0	9.0
S3SHOP	11904	0.45	1.76	0.0	9.0
S4SHOP	13972	0.40	1.67	0.0	9.0
S5SHOP	12724	0.44	1.75	0.0	9.0
S6SHOP	11635	0.42	1.71	0.0	9.0
S7SHOP	12956	0.41	1.71	0.0	9.0
S8SHOP	11732	0.40	1.64	0.0	9.0
S9SHOP	10642	0.36	1.55	0.0	9.0
S10SHOP	13427	0.23	1.14	0.0	9.0
S11SHOP	12476	0.22	1.09	0.0	9.0
S12SHOP	11004	0.22	1.10	0.0	9.0
S13SHOP	11765	0.21	1.06	0.0	9.0
R2SHOPR	8220	0.46	1.52	0.0	9.0
S2SHOPR	4347	0.44	1.61	0.0	9.0
R3MEALS	17951	0.59	2.05	0.0	9.0
R4MEALS	21350	0.56	2.01	0.0	9.0
R5MEALS	19548	0.61	2.07	0.0	9.0
R6MEALS	18155	0.63	2.10	0.0	9.0
R7MEALS	20112	0.57	2.02	0.0	9.0
R8MEALS	18459	0.52	1.90	0.0	9.0
R9MEALS	17205	0.51	1.87	0.0	9.0
R10MEALS	21887	0.33	1.45	0.0	9.0
R11MEALS	20523	0.32	1.42	0.0	9.0
R12MEALS	18719	0.29	1.33	0.0	9.0
R13MEALS	20867	0.27	1.27	0.0	9.0
S3MEALS	11904	0.65	2.24	0.0	9.0
S4MEALS	13973	0.60	2.15	0.0	9.0
S5MEALS	12724	0.64	2.21	0.0	9.0
S6MEALS	11634	0.65	2.22	0.0	9.0
S7MEALS	12967	0.59	2.12	0.0	9.0
S8MEALS	11732	0.51	1.95	0.0	9.0
S9MEALS	10643	0.50	1.93	0.0	9.0
S10MEALS	13427	0.30	1.45	0.0	9.0
S11MEALS	12478	0.28	1.40	0.0	9.0
S12MEALS	11001	0.27	1.35	0.0	9.0
S13MEALS	11768	0.22	1.22	0.0	9.0
R2MEALSR	8220	0.59	2.02	0.0	9.0
S2MEALSR	4348	0.79	2.41	0.0	9.0

Categorical Variable Codes

R1MAP: R Diff-Use a map

Value	|	w1
1.Not at all diff	|	8225
2.A little diff	|	1997
3.Somewhat diff	|	957
4.Very diff/can't do	|	1009
9.Don't do	|	464

R2MAP: R Diff-Use a map

Value	|	w2
.D=DK/NA	|	18
.Q=Not asked this wv	|	8222
.R=RF	|	2
0.No	|	8949
1.Yes,a little	|	1244
2.Yes,a lot	|	1106
3.Yes,DK/NA how much	|	2
4.Yes,RF how much	|	1
9.Don't do	|	98

RwMAP: R Diff-Use a map

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	8	18	14	18	10	15	14	31
.R=RF	|	4	6	3		6	3	3	6
.S=Skip	|	36	28	24	7	10	7	9	135
0.No	|	12656	16175	14613	13596	15287	14013	13038	17338
1.Yes	|	2198	1599	1393	1437	1504	1546	1480	2516
2.Can't do	|	568	745	782	724	742	699	576	394
9.Don't do	|	2521	2813	2749	2383	2570	2186	2097	1614

Value	|	w11	w12	w13
.D=DK/NA	|	36	34	39
.R=RF	|	7	9	7
.S=Skip	|	18	17	37
0.No	|	16252	14600	16811
1.Yes	|	2374	2512	2517
2.Can't do	|	384	311	268
9.Don't do	|	1483	1264	1233

S1MAP: S Diff-Use a map

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	6644
2.A little diff	|	1543
3.Somewhat diff	|	747
4.Very diff/can't do	|	686
9.Don't do	|	280

S2MAP: S Diff-Use a map

Value	|	w2
.D=DK/NA	|	12
.Q=Not asked this wv	|	4549
.R=RF	|	2
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	7037
1.Yes,a little	|	922
2.Yes,a lot	|	711
3.Yes,DK/NA how much	|	2
4.Yes,RF how much	|	1
9.Don't do	|	54

SwMAP: S Diff-Use a map

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	8	18	14	18	10	15	14	31
.R=RF	|	4	6	3		6	3	3	6
.S=Skip	|	36	28	24	7	10	7	9	135
0.No	|	12656	16175	14613	13596	15287	14013	13038	17338
1.Yes	|	2198	1599	1393	1437	1504	1546	1480	2516
2.Can't do	|	568	745	782	724	742	699	576	394
9.Don't do	|	2521	2813	2749	2383	2570	2186	2097	1614

Value	|	w11	w12	w13
.D=DK/NA	|	36	34	39
.R=RF	|	7	9	7
.S=Skip	|	18	17	37
0.No	|	16252	14600	16811
1.Yes	|	2374	2512	2517
2.Can't do	|	384	311	268
9.Don't do	|	1483	1264	1233

R1CALC: R Diff-Use a calculator

Value	|	w1
1.Not at all diff	|	9979
2.A little diff	|	664
3.Somewhat diff	|	257
4.Very diff/can't do	|	354
9.Don't do	|	1398

R2CALC: R Diff-Use a calculator

Value	|	w2
.D=DK/NA	|	19
.Q=Not asked this wv	|	8222
.R=RF	|	3
0.No	|	10050
1.Yes,a little	|	452
2.Yes,a lot	|	546
3.Yes,DK/NA how much	|	4
9.Don't do	|	346

S1CALC: S Diff-Use a calculator

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	7973
2.A little diff	|	522
3.Somewhat diff	|	190
4.Very diff/can't do	|	238
9.Don't do	|	977

S2CALC: S Diff-Use a calculator

Value	|	w2
.D=DK/NA	|	16
.Q=Not asked this wv	|	4549
.R=RF	|	3
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	7808
1.Yes,a little	|	320
2.Yes,a lot	|	349
3.Yes,DK/NA how much	|	2
9.Don't do	|	243

R1MCWV: R Diff-Use a microwave

Value	|	w1
1.Not at all diff	|	10797
2.A little diff	|	840
3.Somewhat diff	|	259
4.Very diff/can't do	|	199
9.Don't do	|	557

S1MCWV: S Diff-Use a microwave

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	8560
2.A little diff	|	677
3.Somewhat diff	|	192
4.Very diff/can't do	|	133
9.Don't do	|	338

R1COMP: R Diff-Use a computer

Value	|	w1
1.Not at all diff	|	4059
2.A little diff	|	1183
3.Somewhat diff	|	853
4.Very diff/can't do	|	1239
9.Don't do	|	5318

S1COMP: S Diff-Use a computer

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	3218
2.A little diff	|	976
3.Somewhat diff	|	683
4.Very diff/can't do	|	944
9.Don't do	|	4079

R2PHONE: R Diff-Use telephone

Value	|	w2
.D=DK/NA	|	1
.Q=Not asked this wv	|	8222
.R=RF	|	3
0.No	|	11117
1.Yes,a little	|	153
2.Yes,a lot	|	126
3.Yes,DK/NA how much	|	4
4.Yes,RF how much	|	3
9.Don't do	|	13

RwPHONE: R Diff-Use telephone

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	1	4	2	1	4	3	5	3
.R=RF	|	3	3	2		6	2	1	4
.S=Skip	|	36	28	24	7	10	7	9	135
0.No	|	16925	20118	18418	17019	18978	17372	16137	20574
1.Yes	|	642	775	682	726	693	658	692	1049
2.Can't do	|	281	341	325	315	331	344	282	212
9.Don't do	|	103	115	125	97	107	83	91	57

Value		w11	w12	w13
.D=DK/NA	|	6	5	4
.R=RF	|	1	1	4
.S=Skip	|	18	17	37
0.No	|	19292	17545	19782
1.Yes	|	980	986	888
2.Can't do	|	198	147	158
9.Don't do	|	59	46	39

S2PHONE: S Diff-Use telephone

Value		w2
.Q=Not asked this wv	|	4549
.R=RF	|	3
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	8532
1.Yes,a little	|	111
2.Yes,a lot	|	81
3.Yes,DK/NA how much	|	2
4.Yes,RF how much	|	3
9.Don't do	|	9

SwPHONE: S Diff-Use telephone

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	1	4	2	1	4	3	5	3
.R=RF	|	3	3	2		6	2	1	4
.S=Skip	|	36	28	24	7	10	7	9	135
0.No	|	16925	20118	18418	17019	18978	17372	16137	20574
1.Yes	|	642	775	682	726	693	658	692	1049
2.Can't do	|	281	341	325	315	331	344	282	212
9.Don't do	|	103	115	125	97	107	83	91	57

Value		w11	w12	w13
.D=DK/NA	|	6	5	4
.R=RF	|	1	1	4
.S=Skip	|	18	17	37
0.No	|	19292	17545	19782
1.Yes	|	980	986	888
2.Can't do	|	198	147	158
9.Don't do	|	59	46	39

R2PHONER: R Diff-Use telephone

Value		w2
.D=DK/NA	|	2
.M=Oth missing	|	1
.Q=Not asked this wv	|	11420
0.Able to do without help	|	7745
1.Unable to do without help	|	375
2.Can't do	|	63
9.Don't do	|	36

S2PHONER: S Diff-Use telephone

Value		w2
.M=Oth missing	|	1
.Q=Not asked this wv	|	9125
.U=Unmarried	|	5968
.V=Spouse NR	|	200
0.Able to do without help	|	4122
1.Unable to do without help	|	170
2.Can't do	|	40
9.Don't do	|	16

R2MONEY: R Diff-Managing money

Value		w2
.D=DK/NA	|	3
.Q=Not asked this wv	|	8222
.R=RF	|	2
0.No	|	10781
1.Yes,a little	|	379
2.Yes,a lot	|	205
3.Yes,DK/NA how much	|	3
4.Yes,RF how much	|	4
9.Don't do	|	43

RwMONEY: R Diff-Managing money

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	1	3	4	3	4	3	3	9
.M=Oth missing	|	1							
.R=RF	|	3	4	2	3	8	3	2	10
.S=Skip	|	36	28	25	7	10	7	9	135
0.No	|	16166	19305	17562	16196	17980	16377	15225	19379
1.Yes	|	713	849	789	800	768	789	736	1411
2.Can't do	|	534	576	579	576	625	592	612	500
9.Don't do	|	537	619	617	580	734	698	630	590

Value		w11	w12	w13
.D=DK/NA	|	9	10	17
.M=Oth missing	|			
.R=RF	|	4	4	7
.S=Skip	|	18	17	37
0.No	|	18323	16560	18751
1.Yes	|	1255	1342	1339
2.Can't do	|	446	353	351
9.Don't do	|	499	461	410

S2MONEY: S Diff-Managing money

Value		w2
.D=DK/NA	|	2
.Q=Not asked this wv	|	4549
.R=RF	|	2
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	8320
1.Yes,a little	|	261
2.Yes,a lot	|	115
3.Yes,DK/NA how much	|	1
4.Yes,RF how much	|	3
9.Don't do	|	37

SwMONEY: S Diff-Managing money

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	1	3	4	3	4	3	3	9
.M=Oth missing	|	1							
.R=RF	|	3	4	2	3	8	3	2	10
.S=Skip	|	36	28	25	7	10	7	9	135
0.No	|	16166	19305	17562	16196	17980	16377	15225	19379
1.Yes	|	713	849	789	800	768	789	736	1411
2.Can't do	|	534	576	579	576	625	592	612	500
9.Don't do	|	537	619	617	580	734	698	630	590

Value		w11	w12	w13
.D=DK/NA	|	9	10	17
.M=Oth missing	|			
.R=RF	|	4	4	7
.S=Skip	|	18	17	37
0.No	|	18323	16560	18751
1.Yes	|	1255	1342	1339
2.Can't do	|	446	353	351
9.Don't do	|	499	461	410

R2MONEYR: R Diff-Managing money

Value		w2
.D=DK/NA	|	2
.M=Oth missing	|	4
.Q=Not asked this wv	|	11420
.R=RF	|	2
0.Able to do without help	|	6758
1.Unable to do without help	|	734
9.Don't do	|	722

S2MONEYR: S Diff-Managing money

Value		w2
.D=DK/NA	|	2
.M=Oth missing	|	2
.Q=Not asked this wv	|	9125
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	200
0.Able to do without help	|	3522
1.Unable to do without help	|	302
9.Don't do	|	520

R2MEDS: R Diff-Take medications

Value	w2
.D=DK/NA	4
.Q=Not asked this wv	8222
.R=RF	2
0.No	10963
1.Yes,a little	200
2.Yes,a lot	130
4.Yes,RF how much	12
9.Don't do	109

RwMEDS: R Diff-Take medications

Value	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	1	6	2	6	6	2		3
.R=RF	4	4	2		4	3	1	6
.S=Skip	36	28	24	7	36	7	9	135
.Z=Don't do/No if did		1278	1005	376	387	251	195	268
0.No	16009	19211	17732	16962	18829	17322	16149	20552
1.Yes	585	715	672	723	771	786	783	996
2.Can't do	113	106	117	84	82	89	71	44
9.Don't do	1243	36	24	7	14	9	9	30

Value	w11	w12	w13
.D=DK/NA	7	5	5
.R=RF	3	1	3
.S=Skip	18	17	37
.Z=Don't do/No if did	235	223	202
0.No	19282	17520	19671
1.Yes	951	939	943
2.Can't do	42	17	20
9.Don't do	16	25	31

S2MEDS: S Diff-Take medications

Value	w2
.D=DK/NA	4
.Q=Not asked this wv	4549
.R=RF	2
.U=Unmarried	5968
.V=Spouse NR	384
0.No	8421
1.Yes,a little	137
2.Yes,a lot	90
4.Yes,RF how much	10
9.Don't do	77

SwMEDS: S Diff-Take medications

Value		w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	1	6	2	6	6	2		3
.R=RF	|	4	4	2		4	3	1	6
.S=Skip	|	36	28	24	7	36	7	9	135
.Z=Don't do/No if did	|		1278	1005	376	387	251	195	268
0.No	|	16009	19211	17732	16962	18829	17322	16149	20552
1.Yes	|	585	715	672	723	771	786	783	996
2.Can't do	|	113	106	117	84	82	89	71	44
9.Don't do	|	1243	36	24	7	14	9	9	30

Value		w11	w12	w13
.D=DK/NA	|	7	5	5
.R=RF	|	3	1	3
.S=Skip	|	18	17	37
.Z=Don't do/No if did	|	235	223	202
0.No	|	19282	17520	19671
1.Yes	|	951	939	943
2.Can't do	|	42	17	20
9.Don't do	|	16	25	31

R2MEDSR: R Diff-Take medications

Value		w2
.M=Oth missing	|	1
.Q=Not asked this wv	|	11420
0.Able to do without help	|	7711
1.Unable to do without help	|	377
2.Can't do	|	24
9.Don't do	|	109

S2MEDSR: S Diff-Take medications

Value		w2
.M=Oth missing	|	1
.Q=Not asked this wv	|	9125
.U=Unmarried	|	5968
.V=Spouse NR	|	200
0.Able to do without help	|	4129
1.Unable to do without help	|	171
2.Can't do	|	12
9.Don't do	|	36

RwSHOP: R Diff-Shop for groceries

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			2		2	1	4	1	1	6
.R=RF	|			3	6	2		6	3	1	6
.S=Skip	|			36	28	24	7	45	7	9	135
0.No	|			15421	18465	16827	15568	17375	15820	14828	19170
1.Yes	|			1024	1220	1140	1052	1107	1186	1036	1695
2.Can't do	|			867	941	859	887	907	857	818	649
9.Don't do	|			638	724	724	650	685	595	524	373

Value		w11	w12	w13
.D=DK/NA	|	10	9	6
.R=RF	|	6	1	2
.S=Skip	|	18	17	37
0.No	|	17916	16295	18324
1.Yes	|	1703	1703	1761
2.Can't do	|	590	440	492
9.Don't do	|	311	282	290

SwSHOP: S Diff-Shop for groceries

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|						1	2		1	3
.R=RF	|			2	1	1		4	2	1	2
.S=Skip	|			11	7	5	3	10	1	2	81
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.No	|			10631	12566	11385	10457	11663	10487	9602	12249
1.Yes	|			489	562	536	441	515	571	462	764
2.Can't do	|			319	362	315	312	306	285	263	209
9.Don't do	|			465	482	488	425	472	389	315	205

Value		w11	w12	w13
.D=DK/NA	|	6	4	6
.R=RF	|	2		1
.S=Skip	|	4	4	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11360	9983	10723
1.Yes	|	730	707	725
2.Can't do	|	215	160	165
9.Don't do	|	171	154	152

R2SHOPR: R Diff-Shop for groceries

Value	w2
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	11420
0.Able to do without help	6535
1.Unable to do without help	1180
2.Can't do	277
9.Don't do	228

S2SHOPR: S Diff-Shop for groceries

Value	w2
.D=DK/NA	1
.M=Oth missing	1
.Q=Not asked this wv	9125
.U=Unmarried	5968
.V=Spouse NR	200
0.Able to do without help	3662
1.Unable to do without help	442
2.Can't do	105
9.Don't do	138

RwMEALS: R Diff-Preparing hot meals

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	1	3	3	2		2	6
.R=RF			3	5	3		5	3	1	6
.S=Skip			36	28	24	7	10	7	9	135
0.No			15739	18781	17034	15689	17625	16216	15095	19648
1.Yes			688	844	761	775	764	765	744	1186
2.Can't do			554	619	670	651	674	631	610	495
9.Don't do			970	1106	1083	1040	1049	847	756	558

Value	w11	w12	w13
.D=DK/NA	8	9	5
.R=RF	5	2	3
.S=Skip	18	17	37
0.No	18341	16776	18880
1.Yes	1238	1177	1207
2.Can't do	444	373	383
9.Don't do	500	393	397

SwMEALS: S Diff-Preparing hot meals

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|						2	1			2
.R=RF	|			2		1		3	2	1	3
.S=Skip	|			11	7	5	3	1	1	2	81
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.No	|			10592	12506	11309	10343	11639	10577	9637	12393
1.Yes	|			320	389	351	336	367	373	314	534
2.Can't do	|			209	234	246	201	202	210	181	153
9.Don't do	|			783	844	818	754	759	572	511	347

Value		w11	w12	w13
.D=DK/NA	|	5	6	3
.R=RF	|	1	1	1
.S=Skip	|	4	4	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11489	10144	10965
1.Yes	|	551	493	469
2.Can't do	|	137	120	122
9.Don't do	|	301	244	212

R2MEALSR: R Diff-Preparing hot meals

Value		w2
.M=Oth missing	|	1
.Q=Not asked this wv	|	11420
.R=RF	|	1
0.Able to do without help	|	7018
1.Unable to do without help	|	588
2.Can't do	|	179
9.Don't do	|	435

S2MEALSR: S Diff-Preparing hot meals

Value		w2
.M=Oth missing	|	1
.Q=Not asked this wv	|	9125
.U=Unmarried	|	5968
.V=Spouse NR	|	200
0.Able to do without help	|	3676
1.Unable to do without help	|	262
2.Can't do	|	72
9.Don't do	|	338

How Constructed

These variables recode the raw variables for difficulty with instrumental activities of daily living (IADLs) as they appear in the HRS data except for missing values and accounting for skip patterns. Some measures described here are not normally used as IADLs but are included with them because they seemed to serve a similar measurement function in Wave 1. The measures described here are using the phone (RwPHONE), taking medications (RwMEDS), managing money (RwMONEY), shopping for groceries (RwSHOP), preparing meals (RwMEALS), using a map (RwMAP), using a calculator (RwCALC), using a microwave (R1MCWV), and using a computer (R1COMP). In the following, references to Rw[iadl] apply to all these variables.

Respondents are asked about different IADL activities in Waves 1 and 2 then in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in all waves except Wave 2A. From Wave 3 forward, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map.

In Wave 2A and 2H, the questions are asked differently and result in different raw recodes. The Wave 2H variables are named as they are in other waves (R2[iadl], e.g., R2PHONE) and the Wave 2A variables recoded raw variables are named R2[iadl]R, e.g., R2PHONER. For HRS Respondents in Wave 2, the R2[iadl]R variables are set to .Q, and similarly, for AHEAD Respondents in Wave 2, the R2[iadl] variables are set to .Q.

To summarize, R1MCWV and R1COMP are available only in Wave 1; RwCALC is only available in Waves 1 and 2H; R2PHONE, R2MEDS, and R2MONEY are available for Wave 2H; R2PHONER, R2MEDSR, R2MONEYR, R2SHOPR, and R2MEALSR are available for Wave 2A; RwPHONE, RwMEDS, RwMONEY, RwSHOP and RwMEALS are available from Wave 3 forward; and RwMAP is available in all waves except Wave 2A.

In addition the categories for Rw[iadl] variables are uniquely different from other waves in Waves 1, 2H, and 2A.

The recodes vary across waves because the question and responses can vary across waves. In Wave 1, the HRS imputations are left in place. In all other waves don't know is recoded to special missing code .D and refused is recoded to .R.

In Wave 1 difficulty with an ADL is rated on a 4-point scale from no difficulty to very difficult/can't do. These are assigned without change. A "don't do" answer is recoded to 9.

In Wave 2H, the question asks if the Respondent has any difficulty with an IADL and if so, asks follow-up questions about the degree of difficulty. The raw variable codes both questions as one categorical variable. A "no" answer to the first question about any difficulty is recoded to 0, and the categorical levels of difficulty are recoded appropriately to "a little" and "a lot", or "don't know/refused how much." A "don't do" response is coded as 9.

In Wave 2A, except for managing money, the questions begin with "Are you able to do ... without help?" and, if the response is "Don't do", a follow-up question asks if this is because of a health problem. If the response to the first question is yes, then R2[iadl]R is set to 0, able to do without help. If the response is no, i.e., not able to do without help, R2[iadl]R is set to 1, unable to do without help. If the Respondent indicates that s/he doesn't do the activity because of a health problem, R2[iadl]R is set to 2, can't do. If it is not because of a health problem, R2[iadl]R is set to 9, doesn't do. The follow-up question about any difficulty was asked for these IADLS as a group, i.e., preparing meals, shopping for groceries, making telephone calls and taking medications all together. Because it is impossible to separate answers for specific IADLS, we don't use this question.

For managing money in Wave 2A, the initial question asks about being able to manage money without help. If the response is no, a follow-up question asks if this is because of a health problem. If the response to the first question is yes, then R2MONEYR is set to 0, able to do without help. If the response is no, and the Respondent indicates that it is because of a health problem, then R2MONEYR is set to 1, unable to do without help. If not because of a health problem then R2MONEYR is set to 9, doesn't do.

From Wave 3 forward there is just one question about difficulty using a map. RwMAP is set to 1 for any difficulty (yes), 0 for no difficulty, 2 for "can't do" response, 9 for "don't do," .D for don't know, .R for refuse, and .S if the question was not asked.

From Wave 3 forward for other activities, follow-up questions for "can't do" or "don't do" responses are used in deriving Rw[iadl]. Except for taking medications from Wave 4 forward, Rw[iadl] is derived as follows. If the Respondent answers yes or no to the first question about having any difficulty, then Rw[iadl] is set to 1 for yes, difficulty or 0 for no difficulty, respectively. A don't know or refuse response is set to .D or .R, respectively, and if the question is not answered, Rw[iadl] is set to .S. If the Respondent answers "can't do" or "don't do" to the first question, the second question that asks if it is because of a health problem is checked. If it is because of a health problem, Rw[iadl] is set to 2 for "can't do". If not, the answer is considered a "don't do" response and Rw[iadl] is set to 9.

From Wave 4 forward for taking medications, the recoding uses three questions. If the Respondent answers yes to the first question about having any difficulty, RwMEDS is set to 1 for some difficulty. If the answer is no, RwMEDS is set to 0. A don't know or refuse response is set to .D or .R, respectively, and if the question is not answered, Rw[iadl] is set to .S.

If the Respondent answers "don't do" to the first question, a second question asks if s/he would have difficulty if s/he took medications. If the answer is no, then RwMEDS is set to .Z to indicate the Respondent doesn't take medications but says s/he wouldn't have difficulty if s/he did.

If the answer to the second question is yes or if the Respondent answers "can't do" to the first question, a third question asks whether it is because of a health problem. If the answer is yes and the Respondent said "can't do" to the first question, RwMEDS is set to 2 for "can't do." If the answer is yes and the Respondent doesn't take medications but said s/he would have difficulty if s/he did, RwMEDS is set to 1 for "yes," difficulty. If the answer is no, it is considered a "don't do" response.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond then the variables are set to .V=Spouse is non-response.

There are other versions of the Rw[iadl] variables that recode to a yes/no measure for use in creating indices. One version of this variable is derived that attempts to code a consistent cross-wave yes/no dummy that indicates "some difficulty" (Rw[iadl]A). These are available from Wave 2 forward. Because of the inconsistent coding of the underlying HRS data, we do not construct R1[iadl]A variables in Wave 1. Please see the description of the Rw[iadl]A variables under "Instrumental activities of daily living (IADLs): Some difficulty" for this version. Rw[iadl]A variables are used to construct an IADL summary index. Please see "IADL Summary."

A third version of these variables are derived for Wave 1 only (R1[iadl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "IADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1MAPW, R1CALCW, R1MCWVW, and R1COMPW variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[iadl]A) solely due to measurement differences in the raw data. The R1[iadl]W variables are not appropriate for comparison to the Rw[iadl]A variables in other waves.

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves. Some measures described here are not normally used as IADLs but are included with them because they seemed to serve a similar measurement function in Wave 1. The IADL measures described here are: using the phone (RwPHONE), taking medications (RwMEDS), managing money (RwMONEY), shopping for groceries (RwSHOP), preparing meals (RwMEALS), using a map (RwMAP), using a calculator (RwCALC), using a microwave (R1MCWV), and using a computer (R1COMP).

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in all waves except Wave 2A. From Wave 3 forward, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map.

The question wording and answers also varied across waves. The Wave 1 questions ask:

"Here are some other activities that people may have difficulty with. How difficult is it for you to [...]?"

The Respondent can answer "not at all difficult," "a little difficult," "somewhat difficult," "very difficult/can't do," or "don't do." The answers translate into 4 codes from 1 for "not at all difficult" to 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The specific wording for the IADLs is: use a map to figure out how to get around a strange place, use a microwave oven after reading the instructions, use a calculator to help balance your checkbook, and use a computer or word processor.

In Wave 2H the question wording is similar to that in Wave 1 but is asked in 2 parts:

1) "Here are some other activities that people may have difficulty with. Do you have any difficulty with ...?" The Respondent can answer "yes" or "no."

2) [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, therefore are observed less frequently than in other waves, simply because of questionnaire differences. This difference is considerable among the IADLs. The specific wording for the IADLs is: using a map to figure out how to get around a strange place, using a calculator to help balance your checkbook, managing your money, making telephone calls, and following instructions for taking prescription medications.

In Wave 2A, the questions are asked differently for managing money and for other IADLs. The section is prefaced with the following:

"Here are a few other daily activities which some people have difficulty with. Please tell me whether you are able to do each activity without help from anyone else. If you don't do the activity at all, just tell me so."

Except for managing money, the IADL questions ask:

"Are you able to ... without help? [IF DON'T DO] Is that because of a health problem?"

If the Respondent reports being able to do any one of these activities without help, a question asks:

"Without help do you have any difficulty with [list of all applicable IADLs]?" [IF YES] "Is that a little or a lot of difficulty?"

The specific wording for these activities is: prepare(ing) hot meals, shop(ping) for groceries, make(ing) telephone calls, and take(ing) medications.

For managing money the Wave 2A questions ask:

- 1) "Do you manage your money-such as paying your bills and keeping track of expenses, without anyone's help?"
- 2) [IF NO] "Is that because of a health or memory condition?"
- 3) [IF YES, DK, or RF to Q1, or YES to Q2] "Do you have any difficulty managing your money (when someone is helping you/without help)?"
- 4) [IF YES to Q3] "Is that a little or a lot of difficulty?"

From Wave 3 forward, the question wording is again similar to that in Wave 1, but is prefaced with additional text. The question asks:

"Here are a few other activities which some people have difficulty with because of a physical, mental, emotional, or memory problem. Please tell me if you have any difficulty with each activity I name. If you don't do the activity at all, just tell me so. Exclude any difficulties you expect to last less than three months."

For using a map the question in Wave 3 is: "Do you have any difficulty using a map to figure out how to get around in a strange place?" From Wave 4 forward, this is prefaced with "Because of a health or memory problem...." Responses may be "yes," "no," "can't do," or "don't do."

For other IADLs, a series of questions may be asked:

- 1) "Because of a health or memory problem do you have any difficulty with ...?" The Respondent can answer "yes," "no," "can't do," or "don't do." In Wave 3, for taking medications, the wording for "don't do" is "don't take medications."
- 2) For taking medications, from Wave 4 forward, [If DON'T DO to Q1] "Do you think you would have any difficulty taking medications if you needed to do so?"
- 3) [If YES, DK, or RF to Q2 for taking medications from Wave 4 forward; CAN'T DO to Q1 for taking medications in Wave 3; or CAN'T DO or DON'T DO to Q1 for all other activities] "Is that because of a health or memory problem?" The Respondent can answer "yes" or "no." In Wave 3A, this question is also asked if the response to Q1 is "don't know" or "refuse." In Wave 3A and 3H, this question is skipped for a "don't take medications" response. From Wave 4 forward, whether the question is asked depends on the answer to Q2 for taking medications if Q1 had a "don't do" response.
- 4) [If YES, DK, or RF to Q1 or Q3] "Does anyone help you ...?" The Respondent can answer "yes" or "no." In Wave 3, this question is not asked for managing money when the Q1 response is DK or RF. From Wave 4 forward this question is not asked if the Respondent is living in a nursing home. In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the IADLs except help with medications and money.

The specific wording for these activities is: prepare(ing) a hot meal, shop(ping) for groceries, make(ing) phone calls, take(ing) medications, and manage(ing) your money – such as paying your bills and keeping track of expenses.

HRS Variables Used

HRS 1992:

V321	B5A:USE MAP, STRNG P:IMP
V322	B5B:USE MCRWV W/ INS:IMP
V323	B5C:USE CALCULATOR :IMP
V324	B5D:USE COMPUTER :IMP

AHEAD 1993:

B903A1	E52. IADL W/OUT HELP-PREPARE HOT MEAL
B903A2	E52. IADL W/OUT HELP-SHOP FOR GROCERIES
B903A3	E52. IADL W/OUT HELP-MAKE PHONE CALLS
B903A4	E52. IADL W/OUT HELP-TAKE MEDICATIONS
B904A1	E52a. IADL WHY DONT-PREPARE HOT MEALS
B904A2	E52a. IADL WHY DONT-SHOP FOR GROCERIES
B904A3	E52a. IADL WHY DONT-MAKE PHONE CALLS
B904A4	E52a. IADL WHY DONT-TAKE MEDICATIONS
B948	E57. IADL MONEY
B949	E57a. MONEY WHY CANT
HRS 1994:	
W323	B5.USING A MAP
W324	B5a.USING A CALCULATOR
W325	B5b.MANAGING MONEY
W326	B5c.MAKING TELEPHONE CAL
W327	B5d.TAKING PRESCRIPTION
AHEAD 1995:	
D2012	E93.MAPS
D2021	E95.IADL MEALS DIFF
D2023	E95B.MEALS -WHY DONT
D2026	E96.IADL GROC DIFF
D2028	E96B.GROC -WHY DONT
D2031	E97.IADLS PHONE DIFF
D2033	E97B.PHONE -WHY DONT
D2036	E98.IADLS MEDICATION DIFF
D2038	E98B.MED-WHY DONT
D2099	E106.IADL MONEY DIFF
D2100	E106A.MONEY HEALTH PROBLEM
HRS 1996:	
E2027	E93.MAPS
E2036	E95.IADL MEALS DIFF
E2038	E95B.MEALS -WHY DONT
E2041	E96.IADL GROC DIFF
E2043	E96B.GROC -WHY DONT
E2046	E97.IADLS PHONE DIFF
E2048	E97B.PHONE -WHY DONT
E2051	E98.IADLS MEDICATION DIFF
E2053	E98B.MED-WHY DONT
E2093	E106.IADL MONEY DIFF
E2094	E106A.MONEY HEALTH PROBLEM
HRS 1998:	
F2553	E93.MAPS
F2562	E95.IADL MEALS DIFF
F2564	E95B.MEALS -WHY DONT
F2567	E96.IADL GROC DIFF
F2569	E96B.GROC -WHY DONT
F2572	E97.IADLS PHONE DIFF
F2574	E97B.PHONE -WHY DONT
F2577	E98.IADLS MEDICATION DIFF
F2578	E98A
F2579	E98B.MED-WHY DONT
F2618	E106.IADL MONEY DIFF
F2619	E106A.MONEY HEALTH PROBLEM
HRS 2000:	
G2851	E93.MAPS
G2860	E95.IADL MEALS DIFF
G2862	E95B.MEALS -WHY DONT
G2865	E96.IADL GROC DIFF
G2867	E96B.GROC -WHY DONT

G2870	E97.IADLS PHONE DIFF
G2872	E97B.PHONE -WHY DONT
G2875	E98.IADLS MEDICATION DIFF
G2876	E98A.IADLS MED IF NEEDED DIFF
G2877	E98B.MED-WHY DONT
G2916	E106.IADL MONEY DIFF
G2917	E106A.MONEY HEALTH PROBLEM
HRS 2002-2016:	
xG040	DIFFICULTY- USING MAPS
xG041	IADL MEAL PREPARATION DIFFICULTY
xG042	WHY- MEAL PREPARATION DIFFICULTY
xG044	IADL GROC SHOP DIFFICULTY
xG045	WHY- GROC SHOP DIFFICULTY
xG047	IADL MAKING PHONE CALLS DIFFICULTY
xG048	WHY- MAKING PHONE CALLS DIFFICULTY
xG050	IADL TAKING MEDICATION DIFFICULTY
xG051	IADL TAKING MEDS IF NEEDED DIFFICULTY
xG052	WHY- TAKING MEDICATIONS DIFFICULTY
xG059	IADL MANAGING MONEY DIFFICULTY
xG060	WHY- MANAGING MONEY DIFFICULTY

Instrumental Activities of daily living (IADLs): Helped Before Death

Wave	Variable	Label	Type
E	REMEALSH	REMEALSH:EXIT R got help-Preparing hot meals	Categ
E	RESHOPH	RESHOPH:EXIT R got help-Shop for grocery	Categ
E	REPHONEH	REPHONEH:EXIT R got help-Use telephone	Categ
E	REMEDSH	REMEDSH:EXIT R got help-Take medications	Categ
E	REMONEYH	REMONEYH:EXIT R got help-Managing money	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
REMEALSH	8720	1.95	3.14	0.0	9.0
RESHOPH	8534	2.23	3.34	0.0	9.0
REPHONEH	13701	1.30	2.70	0.0	9.0
REMEDSH	9141	0.65	1.12	0.0	9.0
REMONEYH	13734	1.30	2.27	0.0	9.0

Categorical Variable Codes

REMEALSH: EXIT R got help-Preparing hot meals		
Value		
.D=DK	|	39
.M=Oth missing	|	236
.Q=Not asked this wv	|	175
.R=RF	|	5
.S=Skip	|	5090
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	3296
1.Yes	|	3686
2.Couldn't do	|	332
9.Didn't do	|	1406

 RESHOPH: EXIT R got help-Shop for grocery

Value	
.D=DK	46
.M=Oth missing	414
.Q=Not asked this wv	175
.R=RF	6
.S=Skip	5090
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	2983
1.Yes	3526
2.Couldn't do	386
9.Didn't do	1639

 REPHONEH: EXIT R got help-Use telephone

Value	
.D=DK	102
.M=Oth missing	11
.Q=Not asked this wv	175
.R=RF	6
.S=Skip	270
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	8140
1.Yes	3470
2.Couldn't do	644
9.Didn't do	1447

 REMEDSH: EXIT R got help-Take medications

Value	
.D=DK	56
.M=Oth missing	236
.Q=Not asked this wv	175
.R=RF	4
.S=Skip	4653
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	4302
1.Yes	4641
2.Couldn't do	71
9.Didn't do	127

REMONEYH: EXIT R got help-Managing money

Value		
.D=DK	|	68
.M=Oth missing	|	280
.Q=Not asked this wv	|	175
.R=RF	|	8
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	4569
1.Yes	|	7829
2.Couldn't do	|	292
9.Didn't do	|	1044

How Constructed

These variables recode the raw variables for whether the Respondent received help with instrumental activities of daily living (IADLs) in the last three months of life. The IADLs include help preparing hot meals (REMEALSH), shopping for groceries (RESHOPH), using the phone (REPHONEH), taking medication (REMEDSH), and managing money (REMONEYH).

When asked about whether the Respondent received help with ADLs, the proxy may reply that the Respondent couldn't do or didn't do the activity. A "couldn't do" response is set to 2 and a "didn't do" response is set to 9.

The questions about receiving help are not asked in Wave 2H. The variables RE[iadl]H are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

If the Respondent was living in a nursing home at the time of their death the IADL help questions are skipped and the variables RE[iadl]H are set to .S. From Waves 3 to 5, if the Respondent was bedridden around their time of death, the IADL help questions are skipped and the variables RE[iadl]H are set to .S. Bedridden is defined as spending 86 or more days in bed for more than half the day during the last three months before death. Please see "How Constructed" for REBEDRID for more information on bedridden status.

The exact wording for the IADLs in the help question is: preparing a hot meal; shopping for groceries; making phone calls; taking medications; managing your money - such as paying your bills and keeping track of expenses.

Cross Wave Differences in Original HRS Data

From Waves 3 to 5, these questions are skipped in the survey if the Respondent was bedridden around their time of death. From Wave 6 forward, these questions are asked even if the Respondent was bedridden around their time of death.

HRS Variables Used

AHEAD 1995:

N2011	E95x.IADL MEALS HELP
N2019	E96x.IADL GROC HELP
N2027	E97x.IADL PHONE HELP
N2035	E98x.IADL MED HELP
N2102	E106cx.IADL MONEY WHO HELP,1

HRS 1996:

P1549	E95x.IADL MEALS HELP
P1557	E96x.IADL GROC HELP
P1565	E97x.IADL PHONE HELP

P1573	E98x.IADL MED HELP
P1640	E106cx.IADL MONEY WHO HELP,1
HRS 1998:	
Q2010	E95x.IADL MEALS DIFF
Q2020	E96x.IADL GROC DIFF
Q2030	E97x.IADLS PHONE DIFF
Q2040	E98x.IADLS MEDICATION DIFF
Q2084	E106x.IADL MONEY DIFF
HRS 2000:	
R2002	E95x.IADL MEALS DIFF
R2012	E96x.IADL GROC DIFF
R2022	E97x.IADLS PHONE DIFF
R2032	E98x.IADLS MEDICATION DIFF
R2077	E106x.IADL MONEY DIFF
HRS 2002-2016:	
xG043	IADL MEAL PREPARATION HELP
xG046	IADL GROC SHOP HELP
xG049	IADL MAKING PHONE CALLS HELP
xG053	IADL TAKING MEDICATIONS HELP
xG061	IADL MANAGING MONEY HELP

Instrumental Activities of daily living (IADLs): Time Helped Before Death

Wave	Variable	Label	Type
E	REMEALST	REMEALST:EXIT Time R got help-Preparing hot meals	Cont
E	RESHOPT	RESHOPT:EXIT Time R got help-Shop for grocery	Cont
E	REPHONET	REPHONET:EXIT Time R got help-Use telephone	Cont
E	REMEDST	REMEDST:EXIT Time R got help-Take medications	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
REMEALST	4253	27.18	89.04	0.0	1158.0
RESHOPT	4496	26.14	66.80	-4.0	1104.0
REPHONET	4825	21.34	64.51	-9.0	1134.0
REMEDST	4568	17.24	40.55	0.0	1128.0

How Constructed

These variables indicate the amount of time, in months, that the Respondent was helped with instrumental activities of daily living (IADLs) prior to death. The IADLs include help preparing hot meals (REMEALSH), shopping for groceries (RESHOPH), using the phone (REPHONEH), taking medication (REMEDSH), and managing money (REMONEYH).

The proxy is asked how long the Respondent needed help with an IADL if the Respondent received help for that ADL in their last three months of life, or if the Respondent couldn't do or didn't do that IADL.

Proxies who answer the amount of time question can answer in 4 different ways. Responses can be of the form (1) Number of Months Helped; (2) Number of Years Helped; (3) Age Received Help Since; (4) Year Received Help Since. The variables RE[iadl]T are reported in number of months. If the proxy reports Number of Months, this value is used. If the proxy reports Number of Years, this value divided by 12 is used.

If the proxy reports Since Age, the date started receiving help is calculated as the day the Respondent turned that age. If the proxy reports Since Year, the date started receiving help is calculated as January 1 of that year. These dates are then compared to the death date of the Respondent.

If the proxy didn't report that the Respondent had difficulty with, didn't do or couldn't do the corresponding IADL, the IADL time question is skipped and the variable RE[iadl]T is set to .S.

The questions about length of time needing help are not asked in Wave 2H. The variables RE[iadl]T are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

Cross Wave Differences in Original HRS Data

In Wave 2H, proxies are not asked questions about length of time Respondents needed help with IADLs; therefore, RE[iadl]T variables are set to .Q if the Respondent's Exit Interview took place in Wave 2H.

HRS Variables Used

Exit Interview Variables

AHEAD 1995:

N2014	E95gx.MEAL HELP WHEN
N2015	E95hx.MEAL YEARS
N2016	E95hx.MEAL SINCE AGE
N2017	E95hx.MEAL SINCE YEAR
N2022	E96gx.SHOP HELP WHEN
N2023	E96hx.SHOP YEARS
N2024	E96hx.SHOP SINCE AGE
N2025	E96hx.SHOP SINCE YEAR
N2030	E97gx.PHONE HELP WHEN
N2031	E97hx.PHONE YEARS
N2032	E97hx.PHONE SINCE AGE
N2033	E97hx.PHONE SINCE YEAR
N2038	E98gx.MEDICATION HELP WHEN
N2039	E98hx.MEDICATION YEARS
N2040	E98hx.MEDICATION SINCE AGE
N2041	E98hx.MEDICATION SINCE YEAR

HRS 1996:

P1552	E95gx.MEAL HELP WHEN
P1553	E95hx.MEAL YEARS
P1554	E95hx.MEAL SINCE AGE
P1555	E95hx.MEAL SINCE YEAR
P1560	E96gx.SHOP HELP WHEN
P1561	E96hx.SHOP YEARS
P1562	E96hx.SHOP SINCE AGE
P1563	E96hx.SHOP SINCE YEAR
P1568	E97gx.PHONE HELP WHEN
P1569	E97hx.PHONE YEARS
P1570	E97hx.PHONE SINCE AGE
P1571	E97hx.PHONE SINCE YEAR
P1576	E98gx.MEDICATION HELP WHEN
P1577	E98hx.MEDICATION YEARS
P1578	E98hx.MEDICATION SINCE AGE
P1579	E98hx.MEDICATION SINCE YEAR

HRS 1998:

Q2013	E95gx.MEALS HELP WHEN
Q2014	E95hx.MEALS YEARS
Q2015	E95hx.MEALS SINCE AGE
Q2016	E95hx.MEALS SINCE YEAR
Q2023	E96gx.GROC HELP WHEN
Q2024	E96hx.GROC YEARS
Q2025	E96hx.GROC SINCE AGE
Q2026	E96hx.GROC SINCE YEAR
Q2033	E97gx.PHONE HELP WHEN
Q2034	E97hx.PHONE YEARS
Q2035	E97hx.PHONE SINCE AGE
Q2036	E97hx.PHONE SINCE YEAR
Q2042	E98gx.MED HELP WHEN
Q2043	E98hx.MED YEARS
Q2044	E98hx.MED SINCE AGE
Q2045	E98hx.MED SINCE YEAR

HRS 2000:

R2005	E95gx.MEALS HELP WHEN
R2006	E95hx.MEALS YEARS
R2007	E95hax.MEALS SINCE AGE
R2008	E95hbx.MEALS SINCE YEAR

R2015	E96gx.GROC HELP WHEN
R2016	E96hx.GROC YEARS
R2017	E96hax.GROC SINCE AGE
R2018	E96hbx.GROC SINCE YEAR
R2025	E97gx.PHONE HELP WHEN
R2026	E97hx.PHONE YEARS
R2027	E97hax.PHONE SINCE AGE
R2028	E97hbx.PHONE SINCE YEAR
R2034	E98gx.MED HELP WHEN
R2035	E98hx.MED YEARS
R2036	E98hax.MED SINCE AGE
R2037	E98hbx.MED SINCE YEAR
HRS 2002-2016:	
xG153	HELP HOT MEALS- MONTHS
xG154	HELP HOT MEALS- YEARS
xG155	HELP HOT MEALS- SINCE AGE
xG156	HELP HOT MEALS- SINCE YEAR
xG157	HELP GROC SHOPPING- MONTHS
xG158	HELP GROC SHOPPING- YEARS
xG159	HELP GROC SHOPPING- SINCE AGE
xG160	HELP GROC SHOPPING- SINCE YEAR
xG162	HELP PHONE CALLS- MONTHS
xG163	HELP PHONE CALLS- YEARS
xG164	HELP PHONE CALLS- SINCE AGE
xG165	HELP PHONE CALLS- SINCE YEAR
xG166	HELP W/ MEDICATION- MONTHS
xG167	HELP W/ MEDICATION- YEARS
xG168	HELP W/ MEDICATION- SINCE AGE
xG169	HELP W/ MEDICATION- SINCE YEAR

Instrumental activities of daily living (IADLs): Some difficulty

Wave	Variable	Label	Type
2	R2MAPA	R2MAPA:W2 R Some Diff-Use a map	Categ
3	R3MAPA	R3MAPA:W3 R Some Diff-Use a map	Categ
4	R4MAPA	R4MAPA:W4 R Some Diff-Use a map	Categ
5	R5MAPA	R5MAPA:W5 R Some Diff-Use a map	Categ
6	R6MAPA	R6MAPA:W6 R Some Diff-Use a map	Categ
7	R7MAPA	R7MAPA:W7 R Some Diff-Use a map	Categ
8	R8MAPA	R8MAPA:W8 R Some Diff-Use a map	Categ
9	R9MAPA	R9MAPA:W9 R Some Diff-Use a map	Categ
10	R10MAPA	R10MAPA:W10 R Some Diff-Use a map	Categ
11	R11MAPA	R11MAPA:W11 R Some Diff-Use a map	Categ
12	R12MAPA	R12MAPA:W12 R Some Diff-Use a map	Categ
13	R13MAPA	R13MAPA:W13 R Some Diff-Use a map	Categ
2	S2MAPA	S2MAPA:W2 S Some Diff-Use a map	Categ
3	S3MAPA	S3MAPA:W3 S Some Diff-Use a map	Categ
4	S4MAPA	S4MAPA:W4 S Some Diff-Use a map	Categ
5	S5MAPA	S5MAPA:W5 S Some Diff-Use a map	Categ
6	S6MAPA	S6MAPA:W6 S Some Diff-Use a map	Categ
7	S7MAPA	S7MAPA:W7 S Some Diff-Use a map	Categ
8	S8MAPA	S8MAPA:W8 S Some Diff-Use a map	Categ
9	S9MAPA	S9MAPA:W9 S Some Diff-Use a map	Categ
10	S10MAPA	S10MAPA:W10 S Some Diff-Use a map	Categ
11	S11MAPA	S11MAPA:W11 S Some Diff-Use a map	Categ
12	S12MAPA	S12MAPA:W12 S Some Diff-Use a map	Categ
13	S13MAPA	S13MAPA:W13 S Some Diff-Use a map	Categ
2	R2CALCA	R2CALCA:W2 R Some Diff-Use a calculator	Categ
2	S2CALCA	S2CALCA:W2 S Some Diff-Use a calculator	Categ
2	R2PHONEA	R2PHONEA:W2 R Some Diff-Use telephone	Categ
3	R3PHONEA	R3PHONEA:W3 R Some Diff-Use telephone	Categ
4	R4PHONEA	R4PHONEA:W4 R Some Diff-Use telephone	Categ
5	R5PHONEA	R5PHONEA:W5 R Some Diff-Use telephone	Categ
6	R6PHONEA	R6PHONEA:W6 R Some Diff-Use telephone	Categ
7	R7PHONEA	R7PHONEA:W7 R Some Diff-Use telephone	Categ
8	R8PHONEA	R8PHONEA:W8 R Some Diff-Use telephone	Categ
9	R9PHONEA	R9PHONEA:W9 R Some Diff-Use telephone	Categ
10	R10PHONEA	R10PHONEA:W10 R Some Diff-Use telephone	Categ
11	R11PHONEA	R11PHONEA:W11 R Some Diff-Use telephone	Categ
12	R12PHONEA	R12PHONEA:W12 R Some Diff-Use telephone	Categ
13	R13PHONEA	R13PHONEA:W13 R Some Diff-Use telephone	Categ
2	S2PHONEA	S2PHONEA:W2 S Some Diff-Use telephone	Categ
3	S3PHONEA	S3PHONEA:W3 S Some Diff-Use telephone	Categ
4	S4PHONEA	S4PHONEA:W4 S Some Diff-Use telephone	Categ
5	S5PHONEA	S5PHONEA:W5 S Some Diff-Use telephone	Categ
6	S6PHONEA	S6PHONEA:W6 S Some Diff-Use telephone	Categ
7	S7PHONEA	S7PHONEA:W7 S Some Diff-Use telephone	Categ
8	S8PHONEA	S8PHONEA:W8 S Some Diff-Use telephone	Categ
9	S9PHONEA	S9PHONEA:W9 S Some Diff-Use telephone	Categ
10	S10PHONEA	S10PHONEA:W10 S Some Diff-Use telephone	Categ
11	S11PHONEA	S11PHONEA:W11 S Some Diff-Use telephone	Categ
12	S12PHONEA	S12PHONEA:W12 S Some Diff-Use telephone	Categ
13	S13PHONEA	S13PHONEA:W13 S Some Diff-Use telephone	Categ
2	R2MONEYA	R2MONEYA:W2 R Some Diff-Managing money	Categ
3	R3MONEYA	R3MONEYA:W3 R Some Diff-Managing money	Categ
4	R4MONEYA	R4MONEYA:W4 R Some Diff-Managing money	Categ
5	R5MONEYA	R5MONEYA:W5 R Some Diff-Managing money	Categ
6	R6MONEYA	R6MONEYA:W6 R Some Diff-Managing money	Categ
7	R7MONEYA	R7MONEYA:W7 R Some Diff-Managing money	Categ
8	R8MONEYA	R8MONEYA:W8 R Some Diff-Managing money	Categ
9	R9MONEYA	R9MONEYA:W9 R Some Diff-Managing money	Categ
10	R10MONEYA	R10MONEYA:W10 R Some Diff-Managing money	Categ
11	R11MONEYA	R11MONEYA:W11 R Some Diff-Managing money	Categ

12	R12MONEYA	R12MONEYA:W12	R Some Diff-Managing money	Categ
13	R13MONEYA	R13MONEYA:W13	R Some Diff-Managing money	Categ
2	S2MONEYA	S2MONEYA:W2	S Some Diff-Managing money	Categ
3	S3MONEYA	S3MONEYA:W3	S Some Diff-Managing money	Categ
4	S4MONEYA	S4MONEYA:W4	S Some Diff-Managing money	Categ
5	S5MONEYA	S5MONEYA:W5	S Some Diff-Managing money	Categ
6	S6MONEYA	S6MONEYA:W6	S Some Diff-Managing money	Categ
7	S7MONEYA	S7MONEYA:W7	S Some Diff-Managing money	Categ
8	S8MONEYA	S8MONEYA:W8	S Some Diff-Managing money	Categ
9	S9MONEYA	S9MONEYA:W9	S Some Diff-Managing money	Categ
10	S10MONEYA	S10MONEYA:W10	S Some Diff-Managing money	Categ
11	S11MONEYA	S11MONEYA:W11	S Some Diff-Managing money	Categ
12	S12MONEYA	S12MONEYA:W12	S Some Diff-Managing money	Categ
13	S13MONEYA	S13MONEYA:W13	S Some Diff-Managing money	Categ
2	R2MEDSA	R2MEDSA:W2	R Some Diff-Take medications	Categ
3	R3MEDSA	R3MEDSA:W3	R Some Diff-Take medications	Categ
4	R4MEDSA	R4MEDSA:W4	R Some Diff-Take medications	Categ
5	R5MEDSA	R5MEDSA:W5	R Some Diff-Take medications	Categ
6	R6MEDSA	R6MEDSA:W6	R Some Diff-Take medications	Categ
7	R7MEDSA	R7MEDSA:W7	R Some Diff-Take medications	Categ
8	R8MEDSA	R8MEDSA:W8	R Some Diff-Take medications	Categ
9	R9MEDSA	R9MEDSA:W9	R Some Diff-Take medications	Categ
10	R10MEDSA	R10MEDSA:W10	R Some Diff-Take medications	Categ
11	R11MEDSA	R11MEDSA:W11	R Some Diff-Take medications	Categ
12	R12MEDSA	R12MEDSA:W12	R Some Diff-Take medications	Categ
13	R13MEDSA	R13MEDSA:W13	R Some Diff-Take medications	Categ
2	S2MEDSA	S2MEDSA:W2	S Some Diff-Take medications	Categ
3	S3MEDSA	S3MEDSA:W3	S Some Diff-Take medications	Categ
4	S4MEDSA	S4MEDSA:W4	S Some Diff-Take medications	Categ
5	S5MEDSA	S5MEDSA:W5	S Some Diff-Take medications	Categ
6	S6MEDSA	S6MEDSA:W6	S Some Diff-Take medications	Categ
7	S7MEDSA	S7MEDSA:W7	S Some Diff-Take medications	Categ
8	S8MEDSA	S8MEDSA:W8	S Some Diff-Take medications	Categ
9	S9MEDSA	S9MEDSA:W9	S Some Diff-Take medications	Categ
10	S10MEDSA	S10MEDSA:W10	S Some Diff-Take medications	Categ
11	S11MEDSA	S11MEDSA:W11	S Some Diff-Take medications	Categ
12	S12MEDSA	S12MEDSA:W12	S Some Diff-Take medications	Categ
13	S13MEDSA	S13MEDSA:W13	S Some Diff-Take medications	Categ
2	R2SHOPA	R2SHOPA:W2	R Some Diff-Shop for grocery	Categ
3	R3SHOPA	R3SHOPA:W3	R Some Diff-Shop for grocery	Categ
4	R4SHOPA	R4SHOPA:W4	R Some Diff-Shop for grocery	Categ
5	R5SHOPA	R5SHOPA:W5	R Some Diff-Shop for grocery	Categ
6	R6SHOPA	R6SHOPA:W6	R Some Diff-Shop for grocery	Categ
7	R7SHOPA	R7SHOPA:W7	R Some Diff-Shop for grocery	Categ
8	R8SHOPA	R8SHOPA:W8	R Some Diff-Shop for grocery	Categ
9	R9SHOPA	R9SHOPA:W9	R Some Diff-Shop for grocery	Categ
10	R10SHOPA	R10SHOPA:W10	R Some Diff-Shop for grocery	Categ
11	R11SHOPA	R11SHOPA:W11	R Some Diff-Shop for grocery	Categ
12	R12SHOPA	R12SHOPA:W12	R Some Diff-Shop for grocery	Categ
13	R13SHOPA	R13SHOPA:W13	R Some Diff-Shop for grocery	Categ
2	S2SHOPA	S2SHOPA:W2	S Some Diff-Shop for grocery	Categ
3	S3SHOPA	S3SHOPA:W3	S Some Diff-Shop for grocery	Categ
4	S4SHOPA	S4SHOPA:W4	S Some Diff-Shop for grocery	Categ
5	S5SHOPA	S5SHOPA:W5	S Some Diff-Shop for grocery	Categ
6	S6SHOPA	S6SHOPA:W6	S Some Diff-Shop for grocery	Categ
7	S7SHOPA	S7SHOPA:W7	S Some Diff-Shop for grocery	Categ
8	S8SHOPA	S8SHOPA:W8	S Some Diff-Shop for grocery	Categ
9	S9SHOPA	S9SHOPA:W9	S Some Diff-Shop for grocery	Categ
10	S10SHOPA	S10SHOPA:W10	S Some Diff-Shop for grocery	Categ
11	S11SHOPA	S11SHOPA:W11	S Some Diff-Shop for grocery	Categ
12	S12SHOPA	S12SHOPA:W12	S Some Diff-Shop for grocery	Categ
13	S13SHOPA	S13SHOPA:W13	S Some Diff-Shop for grocery	Categ
2	R2MEALSA	R2MEALSA:W2	R Some Diff-Prepare hot meal	Categ
3	R3MEALSA	R3MEALSA:W3	R Some Diff-Prepare hot meal	Categ
4	R4MEALSA	R4MEALSA:W4	R Some Diff-Prepare hot meal	Categ
5	R5MEALSA	R5MEALSA:W5	R Some Diff-Prepare hot meal	Categ

6	R6MEALSA	R6MEALSA:W6	R	Some	Diff-Prepare	hot meal	Categ
7	R7MEALSA	R7MEALSA:W7	R	Some	Diff-Prepare	hot meal	Categ
8	R8MEALSA	R8MEALSA:W8	R	Some	Diff-Prepare	hot meal	Categ
9	R9MEALSA	R9MEALSA:W9	R	Some	Diff-Prepare	hot meal	Categ
10	R10MEALSA	R10MEALSA:W10	R	Some	Diff-Prepare	hot meal	Categ
11	R11MEALSA	R11MEALSA:W11	R	Some	Diff-Prepare	hot meal	Categ
12	R12MEALSA	R12MEALSA:W12	R	Some	Diff-Prepare	hot meal	Categ
13	R13MEALSA	R13MEALSA:W13	R	Some	Diff-Prepare	hot meal	Categ
2	S2MEALSA	S2MEALSA:W2	S	Some	Diff-Prepare	hot meal	Categ
3	S3MEALSA	S3MEALSA:W3	S	Some	Diff-Prepare	hot meal	Categ
4	S4MEALSA	S4MEALSA:W4	S	Some	Diff-Prepare	hot meal	Categ
5	S5MEALSA	S5MEALSA:W5	S	Some	Diff-Prepare	hot meal	Categ
6	S6MEALSA	S6MEALSA:W6	S	Some	Diff-Prepare	hot meal	Categ
7	S7MEALSA	S7MEALSA:W7	S	Some	Diff-Prepare	hot meal	Categ
8	S8MEALSA	S8MEALSA:W8	S	Some	Diff-Prepare	hot meal	Categ
9	S9MEALSA	S9MEALSA:W9	S	Some	Diff-Prepare	hot meal	Categ
10	S10MEALSA	S10MEALSA:W10	S	Some	Diff-Prepare	hot meal	Categ
11	S11MEALSA	S11MEALSA:W11	S	Some	Diff-Prepare	hot meal	Categ
12	S12MEALSA	S12MEALSA:W12	S	Some	Diff-Prepare	hot meal	Categ
13	S13MEALSA	S13MEALSA:W13	S	Some	Diff-Prepare	hot meal	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MAPA	11302	0.21	0.41	0.0	1.0
R3MAPA	15422	0.18	0.38	0.0	1.0
R4MAPA	18519	0.13	0.33	0.0	1.0
R5MAPA	16788	0.13	0.34	0.0	1.0
R6MAPA	15757	0.14	0.34	0.0	1.0
R7MAPA	17533	0.13	0.33	0.0	1.0
R8MAPA	16258	0.14	0.35	0.0	1.0
R9MAPA	15094	0.14	0.34	0.0	1.0
R10MAPA	20248	0.14	0.35	0.0	1.0
R11MAPA	19010	0.15	0.35	0.0	1.0
R12MAPA	17423	0.16	0.37	0.0	1.0
R13MAPA	19596	0.14	0.35	0.0	1.0
S2MAPA	8673	0.19	0.39	0.0	1.0
S3MAPA	10837	0.15	0.36	0.0	1.0
S4MAPA	12737	0.10	0.30	0.0	1.0
S5MAPA	11493	0.10	0.30	0.0	1.0
S6MAPA	10668	0.11	0.31	0.0	1.0
S7MAPA	11889	0.10	0.30	0.0	1.0
S8MAPA	10799	0.10	0.31	0.0	1.0
S9MAPA	9861	0.10	0.31	0.0	1.0
S10MAPA	12814	0.11	0.32	0.0	1.0
S11MAPA	11917	0.11	0.32	0.0	1.0
S12MAPA	10536	0.13	0.33	0.0	1.0
S13MAPA	11327	0.11	0.31	0.0	1.0
R2CALCA	11052	0.09	0.29	0.0	1.0
S2CALCA	8479	0.08	0.27	0.0	1.0
R2PHONEA	19586	0.04	0.19	0.0	1.0
R3PHONEA	17848	0.05	0.22	0.0	1.0
R4PHONEA	21234	0.05	0.22	0.0	1.0
R5PHONEA	19425	0.05	0.22	0.0	1.0

R6PHONEA	18060	0.06	0.23	0.0	1.0
R7PHONEA	20002	0.05	0.22	0.0	1.0
R8PHONEA	18374	0.05	0.23	0.0	1.0
R9PHONEA	17111	0.06	0.23	0.0	1.0
R10PHONEA	21835	0.06	0.23	0.0	1.0
R11PHONEA	20470	0.06	0.23	0.0	1.0
R12PHONEA	18678	0.06	0.24	0.0	1.0
R13PHONEA	20828	0.05	0.22	0.0	1.0
S2PHONEA	13061	0.03	0.17	0.0	1.0
S3PHONEA	11851	0.04	0.19	0.0	1.0
S4PHONEA	13910	0.04	0.20	0.0	1.0
S5PHONEA	12653	0.04	0.19	0.0	1.0
S6PHONEA	11592	0.04	0.19	0.0	1.0
S7PHONEA	12912	0.03	0.18	0.0	1.0
S8PHONEA	11686	0.04	0.19	0.0	1.0
S9PHONEA	10591	0.04	0.19	0.0	1.0
S10PHONEA	13400	0.04	0.20	0.0	1.0
S11PHONEA	12452	0.04	0.19	0.0	1.0
S12PHONEA	10979	0.04	0.20	0.0	1.0
S13PHONEA	11746	0.04	0.19	0.0	1.0
R2MONEYA	18864	0.07	0.26	0.0	1.0
R3MONEYA	17413	0.07	0.26	0.0	1.0
R4MONEYA	20730	0.07	0.25	0.0	1.0
R5MONEYA	18930	0.07	0.26	0.0	1.0
R6MONEYA	17572	0.08	0.27	0.0	1.0
R7MONEYA	19373	0.07	0.26	0.0	1.0
R8MONEYA	17758	0.08	0.27	0.0	1.0
R9MONEYA	16573	0.08	0.27	0.0	1.0
R10MONEYA	21290	0.09	0.29	0.0	1.0
R11MONEYA	20024	0.08	0.28	0.0	1.0
R12MONEYA	18255	0.09	0.29	0.0	1.0
R13MONEYA	20441	0.08	0.28	0.0	1.0
S2MONEYA	12524	0.05	0.23	0.0	1.0
S3MONEYA	11450	0.04	0.21	0.0	1.0
S4MONEYA	13486	0.04	0.20	0.0	1.0
S5MONEYA	12217	0.04	0.20	0.0	1.0
S6MONEYA	11167	0.04	0.21	0.0	1.0
S7MONEYA	12383	0.04	0.20	0.0	1.0
S8MONEYA	11177	0.05	0.21	0.0	1.0
S9MONEYA	10158	0.05	0.21	0.0	1.0
S10MONEYA	12962	0.06	0.24	0.0	1.0
S11MONEYA	12100	0.06	0.23	0.0	1.0
S12MONEYA	10640	0.06	0.24	0.0	1.0
S13MONEYA	11456	0.06	0.23	0.0	1.0
R2MEDSA	19417	0.04	0.19	0.0	1.0
R3MEDSA	16707	0.04	0.20	0.0	1.0
R4MEDSA	20032	0.04	0.20	0.0	1.0
R5MEDSA	18521	0.04	0.20	0.0	1.0
R6MEDSA	17769	0.05	0.21	0.0	1.0
R7MEDSA	19682	0.04	0.20	0.0	1.0
R8MEDSA	18197	0.05	0.21	0.0	1.0
R9MEDSA	17003	0.05	0.22	0.0	1.0
R10MEDSA	21592	0.05	0.21	0.0	1.0
R11MEDSA	20275	0.05	0.22	0.0	1.0
R12MEDSA	18476	0.05	0.22	0.0	1.0

R13MEDSA	20634	0.05	0.21	0.0	1.0
S2MEDSA	12970	0.03	0.18	0.0	1.0
S3MEDSA	11067	0.03	0.17	0.0	1.0
S4MEDSA	13116	0.03	0.17	0.0	1.0
S5MEDSA	12039	0.03	0.17	0.0	1.0
S6MEDSA	11411	0.03	0.17	0.0	1.0
S7MEDSA	12732	0.03	0.17	0.0	1.0
S8MEDSA	11584	0.03	0.18	0.0	1.0
S9MEDSA	10541	0.03	0.18	0.0	1.0
S10MEDSA	13265	0.03	0.18	0.0	1.0
S11MEDSA	12341	0.03	0.18	0.0	1.0
S12MEDSA	10871	0.03	0.18	0.0	1.0
S13MEDSA	11652	0.03	0.18	0.0	1.0
R2SHOPA	7992	0.18	0.39	0.0	1.0
R3SHOPA	17312	0.11	0.31	0.0	1.0
R4SHOPA	20626	0.10	0.31	0.0	1.0
R5SHOPA	18826	0.11	0.31	0.0	1.0
R6SHOPA	17507	0.11	0.31	0.0	1.0
R7SHOPA	19389	0.10	0.31	0.0	1.0
R8SHOPA	17863	0.11	0.32	0.0	1.0
R9SHOPA	16682	0.11	0.31	0.0	1.0
R10SHOPA	21514	0.11	0.31	0.0	1.0
R11SHOPA	20209	0.11	0.32	0.0	1.0
R12SHOPA	18438	0.12	0.32	0.0	1.0
R13SHOPA	20577	0.11	0.31	0.0	1.0
S2SHOPA	4209	0.13	0.34	0.0	1.0
S3SHOPA	11439	0.07	0.26	0.0	1.0
S4SHOPA	13490	0.07	0.25	0.0	1.0
S5SHOPA	12236	0.07	0.25	0.0	1.0
S6SHOPA	11210	0.07	0.25	0.0	1.0
S7SHOPA	12484	0.07	0.25	0.0	1.0
S8SHOPA	11343	0.08	0.26	0.0	1.0
S9SHOPA	10327	0.07	0.26	0.0	1.0
S10SHOPA	13222	0.07	0.26	0.0	1.0
S11SHOPA	12305	0.08	0.27	0.0	1.0
S12SHOPA	10850	0.08	0.27	0.0	1.0
S13SHOPA	11613	0.08	0.27	0.0	1.0
R2MEALSA	7785	0.10	0.30	0.0	1.0
R3MEALSA	16981	0.07	0.26	0.0	1.0
R4MEALSA	20244	0.07	0.26	0.0	1.0
R5MEALSA	18465	0.08	0.27	0.0	1.0
R6MEALSA	17115	0.08	0.28	0.0	1.0
R7MEALSA	19063	0.08	0.26	0.0	1.0
R8MEALSA	17612	0.08	0.27	0.0	1.0
R9MEALSA	16449	0.08	0.27	0.0	1.0
R10MEALSA	21329	0.08	0.27	0.0	1.0
R11MEALSA	20023	0.08	0.28	0.0	1.0
R12MEALSA	18326	0.08	0.28	0.0	1.0
R13MEALSA	20470	0.08	0.27	0.0	1.0
S2MEALSA	4010	0.08	0.28	0.0	1.0
S3MEALSA	11121	0.05	0.21	0.0	1.0
S4MEALSA	13129	0.05	0.21	0.0	1.0
S5MEALSA	11906	0.05	0.22	0.0	1.0
S6MEALSA	10880	0.05	0.22	0.0	1.0

S7MEALSA	12208	0.05	0.21	0.0	1.0
S8MEALSA	11160	0.05	0.22	0.0	1.0
S9MEALSA	10132	0.05	0.22	0.0	1.0
S10MEALSA	13080	0.05	0.22	0.0	1.0
S11MEALSA	12177	0.06	0.23	0.0	1.0
S12MEALSA	10757	0.06	0.23	0.0	1.0
S13MEALSA	11556	0.05	0.22	0.0	1.0

Categorical Variable Codes

RwMAPA: R Some Diff-Use a map

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		18	8	18	14	18	10	15	14	31
.Q=Not asked this wv	|		8222								
.R=RF	|		2	4	6	3		6	3	3	6
.S=Skip	|			36	28	24	7	10	7	9	135
.X=Don't do	|		98	2521	2813	2749	2383	2570	2186	2097	1614
0.No	|		8949	12656	16175	14613	13596	15287	14013	13038	17338
1.Yes	|		2353	2766	2344	2175	2161	2246	2245	2056	2910

Value		w11	w12	w13
.D=DK/NA	|	36	34	39
.Q=Not asked this wv	|			
.R=RF	|	7	9	7
.S=Skip	|	18	17	37
.X=Don't do	|	1483	1264	1233
0.No	|	16252	14600	16811
1.Yes	|	2758	2823	2785

SwMAPA: S Some Diff-Use a map

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		12	3	6	5	10	4	7	7	8
.Q=Not asked this wv	|		4549								
.R=RF	|		2	2	1	1		4	3	1	3
.S=Skip	|			11	7	5	3	1	1	2	81
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		384	417	536	311	220	380	317	365	722
.X=Don't do	|		54	1064	1229	1226	958	1074	925	775	607
0.No	|		7037	9226	11467	10334	9533	10712	9673	8835	11361
1.Yes	|		1636	1611	1270	1159	1135	1177	1126	1026	1453

Value		w11	w12	w13
.D=DK/NA	|	17	13	16
.Q=Not asked this wv	|			
.R=RF	|	2	3	2
.S=Skip	|	4	4	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	548	456	427
0.No	|	10566	9206	10088
1.Yes	|	1351	1330	1239

R2CALCA: R Some Diff-Use a calculator

Value	|	w2
.D=DK/NA	|	19
.Q=Not asked this wv	|	8222
.R=RF	|	3
.X=Don't do	|	346
0.No	|	10050
1.Yes	|	1002

S2CALCA: S Some Diff-Use a calculator

Value	|	w2
.D=DK/NA	|	16
.Q=Not asked this wv	|	4549
.R=RF	|	3
.U=Unmarried	|	5968
.V=Spouse NR	|	384
.X=Don't do	|	243
0.No	|	7808
1.Yes	|	671

RwPHONEA: R Some Diff-Use telephone

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3	1	4	2	1	4	3	5	3
.M=Oth missing	|		1								
.R=RF	|		3	3	3	2		6	2	1	4
.S=Skip	|			36	28	24	7	10	7	9	135
.X=Don't do	|		49	103	115	125	97	107	83	91	57
0.No	|		18862	16925	20118	18418	17019	18978	17372	16137	20574
1.Yes	|		724	923	1116	1007	1041	1024	1002	974	1261

Value	|	w11	w12	w13
.D=DK/NA	|	6	5	4
.M=Oth missing	|			
.R=RF	|	1	1	4
.S=Skip	|	18	17	37
.X=Don't do	|	59	46	39
0.No	|	19292	17545	19782
1.Yes	|	1178	1133	1046

SwPHONEA: S Some Diff-Use telephone

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				1			1		4	3
.M=Oth missing		1								
.R=RF		3	2		1		4	1	1	2
.S=Skip			11	7	5	3	1	1	2	81
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
.X=Don't do		25	53	62	71	44	54	47	48	27
0.No		12654	11391	13356	12192	11141	12477	11243	10189	12849
1.Yes		407	460	554	461	451	435	443	402	551

Value	w11	w12	w13
.D=DK/NA	2	2	2
.M=Oth missing			
.R=RF			2
.S=Skip	4	4	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	30	27	22
0.No	11961	10510	11323
1.Yes	491	469	423

RwMONEYA: R Some Diff-Managing money

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		5	1	3	4	3	4	3	3	9
.M=Oth missing		4	1							
.R=RF		4	3	4	2	3	8	3	2	10
.S=Skip			36	28	25	7	10	7	9	135
.X=Don't do		765	537	619	617	580	734	698	630	590
0.No		17539	16166	19305	17562	16196	17980	16377	15225	19379
1.Yes		1325	1247	1425	1368	1376	1393	1381	1348	1911

Value	w11	w12	w13
.D=DK/NA	9	10	17
.M=Oth missing			
.R=RF	4	4	7
.S=Skip	18	17	37
.X=Don't do	499	461	410
0.No	18323	16560	18751
1.Yes	1701	1695	1690

SwMONEYA: S Some Diff-Managing money

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4		1	2	2	1	1	1	5
.M=Oth missing		2	1							
.R=RF		3	2		1	3	4	2	2	4
.S=Skip			11	7	6	3	1	1	2	81
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
.X=Don't do		557	453	486	504	464	583	554	483	461
0.No		11842	10939	12907	11700	10667	11840	10666	9692	12168
1.Yes		682	511	579	517	500	543	511	466	794

Value	w11	w12	w13
.D=DK/NA	2	3	7
.M=Oth missing			
.R=RF			4
.S=Skip	4	4	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	382	365	305
0.No	11408	9975	10811
1.Yes	692	665	645

RwMEDSA: R Some Diff-Take medications

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4	1	6	2	6	6	2		3
.M=Oth missing		1								
.R=RF		2	4	4	2		4	3	1	6
.S=Skip			36	28	24	7	36	7	9	135
.X=Don't do		218	1243	36	24	7	14	9	9	30
.Z=Don't do/No if did				1278	1005	376	387	251	195	268
0.No		18674	16009	19211	17732	16962	18829	17322	16149	20552
1.Yes		743	698	821	789	807	853	875	854	1040

Value	w11	w12	w13
.D=DK/NA	7	5	5
.M=Oth missing			
.R=RF	3	1	3
.S=Skip	18	17	37
.X=Don't do	16	25	31
.Z=Don't do/No if did	235	223	202
0.No	19282	17520	19671
1.Yes	993	956	963

SwMEDSA: S Some Diff-Take medications

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4		3			2			
.M=Oth missing		1								
.R=RF		2	2		1		2	2	1	3
.S=Skip			11	7	5	3	10	1	2	81
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
.X=Don't do		113	837	23	13	3	9	6	5	17
.Z=Don't do/No if did				831	672	222	217	142	97	147
0.No		12550	10740	12732	11701	11077	12370	11212	10197	12821
1.Yes		420	327	384	338	334	362	372	344	444

Value	w11	w12	w13
.D=DK/NA	3		
.M=Oth missing			
.R=RF			1
.S=Skip	4	4	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	4	15	13
.Z=Don't do/No if did	136	122	106
0.No	11931	10508	11266
1.Yes	410	363	386

RwSHOPA: R Some Diff-Shop for grocery

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1	2		2	1	4	1	1	6
.M=Oth missing		1								
.Q=Not asked this wv		11420								
.R=RF			3	6	2		6	3	1	6
.S=Skip			36	28	24	7	45	7	9	135
.X=Don't do		228	638	724	724	650	685	595	524	373
0.No		6535	15421	18465	16827	15568	17375	15820	14828	19170
1.Yes		1457	1891	2161	1999	1939	2014	2043	1854	2344

Value	w11	w12	w13
.D=DK/NA	10	9	6
.M=Oth missing			
.Q=Not asked this wv			
.R=RF	6	1	2
.S=Skip	18	17	37
.X=Don't do	311	282	290
0.No	17916	16295	18324
1.Yes	2293	2143	2253

SwSHOPA: S Some Diff-Shop for grocery

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1				1	2		1	3
.M=Oth missing		1								
.Q=Not asked this wv		9125								
.R=RF			2	1	1		4	2	1	2
.S=Skip			11	7	5	3	10	1	2	81
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=Don't do		138	465	482	488	425	472	389	315	205
0.No		3662	10631	12566	11385	10457	11663	10487	9602	12249
1.Yes		547	808	924	851	753	821	856	725	973

Value	w11	w12	w13
.D=DK/NA	6	4	6
.M=Oth missing			
.Q=Not asked this wv			
.R=RF	2		1
.S=Skip	4	4	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	171	154	152
0.No	11360	9983	10723
1.Yes	945	867	890

RwMEALSA: R Some Diff-Prepare hot meal

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	1	3	3	2		2	6
.M=Oth missing		1								
.Q=Not asked this wv		11420								
.R=RF		1	3	5	3		5	3	1	6
.S=Skip			36	28	24	7	10	7	9	135
.X=Don't do		435	970	1106	1083	1040	1049	847	756	558
0.No		7018	15739	18781	17034	15689	17625	16216	15095	19648
1.Yes		767	1242	1463	1431	1426	1438	1396	1354	1681

Value	w11	w12	w13
.D=DK/NA	8	9	5
.M=Oth missing			
.Q=Not asked this wv			
.R=RF	5	2	3
.S=Skip	18	17	37
.X=Don't do	500	393	397
0.No	18341	16776	18880
1.Yes	1682	1550	1590

SwMEALSA: S Some Diff-Prepare hot meal

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA						2	1			2
.M=Oth missing		1								
.Q=Not asked this wv		9125								
.R=RF			2		1		3	2	1	3
.S=Skip			11	7	5	3	1	1	2	81
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=Don't do		338	783	844	818	754	759	572	511	347
0.No		3676	10592	12506	11309	10343	11639	10577	9637	12393
1.Yes		334	529	623	597	537	569	583	495	687

Value	w11	w12	w13
.D=DK/NA	5	6	3
.M=Oth missing			
.Q=Not asked this wv			
.R=RF	1	1	1
.S=Skip	4	4	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	301	244	212
0.No	11489	10144	10965
1.Yes	688	613	591

How Constructed

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves. These variables recode the raw variables for difficulty with instrumental activities of daily living (IADLs) as yes/no dummy variables, where "1" means "some difficulty" and "0" means not. Some measures described here are not normally used as IADLs but are included with them because they seemed to serve a similar measurement function in Wave 1. The measures described here are using the phone (RwPHONEA), taking medications (RwMEDSA), managing money (RwMONEYA), shopping for groceries (RwSHOPA), preparing meals (RwMEALSA), using a map (RwMAPA), and using a calculator (RwCALCA). In the following, references to Rw[iadl]A apply to all these variables.

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in all waves except Wave 2A. From Wave 3 forward, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map.

We attempt to make consistent variables across waves. Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. For example, in Wave 2H, "don't do" is not presented as an option in the instrument, and there are noticeably fewer "don't do" answers in this wave. Also "can't do" is not allowed as an answer in Wave 2H. In Wave 2A, the questions are based on whether the IADL can be done without help, and not specifically whether the Respondent has difficulty with it. In addition there is a slight difference in the question wording for using a map, and a difference in the questions for taking any medications between Wave 3 and later waves. The questions, and therefore, consistency, is much better from Wave 4 forward.

The variable derivations for some difficulty with IADLs(Rw[iadl]A) vary across waves because the question and responses can

vary across waves. In all waves, a "don't know" or "refuse" answer to the first question is set to .D or .R, respectively. Generally a "1" indicates "some difficulty or can't do," "0" indicates "no difficulty" and "don't do" is set to special missing code .X, since the Respondent hasn't revealed whether s/he would have difficulty with the activity if s/he ever did it.

In Wave 2H, if a Respondent answers "yes" to the first question ("Do you have any difficulty with ...") R2[iadl]A is set to "1" for "some difficulty," regardless of how much difficulty the Respondent says s/he has in the follow-up question. The questions about shopping and preparing meals were not asked in this wave, so R2SHOPA and R2MEALSA are set to .Q for HRS Respondents in Wave 2.

In Wave 2A, the questions ask if the Respondent is able to do an activity without help. If the Respondent says s/he doesn't do the activity then a question asks if this is because of a health problem. Another question about difficulty groups shopping, preparing meals, taking medications, and using the phone together in one question. Because it is impossible to separate answers for specific IADLs, we don't use this question. So if the answer to the first question about doing an activity without help is "no," R2[iadl]A is set to "1," for "some difficulty," and if the answer is "yes," i.e., able to do without help, R2[iadl]A is set to "0," for "no difficulty." If the answer is "don't do" and it is because of a health problem, we set R2[iadl]A to "1" for "some difficulty." Otherwise a "don't do" response is set to .X.

For managing money in Wave 2A, "don't do" is not a possible answer, but those who respond "no" to the first question are asked if it is because of a health problem. In this case, if the Respondent is unable to manage money because of a health problem, R2MONEYA is set to "1" for "some difficulty." If unable to manage money, but not because of a health problem, R2MONEYA is set to .X for "don't do." If the Respondent is able to manage money without help, then R2MONEYA is set to "0" for "no difficulty." In Wave 2A, questions about using a map and using a calculator are not asked, so R2MAPA and R2CALCA are set to .Q for AHEAD Respondents in Wave 2.

For using a map, from Wave 3 forward, if a Respondent answers "yes" or "can't do" to a question asking if s/he has any difficulty, Rw[iadl]A is set to "1" for "some difficulty." If the answer is "no," Rw[iadl]A is set to "0," and if the answer is "don't do," Rw[iadl]A is set to .X.

For taking medications, the questions are different in Wave 3 than for later waves. In Wave 3, if the answer to the first question about any difficulty is "no" or "yes," then R3MEDSA is set to "0" for "no difficulty" or "1" for "some difficulty," respectively. If the answer is "can't do" and it is because of a health problem, then R3MEDSA is set to "1" for "some difficulty." If it isn't because of a health problem, or if the answer to the first question is "don't take medications," then R3MEDSA is set to .X. From Wave 4 forward, the coding is done in the same way as in Wave 3, except if the Respondent says "don't do" to the first question. In this case, another question asks if s/he thinks s/he would have difficulty if s/he did take medications. If the answer to this question is "yes," and it is because of a health problem, then RwMEDSA is set to "1" for "some difficulty." If the answer to this question is "no," then RwMEDSA is set to .Z, for "don't do, but wouldn't have difficulty if did." Otherwise RwMEDSA is set to .X.

For other IADLs from Wave 3 forward, if a Respondent answers "no" or "yes" to a question asking if s/he has any difficulty, Rw[iadl]A is set to "0" for "no difficulty" or "1" for "some difficulty," respectively. If the answer is "can't do" or "don't do" and it is because of a health problem, Rw[iadl]A is set to "1" for "some difficulty." Otherwise, Rw[iadl]A is set to .X.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Some of the Rw[iadl]A variables are used to construct an IADL summary index. Please see "IADL Summary."

Another version of these variables simply recodes the raw HRS variables. Please see "Instrumental Activities of Daily Living (IADLs): Raw recodes" for a description of this version.

A third version of these variables is derived for Wave 1 only (R1[iadl]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "IADLs: Recodes for comparison to Wallace and Herzog" for a description of the R1MAPW, R1CALCW, R1MCVW, and R1COMPW variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[iadl]A) solely due to measurement differences in the raw data. The R1[iadl]W variables are not appropriate for comparison to the Rw[iadl]A variables in other waves.

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves. Some measures described here are not normally used as IADLs, but are included with them because they seemed to serve a similar measurement function in Wave 1. The IADL measures described here are: using the phone (RwPHONE), taking medications (RwMEDS), managing money (RwMONEY), shopping for groceries (RwSHOP), preparing meals (RwMEALS), using a map (RwMAP), using a calculator (RwCALC), using a microwave (R1MCWV), and using a computer (R1COMP).

Respondents are asked about different IADL activities in Waves 1 and 2 than in the rest of the waves. Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money, which are activities normally considered IADLs. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. In Wave 2A and from Wave 3 forward, the questions about using a calculator are not asked, but shopping for groceries and preparing meals are added. Using a map is asked in all waves except Wave 2A. From Wave 3 forward, the set of IADLs is consistent and includes using the phone, taking medications, managing money, shopping for groceries, preparing meals, and using a map.

The question wording and answers also varied across waves. The Wave 1 questions ask:

"Here are some other activities that people may have difficulty with. How difficult is it for you to [...]?"

The Respondent can answer "not at all difficult," "a little difficult," "somewhat difficult," "very difficult/can't do," or "don't do." The answers translate into 4 codes from "1" for "not at all difficult" to "4" for "very difficult/can't do." Another code is used for the "Don't do" response. The specific wording for the IADLs is: use a map to figure out how to get around a strange place, use a microwave oven after reading the instructions, use a calculator to help balance your checkbook, and use a computer or word processor.

In Wave 2H the question wording is similar to that in Wave 1, but is asked in 2 parts:

1) "Here are some other activities that people may have difficulty with. Do you have any difficulty with ...?" Respondent can answer yes or no.

2) [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, so are observed less frequently than in other waves, simply because of questionnaire differences. This difference is considerable among the IADLs. The specific wording for the IADLs is: using a map to figure out how to get around a strange place, using a calculator to help balance your checkbook, managing your money, making telephone calls, and following instructions for taking prescription medications.

In Wave 2A, the questions are asked differently for managing money and for other IADLs. The section is prefaced with the following:

"Here are a few other daily activities which some people have difficulty with. Please tell me whether you are able to do each activity without help from anyone else. If you don't do the activity at all, just tell me so."

Except for managing money, the IADL questions ask:

"Are you able to .. without help?" [IF DON'T DO] "Is that because of a health problem?"

If the Respondent reports being able to do any one of these activities without help, a question asks:

"Without help do you have any difficulty with [list of all applicable IADLs]?" [IF YES] "Is that a little or a lot of difficulty?"

The specific wording for these activities is: prepare(ing) hot meals, shop(ping) for groceries, make(ing) telephone calls and take(ing) medications.

For managing money the Wave 2A questions ask:

- 1) "Do you manage your money-such as paying your bills and keeping track of expenses, without anyone's help?"
- 2) [IF NO] "Is that because of a health or memory condition?"
- 3) [IF YES, DK, or RF to Q1, or YES to Q2] "Do you have any difficulty managing your money (when someone is helping you/without help)?"
- 4) [IF YES to Q3] "Is that a little or a lot of difficulty?"

From Wave 3 forward, the question wording is again similar to that in Wave 1, but prefaced with additional text. The question asks:

"Here are a few other activities which some people have difficulty with because of a physical, mental, emotional, or memory problem. Please tell me if you have any difficulty with each activity I name. If you don't do the activity at all, just tell me so. Exclude any difficulties you expect to last less than three months."

For using a map, the question in Wave 3 is: "Do you have any difficulty using a map to figure out how to get around in a strange place?" From Wave 4 forward, this is prefaced with "Because of a health or memory problem...." Responses may be "yes," "no," "can't do," or "don't do."

For other IADLs, a series of questions may be asked:

- 1) "Because of a health or memory problem do you have any difficulty with ...?" The Respondent can answer "yes," "no," "can't do", or "don't do." In Wave 3, for taking medications, the wording for "don't do" is "don't take medications."
- 2) From Wave 4 forward for taking medications [If DON'T DO to Q1] "Do you think you would have any difficulty taking medications if you needed to do so?"
- 3) [If YES, DK, or RF to Q2 for taking medications from Wave 4 forward; CAN'T DO to Q1 for taking medications in Wave 3; or CAN'T DO or DON'T DO to Q1 for all other activities] "Is that because of a health or memory problem?" The Respondent can answer "yes" or "no." In Wave 3A, this question is also asked if the response to Q1 is don't know or refuse. In Wave 3A and 3H, this question is skipped for a "don't take medications" response. From Wave 4 forward, whether the question is asked depends on the answer to Q2 for taking medications, if Q1 had a "don't do" response.
- 4) [If YES, DK, or RF to Q1 or Q3] "Does anyone help you ...?" The Respondent can answer "yes" or "no." In Wave 3, this question is not asked for managing money when the Q1 response is "Don't Know" or "Refuse." From Wave 4 forward, this question is not asked if the Respondent is living in a nursing home. In Wave 7, a mistake in the Spanish instrument allowed "can't do" and "don't do" responses for the help questions, and a few of these responses are given for all of the IADLs, except help with medications and money.

The specific wording for these activities is: prepare(ing) a hot meal, shop(ping) for groceries, make(ing) phone calls, take(ing) medications, and manage(ing) your money – such as paying your bills and keeping track of expenses.

HRS Variables Used

AHEAD 1993:

B903A1	E52. IADL W/OUT HELP-PREPARE HOT MEAL
B903A2	E52. IADL W/OUT HELP-SHOP FOR GROCERIES
B903A3	E52. IADL W/OUT HELP-MAKE PHONE CALLS
B903A4	E52. IADL W/OUT HELP-TAKE MEDICATIONS

B904A1	E52a. IADL WHY DONT-PREPARE HOT MEALS
B904A2	E52a. IADL WHY DONT-SHOP FOR GROCERIES
B904A3	E52a. IADL WHY DONT-MAKE PHONE CALLS
B904A4	E52a. IADL WHY DONT-TAKE MEDICATIONS
B948	E57. IADL MONEY
B949	E57a. MONEY WHY CANT
HRS 1994:	
W323	B5.USING A MAP
W324	B5a.USING A CALCULATOR
W325	B5b.MANAGING MONEY
W326	B5c.MAKING TELEPHONE CAL
W327	B5d.TAKING PRESCRIPTION
AHEAD 1995:	
D2012	E93.MAPS
D2021	E95.IADL MEALS DIFF
D2023	E95B.MEALS -WHY DONT
D2026	E96.IADL GROC DIFF
D2028	E96B.GROC -WHY DONT
D2031	E97.IADLS PHONE DIFF
D2033	E97B.PHONE -WHY DONT
D2036	E98.IADLS MEDICATION DIFF
D2038	E98B.MED-WHY DONT
D2099	E106.IADL MONEY DIFF
D2100	E106A.MONEY HEALTH PROBLEM
HRS 1996:	
E2027	E93.MAPS
E2036	E95.IADL MEALS DIFF
E2038	E95B.MEALS -WHY DONT
E2041	E96.IADL GROC DIFF
E2043	E96B.GROC -WHY DONT
E2046	E97.IADLS PHONE DIFF
E2048	E97B.PHONE -WHY DONT
E2051	E98.IADLS MEDICATION DIFF
E2053	E98B.MED-WHY DONT
E2093	E106.IADL MONEY DIFF
E2094	E106A.MONEY HEALTH PROBLEM
HRS 1998:	
F2553	E93.MAPS
F2562	E95.IADL MEALS DIFF
F2564	E95B.MEALS -WHY DONT
F2567	E96.IADL GROC DIFF
F2569	E96B.GROC -WHY DONT
F2572	E97.IADLS PHONE DIFF
F2574	E97B.PHONE -WHY DONT
F2577	E98.IADLS MEDICATION DIFF
F2578	E98A
F2579	E98B.MED-WHY DONT
F2618	E106.IADL MONEY DIFF
F2619	E106A.MONEY HEALTH PROBLEM
HRS 2000:	
G2851	E93.MAPS
G2860	E95.IADL MEALS DIFF
G2862	E95B.MEALS -WHY DONT
G2865	E96.IADL GROC DIFF
G2867	E96B.GROC -WHY DONT
G2870	E97.IADLS PHONE DIFF
G2872	E97B.PHONE -WHY DONT
G2875	E98.IADLS MEDICATION DIFF
G2876	E98A.IADLS MED IF NEEDED DIFF

G2877	E98B.MED-WHY DONT
G2916	E106.IADL MONEY DIFF
G2917	E106A.MONEY HEALTH PROBLEM
HRS 2002-2016:	
xG040	DIFFICULTY- USING MAPS
xG041	IADL MEAL PREPARATION DIFFICULTY
xG042	WHY- MEAL PREPARATION DIFFICULTY
xG044	IADL GROC SHOP DIFFICULTY
xG045	WHY- GROC SHOP DIFFICULTY
xG047	IADL MAKING PHONE CALLS DIFFICULTY
xG048	WHY- MAKING PHONE CALLS DIFFICULTY
xG050	IADL TAKING MEDICATION DIFFICULTY
xG051	IADL TAKING MEDS IF NEEDED DIFFICULTY
xG052	WHY- TAKING MEDICATIONS DIFFICULTY
xG059	IADL MANAGING MONEY DIFFICULTY
xG060	WHY- MANAGING MONEY DIFFICULTY

IADLs: Recodes for comparison to Wallace and Herzog
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Wave	Variable	Label	Type
1	R1MAPW	R1MAPW:W1 R Any Diff-Use a map	Categ
1	S1MAPW	S1MAPW:W1 S Any Diff-Use a map	Categ
1	R1CALCW	R1CALCW:W1 R Any Diff-Use a calculator	Categ
1	S1CALCW	S1CALCW:W1 S Any Diff-Use a calculator	Categ
1	R1MCWVW	R1MCWVW:W1 R Any Diff-Use a microwave	Categ
1	S1MCWVW	S1MCWVW:W1 S Any Diff-Use a microwave	Categ
1	R1COMPW	R1COMPW:W1 R Any Diff-Use a computer	Categ
1	S1COMPW	S1COMPW:W1 S Any Diff-Use a computer	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1MAPW	12188	0.33	0.47	0.0	1.0
S1MAPW	9620	0.31	0.46	0.0	1.0
R1CALCW	11254	0.11	0.32	0.0	1.0
S1CALCW	8923	0.11	0.31	0.0	1.0
R1MCWVW	12095	0.11	0.31	0.0	1.0
S1MCWVW	9562	0.10	0.31	0.0	1.0
R1COMPW	7334	0.45	0.50	0.0	1.0
S1COMPW	5821	0.45	0.50	0.0	1.0

Categorical Variable Codes

R1MAPW: R Any Diff-Use a map

Value		w1
.X=Don't do	|	464
0.No	|	8225
1.Yes	|	3963

S1MAPW: S Any Diff-Use a map

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	280
0.No	|	6644
1.Yes	|	2976

R1CALCW: R Any Diff-Use a calculator

Value		w1
.X=Don't do	|	1398
0.No	|	9979
1.Yes	|	1275

S1CALCW: S Any Diff-Use a calculator

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	977
0.No	|	7973
1.Yes	|	950

R1MCWVW: R Any Diff-Use a microwave

Value		w1
.X=Don't do	|	557
0.No	|	10797
1.Yes	|	1298

S1MCWVW: S Any Diff-Use a microwave

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	338
0.No	|	8560
1.Yes	|	1002

R1COMPW: R Any Diff-Use a computer

Value		w1
.X=Don't do	|	5318
0.No	|	4059
1.Yes	|	3275

S1COMPW: S Any Diff-Use a computer

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	4079
0.No	|	3218
1.Yes	|	2603

How Constructed

These IADL variables are derived for Wave 1 only. They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). These variables are provided for comparison to the results found in that paper.

Wallace and Herzog recode the IADL variables to 1 for "any difficulty" if the Respondent answered "a little difficult," "somewhat difficult," or "very difficult/can't do." A response of "not difficult at all" is recoded to zero. This recoding scheme is applied for these variables to attempt to replicate the results reported in their paper.

The spouse variables are taken from the spouse's self-reported Wave 1 data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are several other versions of these variables. One version simply recodes the raw HRS variables. Please see the descriptions of

these (RwMAP, RwCALC, R1MCWV, R1COMP) under "Instrumental Activities of Daily Living (IADLs): Raw recodes."

Another version recodes a yes/no dummy variable in waves other than Wave 1, but these are not comparable with the Wallace and Herzog recodes. Please see the descriptions of these (RwMAPA, RwCALCA, R1MCWVA, R1COMPA) under "Instrumental Activities of Daily Living (IADLs): Some difficulty."

Some of the Wallace and Herzog indices are also derived, and include some of these measures in creating functional limitation indices, including an IADL summary index for Wave 1. Please see "IADL Summary."

Cross Wave Differences in Original HRS Data

Each wave has a series of questions about limits on instrumental activities of daily living (IADLs), but the specific activities, the question wording, and possible answers vary across waves.

Wave 1 asks about using a map, a calculator, a microwave, and a computer, but not about preparing meals, shopping for groceries, using the phone, taking medications, or managing money. From Wave 2 forward, the questions about using a microwave or a computer are dropped, but using the phone, taking medications, and managing money are added. From Wave 2A and Wave 3 forward, the questions about using a calculator are no longer asked, but shopping for groceries and preparing meals are added. Please note that only using a map is consistently asked in all waves, except Wave 2A.

The question wording and answers also varied across waves. The Wave 1 questions ask:

"Here are some other activities that people may have difficulty with. How difficult is it for you to [...]?"

The Respondent can answer: not at all difficult, a little difficult, somewhat difficult, very difficult/can't do, or don't do. The answers translate into 4 codes from "1" for "not at all difficult" to "4" for "very difficult/can't do." Another code is used for the "Don't do" response.

The wording for the map activity is "use a map to figure out how to get around a strange place." The wording for the calculator activity is "use a calculator to help balance your checkbook." The wording for the microwave activity is "use a microwave oven after reading the instructions." The wording for the computer activity is "use a computer or word processor."

In subsequent waves, there is a question that simply asks if the Respondent has any difficulty with a particular activity. The question wording and possible answers are sufficiently different that the levels of Wave 1 codes cannot be derived from the data.

HRS Variables Used

HRS 1992:	
V321	B5A:USE MAP, STRNG P:IMP
V322	B5B:USE MCRWV W/ INS:IMP
V323	B5C:USE CALCULATOR :IMP
V324	B5D:USE COMPUTER :IMP

Other Functional Limitations: Raw recodes
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Wave	Variable	Label	Type
1	R1WALKS	R1WALKS:W1 R Diff-Walk sev blocks	Categ
2	R2WALKS	R2WALKS:W2 R Diff-Walk sev blocks	Categ
3	R3WALKS	R3WALKS:W3 R Diff-Walk sev blocks	Categ
4	R4WALKS	R4WALKS:W4 R Diff-Walk sev blocks	Categ
5	R5WALKS	R5WALKS:W5 R Diff-Walk sev blocks	Categ
6	R6WALKS	R6WALKS:W6 R Diff-Walk sev blocks	Categ
7	R7WALKS	R7WALKS:W7 R Diff-Walk sev blocks	Categ
8	R8WALKS	R8WALKS:W8 R Diff-Walk sev blocks	Categ
9	R9WALKS	R9WALKS:W9 R Diff-Walk sev blocks	Categ
10	R10WALKS	R10WALKS:W10 R Diff-Walk sev blocks	Categ
11	R11WALKS	R11WALKS:W11 R Diff-Walk sev blocks	Categ
12	R12WALKS	R12WALKS:W12 R Diff-Walk sev blocks	Categ
13	R13WALKS	R13WALKS:W13 R Diff-Walk sev blocks	Categ
1	S1WALKS	S1WALKS:W1 S Diff-Walk sev blocks	Categ
2	S2WALKS	S2WALKS:W2 S Diff-Walk sev blocks	Categ
3	S3WALKS	S3WALKS:W3 S Diff-Walk sev blocks	Categ
4	S4WALKS	S4WALKS:W4 S Diff-Walk sev blocks	Categ
5	S5WALKS	S5WALKS:W5 S Diff-Walk sev blocks	Categ
6	S6WALKS	S6WALKS:W6 S Diff-Walk sev blocks	Categ
7	S7WALKS	S7WALKS:W7 S Diff-Walk sev blocks	Categ
8	S8WALKS	S8WALKS:W8 S Diff-Walk sev blocks	Categ
9	S9WALKS	S9WALKS:W9 S Diff-Walk sev blocks	Categ
10	S10WALKS	S10WALKS:W10 S Diff-Walk sev blocks	Categ
11	S11WALKS	S11WALKS:W11 S Diff-Walk sev blocks	Categ
12	S12WALKS	S12WALKS:W12 S Diff-Walk sev blocks	Categ
13	S13WALKS	S13WALKS:W13 S Diff-Walk sev blocks	Categ
1	R1JOG	R1JOG:W1 R Diff-Jog one mile	Categ
2	R2JOG	R2JOG:W2 R Diff-Jog one mile	Categ
3	R3JOG	R3JOG:W3 R Diff-Jog one mile	Categ
4	R4JOG	R4JOG:W4 R Diff-Jog one mile	Categ
5	R5JOG	R5JOG:W5 R Diff-Jog one mile	Categ
6	R6JOG	R6JOG:W6 R Diff-Jog one mile	Categ
7	R7JOG	R7JOG:W7 R Diff-Jog one mile	Categ
8	R8JOG	R8JOG:W8 R Diff-Jog one mile	Categ
9	R9JOG	R9JOG:W9 R Diff-Jog one mile	Categ
10	R10JOG	R10JOG:W10 R Diff-Jog one mile	Categ
11	R11JOG	R11JOG:W11 R Diff-Jog one mile	Categ
12	R12JOG	R12JOG:W12 R Diff-Jog one mile	Categ
13	R13JOG	R13JOG:W13 R Diff-Jog one mile	Categ
1	S1JOG	S1JOG:W1 S Diff-Jog one mile	Categ
2	S2JOG	S2JOG:W2 S Diff-Jog one mile	Categ
3	S3JOG	S3JOG:W3 S Diff-Jog one mile	Categ
4	S4JOG	S4JOG:W4 S Diff-Jog one mile	Categ
5	S5JOG	S5JOG:W5 S Diff-Jog one mile	Categ
6	S6JOG	S6JOG:W6 S Diff-Jog one mile	Categ
7	S7JOG	S7JOG:W7 S Diff-Jog one mile	Categ
8	S8JOG	S8JOG:W8 S Diff-Jog one mile	Categ
9	S9JOG	S9JOG:W9 S Diff-Jog one mile	Categ
10	S10JOG	S10JOG:W10 S Diff-Jog one mile	Categ
11	S11JOG	S11JOG:W11 S Diff-Jog one mile	Categ
12	S12JOG	S12JOG:W12 S Diff-Jog one mile	Categ
13	S13JOG	S13JOG:W13 S Diff-Jog one mile	Categ
1	R1WALK1	R1WALK1:W1 R Diff-Walk one block	Categ
2	R2WALK1	R2WALK1:W2 R Diff-Walk one block	Categ
3	R3WALK1	R3WALK1:W3 R Diff-Walk one block	Categ
4	R4WALK1	R4WALK1:W4 R Diff-Walk one block	Categ
5	R5WALK1	R5WALK1:W5 R Diff-Walk one block	Categ
6	R6WALK1	R6WALK1:W6 R Diff-Walk one block	Categ
7	R7WALK1	R7WALK1:W7 R Diff-Walk one block	Categ
8	R8WALK1	R8WALK1:W8 R Diff-Walk one block	Categ
9	R9WALK1	R9WALK1:W9 R Diff-Walk one block	Categ
10	R10WALK1	R10WALK1:W10 R Diff-Walk one block	Categ

11	R11WALK1	R11WALK1:W11 R Diff-Walk one block	Categ
12	R12WALK1	R12WALK1:W12 R Diff-Walk one block	Categ
13	R13WALK1	R13WALK1:W13 R Diff-Walk one block	Categ
1	S1WALK1	S1WALK1:W1 S Diff-Walk one block	Categ
2	S2WALK1	S2WALK1:W2 S Diff-Walk one block	Categ
3	S3WALK1	S3WALK1:W3 S Diff-Walk one block	Categ
4	S4WALK1	S4WALK1:W4 S Diff-Walk one block	Categ
5	S5WALK1	S5WALK1:W5 S Diff-Walk one block	Categ
6	S6WALK1	S6WALK1:W6 S Diff-Walk one block	Categ
7	S7WALK1	S7WALK1:W7 S Diff-Walk one block	Categ
8	S8WALK1	S8WALK1:W8 S Diff-Walk one block	Categ
9	S9WALK1	S9WALK1:W9 S Diff-Walk one block	Categ
10	S10WALK1	S10WALK1:W10 S Diff-Walk one block	Categ
11	S11WALK1	S11WALK1:W11 S Diff-Walk one block	Categ
12	S12WALK1	S12WALK1:W12 S Diff-Walk one block	Categ
13	S13WALK1	S13WALK1:W13 S Diff-Walk one block	Categ
1	R1SIT	R1SIT:W1 R Diff-Sit for 2 hours	Categ
2	R2SIT	R2SIT:W2 R Diff-Sit for 2 hours	Categ
3	R3SIT	R3SIT:W3 R Diff-Sit for 2 hours	Categ
4	R4SIT	R4SIT:W4 R Diff-Sit for 2 hours	Categ
5	R5SIT	R5SIT:W5 R Diff-Sit for 2 hours	Categ
6	R6SIT	R6SIT:W6 R Diff-Sit for 2 hours	Categ
7	R7SIT	R7SIT:W7 R Diff-Sit for 2 hours	Categ
8	R8SIT	R8SIT:W8 R Diff-Sit for 2 hours	Categ
9	R9SIT	R9SIT:W9 R Diff-Sit for 2 hours	Categ
10	R10SIT	R10SIT:W10 R Diff-Sit for 2 hours	Categ
11	R11SIT	R11SIT:W11 R Diff-Sit for 2 hours	Categ
12	R12SIT	R12SIT:W12 R Diff-Sit for 2 hours	Categ
13	R13SIT	R13SIT:W13 R Diff-Sit for 2 hours	Categ
1	S1SIT	S1SIT:W1 S Diff-Sit for 2 hours	Categ
2	S2SIT	S2SIT:W2 S Diff-Sit for 2 hours	Categ
3	S3SIT	S3SIT:W3 S Diff-Sit for 2 hours	Categ
4	S4SIT	S4SIT:W4 S Diff-Sit for 2 hours	Categ
5	S5SIT	S5SIT:W5 S Diff-Sit for 2 hours	Categ
6	S6SIT	S6SIT:W6 S Diff-Sit for 2 hours	Categ
7	S7SIT	S7SIT:W7 S Diff-Sit for 2 hours	Categ
8	S8SIT	S8SIT:W8 S Diff-Sit for 2 hours	Categ
9	S9SIT	S9SIT:W9 S Diff-Sit for 2 hours	Categ
10	S10SIT	S10SIT:W10 S Diff-Sit for 2 hours	Categ
11	S11SIT	S11SIT:W11 S Diff-Sit for 2 hours	Categ
12	S12SIT	S12SIT:W12 S Diff-Sit for 2 hours	Categ
13	S13SIT	S13SIT:W13 S Diff-Sit for 2 hours	Categ
1	R1CHAIR	R1CHAIR:W1 R Diff-Get up fr chair	Categ
2	R2CHAIR	R2CHAIR:W2 R Diff-Get up fr chair	Categ
3	R3CHAIR	R3CHAIR:W3 R Diff-Get up fr chair	Categ
4	R4CHAIR	R4CHAIR:W4 R Diff-Get up fr chair	Categ
5	R5CHAIR	R5CHAIR:W5 R Diff-Get up fr chair	Categ
6	R6CHAIR	R6CHAIR:W6 R Diff-Get up fr chair	Categ
7	R7CHAIR	R7CHAIR:W7 R Diff-Get up fr chair	Categ
8	R8CHAIR	R8CHAIR:W8 R Diff-Get up fr chair	Categ
9	R9CHAIR	R9CHAIR:W9 R Diff-Get up fr chair	Categ
10	R10CHAIR	R10CHAIR:W10 R Diff-Get up fr chair	Categ
11	R11CHAIR	R11CHAIR:W11 R Diff-Get up fr chair	Categ
12	R12CHAIR	R12CHAIR:W12 R Diff-Get up fr chair	Categ
13	R13CHAIR	R13CHAIR:W13 R Diff-Get up fr chair	Categ
1	S1CHAIR	S1CHAIR:W1 S Diff-Get up fr chair	Categ
2	S2CHAIR	S2CHAIR:W2 S Diff-Get up fr chair	Categ
3	S3CHAIR	S3CHAIR:W3 S Diff-Get up fr chair	Categ
4	S4CHAIR	S4CHAIR:W4 S Diff-Get up fr chair	Categ
5	S5CHAIR	S5CHAIR:W5 S Diff-Get up fr chair	Categ
6	S6CHAIR	S6CHAIR:W6 S Diff-Get up fr chair	Categ
7	S7CHAIR	S7CHAIR:W7 S Diff-Get up fr chair	Categ
8	S8CHAIR	S8CHAIR:W8 S Diff-Get up fr chair	Categ
9	S9CHAIR	S9CHAIR:W9 S Diff-Get up fr chair	Categ
10	S10CHAIR	S10CHAIR:W10 S Diff-Get up fr chair	Categ
11	S11CHAIR	S11CHAIR:W11 S Diff-Get up fr chair	Categ
12	S12CHAIR	S12CHAIR:W12 S Diff-Get up fr chair	Categ

13	S13CHAIR	S13CHAIR:W13 S Diff-Get up fr chair	Categ
1	R1CLIMS	R1CLIMS:W1 R Diff-Climb sev flt stair	Categ
2	R2CLIMS	R2CLIMS:W2 R Diff-Climb sev flt stair	Categ
3	R3CLIMS	R3CLIMS:W3 R Diff-Climb sev flt stair	Categ
4	R4CLIMS	R4CLIMS:W4 R Diff-Climb sev flt stair	Categ
5	R5CLIMS	R5CLIMS:W5 R Diff-Climb sev flt stair	Categ
6	R6CLIMS	R6CLIMS:W6 R Diff-Climb sev flt stair	Categ
7	R7CLIMS	R7CLIMS:W7 R Diff-Climb sev flt stair	Categ
8	R8CLIMS	R8CLIMS:W8 R Diff-Climb sev flt stair	Categ
9	R9CLIMS	R9CLIMS:W9 R Diff-Climb sev flt stair	Categ
10	R10CLIMS	R10CLIMS:W10 R Diff-Climb sev flt stair	Categ
11	R11CLIMS	R11CLIMS:W11 R Diff-Climb sev flt stair	Categ
12	R12CLIMS	R12CLIMS:W12 R Diff-Climb sev flt stair	Categ
13	R13CLIMS	R13CLIMS:W13 R Diff-Climb sev flt stair	Categ
1	S1CLIMS	S1CLIMS:W1 S Diff-Climb sev flt stair	Categ
2	S2CLIMS	S2CLIMS:W2 S Diff-Climb sev flt stair	Categ
3	S3CLIMS	S3CLIMS:W3 S Diff-Climb sev flt stair	Categ
4	S4CLIMS	S4CLIMS:W4 S Diff-Climb sev flt stair	Categ
5	S5CLIMS	S5CLIMS:W5 S Diff-Climb sev flt stair	Categ
6	S6CLIMS	S6CLIMS:W6 S Diff-Climb sev flt stair	Categ
7	S7CLIMS	S7CLIMS:W7 S Diff-Climb sev flt stair	Categ
8	S8CLIMS	S8CLIMS:W8 S Diff-Climb sev flt stair	Categ
9	S9CLIMS	S9CLIMS:W9 S Diff-Climb sev flt stair	Categ
10	S10CLIMS	S10CLIMS:W10 S Diff-Climb sev flt stair	Categ
11	S11CLIMS	S11CLIMS:W11 S Diff-Climb sev flt stair	Categ
12	S12CLIMS	S12CLIMS:W12 S Diff-Climb sev flt stair	Categ
13	S13CLIMS	S13CLIMS:W13 S Diff-Climb sev flt stair	Categ
1	R1CLIM1	R1CLIM1:W1 R Diff-Climb one flt stair	Categ
2	R2CLIM1	R2CLIM1:W2 R Diff-Climb one flt stair	Categ
3	R3CLIM1	R3CLIM1:W3 R Diff-Climb one flt stair	Categ
4	R4CLIM1	R4CLIM1:W4 R Diff-Climb one flt stair	Categ
5	R5CLIM1	R5CLIM1:W5 R Diff-Climb one flt stair	Categ
6	R6CLIM1	R6CLIM1:W6 R Diff-Climb one flt stair	Categ
7	R7CLIM1	R7CLIM1:W7 R Diff-Climb one flt stair	Categ
8	R8CLIM1	R8CLIM1:W8 R Diff-Climb one flt stair	Categ
9	R9CLIM1	R9CLIM1:W9 R Diff-Climb one flt stair	Categ
10	R10CLIM1	R10CLIM1:W10 R Diff-Climb one flt stair	Categ
11	R11CLIM1	R11CLIM1:W11 R Diff-Climb one flt stair	Categ
12	R12CLIM1	R12CLIM1:W12 R Diff-Climb one flt stair	Categ
13	R13CLIM1	R13CLIM1:W13 R Diff-Climb one flt stair	Categ
1	S1CLIM1	S1CLIM1:W1 S Diff-Climb one flt stair	Categ
2	S2CLIM1	S2CLIM1:W2 S Diff-Climb one flt stair	Categ
3	S3CLIM1	S3CLIM1:W3 S Diff-Climb one flt stair	Categ
4	S4CLIM1	S4CLIM1:W4 S Diff-Climb one flt stair	Categ
5	S5CLIM1	S5CLIM1:W5 S Diff-Climb one flt stair	Categ
6	S6CLIM1	S6CLIM1:W6 S Diff-Climb one flt stair	Categ
7	S7CLIM1	S7CLIM1:W7 S Diff-Climb one flt stair	Categ
8	S8CLIM1	S8CLIM1:W8 S Diff-Climb one flt stair	Categ
9	S9CLIM1	S9CLIM1:W9 S Diff-Climb one flt stair	Categ
10	S10CLIM1	S10CLIM1:W10 S Diff-Climb one flt stair	Categ
11	S11CLIM1	S11CLIM1:W11 S Diff-Climb one flt stair	Categ
12	S12CLIM1	S12CLIM1:W12 S Diff-Climb one flt stair	Categ
13	S13CLIM1	S13CLIM1:W13 S Diff-Climb one flt stair	Categ
1	R1STOOP	R1STOOP:W1 R Diff-Stoop/Kneel/Crouch	Categ
2	R2STOOP	R2STOOP:W2 R Diff-Stoop/Kneel/Crouch	Categ
3	R3STOOP	R3STOOP:W3 R Diff-Stoop/Kneel/Crouch	Categ
4	R4STOOP	R4STOOP:W4 R Diff-Stoop/Kneel/Crouch	Categ
5	R5STOOP	R5STOOP:W5 R Diff-Stoop/Kneel/Crouch	Categ
6	R6STOOP	R6STOOP:W6 R Diff-Stoop/Kneel/Crouch	Categ
7	R7STOOP	R7STOOP:W7 R Diff-Stoop/Kneel/Crouch	Categ
8	R8STOOP	R8STOOP:W8 R Diff-Stoop/Kneel/Crouch	Categ
9	R9STOOP	R9STOOP:W9 R Diff-Stoop/Kneel/Crouch	Categ
10	R10STOOP	R10STOOP:W10 R Diff-Stoop/Kneel/Crouch	Categ
11	R11STOOP	R11STOOP:W11 R Diff-Stoop/Kneel/Crouch	Categ
12	R12STOOP	R12STOOP:W12 R Diff-Stoop/Kneel/Crouch	Categ
13	R13STOOP	R13STOOP:W13 R Diff-Stoop/Kneel/Crouch	Categ

1	S1STOOP	S1STOOP:W1 S Diff-Stoop/Kneel/Crouch	Categ
2	S2STOOP	S2STOOP:W2 S Diff-Stoop/Kneel/Crouch	Categ
3	S3STOOP	S3STOOP:W3 S Diff-Stoop/Kneel/Crouch	Categ
4	S4STOOP	S4STOOP:W4 S Diff-Stoop/Kneel/Crouch	Categ
5	S5STOOP	S5STOOP:W5 S Diff-Stoop/Kneel/Crouch	Categ
6	S6STOOP	S6STOOP:W6 S Diff-Stoop/Kneel/Crouch	Categ
7	S7STOOP	S7STOOP:W7 S Diff-Stoop/Kneel/Crouch	Categ
8	S8STOOP	S8STOOP:W8 S Diff-Stoop/Kneel/Crouch	Categ
9	S9STOOP	S9STOOP:W9 S Diff-Stoop/Kneel/Crouch	Categ
10	S10STOOP	S10STOOP:W10 S Diff-Stoop/Kneel/Crouch	Categ
11	S11STOOP	S11STOOP:W11 S Diff-Stoop/Kneel/Crouch	Categ
12	S12STOOP	S12STOOP:W12 S Diff-Stoop/Kneel/Crouch	Categ
13	S13STOOP	S13STOOP:W13 S Diff-Stoop/Kneel/Crouch	Categ
1	R1LIFT	R1LIFT:W1 R Diff-Lift/carry 10lbs	Categ
2	R2LIFT	R2LIFT:W2 R Diff-Lift/carry 10lbs	Categ
3	R3LIFT	R3LIFT:W3 R Diff-Lift/carry 10lbs	Categ
4	R4LIFT	R4LIFT:W4 R Diff-Lift/carry 10lbs	Categ
5	R5LIFT	R5LIFT:W5 R Diff-Lift/carry 10lbs	Categ
6	R6LIFT	R6LIFT:W6 R Diff-Lift/carry 10lbs	Categ
7	R7LIFT	R7LIFT:W7 R Diff-Lift/carry 10lbs	Categ
8	R8LIFT	R8LIFT:W8 R Diff-Lift/carry 10lbs	Categ
9	R9LIFT	R9LIFT:W9 R Diff-Lift/carry 10lbs	Categ
10	R10LIFT	R10LIFT:W10 R Diff-Lift/carry 10lbs	Categ
11	R11LIFT	R11LIFT:W11 R Diff-Lift/carry 10lbs	Categ
12	R12LIFT	R12LIFT:W12 R Diff-Lift/carry 10lbs	Categ
13	R13LIFT	R13LIFT:W13 R Diff-Lift/carry 10lbs	Categ
1	S1LIFT	S1LIFT:W1 S Diff-Lift/carry 10lbs	Categ
2	S2LIFT	S2LIFT:W2 S Diff-Lift/carry 10lbs	Categ
3	S3LIFT	S3LIFT:W3 S Diff-Lift/carry 10lbs	Categ
4	S4LIFT	S4LIFT:W4 S Diff-Lift/carry 10lbs	Categ
5	S5LIFT	S5LIFT:W5 S Diff-Lift/carry 10lbs	Categ
6	S6LIFT	S6LIFT:W6 S Diff-Lift/carry 10lbs	Categ
7	S7LIFT	S7LIFT:W7 S Diff-Lift/carry 10lbs	Categ
8	S8LIFT	S8LIFT:W8 S Diff-Lift/carry 10lbs	Categ
9	S9LIFT	S9LIFT:W9 S Diff-Lift/carry 10lbs	Categ
10	S10LIFT	S10LIFT:W10 S Diff-Lift/carry 10lbs	Categ
11	S11LIFT	S11LIFT:W11 S Diff-Lift/carry 10lbs	Categ
12	S12LIFT	S12LIFT:W12 S Diff-Lift/carry 10lbs	Categ
13	S13LIFT	S13LIFT:W13 S Diff-Lift/carry 10lbs	Categ
1	R1DIME	R1DIME:W1 R Diff-Pick up a dime	Categ
2	R2DIME	R2DIME:W2 R Diff-Pick up a dime	Categ
3	R3DIME	R3DIME:W3 R Diff-Pick up a dime	Categ
4	R4DIME	R4DIME:W4 R Diff-Pick up a dime	Categ
5	R5DIME	R5DIME:W5 R Diff-Pick up a dime	Categ
6	R6DIME	R6DIME:W6 R Diff-Pick up a dime	Categ
7	R7DIME	R7DIME:W7 R Diff-Pick up a dime	Categ
8	R8DIME	R8DIME:W8 R Diff-Pick up a dime	Categ
9	R9DIME	R9DIME:W9 R Diff-Pick up a dime	Categ
10	R10DIME	R10DIME:W10 R Diff-Pick up a dime	Categ
11	R11DIME	R11DIME:W11 R Diff-Pick up a dime	Categ
12	R12DIME	R12DIME:W12 R Diff-Pick up a dime	Categ
13	R13DIME	R13DIME:W13 R Diff-Pick up a dime	Categ
1	S1DIME	S1DIME:W1 S Diff-Pick up a dime	Categ
2	S2DIME	S2DIME:W2 S Diff-Pick up a dime	Categ
3	S3DIME	S3DIME:W3 S Diff-Pick up a dime	Categ
4	S4DIME	S4DIME:W4 S Diff-Pick up a dime	Categ
5	S5DIME	S5DIME:W5 S Diff-Pick up a dime	Categ
6	S6DIME	S6DIME:W6 S Diff-Pick up a dime	Categ
7	S7DIME	S7DIME:W7 S Diff-Pick up a dime	Categ
8	S8DIME	S8DIME:W8 S Diff-Pick up a dime	Categ
9	S9DIME	S9DIME:W9 S Diff-Pick up a dime	Categ
10	S10DIME	S10DIME:W10 S Diff-Pick up a dime	Categ
11	S11DIME	S11DIME:W11 S Diff-Pick up a dime	Categ
12	S12DIME	S12DIME:W12 S Diff-Pick up a dime	Categ
13	S13DIME	S13DIME:W13 S Diff-Pick up a dime	Categ
1	R1ARMS	R1ARMS:W1 R Diff-Reach/extnd arms up	Categ
2	R2ARMS	R2ARMS:W2 R Diff-Reach/extnd arms up	Categ

3	R3ARMS	R3ARMS:W3	R	Diff-Reach/extnd	arms up	Categ
4	R4ARMS	R4ARMS:W4	R	Diff-Reach/extnd	arms up	Categ
5	R5ARMS	R5ARMS:W5	R	Diff-Reach/extnd	arms up	Categ
6	R6ARMS	R6ARMS:W6	R	Diff-Reach/extnd	arms up	Categ
7	R7ARMS	R7ARMS:W7	R	Diff-Reach/extnd	arms up	Categ
8	R8ARMS	R8ARMS:W8	R	Diff-Reach/extnd	arms up	Categ
9	R9ARMS	R9ARMS:W9	R	Diff-Reach/extnd	arms up	Categ
10	R10ARMS	R10ARMS:W10	R	Diff-Reach/extnd	arms up	Categ
11	R11ARMS	R11ARMS:W11	R	Diff-Reach/extnd	arms up	Categ
12	R12ARMS	R12ARMS:W12	R	Diff-Reach/extnd	arms up	Categ
13	R13ARMS	R13ARMS:W13	R	Diff-Reach/extnd	arms up	Categ
1	S1ARMS	S1ARMS:W1	S	Diff-Reach/extnd	arms up	Categ
2	S2ARMS	S2ARMS:W2	S	Diff-Reach/extnd	arms up	Categ
3	S3ARMS	S3ARMS:W3	S	Diff-Reach/extnd	arms up	Categ
4	S4ARMS	S4ARMS:W4	S	Diff-Reach/extnd	arms up	Categ
5	S5ARMS	S5ARMS:W5	S	Diff-Reach/extnd	arms up	Categ
6	S6ARMS	S6ARMS:W6	S	Diff-Reach/extnd	arms up	Categ
7	S7ARMS	S7ARMS:W7	S	Diff-Reach/extnd	arms up	Categ
8	S8ARMS	S8ARMS:W8	S	Diff-Reach/extnd	arms up	Categ
9	S9ARMS	S9ARMS:W9	S	Diff-Reach/extnd	arms up	Categ
10	S10ARMS	S10ARMS:W10	S	Diff-Reach/extnd	arms up	Categ
11	S11ARMS	S11ARMS:W11	S	Diff-Reach/extnd	arms up	Categ
12	S12ARMS	S12ARMS:W12	S	Diff-Reach/extnd	arms up	Categ
13	S13ARMS	S13ARMS:W13	S	Diff-Reach/extnd	arms up	Categ
1	R1PUSH	R1PUSH:W1	R	Diff-Push/pull	large obj	Categ
2	R2PUSH	R2PUSH:W2	R	Diff-Push/pull	large obj	Categ
3	R3PUSH	R3PUSH:W3	R	Diff-Push/pull	large obj	Categ
4	R4PUSH	R4PUSH:W4	R	Diff-Push/pull	large obj	Categ
5	R5PUSH	R5PUSH:W5	R	Diff-Push/pull	large obj	Categ
6	R6PUSH	R6PUSH:W6	R	Diff-Push/pull	large obj	Categ
7	R7PUSH	R7PUSH:W7	R	Diff-Push/pull	large obj	Categ
8	R8PUSH	R8PUSH:W8	R	Diff-Push/pull	large obj	Categ
9	R9PUSH	R9PUSH:W9	R	Diff-Push/pull	large obj	Categ
10	R10PUSH	R10PUSH:W10	R	Diff-Push/pull	large obj	Categ
11	R11PUSH	R11PUSH:W11	R	Diff-Push/pull	large obj	Categ
12	R12PUSH	R12PUSH:W12	R	Diff-Push/pull	large obj	Categ
13	R13PUSH	R13PUSH:W13	R	Diff-Push/pull	large obj	Categ
1	S1PUSH	S1PUSH:W1	S	Diff-Push/pull	large obj	Categ
2	S2PUSH	S2PUSH:W2	S	Diff-Push/pull	large obj	Categ
3	S3PUSH	S3PUSH:W3	S	Diff-Push/pull	large obj	Categ
4	S4PUSH	S4PUSH:W4	S	Diff-Push/pull	large obj	Categ
5	S5PUSH	S5PUSH:W5	S	Diff-Push/pull	large obj	Categ
6	S6PUSH	S6PUSH:W6	S	Diff-Push/pull	large obj	Categ
7	S7PUSH	S7PUSH:W7	S	Diff-Push/pull	large obj	Categ
8	S8PUSH	S8PUSH:W8	S	Diff-Push/pull	large obj	Categ
9	S9PUSH	S9PUSH:W9	S	Diff-Push/pull	large obj	Categ
10	S10PUSH	S10PUSH:W10	S	Diff-Push/pull	large obj	Categ
11	S11PUSH	S11PUSH:W11	S	Diff-Push/pull	large obj	Categ
12	S12PUSH	S12PUSH:W12	S	Diff-Push/pull	large obj	Categ
13	S13PUSH	S13PUSH:W13	S	Diff-Push/pull	large obj	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKS	12652	1.55	1.26	1.0	9.0
R2WALKS	18928	0.57	1.32	0.0	9.0
R3WALKS	17949	0.57	1.56	0.0	9.0
R4WALKS	21351	0.52	1.42	0.0	9.0
R5WALKS	19548	0.56	1.52	0.0	9.0
R6WALKS	18155	0.57	1.46	0.0	9.0
R7WALKS	20111	0.56	1.48	0.0	9.0
R8WALKS	18455	0.51	1.27	0.0	9.0

R9WALKS	17202	0.52	1.29	0.0	9.0
R10WALKS	21888	0.39	0.94	0.0	9.0
R11WALKS	20512	0.41	0.95	0.0	9.0
R12WALKS	18710	0.40	0.85	0.0	9.0
R13WALKS	20852	0.37	0.80	0.0	9.0
S1WALKS	9900	1.50	1.18	1.0	9.0
S2WALKS	12695	0.41	1.07	0.0	9.0
S3WALKS	11904	0.42	1.31	0.0	9.0
S4WALKS	13973	0.38	1.20	0.0	9.0
S5WALKS	12722	0.42	1.27	0.0	9.0
S6WALKS	11634	0.41	1.18	0.0	9.0
S7WALKS	12966	0.41	1.21	0.0	9.0
S8WALKS	11731	0.37	1.02	0.0	9.0
S9WALKS	10642	0.38	1.04	0.0	9.0
S10WALKS	13424	0.29	0.74	0.0	9.0
S11WALKS	12476	0.32	0.80	0.0	9.0
S12WALKS	11002	0.31	0.69	0.0	9.0
S13WALKS	11758	0.28	0.63	0.0	9.0
R1JOG	12652	3.90	2.56	1.0	9.0
R2JOG	11361	1.66	2.01	0.0	9.0
R3JOG	12591	4.79	4.17	0.0	9.0
R4JOG	15068	4.90	4.16	0.0	9.0
R5JOG	13467	5.17	4.16	0.0	9.0
R6JOG	12062	4.78	4.13	0.0	9.0
R7JOG	13695	4.11	4.09	0.0	9.0
R8JOG	12261	3.63	3.95	0.0	9.0
R9JOG	11316	3.59	3.94	0.0	9.0
R10JOG	14976	1.98	3.14	0.0	9.0
R11JOG	13836	2.05	3.18	0.0	9.0
R12JOG	12325	1.74	2.90	0.0	9.0
R13JOG	14175	1.65	2.88	0.0	9.0
S1JOG	9900	3.82	2.53	1.0	9.0
S2JOG	8697	1.65	2.02	0.0	9.0
S3JOG	9057	4.57	4.17	0.0	9.0
S4JOG	10681	4.70	4.17	0.0	9.0
S5JOG	9514	4.97	4.18	0.0	9.0
S6JOG	8470	4.55	4.13	0.0	9.0
S7JOG	9655	3.88	4.05	0.0	9.0
S8JOG	8563	3.39	3.88	0.0	9.0
S9JOG	7747	3.37	3.88	0.0	9.0
S10JOG	9994	1.77	2.95	0.0	9.0
S11JOG	9172	1.84	3.01	0.0	9.0
S12JOG	7964	1.52	2.68	0.0	9.0
S13JOG	8690	1.50	2.74	0.0	9.0
R1WALK1	12652	1.23	0.82	1.0	9.0
R2WALK1	11071	0.11	0.42	0.0	4.0
R3WALK1	17949	0.26	1.05	0.0	9.0
R4WALK1	21350	0.24	0.93	0.0	9.0
R5WALK1	19548	0.27	1.04	0.0	9.0
R6WALK1	18152	0.28	0.99	0.0	9.0
R7WALK1	20114	0.28	1.06	0.0	9.0
R8WALK1	18455	0.27	0.95	0.0	9.0
R9WALK1	17203	0.27	0.93	0.0	9.0
R10WALK1	21889	0.21	0.71	0.0	9.0
R11WALK1	20514	0.22	0.72	0.0	9.0

R12WALK1	18714	0.22	0.69	0.0	9.0
R13WALK1	20854	0.20	0.63	0.0	9.0
S1WALK1	9900	1.20	0.76	1.0	9.0
S2WALK1	8474	0.09	0.39	0.0	4.0
S3WALK1	11905	0.17	0.79	0.0	9.0
S4WALK1	13971	0.16	0.71	0.0	9.0
S5WALK1	12723	0.18	0.81	0.0	9.0
S6WALK1	11635	0.19	0.78	0.0	9.0
S7WALK1	12970	0.18	0.82	0.0	9.0
S8WALK1	11731	0.18	0.71	0.0	9.0
S9WALK1	10642	0.18	0.71	0.0	9.0
S10WALK1	13427	0.14	0.52	0.0	9.0
S11WALK1	12475	0.15	0.57	0.0	9.0
S12WALK1	11001	0.15	0.54	0.0	9.0
S13WALK1	11765	0.15	0.53	0.0	9.0
R1SIT	12652	1.53	1.03	1.0	9.0
R2SIT	11407	0.29	0.68	0.0	9.0
R3SIT	17950	0.28	0.95	0.0	9.0
R4SIT	21347	0.27	0.95	0.0	9.0
R5SIT	19545	0.27	0.95	0.0	9.0
R6SIT	18151	0.29	0.95	0.0	9.0
R7SIT	20106	0.26	0.84	0.0	9.0
R8SIT	18451	0.26	0.80	0.0	9.0
R9SIT	17203	0.25	0.81	0.0	9.0
R10SIT	21878	0.24	0.69	0.0	9.0
R11SIT	20520	0.25	0.73	0.0	9.0
R12SIT	18717	0.25	0.70	0.0	9.0
R13SIT	20842	0.25	0.69	0.0	9.0
S1SIT	9900	1.52	1.01	1.0	9.0
S2SIT	8728	0.27	0.65	0.0	9.0
S3SIT	11905	0.26	0.91	0.0	9.0
S4SIT	13972	0.26	0.91	0.0	9.0
S5SIT	12722	0.25	0.88	0.0	9.0
S6SIT	11635	0.27	0.92	0.0	9.0
S7SIT	12964	0.24	0.80	0.0	9.0
S8SIT	11727	0.23	0.72	0.0	9.0
S9SIT	10643	0.23	0.75	0.0	9.0
S10SIT	13426	0.22	0.65	0.0	9.0
S11SIT	12478	0.22	0.66	0.0	9.0
S12SIT	11001	0.22	0.63	0.0	9.0
S13SIT	11756	0.23	0.64	0.0	9.0
R1CHAIR	12652	1.54	0.88	1.0	9.0
R2CHAIR	11412	0.41	0.66	0.0	9.0
R3CHAIR	17948	0.39	0.67	0.0	9.0
R4CHAIR	21352	0.39	0.65	0.0	9.0
R5CHAIR	19546	0.41	0.66	0.0	9.0
R6CHAIR	18149	0.43	0.63	0.0	9.0
R7CHAIR	20105	0.42	0.65	0.0	9.0
R8CHAIR	18452	0.44	0.63	0.0	9.0
R9CHAIR	17203	0.44	0.66	0.0	9.0
R10CHAIR	21876	0.41	0.58	0.0	9.0
R11CHAIR	20503	0.40	0.56	0.0	9.0
R12CHAIR	18700	0.41	0.57	0.0	9.0
R13CHAIR	20832	0.40	0.59	0.0	9.0

S1CHAIR	9900	1.51	0.85	1.0	9.0
S2CHAIR	8734	0.38	0.64	0.0	9.0
S3CHAIR	11903	0.36	0.64	0.0	9.0
S4CHAIR	13972	0.35	0.61	0.0	9.0
S5CHAIR	12721	0.36	0.60	0.0	9.0
S6CHAIR	11632	0.39	0.58	0.0	9.0
S7CHAIR	12964	0.38	0.61	0.0	9.0
S8CHAIR	11726	0.40	0.58	0.0	9.0
S9CHAIR	10641	0.39	0.61	0.0	9.0
S10CHAIR	13419	0.37	0.54	0.0	9.0
S11CHAIR	12466	0.36	0.53	0.0	9.0
S12CHAIR	10992	0.37	0.52	0.0	9.0
S13CHAIR	11750	0.35	0.54	0.0	9.0
R1CLIMS	12652	2.05	1.52	1.0	9.0
R2CLIMS	11385	0.56	1.06	0.0	9.0
R3CLIMS	17944	1.52	2.83	0.0	9.0
R4CLIMS	21333	1.45	2.76	0.0	9.0
R5CLIMS	19530	1.47	2.76	0.0	9.0
R6CLIMS	18141	1.48	2.72	0.0	9.0
R7CLIMS	20075	1.31	2.54	0.0	9.0
R8CLIMS	18423	1.15	2.26	0.0	9.0
R9CLIMS	17186	1.21	2.35	0.0	9.0
R10CLIMS	21835	0.82	1.71	0.0	9.0
R11CLIMS	20496	0.87	1.81	0.0	9.0
R12CLIMS	18685	0.82	1.65	0.0	9.0
R13CLIMS	20822	0.76	1.59	0.0	9.0
S1CLIMS	9900	1.97	1.44	1.0	9.0
S2CLIMS	8719	0.51	1.02	0.0	9.0
S3CLIMS	11900	1.26	2.61	0.0	9.0
S4CLIMS	13962	1.21	2.53	0.0	9.0
S5CLIMS	12712	1.22	2.53	0.0	9.0
S6CLIMS	11628	1.20	2.46	0.0	9.0
S7CLIMS	12946	1.04	2.25	0.0	9.0
S8CLIMS	11715	0.91	1.97	0.0	9.0
S9CLIMS	10635	0.97	2.08	0.0	9.0
S10CLIMS	13401	0.65	1.43	0.0	9.0
S11CLIMS	12466	0.68	1.50	0.0	9.0
S12CLIMS	10985	0.65	1.37	0.0	9.0
S13CLIMS	11746	0.59	1.30	0.0	9.0
R1CLIM1	12652	1.37	0.98	1.0	9.0
R2CLIM1	19257	0.47	1.38	0.0	9.0
R3CLIM1	17946	0.58	1.82	0.0	9.0
R4CLIM1	21344	0.54	1.74	0.0	9.0
R5CLIM1	19539	0.58	1.81	0.0	9.0
R6CLIM1	18147	0.54	1.69	0.0	9.0
R7CLIM1	20094	0.52	1.65	0.0	9.0
R8CLIM1	18446	0.46	1.47	0.0	9.0
R9CLIM1	17198	0.49	1.54	0.0	9.0
R10CLIM1	21866	0.33	1.11	0.0	9.0
R11CLIM1	20512	0.37	1.20	0.0	9.0
R12CLIM1	18701	0.35	1.12	0.0	9.0
R13CLIM1	20830	0.32	1.05	0.0	9.0
S1CLIM1	9900	1.32	0.90	1.0	9.0
S2CLIM1	12923	0.30	1.01	0.0	9.0
S3CLIM1	11901	0.40	1.50	0.0	9.0

S4CLIM1	13968	0.36	1.40	0.0	9.0
S5CLIM1	12717	0.39	1.46	0.0	9.0
S6CLIM1	11632	0.35	1.33	0.0	9.0
S7CLIM1	12962	0.34	1.30	0.0	9.0
S8CLIM1	11725	0.31	1.17	0.0	9.0
S9CLIM1	10639	0.30	1.15	0.0	9.0
S10CLIM1	13423	0.22	0.85	0.0	9.0
S11CLIM1	12470	0.25	0.93	0.0	9.0
S12CLIM1	10995	0.24	0.87	0.0	9.0
S13CLIM1	11753	0.22	0.77	0.0	9.0
R1STOOP	12652	1.78	1.15	1.0	9.0
R2STOOP	11415	0.51	0.77	0.0	9.0
R3STOOP	17945	0.58	1.21	0.0	9.0
R4STOOP	21347	0.60	1.24	0.0	9.0
R5STOOP	19546	0.62	1.27	0.0	9.0
R6STOOP	18147	0.65	1.23	0.0	9.0
R7STOOP	20098	0.66	1.31	0.0	9.0
R8STOOP	18448	0.64	1.14	0.0	9.0
R9STOOP	17200	0.65	1.17	0.0	9.0
R10STOOP	21867	0.55	0.90	0.0	9.0
R11STOOP	20502	0.56	0.98	0.0	9.0
R12STOOP	18691	0.56	0.91	0.0	9.0
R13STOOP	20834	0.53	0.88	0.0	9.0
S1STOOP	9900	1.73	1.09	1.0	9.0
S2STOOP	8737	0.47	0.74	0.0	9.0
S3STOOP	11902	0.49	1.03	0.0	9.0
S4STOOP	13969	0.51	1.12	0.0	9.0
S5STOOP	12722	0.52	1.09	0.0	9.0
S6STOOP	11633	0.54	1.01	0.0	9.0
S7STOOP	12964	0.55	1.13	0.0	9.0
S8STOOP	11729	0.54	0.96	0.0	9.0
S9STOOP	10641	0.55	0.98	0.0	9.0
S10STOOP	13421	0.48	0.78	0.0	9.0
S11STOOP	12465	0.48	0.80	0.0	9.0
S12STOOP	10988	0.48	0.76	0.0	9.0
S13STOOP	11757	0.46	0.74	0.0	9.0
R1LIFT	12652	1.53	1.17	1.0	9.0
R2LIFT	19149	0.57	1.41	0.0	9.0
R3LIFT	17949	0.74	2.02	0.0	9.0
R4LIFT	21344	0.67	1.90	0.0	9.0
R5LIFT	19543	0.67	1.91	0.0	9.0
R6LIFT	18151	0.65	1.85	0.0	9.0
R7LIFT	20103	0.61	1.77	0.0	9.0
R8LIFT	18453	0.55	1.59	0.0	9.0
R9LIFT	17200	0.56	1.60	0.0	9.0
R10LIFT	21877	0.43	1.20	0.0	9.0
R11LIFT	20515	0.43	1.23	0.0	9.0
R12LIFT	18710	0.41	1.11	0.0	9.0
R13LIFT	20851	0.38	1.05	0.0	9.0
S1LIFT	9900	1.46	1.09	1.0	9.0
S2LIFT	12883	0.40	1.11	0.0	9.0
S3LIFT	11904	0.51	1.67	0.0	9.0
S4LIFT	13970	0.47	1.58	0.0	9.0
S5LIFT	12721	0.44	1.50	0.0	9.0
S6LIFT	11634	0.42	1.45	0.0	9.0

S7LIFT	12967	0.40	1.40	0.0	9.0
S8LIFT	11732	0.36	1.23	0.0	9.0
S9LIFT	10642	0.36	1.23	0.0	9.0
S10LIFT	13422	0.29	0.92	0.0	9.0
S11LIFT	12474	0.29	0.93	0.0	9.0
S12LIFT	10999	0.28	0.84	0.0	9.0
S13LIFT	11764	0.26	0.83	0.0	9.0
R1DIME	12652	1.11	0.47	1.0	9.0
R2DIME	19576	0.09	0.47	0.0	9.0
R3DIME	17948	0.10	0.51	0.0	9.0
R4DIME	21337	0.10	0.54	0.0	9.0
R5DIME	19534	0.10	0.55	0.0	9.0
R6DIME	18140	0.10	0.51	0.0	9.0
R7DIME	20087	0.10	0.52	0.0	9.0
R8DIME	18439	0.10	0.45	0.0	9.0
R9DIME	17187	0.10	0.47	0.0	9.0
R10DIME	21864	0.09	0.41	0.0	9.0
R11DIME	20518	0.09	0.41	0.0	9.0
R12DIME	18710	0.09	0.37	0.0	9.0
R13DIME	20846	0.09	0.41	0.0	9.0
S1DIME	9900	1.09	0.44	1.0	9.0
S2DIME	13058	0.07	0.37	0.0	9.0
S3DIME	11904	0.08	0.47	0.0	9.0
S4DIME	13967	0.08	0.46	0.0	9.0
S5DIME	12719	0.08	0.46	0.0	9.0
S6DIME	11630	0.07	0.42	0.0	9.0
S7DIME	12961	0.07	0.43	0.0	9.0
S8DIME	11728	0.07	0.34	0.0	9.0
S9DIME	10640	0.07	0.37	0.0	9.0
S10DIME	13418	0.07	0.36	0.0	9.0
S11DIME	12480	0.07	0.37	0.0	9.0
S12DIME	10998	0.07	0.28	0.0	9.0
S13DIME	11757	0.07	0.38	0.0	9.0
R1ARMS	12652	1.20	0.65	1.0	9.0
R2ARMS	11411	0.17	0.49	0.0	4.0
R3ARMS	17949	0.23	0.78	0.0	9.0
R4ARMS	21343	0.21	0.75	0.0	9.0
R5ARMS	19537	0.21	0.71	0.0	9.0
R6ARMS	18145	0.22	0.72	0.0	9.0
R7ARMS	20100	0.21	0.70	0.0	9.0
R8ARMS	18449	0.22	0.69	0.0	9.0
R9ARMS	17199	0.21	0.64	0.0	9.0
R10ARMS	21876	0.21	0.56	0.0	9.0
R11ARMS	20523	0.20	0.57	0.0	9.0
R12ARMS	18706	0.21	0.54	0.0	9.0
R13ARMS	20846	0.20	0.52	0.0	9.0
S1ARMS	9900	1.18	0.61	1.0	9.0
S2ARMS	8737	0.15	0.46	0.0	4.0
S3ARMS	11903	0.19	0.68	0.0	9.0
S4ARMS	13968	0.17	0.62	0.0	9.0
S5ARMS	12716	0.17	0.60	0.0	9.0
S6ARMS	11633	0.17	0.61	0.0	9.0
S7ARMS	12964	0.17	0.59	0.0	9.0
S8ARMS	11729	0.17	0.56	0.0	9.0
S9ARMS	10641	0.17	0.57	0.0	9.0

S10ARMS	13421	0.16	0.47	0.0	9.0
S11ARMS	12476	0.16	0.50	0.0	9.0
S12ARMS	10998	0.17	0.46	0.0	9.0
S13ARMS	11761	0.17	0.47	0.0	9.0
R1PUSH	12652	1.55	1.22	1.0	9.0
R2PUSH	19220	0.73	1.69	0.0	9.0
R3PUSH	17947	1.06	2.50	0.0	9.0
R4PUSH	21345	0.98	2.40	0.0	9.0
R5PUSH	19540	0.97	2.39	0.0	9.0
R6PUSH	18150	0.95	2.33	0.0	9.0
R7PUSH	20098	0.83	2.15	0.0	9.0
R8PUSH	18445	0.74	1.94	0.0	9.0
R9PUSH	17198	0.75	1.98	0.0	9.0
R10PUSH	21878	0.52	1.41	0.0	9.0
R11PUSH	20515	0.54	1.46	0.0	9.0
R12PUSH	18708	0.47	1.23	0.0	9.0
R13PUSH	20853	0.46	1.27	0.0	9.0
S1PUSH	9900	1.49	1.14	1.0	9.0
S2PUSH	12913	0.52	1.37	0.0	9.0
S3PUSH	11904	0.81	2.20	0.0	9.0
S4PUSH	13969	0.75	2.11	0.0	9.0
S5PUSH	12720	0.70	2.02	0.0	9.0
S6PUSH	11630	0.67	1.97	0.0	9.0
S7PUSH	12961	0.59	1.80	0.0	9.0
S8PUSH	11727	0.52	1.59	0.0	9.0
S9PUSH	10639	0.49	1.56	0.0	9.0
S10PUSH	13425	0.37	1.13	0.0	9.0
S11PUSH	12473	0.38	1.16	0.0	9.0
S12PUSH	10995	0.33	0.96	0.0	9.0
S13PUSH	11762	0.32	1.00	0.0	9.0

Categorical Variable Codes

R1WALKS: R Diff-Walk sev blocks

Value	|	w1
1.Not at all diff	|	9441
2.A little diff	|	1320
3.Somewhat diff	|	886
4.Very diff/can't do	|	824
9.Don't do	|	181

R2WALKS: R Diff-Walk sev blocks

Value	|	w2
.D=DK/NA	|	340
.M=Oth missing	|	373
.R=RF	|	1
0.No	|	14211
1.Yes,a little	|	1600
2.Yes,a lot	|	2079
3.Yes,DK/NA how much	|	498
4.Yes,RF how much	|	2
5.Can't do	|	338
9.Don't do	|	200

RwWALKS: R Diff-Walk sev blocks

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	3	4	3	5	4	7	11
.M=Oth missing	|	1							
.R=RF	|	2	5	3		4	3	1	7
.S=Skip	|	35	25	23	7	9	7	7	128
0.No	|	12593	15073	13471	12070	13706	12268	11330	15016
1.Yes	|	4215	5103	4964	5030	5280	5376	5100	6440
2.Can't do	|	609	668	571	593	599	475	449	244
9.Don't do	|	532	507	542	462	526	336	323	188

Value	|	w11	w12	w13
.D=DK/NA	|	19	21	18
.M=Oth missing	|			
.R=RF	|	5	1	6
.S=Skip	|	18	15	36
0.No	|	13860	12354	14219
1.Yes	|	6250	6096	6341
2.Can't do	|	222	140	179
9.Don't do	|	180	120	113

S1WALKS: S Diff-Walk sev blocks

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	7551
2.A little diff	|	1004
3.Somewhat diff	|	640
4.Very diff/can't do	|	590
9.Don't do	|	115

S2WALKS: S Diff-Walk sev blocks

Value	|	w2
.D=DK/NA	|	260
.M=Oth missing	|	134
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	584
0.No	|	10171
1.Yes,a little	|	916
2.Yes,a lot	|	1194
3.Yes,DK/NA how much	|	220
4.Yes,RF how much	|	1
5.Can't do	|	120
9.Don't do	|	73

SwWALKS: S Diff-Walk sev blocks

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	3	4	3	5	4	7	11
.M=Oth missing	|	1							
.R=RF	|	2	5	3		4	3	1	7
.S=Skip	|	35	25	23	7	9	7	7	128
0.No	|	12593	15073	13471	12070	13706	12268	11330	15016
1.Yes	|	4215	5103	4964	5030	5280	5376	5100	6440
2.Can't do	|	609	668	571	593	599	475	449	244
9.Don't do	|	532	507	542	462	526	336	323	188

Value	|	w11	w12	w13
.D=DK/NA	|	19	21	18
.M=Oth missing	|			
.R=RF	|	5	1	6
.S=Skip	|	18	15	36
0.No	|	13860	12354	14219
1.Yes	|	6250	6096	6341
2.Can't do	|	222	140	179
9.Don't do	|	180	120	113

R1JOG: R Diff-Jog one mile

Value	|	w1
1.Not at all diff	|	1854
2.A little diff	|	2230
3.Somewhat diff	|	2330
4.Very diff/can't do	|	4027
9.Don't do	|	2211

R2JOG: R Diff-Jog one mile

Value	|	w2
.D=DK/NA	|	55
.Q=Not asked this wv	|	8222
.R=RF	|	4
0.No	|	3200
1.Yes,a little	|	2123
2.Yes,a lot	|	5302
3.Yes,DK/NA how much	|	68
4.Yes,RF how much	|	10
9.Don't do	|	658

RwJOG: R Diff-Jog one mile

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	2	4	4	8	10	6	14	36
.R=RF	|					1	1		3
.S=Skip	|	5398	6312	6107	6095	6423	6201	5887	7019
0.No	|	2675	3119	2618	2138	3054	2841	2661	5563
1.Yes	|	2813	3169	2738	3157	4047	4068	3810	6124
2.Can't do	|	925	1196	866	911	1011	1103	965	859
9.Don't do	|	6178	7584	7245	5856	5583	4249	3880	2430

Value	|	w11	w12	w13
.D=DK/NA	|	23	25	42
.R=RF	|	1	4	2
.S=Skip	|	6694	6393	6693
0.No	|	5014	4684	6086
1.Yes	|	5689	5320	5530
2.Can't do	|	794	683	734
9.Don't do	|	2339	1638	1825

S1JOG: S Diff-Jog one mile

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	1495
2.A little diff	|	1810
3.Somewhat diff	|	1902
4.Very diff/can't do	|	3053
9.Don't do	|	1640

S2JOG: S Diff-Jog one mile

Value	|	w2
.D=DK/NA	|	40
.Q=Not asked this wv	|	4549
.R=RF	|	4
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	2492
1.Yes,a little	|	1684
2.Yes,a lot	|	3959
3.Yes,DK/NA how much	|	50
4.Yes,RF how much	|	7
9.Don't do	|	505

SwJOG: S Diff-Jog one mile

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	2	4	4	8	10	6	14	36
.R=RF	|					1	1		3
.S=Skip	|	5398	6312	6107	6095	6423	6201	5887	7019
0.No	|	2675	3119	2618	2138	3054	2841	2661	5563
1.Yes	|	2813	3169	2738	3157	4047	4068	3810	6124
2.Can't do	|	925	1196	866	911	1011	1103	965	859
9.Don't do	|	6178	7584	7245	5856	5583	4249	3880	2430

Value	|	w11	w12	w13
.D=DK/NA	|	23	25	42
.R=RF	|	1	4	2
.S=Skip	|	6694	6393	6693
0.No	|	5014	4684	6086
1.Yes	|	5689	5320	5530
2.Can't do	|	794	683	734
9.Don't do	|	2339	1638	1825

R1WALK1: R Diff-Walk one block

Value	|	w1
1.Not at all diff	|	11271
2.A little diff	|	605
3.Somewhat diff	|	396
4.Very diff/can't do	|	314
9.Don't do	|	66

R2WALK1: R Diff-Walk one block

Value	|	w2
.D=DK/NA	|	347
.Q=Not asked this wv	|	8222
.R=RF	|	2
0.No	|	10332
1.Yes,a little	|	294
2.Yes,a lot	|	441
4.Yes,RF how much	|	4

RwWALK1: R Diff-Walk one block

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	4	4	6	3	4	5	10
.M=Oth missing	|	1							
.R=RF	|	2	5	3		3	3	1	7
.S=Skip	|	35	25	23	7	9	7	8	128
0.No	|	15368	18287	16477	15041	16875	15257	14119	18347
1.Yes	|	1969	2401	2433	2517	2588	2659	2593	3242
2.Can't do	|	398	472	412	407	404	367	341	201
9.Don't do	|	214	190	226	187	247	172	150	99

Value	|	w11	w12	w13
.D=DK/NA	|	18	16	16
.M=Oth missing	|			
.R=RF	|	4	2	6
.S=Skip	|	18	15	36
0.No	|	16987	15403	17397
1.Yes	|	3256	3117	3241
2.Can't do	|	177	119	150
9.Don't do	|	94	75	66

S1WALK1: S Diff-Walk one block

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	8949
2.A little diff	|	420
3.Somewhat diff	|	273
4.Very diff/can't do	|	218
9.Don't do	|	40

S2WALK1: S Diff-Walk one block

Value	|	w2
.D=DK/NA	|	265
.Q=Not asked this wv	|	4549
.R=RF	|	2
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	7988
1.Yes,a little	|	210
2.Yes,a lot	|	273
4.Yes,RF how much	|	3

SwWALK1: S Diff-Walk one block

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	4	4	6	3	4	5	10
.M=Oth missing	|	1							
.R=RF	|	2	5	3		3	3	1	7
.S=Skip	|	35	25	23	7	9	7	8	128
0.No	|	15368	18287	16477	15041	16875	15257	14119	18347
1.Yes	|	1969	2401	2433	2517	2588	2659	2593	3242
2.Can't do	|	398	472	412	407	404	367	341	201
9.Don't do	|	214	190	226	187	247	172	150	99

Value	|	w11	w12	w13
.D=DK/NA	|	18	16	16
.M=Oth missing	|			
.R=RF	|	4	2	6
.S=Skip	|	18	15	36
0.No	|	16987	15403	17397
1.Yes	|	3256	3117	3241
2.Can't do	|	177	119	150
9.Don't do	|	94	75	66

R1SIT: R Diff-Sit for 2 hours

Value	|	w1
1.Not at all diff	|	8943
2.A little diff	|	1763
3.Somewhat diff	|	1169
4.Very diff/can't do	|	711
9.Don't do	|	66

R2SIT: R Diff-Sit for 2 hours

Value	|	w2
.D=DK/NA	|	12
.Q=Not asked this wv	|	8222
.R=RF	|	1
0.No	|	9166
1.Yes,a little	|	1324
2.Yes,a lot	|	895
3.Yes,DK/NA how much	|	4
4.Yes,RF how much	|	2
9.Don't do	|	16

RwSIT: R Diff-Sit for 2 hours

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	6	7	7	7	8	5	18
.R=RF	|	2	5	3		6	3	1	9
.S=Skip	|	35	26	23	7	10	7	8	129
0.No	|	14486	17275	15790	14405	16112	14718	13786	17349
1.Yes	|	3169	3751	3468	3498	3756	3517	3224	4376
2.Can't do	|	123	113	98	75	96	105	84	64
9.Don't do	|	172	208	189	173	142	111	109	89

Value	|	w11	w12	w13
.D=DK/NA	|	13	9	29
.R=RF	|	3	5	5
.S=Skip	|	18	16	36
0.No	|	16186	14699	16262
1.Yes	|	4174	3879	4425
2.Can't do	|	63	62	73
9.Don't do	|	97	77	82

S1SIT: S Diff-Sit for 2 hours

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	7049
2.A little diff	|	1396
3.Somewhat diff	|	901
4.Very diff/can't do	|	506
9.Don't do	|	48

S2SIT: S Diff-Sit for 2 hours

Value	|	w2
.D=DK/NA	|	12
.Q=Not asked this wv	|	4549
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	7111
1.Yes,a little	|	999
2.Yes,a lot	|	602
3.Yes,DK/NA how much	|	3
4.Yes,RF how much	|	2
9.Don't do	|	11

SwSIT: S Diff-Sit for 2 hours

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	6	7	7	7	8	5	18
.R=RF	|	2	5	3		6	3	1	9
.S=Skip	|	35	26	23	7	10	7	8	129
0.No	|	14486	17275	15790	14405	16112	14718	13786	17349
1.Yes	|	3169	3751	3468	3498	3756	3517	3224	4376
2.Can't do	|	123	113	98	75	96	105	84	64
9.Don't do	|	172	208	189	173	142	111	109	89

Value	|	w11	w12	w13
.D=DK/NA	|	13	9	29
.R=RF	|	3	5	5
.S=Skip	|	18	16	36
0.No	|	16186	14699	16262
1.Yes	|	4174	3879	4425
2.Can't do	|	63	62	73
9.Don't do	|	97	77	82

R1CHAIR: R Diff-Get up fr chair

Value	|	w1
1.Not at all diff	|	8152
2.A little diff	|	2768
3.Somewhat diff	|	1234
4.Very diff/can't do	|	472
9.Don't do	|	26

R2CHAIR: R Diff-Get up fr chair

Value	|	w2
.D=DK/NA	|	7
.Q=Not asked this wv	|	8222
.R=RF	|	1
0.No	|	7742
1.Yes,a little	|	2704
2.Yes,a lot	|	953
3.Yes,DK/NA how much	|	4
4.Yes,RF how much	|	6
9.Don't do	|	3

RwCHAIR: R Diff-Get up fr chair

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	1	6	9	9	7	4	19
.M=Oth missing	|	1							
.R=RF	|	3	5	3		5	3	2	10
.S=Skip	|	35	26	23	7	10	7	8	129
0.No	|	11414	13524	12143	10715	12243	10707	10043	13238
1.Yes	|	6327	7602	7201	7246	7657	7547	6987	8532
2.Can't do	|	158	177	152	154	161	164	133	79
9.Don't do	|	49	49	50	34	44	34	40	27

Value	|	w11	w12	w13
.D=DK/NA	|	31	25	38
.M=Oth missing	|			
.R=RF	|	2	6	6
.S=Skip	|	18	16	36
0.No	|	12466	11179	12856
1.Yes	|	7936	7449	7877
2.Can't do	|	81	53	70
9.Don't do	|	20	19	29

S1CHAIR: S Diff-Get up fr chair

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	6476
2.A little diff	|	2188
3.Somewhat diff	|	902
4.Very diff/can't do	|	317
9.Don't do	|	17

S2CHAIR: S Diff-Get up fr chair

Value	|	w2
.D=DK/NA	|	6
.Q=Not asked this wv	|	4549
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	6061
1.Yes,a little	|	2045
2.Yes,a lot	|	619
3.Yes,DK/NA how much	|	2
4.Yes,RF how much	|	4
9.Don't do	|	3

SwCHAIR: S Diff-Get up fr chair

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	1	6	9	9	7	4	19
.M=Oth missing	|	1							
.R=RF	|	3	5	3		5	3	2	10
.S=Skip	|	35	26	23	7	10	7	8	129
0.No	|	11414	13524	12143	10715	12243	10707	10043	13238
1.Yes	|	6327	7602	7201	7246	7657	7547	6987	8532
2.Can't do	|	158	177	152	154	161	164	133	79
9.Don't do	|	49	49	50	34	44	34	40	27

Value	|	w11	w12	w13
.D=DK/NA	|	31	25	38
.M=Oth missing	|			
.R=RF	|	2	6	6
.S=Skip	|	18	16	36
0.No	|	12466	11179	12856
1.Yes	|	7936	7449	7877
2.Can't do	|	81	53	70
9.Don't do	|	20	19	29

R1CLIMS: R Diff-Climb sev flt stair

Value	|	w1
1.Not at all diff	|	6369
2.A little diff	|	2793
3.Somewhat diff	|	1506
4.Very diff/can't do	|	1684
9.Don't do	|	300

R2CLIMS: R Diff-Climb sev flt stair

Value	|	w2
.D=DK/NA	|	34
.Q=Not asked this wv	|	8222
.R=RF	|	1
0.No	|	7507
1.Yes,a little	|	1991
2.Yes,a lot	|	1795
3.Yes,DK/NA how much	|	2
4.Yes,RF how much	|	1
9.Don't do	|	89

RwCLIMS: R Diff-Climb sev flt stair

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	9	19	22	17	39	34	22	60
.R=RF	|	3	6	3		5	5	1	10
.S=Skip	|	35	26	23	7	10	7	8	129
0.No	|	9101	10957	9791	8524	9966	8808	8177	11269
1.Yes	|	5540	6654	6370	6485	7007	7195	6684	8940
2.Can't do	|	1143	1303	1141	1123	1227	1102	967	801
9.Don't do	|	2160	2419	2228	2009	1875	1318	1358	825

Value	|	w11	w12	w13
.D=DK/NA	|	38	41	41
.R=RF	|	2	5	13
.S=Skip	|	18	16	36
0.No	|	10429	9181	10954
1.Yes	|	8389	8209	8493
2.Can't do	|	803	641	720
9.Don't do	|	875	654	655

 S1CLIMS: S Diff-Climb sev flt stair

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	5188
2.A little diff	|	2193
3.Somewhat diff	|	1169
4.Very diff/can't do	|	1152
9.Don't do	|	198

 S2CLIMS: S Diff-Climb sev flt stair

Value	|	w2
.D=DK/NA	|	21
.Q=Not asked this wv	|	4549
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	5966
1.Yes,a little	|	1466
2.Yes,a lot	|	1225
4.Yes,RF how much	|	1
9.Don't do	|	61

 SwCLIMS: S Diff-Climb sev flt stair

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	9	19	22	17	39	34	22	60
.R=RF	|	3	6	3		5	5	1	10
.S=Skip	|	35	26	23	7	10	7	8	129
0.No	|	9101	10957	9791	8524	9966	8808	8177	11269
1.Yes	|	5540	6654	6370	6485	7007	7195	6684	8940
2.Can't do	|	1143	1303	1141	1123	1227	1102	967	801
9.Don't do	|	2160	2419	2228	2009	1875	1318	1358	825

Value	|	w11	w12	w13
.D=DK/NA	|	38	41	41
.R=RF	|	2	5	13
.S=Skip	|	18	16	36
0.No	|	10429	9181	10954
1.Yes	|	8389	8209	8493
2.Can't do	|	803	641	720
9.Don't do	|	875	654	655

R1CLIM1: R Diff-Climb one flt stair

Value	|	w1
1.Not at all diff	|	10323
2.A little diff	|	1066
3.Somewhat diff	|	649
4.Very diff/can't do	|	527
9.Don't do	|	87

R2CLIM1: R Diff-Climb one flt stair

Value	|	w2
.D=DK/NA	|	94
.M=Oth missing	|	290
.R=RF	|	1
0.No	|	15709
1.Yes,a little	|	1348
2.Yes,a lot	|	1155
3.Yes,DK/NA how much	|	493
5.Can't do	|	256
9.Don't do	|	296

RwCLIM1: R Diff-Climb one flt stair

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	6	8	13	11	20	14	10	32
.R=RF	|	4	6	3		5	2	1	7
.S=Skip	|	35	26	23	7	10	7	8	129
0.No	|	14272	17032	15323	14161	15756	14350	13348	17390
1.Yes	|	2248	2727	2704	2657	2917	2937	2747	3732
2.Can't do	|	680	783	707	690	750	687	615	452
9.Don't do	|	746	802	805	639	671	472	488	292

Value	|	w11	w12	w13
.D=DK/NA	|	21	27	39
.R=RF	|	3	3	7
.S=Skip	|	18	16	36
0.No	|	16095	14607	16428
1.Yes	|	3624	3495	3756
2.Can't do	|	465	340	402
9.Don't do	|	328	259	244

S1CLIM1: S Diff-Climb one flt stair

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	8259
2.A little diff	|	784
3.Somewhat diff	|	460
4.Very diff/can't do	|	345
9.Don't do	|	52

S2CLIM1: S Diff-Climb one flt stair

Value	|	w2
.D=DK/NA	|	66
.M=Oth missing	|	100
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	584
0.No	|	11145
1.Yes,a little	|	779
2.Yes,a lot	|	616
3.Yes,DK/NA how much	|	217
5.Can't do	|	79
9.Don't do	|	87

SwCLIM1: S Diff-Climb one flt stair

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	6	8	13	11	20	14	10	32
.R=RF	|	4	6	3		5	2	1	7
.S=Skip	|	35	26	23	7	10	7	8	129
0.No	|	14272	17032	15323	14161	15756	14350	13348	17390
1.Yes	|	2248	2727	2704	2657	2917	2937	2747	3732
2.Can't do	|	680	783	707	690	750	687	615	452
9.Don't do	|	746	802	805	639	671	472	488	292

Value	|	w11	w12	w13
.D=DK/NA	|	21	27	39
.R=RF	|	3	3	7
.S=Skip	|	18	16	36
0.No	|	16095	14607	16428
1.Yes	|	3624	3495	3756
2.Can't do	|	465	340	402
9.Don't do	|	328	259	244

R1STOOP: R Diff-Stoop/Kneel/Crouch

Value	|	w1
1.Not at all diff	|	7258
2.A little diff	|	2623
3.Somewhat diff	|	1414
4.Very diff/can't do	|	1284
9.Don't do	|	73

R2STOOP: R Diff-Stoop/Kneel/Crouch

Value	|	w2
.D=DK/NA	|	4
.Q=Not asked this wv	|	8222
.R=RF	|	1
0.No	|	7429
1.Yes,a little	|	2248
2.Yes,a lot	|	1721
3.Yes,DK/NA how much	|	6
4.Yes,RF how much	|	7
9.Don't do	|	4

RwSTOOP: R Diff-Stoop/Kneel/Crouch

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	7	5	5	11	16	11	8	26
.R=RF	|	4	6	4		5	3	1	10
.S=Skip	|	35	26	23	7	10	7	8	131
0.No	|	10503	12436	11054	9602	10836	9439	8713	11629
1.Yes	|	6358	7618	7372	7459	7989	7962	7577	9491
2.Can't do	|	804	932	766	786	880	797	653	592
9.Don't do	|	280	361	354	300	393	250	257	155

Value	|	w11	w12	w13
.D=DK/NA	|	30	37	34
.R=RF	|	4	3	8
.S=Skip	|	18	16	36
0.No	|	10944	9685	11280
1.Yes	|	8869	8461	8939
2.Can't do	|	499	407	478
9.Don't do	|	190	138	137

S1STOOP: S Diff-Stoop/Kneel/Crouch

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	5832
2.A little diff	|	2077
3.Somewhat diff	|	1077
4.Very diff/can't do	|	871
9.Don't do	|	43

S2STOOP: S Diff-Stoop/Kneel/Crouch

Value	|	w2
.D=DK/NA	|	3
.Q=Not asked this wv	|	4549
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	5859
1.Yes,a little	|	1701
2.Yes,a lot	|	1164
3.Yes,DK/NA how much	|	4
4.Yes,RF how much	|	6
9.Don't do	|	3

SwSTOOP: S Diff-Stoop/Kneel/Crouch

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	7	5	5	11	16	11	8	26
.R=RF	|	4	6	4		5	3	1	10
.S=Skip	|	35	26	23	7	10	7	8	131
0.No	|	10503	12436	11054	9602	10836	9439	8713	11629
1.Yes	|	6358	7618	7372	7459	7989	7962	7577	9491
2.Can't do	|	804	932	766	786	880	797	653	592
9.Don't do	|	280	361	354	300	393	250	257	155

Value	|	w11	w12	w13
.D=DK/NA	|	30	37	34
.R=RF	|	4	3	8
.S=Skip	|	18	16	36
0.No	|	10944	9685	11280
1.Yes	|	8869	8461	8939
2.Can't do	|	499	407	478
9.Don't do	|	190	138	137

R1LIFT: R Diff-Lift/carry 10lbs

Value	|	w1
1.Not at all diff	|	9451
2.A little diff	|	1363
3.Somewhat diff	|	823
4.Very diff/can't do	|	886
9.Don't do	|	129

R2LIFT: R Diff-Lift/carry 10lbs

Value	|	w2
.D=DK/NA	|	10
.M=Oth missing	|	481
.R=RF	|	2
0.No	|	14504
1.Yes,a little	|	1873
2.Yes,a lot	|	1958
3.Yes,DK/NA how much	|	9
4.Yes,RF how much	|	4
5.Can't do	|	548
9.Don't do	|	253

RwLIFT: R Diff-Lift/carry 10lbs

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3	6	7	7	12	7	7	17
.R=RF	|	4	7	5		4	2	1	9
.S=Skip	|	35	27	23	7	10	7	9	131
0.No	|	13089	15686	14321	13257	14844	13476	12449	15811
1.Yes	|	3187	3860	3705	3492	3810	3840	3701	5288
2.Can't do	|	721	814	606	615	662	571	509	423
9.Don't do	|	952	984	911	787	787	566	541	355

Value	|	w11	w12	w13
.D=DK/NA	|	17	18	20
.R=RF	|	4	3	5
.S=Skip	|	18	16	36
0.No	|	14819	13288	15202
1.Yes	|	4984	4871	5090
2.Can't do	|	363	302	314
9.Don't do	|	349	249	245

 S1LIFT: S Diff-Lift/carry 10lbs

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	7633
2.A little diff	|	1010
3.Somewhat diff	|	600
4.Very diff/can't do	|	574
9.Don't do	|	83

 S2LIFT: S Diff-Lift/carry 10lbs

Value	|	w2
.D=DK/NA	|	7
.M=Oth missing	|	198
.R=RF	|	2
.U=Unmarried	|	5968
.V=Spouse NR	|	584
0.No	|	10408
1.Yes,a little	|	1102
2.Yes,a lot	|	1056
3.Yes,DK/NA how much	|	6
4.Yes,RF how much	|	3
5.Can't do	|	222
9.Don't do	|	86

 SwLIFT: S Diff-Lift/carry 10lbs

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	3	6	7	7	12	7	7	17
.R=RF	|	4	7	5		4	2	1	9
.S=Skip	|	35	27	23	7	10	7	9	131
0.No	|	13089	15686	14321	13257	14844	13476	12449	15811
1.Yes	|	3187	3860	3705	3492	3810	3840	3701	5288
2.Can't do	|	721	814	606	615	662	571	509	423
9.Don't do	|	952	984	911	787	787	566	541	355

Value	|	w11	w12	w13
.D=DK/NA	|	17	18	20
.R=RF	|	4	3	5
.S=Skip	|	18	16	36
0.No	|	14819	13288	15202
1.Yes	|	4984	4871	5090
2.Can't do	|	363	302	314
9.Don't do	|	349	249	245

R1DIME: R Diff-Pick up a dime

Value	|	w1
1.Not at all diff	|	11836
2.A little diff	|	455
3.Somewhat diff	|	246
4.Very diff/can't do	|	106
9.Don't do	|	9

R2DIME: R Diff-Pick up a dime

Value	|	w2
.D=DK/NA	|	11
.M=Oth missing	|	53
.R=RF	|	2
0.No	|	18373
1.Yes,a little	|	757
2.Yes,a lot	|	408
3.Yes,DK/NA how much	|	1
4.Yes,RF how much	|	1
5.Can't do	|	16
9.Don't do	|	20

RwDIME: R Diff-Pick up a dime

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	5	13	17	18	28	21	20	31
.R=RF	|	3	6	4		4	2	1	8
.S=Skip	|	35	28	23	7	10	7	9	131
0.No	|	16590	19782	18045	16764	18610	16952	15751	20187
1.Yes	|	1216	1372	1319	1230	1334	1358	1318	1585
2.Can't do	|	103	128	117	105	96	103	89	67
9.Don't do	|	39	55	53	41	47	26	29	25

Value	|	w11	w12	w13
.D=DK/NA	|	17	20	24
.R=RF	|	1	1	6
.S=Skip	|	18	16	36
0.No	|	18888	17084	19233
1.Yes	|	1530	1573	1531
2.Can't do	|	78	41	58
9.Don't do	|	22	12	24

S1DIME: S Diff-Pick up a dime

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	9330
2.A little diff	|	337
3.Somewhat diff	|	152
4.Very diff/can't do	|	75
9.Don't do	|	6

S2DIME: S Diff-Pick up a dime

Value	|	w2
.D=DK/NA	|	5
.M=Oth missing	|	25
.R=RF	|	2
.U=Unmarried	|	5968
.V=Spouse NR	|	584
0.No	|	12420
1.Yes,a little	|	420
2.Yes,a lot	|	204
3.Yes,DK/NA how much	|	1
4.Yes,RF how much	|	1
5.Can't do	|	6
9.Don't do	|	6

SwDIME: S Diff-Pick up a dime

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	5	13	17	18	28	21	20	31
.R=RF	|	3	6	4		4	2	1	8
.S=Skip	|	35	28	23	7	10	7	9	131
0.No	|	16590	19782	18045	16764	18610	16952	15751	20187
1.Yes	|	1216	1372	1319	1230	1334	1358	1318	1585
2.Can't do	|	103	128	117	105	96	103	89	67
9.Don't do	|	39	55	53	41	47	26	29	25

Value	|	w11	w12	w13
.D=DK/NA	|	17	20	24
.R=RF	|	1	1	6
.S=Skip	|	18	16	36
0.No	|	18888	17084	19233
1.Yes	|	1530	1573	1531
2.Can't do	|	78	41	58
9.Don't do	|	22	12	24

 R1ARMS: R Diff-Reach/extnd arms up

Value	|	w1
1.Not at all diff	|	11126
2.A little diff	|	831
3.Somewhat diff	|	412
4.Very diff/can't do	|	267
9.Don't do	|	16

 R2ARMS: R Diff-Reach/extnd arms up

Value	|	w2
.D=DK/NA	|	8
.Q=Not asked this wv	|	8222
.R=RF	|	1
0.No	|	9972
1.Yes,a little	|	892
2.Yes,a lot	|	543
3.Yes,DK/NA how much	|	1
4.Yes,RF how much	|	3

 RwARMS: R Diff-Reach/extnd arms up

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	8	13	13	14	10	9	17
.R=RF	|	3	6	5		5	3	1	10
.S=Skip	|	35	27	23	7	10	7	8	131
0.No	|	14909	17856	16340	15024	16761	15218	14211	17822
1.Yes	|	2738	3158	2938	2879	3067	2993	2794	3892
2.Can't do	|	201	220	173	160	186	164	139	119
9.Don't do	|	101	109	86	82	86	74	55	43

Value	|	w11	w12	w13
.D=DK/NA	|	12	21	24
.R=RF	|	1	4	6
.S=Skip	|	18	16	36
0.No	|	16778	15041	16965
1.Yes	|	3593	3561	3750
2.Can't do	|	109	73	102
9.Don't do	|	43	31	29

 S1ARMS: S Diff-Reach/extnd arms up

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	8838
2.A little diff	|	588
3.Somewhat diff	|	290
4.Very diff/can't do	|	174
9.Don't do	|	10

 S2ARMS: S Diff-Reach/extnd arms up

Value	|	w2
.D=DK/NA	|	3
.Q=Not asked this wv	|	4549
.R=RF	|	1
.U=Unmarried	|	5968
.V=Spouse NR	|	384
0.No	|	7771
1.Yes,a little	|	622
2.Yes,a lot	|	341
3.Yes,DK/NA how much	|	1
4.Yes,RF how much	|	2

 SwARMS: S Diff-Reach/extnd arms up

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	8	13	13	14	10	9	17
.R=RF	|	3	6	5		5	3	1	10
.S=Skip	|	35	27	23	7	10	7	8	131
0.No	|	14909	17856	16340	15024	16761	15218	14211	17822
1.Yes	|	2738	3158	2938	2879	3067	2993	2794	3892
2.Can't do	|	201	220	173	160	186	164	139	119
9.Don't do	|	101	109	86	82	86	74	55	43

Value	|	w11	w12	w13
.D=DK/NA	|	12	21	24
.R=RF	|	1	4	6
.S=Skip	|	18	16	36
0.No	|	16778	15041	16965
1.Yes	|	3593	3561	3750
2.Can't do	|	109	73	102
9.Don't do	|	43	31	29

R1PUSH: R Diff-Push/pull large obj

Value	|	w1
1.Not at all diff	|	9303
2.A little diff	|	1577
3.Somewhat diff	|	766
4.Very diff/can't do	|	843
9.Don't do	|	163

R2PUSH: R Diff-Push/pull large obj

Value	|	w2
.D=DK/NA	|	9
.M=Oth missing	|	410
.R=RF	|	3
0.No	|	14115
1.Yes,a little	|	1758
2.Yes,a lot	|	1786
3.Yes,DK/NA how much	|	493
4.Yes,RF how much	|	10
5.Can't do	|	609
9.Don't do	|	449

RwPUSH: R Diff-Push/pull large obj

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	6	10	8	15	15	10	16
.M=Oth missing	|	1							
.R=RF	|	4	6	5		6	2	1	9
.S=Skip	|	35	27	23	7	10	7	8	131
0.No	|	12225	14799	13547	12373	14065	12620	11889	15174
1.Yes	|	3302	3918	3713	3701	4021	4254	3859	5698
2.Can't do	|	864	951	757	744	785	679	573	489
9.Don't do	|	1556	1677	1523	1332	1227	892	877	517

Value	|	w11	w12	w13
.D=DK/NA	|	17	19	18
.M=Oth missing	|			
.R=RF	|	4	4	5
.S=Skip	|	18	16	36
0.No	|	14181	12813	14757
1.Yes	|	5367	5231	5380
2.Can't do	|	441	346	328
9.Don't do	|	526	318	388

S1PUSH: S Diff-Push/pull large obj

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.Not at all diff	|	7471
2.A little diff	|	1225
3.Somewhat diff	|	551
4.Very diff/can't do	|	547
9.Don't do	|	106

S2PUSH: S Diff-Push/pull large obj

Value	|	w2
.D=DK/NA	|	6
.M=Oth missing	|	169
.R=RF	|	2
.U=Unmarried	|	5968
.V=Spouse NR	|	584
0.No	|	10099
1.Yes,a little	|	1118
2.Yes,a lot	|	1043
3.Yes,DK/NA how much	|	216
4.Yes,RF how much	|	7
5.Can't do	|	259
9.Don't do	|	171

SwPUSH: S Diff-Push/pull large obj

Value	|	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	4	6	10	8	15	15	10	16
.M=Oth missing	|	1							
.R=RF	|	4	6	5		6	2	1	9
.S=Skip	|	35	27	23	7	10	7	8	131
0.No	|	12225	14799	13547	12373	14065	12620	11889	15174
1.Yes	|	3302	3918	3713	3701	4021	4254	3859	5698
2.Can't do	|	864	951	757	744	785	679	573	489
9.Don't do	|	1556	1677	1523	1332	1227	892	877	517

Value	|	w11	w12	w13
.D=DK/NA	|	17	19	18
.M=Oth missing	|			
.R=RF	|	4	4	5
.S=Skip	|	18	16	36
0.No	|	14181	12813	14757
1.Yes	|	5367	5231	5380
2.Can't do	|	441	346	328
9.Don't do	|	526	318	388

How Constructed

These variables recode raw variables for difficulty with activities besides activities of daily living (ADLs) and instrumental activities of daily living (IADLs) as they appear in the raw data, except for missing values, and accounting for skip patterns. The activities described here include walking several blocks (RwWALKS), jogging one mile (RwJOG), walking one block (RwWALK1), sitting for about 2 hours (RwSIT), getting up from a chair after sitting for long periods (RwCHAIR), climbing several flights of stairs without resting (RwCLIMS), climbing one flight of stairs without resting (RwCLIM1), lifting or carrying weights over 10 pounds (RwLIFT), stooping kneeling, or crouching (RwSTOOP), reaching arms above shoulder level (RwARMS), pushing or pulling large objects (RwPUSH), and picking up a dime from the table (RwDIME). These variables are referred to as Rw[func] in the descriptions below.

Note that RwJOG, RwWALK1, RwCLIMS, RwSIT, RwCHAIR, RwSTOOP, and RwARMS are not asked in Wave 2A. These variables are set to .Q in Wave 2 for AHEAD Respondents.

The recodes vary across waves because the question and responses can vary across waves. In Wave 1, the HRS imputations are left in place. In all other waves "don't know" is recoded to special missing code .D and "refused" is recoded to .R. In Wave 1 "difficulty with an activity" is rated on a 4-point scale from "no difficulty" to "very difficult/can't do." These are assigned without change. A "don't do" answer is recoded to "9."

In Wave 2, the question asks if the Respondent has any difficulty with an activity and if so, asks follow-up questions about the degree of difficulty. In Wave 2H, the raw variable codes both questions as one categorical variable. In Wave 2A the answer to the first question and a categorical variable for the follow-up are given. In either case, a "no" answer to the first question about any difficulty is recoded to "0," and the categorical levels of difficulty are recoded appropriately to "a little" and "a lot," or "don't know/refused how much." In Wave 2A, if the Respondent says "don't do" to the first question about difficulty, s/he is asked if this is because of a health problem, and if so, "don't do" is changed to "can't do." In Wave 2A, "can't do" is recoded to "5." In Wave 2H, the "can't do" is not allowed. A "don't do" response is coded as "9."

From Wave 3 forward, the answers are simply "yes" for difficulty and "no" if not, which are coded "1" and "0," respectively. A "can't do" response is recoded to "2" and a "don't do" response is recoded to "9."

In some waves, questions about activities are skipped based on answers to previous questions. In Waves 1 and 2H, if a Respondent reports no difficulty jogging a mile, then the questions about walking several blocks and walking one block are skipped. In these cases RwWALKS and RwWALK1 are set to "0" for "no difficulty." In Wave 2A if the Respondent reports needing help in getting across a room, then the questions about walking several blocks, climbing one flight of stairs, and pushing large objects are skipped. In these cases difficulty is assumed for the skipped activities, and R2WALKS, R2CLIM1, and R2PUSH are set to "3, difficulty," but how much is not ascertained.

From Wave 3 forward, if the Respondent reports no difficulty walking several blocks, the question about walking one block is skipped, and RwWALK1 is set to "0" for "no difficulty." In all waves except 2A, if the Respondent said no difficulty to climbing several flights of stairs, the question about climbing one flight of stairs is skipped, and RwCLIM1 is set to "0" for no difficulty.

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are other versions of the Rw[func] variables that recode to a yes/no measure for use in creating indices. One version of this variable is derived that attempts to code a consistent cross-wave yes/no dummy that indicates "some difficulty" (Rw[func]A). These are available from Wave 2 forward. Because of the inconsistent coding of the underlying HRS data, we do not construct R1[func]A variables in Wave 1. Please see the description of the Rw[func]A variables under "Other functional limitations: Some difficulty" for this version. Some of the Rw[func]A variables are used to construct functional limitation indices. Please see "Other Summary Indices."

A third version of these variables are derived for Wave 1 only (R1[func]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "Other functional limitations: Recodes for comparison to Wallace and Herzog" for a description of the R1[func]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes done in other waves (Rw[func]A) solely due to measurement differences in the raw data. The R1[func]W variables are not appropriate for comparison to the Rw[func]A variables in

other waves.

Cross Wave Differences in Original HRS Data

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime, but the question wording and possible answers vary. In Waves 1 and 2H, questions about activities of daily living (ADLs) are embedded among those about other functional limitations. This description applies to the other functional limitations. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please look at the answer categories at the top of page one of the booklet and tell me how difficult each activity is for you. Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...] Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes: 1 for "not at all difficult," 2 for "a little difficult," 3 for "somewhat difficult," and 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The first question asks how difficult it is to run or jog a mile. The specific wording for the other functional limitations (besides ADLs) is: walk several blocks; walk one block; sit for about 2 hours; get up from a chair after sitting for long periods; climb several flights of stairs without resting; climb one flight of stairs without resting; lift or carry weights over 10 pounds like a heavy bag of groceries; stoop, kneel, or crouch; pick up a dime from the table; reach or extend your arms above shoulder level; and push or pull large objects like a living room chair. If the Respondent says s/he has "no difficulty" with running a mile, then all the questions about walking, including several blocks, one block, and across a room, are skipped. If "no difficulty" is reported for walking several blocks then the questions about walking one block or across a room are skipped, and if "no difficulty" is reported for walking one block, the question about walking across a room is skipped. Likewise if "no difficulty" climbing several flights of stairs is reported, the question about climbing one flight of stairs is skipped.

In Wave 2H the questions and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...?" [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments, so may be observed less frequently than in other waves, simply because of questionnaire differences. The number of "Don't do" responses is much larger in other waves for most activities. The specific wording for these activities and the question skips for walking and climbing stairs are the same as in Wave 1.

In Wave 2A, the questions are different from other waves and the list of activities is shorter. Also the ADL questions are asked first as a group. The questions ask about functional difficulties besides ADLs and IADLs:

"Do you have any difficulty ...?" Answers may be "yes," "no," "can't do" and "don't do." [If YES]: "Is that a little, or a lot of difficulty?" [If DON'T DO to the first question]: "Is that because of a health problem?"

The specific wording for these activities is: walking several blocks; climbing one flight of stairs without resting; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 pounds like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports needing help getting across a room earlier in the interview, then the questions about walking several blocks, climbing stairs, and pushing large objects are skipped.

From Wave 3 forward, the questions about ADLs and IADLs are asked after those about the other activities described here. The questions ask:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you have any difficulty doing each of the everyday activities that I read to you. Exclude any difficulties that you expect to last less than three months. Because of a health problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply yes, no, can't do, or don't do. The exact wording for these activities is: walking several blocks; running or jogging about a mile; across a room; walking one block; sitting for about 2 hours; getting up from a chair after sitting for long periods; climbing several flights of stairs without resting; climbing one flight of stairs without resting; stooping, kneeling, or crouching; reaching or extending your arms above shoulder level; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 pounds like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports no difficulty to walking several blocks, then the question about running a mile is asked, and the question about walking one block is skipped. The question about climbing one flight of stairs is skipped if no difficulty is reported for climbing several flights of stairs.

In Wave 7, the interviewer may also say the following if the Respondent is in a nursing home or confined to bed or a wheelchair, before asking about these activities:

"I am required to ask about all of these activities. I realize that you may not be able to do some of them, but I would appreciate it if you would just confirm that with me as we go through the list."

HRS Variables Used

HRS 1992:

V304	B4A:RUN OR JOG 1 MIL:IMP
V305	B4B:WALK SEVERAL BLO:IMP
V306	B4C:WALK 1 BLOCK :IMP
V308	B4E:SIT FOR 2 HOURS :IMP
V309	B4F:GET UP AFTR SIT :IMP
V311	B4H:CLMB SVRL FLTS S:IMP
V312	B4J:1 FLT STAIRS-NO :IMP
V313	B4K:LIFT/CARRY 10 LB:IMP
V314	B4M:STOOP/KNEEL/CROU:IMP
V315	B4N:PCK UP DIME FRM :IMP
V317	B4Q:ARMS OVER SHOULD:IMP
V318	B4R:PULL/PUSH LRG OB:IMP

AHEAD 1993:

B768	E33. ADL WALK HELP EVER
B852	E47. WALK SEV BLOCKS ANY DIFFICULTY
B865	E48. STAIR CLIMB ANY DIFFICULTY
B872	E49. HEAVY OBJ ANY DIFFICULTY
B879	E50. LIFT 10 LBS ANY DIFFICULTY
B882	E51. PICK UP DIME ANY DIFFICULTY

HRS 1994:

W306	B4.RUNNING/JOGGING 1 MIL
W307	B4a.WALKING SEVERAL BLOC
W308	B4b.WALKING ONE BLOCK
W311	B4e.GETTING UP AFTER SIT
W313	B4g.CLIMBING SEVERAL FLI
W314	B4h.CLIMBING ONE FLIGHT
W315	B4j.LIFTING OR CARRYING
W316	B4k.STOOPING/KNEELING/CR
W317	B4m.PICKING UP A DIME
W319	B4p.EXTENDING ARMS ABOVE
W320	B4q.PULLING/PUSHING LARG

AHEAD 1995:

D1834	E60.DIFF-SEV BLKS
D1837	E61.DIFF-JOG
D1840	E62.DIFF-1 BLK
D1843	E63.DIFF-SIT
D1846	E64.DIFF-CHAIR
D1849	E65.DIFF-STAIRS

D1852	E66.DIFF-1 STAIR
D1855	E67.DIFF-STOOP
D1858	E68.DIFF-REACH
D1861	E69.DIFF-PULL PUSH
D1864	E70.E70.DIFF-WEIGHTS
D1867	E71.PICK DIME
HRS 1996:	
E1858	E60.DIFF-SEV BLKS
E1861	E61.DIFF-JOG
E1864	E62.DIFF-1 BLK
E1867	E63.DIFF-SIT
E1870	E64.DIFF-CHAIR
E1873	E65.DIFF-STAIRS
E1876	E66.DIFF-1 STAIR
E1879	E67.DIFF-STOOP
E1882	E68.DIFF-REACH
E1885	E69.DIFF-PULL PUSH
E1888	E70.DIFF-WEIGHTS
E1891	E71.PICK DIME
HRS 1998:	
F2391	E60.DIFF-SEV BLKS
F2392	E61.DIFF-JOG
F2394	E62.DIFF-1 BLK
F2397	E63.DIFF-SIT
F2400	E64.DIFF-CHAIR
F2403	E65.DIFF-STAIRS
F2406	E66.DIFF-1 STAIR
F2409	E67.DIFF-STOOP
F2412	E68.DIFF-REACH
F2415	E69.DIFF-PULL PUSH
F2418	E70.DIFF-WEIGHTS
F2421	E71.PICK DIME
HRS 2000:	
G2689	E60.DIFF-SEV BLKS
G2690	E61.DIFF-JOG
G2692	E62.DIFF-1 BLK
G2695	E63.DIFF-SIT
G2698	E64.DIFF-CHAIR
G2701	E65.DIFF-STAIRS
G2704	E66.DIFF-1 STAIR
G2707	E67.DIFF-STOOP
G2710	E68.DIFF-REACH
G2713	E69.DIFF-PULL PUSH
G2716	E70.DIFF-WEIGHTS
G2719	E71.PICK DIME
HRS 2002-2016:	
xG001	DIFFICULTY- WALKING SEVERAL BLOCKS
xG002	DIFFICULTY- JOGGING 1 MILE
xG003	DIFFICULTY- WALKING 1 BLOCK
xG004	DIFFICULTY- SITTING 2 HOURS
xG005	DIFFICULTY- GETTING UP FROM CHAIR
xG006	DIFFICULTY- CLIMBING STAIRS
xG007	DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
xG008	DIFFICULTY- STOOPING
xG009	DIFFICULTY- REACHING ARMS
xG010	DIFFICULTY- PULL/PUSH LARGE OBJECTS
xG011	DIFFICULTY- LIFTING WEIGHTS
xG012	DIFFICULTY- PICKING UP DIME

Other Functional Limitations: Some difficulty

Wave	Variable	Label	Type
2	R2WALKSA	R2WALKSA:W2 R Some Diff-Walk sev blocks	Categ
3	R3WALKSA	R3WALKSA:W3 R Some Diff-Walk sev blocks	Categ
4	R4WALKSA	R4WALKSA:W4 R Some Diff-Walk sev blocks	Categ
5	R5WALKSA	R5WALKSA:W5 R Some Diff-Walk sev blocks	Categ
6	R6WALKSA	R6WALKSA:W6 R Some Diff-Walk sev blocks	Categ
7	R7WALKSA	R7WALKSA:W7 R Some Diff-Walk sev blocks	Categ
8	R8WALKSA	R8WALKSA:W8 R Some Diff-Walk sev blocks	Categ
9	R9WALKSA	R9WALKSA:W9 R Some Diff-Walk sev blocks	Categ
10	R10WALKSA	R10WALKSA:W10 R Some Diff-Walk sev blocks	Categ
11	R11WALKSA	R11WALKSA:W11 R Some Diff-Walk sev blocks	Categ
12	R12WALKSA	R12WALKSA:W12 R Some Diff-Walk sev blocks	Categ
13	R13WALKSA	R13WALKSA:W13 R Some Diff-Walk sev blocks	Categ
2	S2WALKSA	S2WALKSA:W2 S Some Diff-Walk sev blocks	Categ
3	S3WALKSA	S3WALKSA:W3 S Some Diff-Walk sev blocks	Categ
4	S4WALKSA	S4WALKSA:W4 S Some Diff-Walk sev blocks	Categ
5	S5WALKSA	S5WALKSA:W5 S Some Diff-Walk sev blocks	Categ
6	S6WALKSA	S6WALKSA:W6 S Some Diff-Walk sev blocks	Categ
7	S7WALKSA	S7WALKSA:W7 S Some Diff-Walk sev blocks	Categ
8	S8WALKSA	S8WALKSA:W8 S Some Diff-Walk sev blocks	Categ
9	S9WALKSA	S9WALKSA:W9 S Some Diff-Walk sev blocks	Categ
10	S10WALKSA	S10WALKSA:W10 S Some Diff-Walk sev blocks	Categ
11	S11WALKSA	S11WALKSA:W11 S Some Diff-Walk sev blocks	Categ
12	S12WALKSA	S12WALKSA:W12 S Some Diff-Walk sev blocks	Categ
13	S13WALKSA	S13WALKSA:W13 S Some Diff-Walk sev blocks	Categ
2	R2JOGA	R2JOGA:W2 R Some Diff-Jog one mile	Categ
3	R3JOGA	R3JOGA:W3 R Some Diff-Jog one mile	Categ
4	R4JOGA	R4JOGA:W4 R Some Diff-Jog one mile	Categ
5	R5JOGA	R5JOGA:W5 R Some Diff-Jog one mile	Categ
6	R6JOGA	R6JOGA:W6 R Some Diff-Jog one mile	Categ
7	R7JOGA	R7JOGA:W7 R Some Diff-Jog one mile	Categ
8	R8JOGA	R8JOGA:W8 R Some Diff-Jog one mile	Categ
9	R9JOGA	R9JOGA:W9 R Some Diff-Jog one mile	Categ
10	R10JOGA	R10JOGA:W10 R Some Diff-Jog one mile	Categ
11	R11JOGA	R11JOGA:W11 R Some Diff-Jog one mile	Categ
12	R12JOGA	R12JOGA:W12 R Some Diff-Jog one mile	Categ
13	R13JOGA	R13JOGA:W13 R Some Diff-Jog one mile	Categ
2	S2JOGA	S2JOGA:W2 S Some Diff-Jog one mile	Categ
3	S3JOGA	S3JOGA:W3 S Some Diff-Jog one mile	Categ
4	S4JOGA	S4JOGA:W4 S Some Diff-Jog one mile	Categ
5	S5JOGA	S5JOGA:W5 S Some Diff-Jog one mile	Categ
6	S6JOGA	S6JOGA:W6 S Some Diff-Jog one mile	Categ
7	S7JOGA	S7JOGA:W7 S Some Diff-Jog one mile	Categ
8	S8JOGA	S8JOGA:W8 S Some Diff-Jog one mile	Categ
9	S9JOGA	S9JOGA:W9 S Some Diff-Jog one mile	Categ
10	S10JOGA	S10JOGA:W10 S Some Diff-Jog one mile	Categ
11	S11JOGA	S11JOGA:W11 S Some Diff-Jog one mile	Categ
12	S12JOGA	S12JOGA:W12 S Some Diff-Jog one mile	Categ
13	S13JOGA	S13JOGA:W13 S Some Diff-Jog one mile	Categ
2	R2WALK1A	R2WALK1A:W2 R Some Diff-Walk one block	Categ
3	R3WALK1A	R3WALK1A:W3 R Some Diff-Walk one block	Categ
4	R4WALK1A	R4WALK1A:W4 R Some Diff-Walk one block	Categ
5	R5WALK1A	R5WALK1A:W5 R Some Diff-Walk one block	Categ
6	R6WALK1A	R6WALK1A:W6 R Some Diff-Walk one block	Categ
7	R7WALK1A	R7WALK1A:W7 R Some Diff-Walk one block	Categ
8	R8WALK1A	R8WALK1A:W8 R Some Diff-Walk one block	Categ
9	R9WALK1A	R9WALK1A:W9 R Some Diff-Walk one block	Categ
10	R10WALK1A	R10WALK1A:W10 R Some Diff-Walk one block	Categ
11	R11WALK1A	R11WALK1A:W11 R Some Diff-Walk one block	Categ
12	R12WALK1A	R12WALK1A:W12 R Some Diff-Walk one block	Categ
13	R13WALK1A	R13WALK1A:W13 R Some Diff-Walk one block	Categ
2	S2WALK1A	S2WALK1A:W2 S Some Diff-Walk one block	Categ

3	S3WALK1A	S3WALK1A:W3	S Some Diff-Walk one block	Categ
4	S4WALK1A	S4WALK1A:W4	S Some Diff-Walk one block	Categ
5	S5WALK1A	S5WALK1A:W5	S Some Diff-Walk one block	Categ
6	S6WALK1A	S6WALK1A:W6	S Some Diff-Walk one block	Categ
7	S7WALK1A	S7WALK1A:W7	S Some Diff-Walk one block	Categ
8	S8WALK1A	S8WALK1A:W8	S Some Diff-Walk one block	Categ
9	S9WALK1A	S9WALK1A:W9	S Some Diff-Walk one block	Categ
10	S10WALK1A	S10WALK1A:W10	S Some Diff-Walk one block	Categ
11	S11WALK1A	S11WALK1A:W11	S Some Diff-Walk one block	Categ
12	S12WALK1A	S12WALK1A:W12	S Some Diff-Walk one block	Categ
13	S13WALK1A	S13WALK1A:W13	S Some Diff-Walk one block	Categ
2	R2SITA	R2SITA:W2	R Some Diff-Sit for 2 hours	Categ
3	R3SITA	R3SITA:W3	R Some Diff-Sit for 2 hours	Categ
4	R4SITA	R4SITA:W4	R Some Diff-Sit for 2 hours	Categ
5	R5SITA	R5SITA:W5	R Some Diff-Sit for 2 hours	Categ
6	R6SITA	R6SITA:W6	R Some Diff-Sit for 2 hours	Categ
7	R7SITA	R7SITA:W7	R Some Diff-Sit for 2 hours	Categ
8	R8SITA	R8SITA:W8	R Some Diff-Sit for 2 hours	Categ
9	R9SITA	R9SITA:W9	R Some Diff-Sit for 2 hours	Categ
10	R10SITA	R10SITA:W10	R Some Diff-Sit for 2 hours	Categ
11	R11SITA	R11SITA:W11	R Some Diff-Sit for 2 hours	Categ
12	R12SITA	R12SITA:W12	R Some Diff-Sit for 2 hours	Categ
13	R13SITA	R13SITA:W13	R Some Diff-Sit for 2 hours	Categ
2	S2SITA	S2SITA:W2	S Some Diff-Sit for 2 hours	Categ
3	S3SITA	S3SITA:W3	S Some Diff-Sit for 2 hours	Categ
4	S4SITA	S4SITA:W4	S Some Diff-Sit for 2 hours	Categ
5	S5SITA	S5SITA:W5	S Some Diff-Sit for 2 hours	Categ
6	S6SITA	S6SITA:W6	S Some Diff-Sit for 2 hours	Categ
7	S7SITA	S7SITA:W7	S Some Diff-Sit for 2 hours	Categ
8	S8SITA	S8SITA:W8	S Some Diff-Sit for 2 hours	Categ
9	S9SITA	S9SITA:W9	S Some Diff-Sit for 2 hours	Categ
10	S10SITA	S10SITA:W10	S Some Diff-Sit for 2 hours	Categ
11	S11SITA	S11SITA:W11	S Some Diff-Sit for 2 hours	Categ
12	S12SITA	S12SITA:W12	S Some Diff-Sit for 2 hours	Categ
13	S13SITA	S13SITA:W13	S Some Diff-Sit for 2 hours	Categ
2	R2CHAIRA	R2CHAIRA:W2	R Some Diff-Get up fr chair	Categ
3	R3CHAIRA	R3CHAIRA:W3	R Some Diff-Get up fr chair	Categ
4	R4CHAIRA	R4CHAIRA:W4	R Some Diff-Get up fr chair	Categ
5	R5CHAIRA	R5CHAIRA:W5	R Some Diff-Get up fr chair	Categ
6	R6CHAIRA	R6CHAIRA:W6	R Some Diff-Get up fr chair	Categ
7	R7CHAIRA	R7CHAIRA:W7	R Some Diff-Get up fr chair	Categ
8	R8CHAIRA	R8CHAIRA:W8	R Some Diff-Get up fr chair	Categ
9	R9CHAIRA	R9CHAIRA:W9	R Some Diff-Get up fr chair	Categ
10	R10CHAIRA	R10CHAIRA:W10	R Some Diff-Get up fr chair	Categ
11	R11CHAIRA	R11CHAIRA:W11	R Some Diff-Get up fr chair	Categ
12	R12CHAIRA	R12CHAIRA:W12	R Some Diff-Get up fr chair	Categ
13	R13CHAIRA	R13CHAIRA:W13	R Some Diff-Get up fr chair	Categ
2	S2CHAIRA	S2CHAIRA:W2	S Some Diff-Get up fr chair	Categ
3	S3CHAIRA	S3CHAIRA:W3	S Some Diff-Get up fr chair	Categ
4	S4CHAIRA	S4CHAIRA:W4	S Some Diff-Get up fr chair	Categ
5	S5CHAIRA	S5CHAIRA:W5	S Some Diff-Get up fr chair	Categ
6	S6CHAIRA	S6CHAIRA:W6	S Some Diff-Get up fr chair	Categ
7	S7CHAIRA	S7CHAIRA:W7	S Some Diff-Get up fr chair	Categ
8	S8CHAIRA	S8CHAIRA:W8	S Some Diff-Get up fr chair	Categ
9	S9CHAIRA	S9CHAIRA:W9	S Some Diff-Get up fr chair	Categ
10	S10CHAIRA	S10CHAIRA:W10	S Some Diff-Get up fr chair	Categ
11	S11CHAIRA	S11CHAIRA:W11	S Some Diff-Get up fr chair	Categ
12	S12CHAIRA	S12CHAIRA:W12	S Some Diff-Get up fr chair	Categ
13	S13CHAIRA	S13CHAIRA:W13	S Some Diff-Get up fr chair	Categ
2	R2CLIMSA	R2CLIMSA:W2	R Some Diff-Clmb sev flt str	Categ
3	R3CLIMSA	R3CLIMSA:W3	R Some Diff-Clmb sev flt str	Categ
4	R4CLIMSA	R4CLIMSA:W4	R Some Diff-Clmb sev flt str	Categ
5	R5CLIMSA	R5CLIMSA:W5	R Some Diff-Clmb sev flt str	Categ
6	R6CLIMSA	R6CLIMSA:W6	R Some Diff-Clmb sev flt str	Categ
7	R7CLIMSA	R7CLIMSA:W7	R Some Diff-Clmb sev flt str	Categ
8	R8CLIMSA	R8CLIMSA:W8	R Some Diff-Clmb sev flt str	Categ
9	R9CLIMSA	R9CLIMSA:W9	R Some Diff-Clmb sev flt str	Categ

10	R10CLIMSA	R10CLIMSA:W10	R	Some	Diff-Clmb	sev	flt	str	Categ
11	R11CLIMSA	R11CLIMSA:W11	R	Some	Diff-Clmb	sev	flt	str	Categ
12	R12CLIMSA	R12CLIMSA:W12	R	Some	Diff-Clmb	sev	flt	str	Categ
13	R13CLIMSA	R13CLIMSA:W13	R	Some	Diff-Clmb	sev	flt	str	Categ
2	S2CLIMSA	S2CLIMSA:W2	S	Some	Diff-Clmb	sev	flt	str	Categ
3	S3CLIMSA	S3CLIMSA:W3	S	Some	Diff-Clmb	sev	flt	str	Categ
4	S4CLIMSA	S4CLIMSA:W4	S	Some	Diff-Clmb	sev	flt	str	Categ
5	S5CLIMSA	S5CLIMSA:W5	S	Some	Diff-Clmb	sev	flt	str	Categ
6	S6CLIMSA	S6CLIMSA:W6	S	Some	Diff-Clmb	sev	flt	str	Categ
7	S7CLIMSA	S7CLIMSA:W7	S	Some	Diff-Clmb	sev	flt	str	Categ
8	S8CLIMSA	S8CLIMSA:W8	S	Some	Diff-Clmb	sev	flt	str	Categ
9	S9CLIMSA	S9CLIMSA:W9	S	Some	Diff-Clmb	sev	flt	str	Categ
10	S10CLIMSA	S10CLIMSA:W10	S	Some	Diff-Clmb	sev	flt	str	Categ
11	S11CLIMSA	S11CLIMSA:W11	S	Some	Diff-Clmb	sev	flt	str	Categ
12	S12CLIMSA	S12CLIMSA:W12	S	Some	Diff-Clmb	sev	flt	str	Categ
13	S13CLIMSA	S13CLIMSA:W13	S	Some	Diff-Clmb	sev	flt	str	Categ
2	R2CLIM1A	R2CLIM1A:W2	R	Some	Diff-Clmb	1	flt	stair	Categ
3	R3CLIM1A	R3CLIM1A:W3	R	Some	Diff-Clmb	1	flt	stair	Categ
4	R4CLIM1A	R4CLIM1A:W4	R	Some	Diff-Clmb	1	flt	stair	Categ
5	R5CLIM1A	R5CLIM1A:W5	R	Some	Diff-Clmb	1	flt	stair	Categ
6	R6CLIM1A	R6CLIM1A:W6	R	Some	Diff-Clmb	1	flt	stair	Categ
7	R7CLIM1A	R7CLIM1A:W7	R	Some	Diff-Clmb	1	flt	stair	Categ
8	R8CLIM1A	R8CLIM1A:W8	R	Some	Diff-Clmb	1	flt	stair	Categ
9	R9CLIM1A	R9CLIM1A:W9	R	Some	Diff-Clmb	1	flt	stair	Categ
10	R10CLIM1A	R10CLIM1A:W10	R	Some	Diff-Clmb	1	flt	stair	Categ
11	R11CLIM1A	R11CLIM1A:W11	R	Some	Diff-Clmb	1	flt	stair	Categ
12	R12CLIM1A	R12CLIM1A:W12	R	Some	Diff-Clmb	1	flt	stair	Categ
13	R13CLIM1A	R13CLIM1A:W13	R	Some	Diff-Clmb	1	flt	stair	Categ
2	S2CLIM1A	S2CLIM1A:W2	S	Some	Diff-Clmb	1	flt	stair	Categ
3	S3CLIM1A	S3CLIM1A:W3	S	Some	Diff-Clmb	1	flt	stair	Categ
4	S4CLIM1A	S4CLIM1A:W4	S	Some	Diff-Clmb	1	flt	stair	Categ
5	S5CLIM1A	S5CLIM1A:W5	S	Some	Diff-Clmb	1	flt	stair	Categ
6	S6CLIM1A	S6CLIM1A:W6	S	Some	Diff-Clmb	1	flt	stair	Categ
7	S7CLIM1A	S7CLIM1A:W7	S	Some	Diff-Clmb	1	flt	stair	Categ
8	S8CLIM1A	S8CLIM1A:W8	S	Some	Diff-Clmb	1	flt	stair	Categ
9	S9CLIM1A	S9CLIM1A:W9	S	Some	Diff-Clmb	1	flt	stair	Categ
10	S10CLIM1A	S10CLIM1A:W10	S	Some	Diff-Clmb	1	flt	stair	Categ
11	S11CLIM1A	S11CLIM1A:W11	S	Some	Diff-Clmb	1	flt	stair	Categ
12	S12CLIM1A	S12CLIM1A:W12	S	Some	Diff-Clmb	1	flt	stair	Categ
13	S13CLIM1A	S13CLIM1A:W13	S	Some	Diff-Clmb	1	flt	stair	Categ
2	R2STOOPA	R2STOOPA:W2	R	Some	Diff-Stoop/Kneel/Crch				Categ
3	R3STOOPA	R3STOOPA:W3	R	Some	Diff-Stoop/Kneel/Crch				Categ
4	R4STOOPA	R4STOOPA:W4	R	Some	Diff-Stoop/Kneel/Crch				Categ
5	R5STOOPA	R5STOOPA:W5	R	Some	Diff-Stoop/Kneel/Crch				Categ
6	R6STOOPA	R6STOOPA:W6	R	Some	Diff-Stoop/Kneel/Crch				Categ
7	R7STOOPA	R7STOOPA:W7	R	Some	Diff-Stoop/Kneel/Crch				Categ
8	R8STOOPA	R8STOOPA:W8	R	Some	Diff-Stoop/Kneel/Crch				Categ
9	R9STOOPA	R9STOOPA:W9	R	Some	Diff-Stoop/Kneel/Crch				Categ
10	R10STOOPA	R10STOOPA:W10	R	Some	Diff-Stoop/Kneel/Crch				Categ
11	R11STOOPA	R11STOOPA:W11	R	Some	Diff-Stoop/Kneel/Crch				Categ
12	R12STOOPA	R12STOOPA:W12	R	Some	Diff-Stoop/Kneel/Crch				Categ
13	R13STOOPA	R13STOOPA:W13	R	Some	Diff-Stoop/Kneel/Crch				Categ
2	S2STOOPA	S2STOOPA:W2	S	Some	Diff-Stoop/Kneel/Crch				Categ
3	S3STOOPA	S3STOOPA:W3	S	Some	Diff-Stoop/Kneel/Crch				Categ
4	S4STOOPA	S4STOOPA:W4	S	Some	Diff-Stoop/Kneel/Crch				Categ
5	S5STOOPA	S5STOOPA:W5	S	Some	Diff-Stoop/Kneel/Crch				Categ
6	S6STOOPA	S6STOOPA:W6	S	Some	Diff-Stoop/Kneel/Crch				Categ
7	S7STOOPA	S7STOOPA:W7	S	Some	Diff-Stoop/Kneel/Crch				Categ
8	S8STOOPA	S8STOOPA:W8	S	Some	Diff-Stoop/Kneel/Crch				Categ
9	S9STOOPA	S9STOOPA:W9	S	Some	Diff-Stoop/Kneel/Crch				Categ
10	S10STOOPA	S10STOOPA:W10	S	Some	Diff-Stoop/Kneel/Crch				Categ
11	S11STOOPA	S11STOOPA:W11	S	Some	Diff-Stoop/Kneel/Crch				Categ
12	S12STOOPA	S12STOOPA:W12	S	Some	Diff-Stoop/Kneel/Crch				Categ
13	S13STOOPA	S13STOOPA:W13	S	Some	Diff-Stoop/Kneel/Crch				Categ
2	R2LIFTA	R2LIFTA:W2	R	Some	Diff-Lift/carry	10lbs			Categ
3	R3LIFTA	R3LIFTA:W3	R	Some	Diff-Lift/carry	10lbs			Categ

4	R4LIFTA	R4LIFTA:W4	R	Some	Diff-Lift/carry	10lbs	Categ
5	R5LIFTA	R5LIFTA:W5	R	Some	Diff-Lift/carry	10lbs	Categ
6	R6LIFTA	R6LIFTA:W6	R	Some	Diff-Lift/carry	10lbs	Categ
7	R7LIFTA	R7LIFTA:W7	R	Some	Diff-Lift/carry	10lbs	Categ
8	R8LIFTA	R8LIFTA:W8	R	Some	Diff-Lift/carry	10lbs	Categ
9	R9LIFTA	R9LIFTA:W9	R	Some	Diff-Lift/carry	10lbs	Categ
10	R10LIFTA	R10LIFTA:W10	R	Some	Diff-Lift/carry	10lbs	Categ
11	R11LIFTA	R11LIFTA:W11	R	Some	Diff-Lift/carry	10lbs	Categ
12	R12LIFTA	R12LIFTA:W12	R	Some	Diff-Lift/carry	10lbs	Categ
13	R13LIFTA	R13LIFTA:W13	R	Some	Diff-Lift/carry	10lbs	Categ
2	S2LIFTA	S2LIFTA:W2	S	Some	Diff-Lift/carry	10lbs	Categ
3	S3LIFTA	S3LIFTA:W3	S	Some	Diff-Lift/carry	10lbs	Categ
4	S4LIFTA	S4LIFTA:W4	S	Some	Diff-Lift/carry	10lbs	Categ
5	S5LIFTA	S5LIFTA:W5	S	Some	Diff-Lift/carry	10lbs	Categ
6	S6LIFTA	S6LIFTA:W6	S	Some	Diff-Lift/carry	10lbs	Categ
7	S7LIFTA	S7LIFTA:W7	S	Some	Diff-Lift/carry	10lbs	Categ
8	S8LIFTA	S8LIFTA:W8	S	Some	Diff-Lift/carry	10lbs	Categ
9	S9LIFTA	S9LIFTA:W9	S	Some	Diff-Lift/carry	10lbs	Categ
10	S10LIFTA	S10LIFTA:W10	S	Some	Diff-Lift/carry	10lbs	Categ
11	S11LIFTA	S11LIFTA:W11	S	Some	Diff-Lift/carry	10lbs	Categ
12	S12LIFTA	S12LIFTA:W12	S	Some	Diff-Lift/carry	10lbs	Categ
13	S13LIFTA	S13LIFTA:W13	S	Some	Diff-Lift/carry	10lbs	Categ
2	R2DIMEA	R2DIMEA:W2	R	Some	Diff-Pick up a dime		Categ
3	R3DIMEA	R3DIMEA:W3	R	Some	Diff-Pick up a dime		Categ
4	R4DIMEA	R4DIMEA:W4	R	Some	Diff-Pick up a dime		Categ
5	R5DIMEA	R5DIMEA:W5	R	Some	Diff-Pick up a dime		Categ
6	R6DIMEA	R6DIMEA:W6	R	Some	Diff-Pick up a dime		Categ
7	R7DIMEA	R7DIMEA:W7	R	Some	Diff-Pick up a dime		Categ
8	R8DIMEA	R8DIMEA:W8	R	Some	Diff-Pick up a dime		Categ
9	R9DIMEA	R9DIMEA:W9	R	Some	Diff-Pick up a dime		Categ
10	R10DIMEA	R10DIMEA:W10	R	Some	Diff-Pick up a dime		Categ
11	R11DIMEA	R11DIMEA:W11	R	Some	Diff-Pick up a dime		Categ
12	R12DIMEA	R12DIMEA:W12	R	Some	Diff-Pick up a dime		Categ
13	R13DIMEA	R13DIMEA:W13	R	Some	Diff-Pick up a dime		Categ
2	S2DIMEA	S2DIMEA:W2	S	Some	Diff-Pick up a dime		Categ
3	S3DIMEA	S3DIMEA:W3	S	Some	Diff-Pick up a dime		Categ
4	S4DIMEA	S4DIMEA:W4	S	Some	Diff-Pick up a dime		Categ
5	S5DIMEA	S5DIMEA:W5	S	Some	Diff-Pick up a dime		Categ
6	S6DIMEA	S6DIMEA:W6	S	Some	Diff-Pick up a dime		Categ
7	S7DIMEA	S7DIMEA:W7	S	Some	Diff-Pick up a dime		Categ
8	S8DIMEA	S8DIMEA:W8	S	Some	Diff-Pick up a dime		Categ
9	S9DIMEA	S9DIMEA:W9	S	Some	Diff-Pick up a dime		Categ
10	S10DIMEA	S10DIMEA:W10	S	Some	Diff-Pick up a dime		Categ
11	S11DIMEA	S11DIMEA:W11	S	Some	Diff-Pick up a dime		Categ
12	S12DIMEA	S12DIMEA:W12	S	Some	Diff-Pick up a dime		Categ
13	S13DIMEA	S13DIMEA:W13	S	Some	Diff-Pick up a dime		Categ
2	R2ARMSA	R2ARMSA:W2	R	Some	Diff-Rch/xtnd arms up		Categ
3	R3ARMSA	R3ARMSA:W3	R	Some	Diff-Rch/xtnd arms up		Categ
4	R4ARMSA	R4ARMSA:W4	R	Some	Diff-Rch/xtnd arms up		Categ
5	R5ARMSA	R5ARMSA:W5	R	Some	Diff-Rch/xtnd arms up		Categ
6	R6ARMSA	R6ARMSA:W6	R	Some	Diff-Rch/xtnd arms up		Categ
7	R7ARMSA	R7ARMSA:W7	R	Some	Diff-Rch/xtnd arms up		Categ
8	R8ARMSA	R8ARMSA:W8	R	Some	Diff-Rch/xtnd arms up		Categ
9	R9ARMSA	R9ARMSA:W9	R	Some	Diff-Rch/xtnd arms up		Categ
10	R10ARMSA	R10ARMSA:W10	R	Some	Diff-Rch/xtnd arms up		Categ
11	R11ARMSA	R11ARMSA:W11	R	Some	Diff-Rch/xtnd arms up		Categ
12	R12ARMSA	R12ARMSA:W12	R	Some	Diff-Rch/xtnd arms up		Categ
13	R13ARMSA	R13ARMSA:W13	R	Some	Diff-Rch/xtnd arms up		Categ
2	S2ARMSA	S2ARMSA:W2	S	Some	Diff-Rch/xtnd arms up		Categ
3	S3ARMSA	S3ARMSA:W3	S	Some	Diff-Rch/xtnd arms up		Categ
4	S4ARMSA	S4ARMSA:W4	S	Some	Diff-Rch/xtnd arms up		Categ
5	S5ARMSA	S5ARMSA:W5	S	Some	Diff-Rch/xtnd arms up		Categ
6	S6ARMSA	S6ARMSA:W6	S	Some	Diff-Rch/xtnd arms up		Categ
7	S7ARMSA	S7ARMSA:W7	S	Some	Diff-Rch/xtnd arms up		Categ
8	S8ARMSA	S8ARMSA:W8	S	Some	Diff-Rch/xtnd arms up		Categ
9	S9ARMSA	S9ARMSA:W9	S	Some	Diff-Rch/xtnd arms up		Categ
10	S10ARMSA	S10ARMSA:W10	S	Some	Diff-Rch/xtnd arms up		Categ

11	S11ARMSA	S11ARMSA:W11	S	Some	Diff-Rch/xtnd	arms	up	Categ
12	S12ARMSA	S12ARMSA:W12	S	Some	Diff-Rch/xtnd	arms	up	Categ
13	S13ARMSA	S13ARMSA:W13	S	Some	Diff-Rch/xtnd	arms	up	Categ
2	R2PUSHA	R2PUSHA:W2	R	Some	Diff-Push/pull	lg	obj	Categ
3	R3PUSHA	R3PUSHA:W3	R	Some	Diff-Push/pull	lg	obj	Categ
4	R4PUSHA	R4PUSHA:W4	R	Some	Diff-Push/pull	lg	obj	Categ
5	R5PUSHA	R5PUSHA:W5	R	Some	Diff-Push/pull	lg	obj	Categ
6	R6PUSHA	R6PUSHA:W6	R	Some	Diff-Push/pull	lg	obj	Categ
7	R7PUSHA	R7PUSHA:W7	R	Some	Diff-Push/pull	lg	obj	Categ
8	R8PUSHA	R8PUSHA:W8	R	Some	Diff-Push/pull	lg	obj	Categ
9	R9PUSHA	R9PUSHA:W9	R	Some	Diff-Push/pull	lg	obj	Categ
10	R10PUSHA	R10PUSHA:W10	R	Some	Diff-Push/pull	lg	obj	Categ
11	R11PUSHA	R11PUSHA:W11	R	Some	Diff-Push/pull	lg	obj	Categ
12	R12PUSHA	R12PUSHA:W12	R	Some	Diff-Push/pull	lg	obj	Categ
13	R13PUSHA	R13PUSHA:W13	R	Some	Diff-Push/pull	lg	obj	Categ
2	S2PUSHA	S2PUSHA:W2	S	Some	Diff-Push/pull	lg	obj	Categ
3	S3PUSHA	S3PUSHA:W3	S	Some	Diff-Push/pull	lg	obj	Categ
4	S4PUSHA	S4PUSHA:W4	S	Some	Diff-Push/pull	lg	obj	Categ
5	S5PUSHA	S5PUSHA:W5	S	Some	Diff-Push/pull	lg	obj	Categ
6	S6PUSHA	S6PUSHA:W6	S	Some	Diff-Push/pull	lg	obj	Categ
7	S7PUSHA	S7PUSHA:W7	S	Some	Diff-Push/pull	lg	obj	Categ
8	S8PUSHA	S8PUSHA:W8	S	Some	Diff-Push/pull	lg	obj	Categ
9	S9PUSHA	S9PUSHA:W9	S	Some	Diff-Push/pull	lg	obj	Categ
10	S10PUSHA	S10PUSHA:W10	S	Some	Diff-Push/pull	lg	obj	Categ
11	S11PUSHA	S11PUSHA:W11	S	Some	Diff-Push/pull	lg	obj	Categ
12	S12PUSHA	S12PUSHA:W12	S	Some	Diff-Push/pull	lg	obj	Categ
13	S13PUSHA	S13PUSHA:W13	S	Some	Diff-Push/pull	lg	obj	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2WALKSA	19099	0.26	0.44	0.0	1.0
R3WALKSA	17417	0.28	0.45	0.0	1.0
R4WALKSA	20844	0.28	0.45	0.0	1.0
R5WALKSA	19006	0.29	0.45	0.0	1.0
R6WALKSA	17693	0.32	0.47	0.0	1.0
R7WALKSA	19585	0.30	0.46	0.0	1.0
R8WALKSA	18119	0.32	0.47	0.0	1.0
R9WALKSA	16879	0.33	0.47	0.0	1.0
R10WALKSA	21700	0.31	0.46	0.0	1.0
R11WALKSA	20332	0.32	0.47	0.0	1.0
R12WALKSA	18590	0.34	0.47	0.0	1.0
R13WALKSA	20739	0.31	0.46	0.0	1.0
S2WALKSA	12755	0.20	0.40	0.0	1.0
S3WALKSA	11669	0.22	0.42	0.0	1.0
S4WALKSA	13748	0.22	0.42	0.0	1.0
S5WALKSA	12485	0.24	0.43	0.0	1.0
S6WALKSA	11456	0.26	0.44	0.0	1.0
S7WALKSA	12750	0.24	0.43	0.0	1.0
S8WALKSA	11604	0.26	0.44	0.0	1.0
S9WALKSA	10521	0.26	0.44	0.0	1.0
S10WALKSA	13364	0.25	0.43	0.0	1.0
S11WALKSA	12406	0.26	0.44	0.0	1.0
S12WALKSA	10962	0.27	0.44	0.0	1.0
S13WALKSA	11728	0.26	0.44	0.0	1.0
R2JOGA	10703	0.70	0.46	0.0	1.0
R3JOGA	6413	0.58	0.49	0.0	1.0

R4JOGA	7484	0.58	0.49	0.0	1.0
R5JOGA	6222	0.58	0.49	0.0	1.0
R6JOGA	6206	0.66	0.48	0.0	1.0
R7JOGA	8112	0.62	0.48	0.0	1.0
R8JOGA	8012	0.65	0.48	0.0	1.0
R9JOGA	7436	0.64	0.48	0.0	1.0
R10JOGA	12546	0.56	0.50	0.0	1.0
R11JOGA	11497	0.56	0.50	0.0	1.0
R12JOGA	10687	0.56	0.50	0.0	1.0
R13JOGA	12350	0.51	0.50	0.0	1.0
S2JOGA	8192	0.70	0.46	0.0	1.0
S3JOGA	4836	0.57	0.49	0.0	1.0
S4JOGA	5542	0.57	0.49	0.0	1.0
S5JOGA	4619	0.57	0.50	0.0	1.0
S6JOGA	4579	0.64	0.48	0.0	1.0
S7JOGA	5980	0.61	0.49	0.0	1.0
S8JOGA	5824	0.63	0.48	0.0	1.0
S9JOGA	5287	0.63	0.48	0.0	1.0
S10JOGA	8610	0.55	0.50	0.0	1.0
S11JOGA	7831	0.55	0.50	0.0	1.0
S12JOGA	7094	0.54	0.50	0.0	1.0
S13JOGA	7707	0.49	0.50	0.0	1.0
R2WALK1A	11071	0.07	0.25	0.0	1.0
R3WALK1A	17735	0.13	0.34	0.0	1.0
R4WALK1A	21160	0.14	0.34	0.0	1.0
R5WALK1A	19322	0.15	0.35	0.0	1.0
R6WALK1A	17965	0.16	0.37	0.0	1.0
R7WALK1A	19867	0.15	0.36	0.0	1.0
R8WALK1A	18283	0.17	0.37	0.0	1.0
R9WALK1A	17053	0.17	0.38	0.0	1.0
R10WALK1A	21790	0.16	0.36	0.0	1.0
R11WALK1A	20420	0.17	0.37	0.0	1.0
R12WALK1A	18639	0.17	0.38	0.0	1.0
R13WALK1A	20788	0.16	0.37	0.0	1.0
S2WALK1A	8474	0.06	0.23	0.0	1.0
S3WALK1A	11829	0.10	0.30	0.0	1.0
S4WALK1A	13905	0.10	0.30	0.0	1.0
S5WALK1A	12637	0.11	0.31	0.0	1.0
S6WALK1A	11565	0.12	0.33	0.0	1.0
S7WALK1A	12880	0.11	0.31	0.0	1.0
S8WALK1A	11677	0.12	0.33	0.0	1.0
S9WALK1A	10592	0.12	0.33	0.0	1.0
S10WALK1A	13400	0.12	0.32	0.0	1.0
S11WALK1A	12443	0.13	0.33	0.0	1.0
S12WALK1A	10977	0.13	0.34	0.0	1.0
S13WALK1A	11740	0.12	0.33	0.0	1.0
R2SITA	11391	0.20	0.40	0.0	1.0
R3SITA	17778	0.19	0.39	0.0	1.0
R4SITA	21139	0.18	0.39	0.0	1.0
R5SITA	19356	0.18	0.39	0.0	1.0
R6SITA	17978	0.20	0.40	0.0	1.0
R7SITA	19964	0.19	0.39	0.0	1.0
R8SITA	18340	0.20	0.40	0.0	1.0
R9SITA	17094	0.19	0.40	0.0	1.0
R10SITA	21789	0.20	0.40	0.0	1.0

R11SITA	20423	0.21	0.41	0.0	1.0
R12SITA	18640	0.21	0.41	0.0	1.0
R13SITA	20760	0.22	0.41	0.0	1.0
S2SITA	8717	0.18	0.39	0.0	1.0
S3SITA	11801	0.18	0.38	0.0	1.0
S4SITA	13849	0.17	0.38	0.0	1.0
S5SITA	12620	0.17	0.38	0.0	1.0
S6SITA	11532	0.19	0.39	0.0	1.0
S7SITA	12884	0.18	0.39	0.0	1.0
S8SITA	11673	0.18	0.39	0.0	1.0
S9SITA	10587	0.18	0.38	0.0	1.0
S10SITA	13381	0.19	0.39	0.0	1.0
S11SITA	12433	0.19	0.39	0.0	1.0
S12SITA	10967	0.19	0.39	0.0	1.0
S13SITA	11718	0.19	0.40	0.0	1.0
R2CHAIRA	11409	0.32	0.47	0.0	1.0
R3CHAIRA	17899	0.36	0.48	0.0	1.0
R4CHAIRA	21303	0.37	0.48	0.0	1.0
R5CHAIRA	19496	0.38	0.48	0.0	1.0
R6CHAIRA	18115	0.41	0.49	0.0	1.0
R7CHAIRA	20061	0.39	0.49	0.0	1.0
R8CHAIRA	18418	0.42	0.49	0.0	1.0
R9CHAIRA	17163	0.41	0.49	0.0	1.0
R10CHAIRA	21849	0.39	0.49	0.0	1.0
R11CHAIRA	20483	0.39	0.49	0.0	1.0
R12CHAIRA	18681	0.40	0.49	0.0	1.0
R13CHAIRA	20803	0.38	0.49	0.0	1.0
S2CHAIRA	8731	0.31	0.46	0.0	1.0
S3CHAIRA	11876	0.33	0.47	0.0	1.0
S4CHAIRA	13947	0.33	0.47	0.0	1.0
S5CHAIRA	12700	0.34	0.48	0.0	1.0
S6CHAIRA	11617	0.38	0.48	0.0	1.0
S7CHAIRA	12941	0.36	0.48	0.0	1.0
S8CHAIRA	11712	0.38	0.49	0.0	1.0
S9CHAIRA	10623	0.38	0.48	0.0	1.0
S10CHAIRA	13408	0.36	0.48	0.0	1.0
S11CHAIRA	12459	0.35	0.48	0.0	1.0
S12CHAIRA	10987	0.36	0.48	0.0	1.0
S13CHAIRA	11741	0.34	0.47	0.0	1.0
R2CLIMSA	11296	0.34	0.47	0.0	1.0
R3CLIMSA	15784	0.42	0.49	0.0	1.0
R4CLIMSA	18914	0.42	0.49	0.0	1.0
R5CLIMSA	17302	0.43	0.50	0.0	1.0
R6CLIMSA	16132	0.47	0.50	0.0	1.0
R7CLIMSA	18200	0.45	0.50	0.0	1.0
R8CLIMSA	17105	0.49	0.50	0.0	1.0
R9CLIMSA	15828	0.48	0.50	0.0	1.0
R10CLIMSA	21010	0.46	0.50	0.0	1.0
R11CLIMSA	19621	0.47	0.50	0.0	1.0
R12CLIMSA	18031	0.49	0.50	0.0	1.0
R13CLIMSA	20167	0.46	0.50	0.0	1.0
S2CLIMSA	8658	0.31	0.46	0.0	1.0
S3CLIMSA	10734	0.38	0.48	0.0	1.0
S4CLIMSA	12685	0.37	0.48	0.0	1.0

S5CLIMSA	11549	0.39	0.49	0.0	1.0
S6CLIMSA	10624	0.42	0.49	0.0	1.0
S7CLIMSA	12042	0.40	0.49	0.0	1.0
S8CLIMSA	11110	0.43	0.49	0.0	1.0
S9CLIMSA	10008	0.43	0.49	0.0	1.0
S10CLIMSA	13070	0.41	0.49	0.0	1.0
S11CLIMSA	12123	0.42	0.49	0.0	1.0
S12CLIMSA	10740	0.43	0.50	0.0	1.0
S13CLIMSA	11516	0.40	0.49	0.0	1.0
R2CLIM1A	19249	0.18	0.39	0.0	1.0
R3CLIM1A	17200	0.17	0.38	0.0	1.0
R4CLIM1A	20542	0.17	0.38	0.0	1.0
R5CLIM1A	18734	0.18	0.39	0.0	1.0
R6CLIM1A	17508	0.19	0.39	0.0	1.0
R7CLIM1A	19423	0.19	0.39	0.0	1.0
R8CLIM1A	17974	0.20	0.40	0.0	1.0
R9CLIM1A	16710	0.20	0.40	0.0	1.0
R10CLIM1A	21574	0.19	0.40	0.0	1.0
R11CLIM1A	20184	0.20	0.40	0.0	1.0
R12CLIM1A	18442	0.21	0.41	0.0	1.0
R13CLIM1A	20586	0.20	0.40	0.0	1.0
S2CLIM1A	12934	0.14	0.35	0.0	1.0
S3CLIM1A	11575	0.13	0.34	0.0	1.0
S4CLIM1A	13640	0.13	0.34	0.0	1.0
S5CLIM1A	12390	0.14	0.35	0.0	1.0
S6CLIM1A	11389	0.14	0.35	0.0	1.0
S7CLIM1A	12706	0.14	0.35	0.0	1.0
S8CLIM1A	11544	0.15	0.36	0.0	1.0
S9CLIM1A	10479	0.15	0.36	0.0	1.0
S10CLIM1A	13324	0.15	0.35	0.0	1.0
S11CLIM1A	12358	0.15	0.36	0.0	1.0
S12CLIM1A	10911	0.16	0.37	0.0	1.0
S13CLIM1A	11688	0.16	0.36	0.0	1.0
R2STOOPA	11411	0.35	0.48	0.0	1.0
R3STOOPA	17665	0.41	0.49	0.0	1.0
R4STOOPA	20986	0.41	0.49	0.0	1.0
R5STOOPA	19192	0.42	0.49	0.0	1.0
R6STOOPA	17847	0.46	0.50	0.0	1.0
R7STOOPA	19705	0.45	0.50	0.0	1.0
R8STOOPA	18198	0.48	0.50	0.0	1.0
R9STOOPA	16943	0.49	0.50	0.0	1.0
R10STOOPA	21712	0.46	0.50	0.0	1.0
R11STOOPA	20312	0.46	0.50	0.0	1.0
R12STOOPA	18553	0.48	0.50	0.0	1.0
R13STOOPA	20697	0.45	0.50	0.0	1.0
S2STOOPA	8734	0.33	0.47	0.0	1.0
S3STOOPA	11777	0.37	0.48	0.0	1.0
S4STOOPA	13786	0.37	0.48	0.0	1.0
S5STOOPA	12566	0.39	0.49	0.0	1.0
S6STOOPA	11516	0.42	0.49	0.0	1.0
S7STOOPA	12788	0.41	0.49	0.0	1.0
S8STOOPA	11629	0.44	0.50	0.0	1.0
S9STOOPA	10544	0.44	0.50	0.0	1.0
S10STOOPA	13360	0.42	0.49	0.0	1.0
S11STOOPA	12403	0.42	0.49	0.0	1.0

S12STOOPA	10942	0.43	0.50	0.0	1.0
S13STOOPA	11714	0.41	0.49	0.0	1.0
R2LIFTA	19376	0.25	0.43	0.0	1.0
R3LIFTA	16997	0.23	0.42	0.0	1.0
R4LIFTA	20360	0.23	0.42	0.0	1.0
R5LIFTA	18632	0.23	0.42	0.0	1.0
R6LIFTA	17364	0.24	0.42	0.0	1.0
R7LIFTA	19316	0.23	0.42	0.0	1.0
R8LIFTA	17887	0.25	0.43	0.0	1.0
R9LIFTA	16659	0.25	0.43	0.0	1.0
R10LIFTA	21522	0.27	0.44	0.0	1.0
R11LIFTA	20166	0.27	0.44	0.0	1.0
R12LIFTA	18461	0.28	0.45	0.0	1.0
R13LIFTA	20606	0.26	0.44	0.0	1.0
S2LIFTA	12994	0.20	0.40	0.0	1.0
S3LIFTA	11491	0.18	0.39	0.0	1.0
S4LIFTA	13544	0.18	0.38	0.0	1.0
S5LIFTA	12372	0.18	0.38	0.0	1.0
S6LIFTA	11339	0.18	0.38	0.0	1.0
S7LIFTA	12663	0.18	0.38	0.0	1.0
S8LIFTA	11528	0.19	0.39	0.0	1.0
S9LIFTA	10455	0.19	0.39	0.0	1.0
S10LIFTA	13308	0.21	0.40	0.0	1.0
S11LIFTA	12365	0.20	0.40	0.0	1.0
S12LIFTA	10925	0.21	0.41	0.0	1.0
S13LIFTA	11686	0.20	0.40	0.0	1.0
R2DIMEA	19607	0.06	0.24	0.0	1.0
R3DIMEA	17909	0.07	0.26	0.0	1.0
R4DIMEA	21282	0.07	0.26	0.0	1.0
R5DIMEA	19481	0.07	0.26	0.0	1.0
R6DIMEA	18099	0.07	0.26	0.0	1.0
R7DIMEA	20040	0.07	0.26	0.0	1.0
R8DIMEA	18413	0.08	0.27	0.0	1.0
R9DIMEA	17158	0.08	0.27	0.0	1.0
R10DIMEA	21839	0.08	0.26	0.0	1.0
R11DIMEA	20496	0.08	0.27	0.0	1.0
R12DIMEA	18698	0.09	0.28	0.0	1.0
R13DIMEA	20822	0.08	0.27	0.0	1.0
S2DIMEA	13076	0.05	0.22	0.0	1.0
S3DIMEA	11881	0.06	0.24	0.0	1.0
S4DIMEA	13941	0.05	0.23	0.0	1.0
S5DIMEA	12695	0.06	0.24	0.0	1.0
S6DIMEA	11614	0.06	0.23	0.0	1.0
S7DIMEA	12940	0.05	0.23	0.0	1.0
S8DIMEA	11721	0.06	0.24	0.0	1.0
S9DIMEA	10631	0.06	0.24	0.0	1.0
S10DIMEA	13407	0.06	0.24	0.0	1.0
S11DIMEA	12469	0.06	0.24	0.0	1.0
S12DIMEA	10997	0.07	0.25	0.0	1.0
S13DIMEA	11745	0.06	0.23	0.0	1.0
R2ARMSA	11411	0.13	0.33	0.0	1.0
R3ARMSA	17848	0.16	0.37	0.0	1.0
R4ARMSA	21234	0.16	0.37	0.0	1.0
R5ARMSA	19451	0.16	0.37	0.0	1.0

R6ARMSA	18063	0.17	0.37	0.0	1.0
R7ARMSA	20014	0.16	0.37	0.0	1.0
R8ARMSA	18375	0.17	0.38	0.0	1.0
R9ARMSA	17144	0.17	0.38	0.0	1.0
R10ARMSA	21833	0.18	0.39	0.0	1.0
R11ARMSA	20480	0.18	0.38	0.0	1.0
R12ARMSA	18675	0.19	0.40	0.0	1.0
R13ARMSA	20817	0.19	0.39	0.0	1.0
S2ARMSA	8737	0.11	0.31	0.0	1.0
S3ARMSA	11853	0.14	0.35	0.0	1.0
S4ARMSA	13923	0.13	0.34	0.0	1.0
S5ARMSA	12680	0.13	0.34	0.0	1.0
S6ARMSA	11598	0.14	0.35	0.0	1.0
S7ARMSA	12928	0.14	0.35	0.0	1.0
S8ARMSA	11703	0.14	0.35	0.0	1.0
S9ARMSA	10614	0.14	0.35	0.0	1.0
S10ARMSA	13406	0.15	0.36	0.0	1.0
S11ARMSA	12457	0.15	0.35	0.0	1.0
S12ARMSA	10988	0.16	0.37	0.0	1.0
S13ARMSA	11749	0.15	0.36	0.0	1.0
R2PUSHA	19178	0.26	0.44	0.0	1.0
R3PUSHA	16391	0.25	0.44	0.0	1.0
R4PUSHA	19668	0.25	0.43	0.0	1.0
R5PUSHA	18017	0.25	0.43	0.0	1.0
R6PUSHA	16818	0.26	0.44	0.0	1.0
R7PUSHA	18871	0.25	0.44	0.0	1.0
R8PUSHA	17553	0.28	0.45	0.0	1.0
R9PUSHA	16321	0.27	0.44	0.0	1.0
R10PUSHA	21361	0.29	0.45	0.0	1.0
R11PUSHA	19989	0.29	0.45	0.0	1.0
R12PUSHA	18390	0.30	0.46	0.0	1.0
R13PUSHA	20465	0.28	0.45	0.0	1.0
S2PUSHA	12910	0.22	0.41	0.0	1.0
S3PUSHA	11139	0.21	0.41	0.0	1.0
S4PUSHA	13151	0.20	0.40	0.0	1.0
S5PUSHA	12045	0.20	0.40	0.0	1.0
S6PUSHA	11050	0.21	0.41	0.0	1.0
S7PUSHA	12430	0.20	0.40	0.0	1.0
S8PUSHA	11362	0.23	0.42	0.0	1.0
S9PUSHA	10323	0.21	0.41	0.0	1.0
S10PUSHA	13234	0.23	0.42	0.0	1.0
S11PUSHA	12287	0.24	0.42	0.0	1.0
S12PUSHA	10892	0.24	0.43	0.0	1.0
S13PUSHA	11639	0.22	0.42	0.0	1.0

Categorical Variable Codes

RwWALKSA: R Some Diff-Walk sev blocks

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		340	4	3	4	3	5	4	7	11
.M=Oth missing	|		1	1							
.R=RF	|		1	2	5	3		4	3	1	7
.S=Skip	|			35	25	23	7	9	7	7	128
.X=Don't do	|		201	532	507	542	462	526	336	323	188
0.No	|		14211	12593	15073	13471	12070	13706	12268	11330	15016
1.Yes	|		4888	4824	5771	5535	5623	5879	5851	5549	6684

Value		w11	w12	w13
.D=DK/NA	|	19	21	18
.M=Oth missing	|			
.R=RF	|	5	1	6
.S=Skip	|	18	15	36
.X=Don't do	|	180	120	113
0.No	|	13860	12354	14219
1.Yes	|	6472	6236	6520

SwWALKSA: S Some Diff-Walk sev blocks

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		260	1		2	2	3	1	3	8
.M=Oth missing	|		1	1							
.R=RF	|		1	1	1	1		2	2	1	4
.S=Skip	|			10	6	5	3	1	1		77
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
.X=Don't do	|		73	235	225	237	178	216	127	121	60
0.No	|		10171	9059	10683	9515	8476	9662	8567	7756	10021
1.Yes	|		2584	2610	3065	2970	2980	3088	3037	2765	3343

Value		w11	w12	w13
.D=DK/NA	|	7	6	12
.M=Oth missing	|			
.R=RF	|	1	1	2
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	70	40	30
0.No	|	9187	7982	8718
1.Yes	|	3219	2980	3010

RwJOGA: R Some Diff-Jog one mile

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		55	2	4	4	8	10	6	14	36
.Q=Not asked this wv		8222								
.R=RF		4					1	1		3
.S=Skip			5398	6312	6107	6095	6423	6201	5887	7019
.X=Don't do		658	6178	7584	7245	5856	5583	4249	3880	2430
0.No		3200	2675	3119	2618	2138	3054	2841	2661	5563
1.Yes		7503	3738	4365	3604	4068	5058	5171	4775	6983

Value	w11	w12	w13
.D=DK/NA	23	25	42
.Q=Not asked this wv			
.R=RF	1	4	2
.S=Skip	6694	6393	6693
.X=Don't do	2339	1638	1825
0.No	5014	4684	6086
1.Yes	6483	6003	6264

SwJOGA: S Some Diff-Jog one mile

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		40	2	1	1	6	6	4	9	24
.Q=Not asked this wv		4549								
.R=RF		4					1			2
.S=Skip			2858	3298	3215	3163	3310	3168	2890	3493
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	417	536	311	220	380	317	365	722
.X=Don't do		505	4221	5139	4895	3891	3675	2739	2460	1384
0.No		2492	2059	2359	1988	1640	2304	2132	1945	3904
1.Yes		5700	2777	3183	2631	2939	3676	3692	3342	4706

Value	w11	w12	w13
.D=DK/NA	14	18	26
.Q=Not asked this wv			
.R=RF	1		2
.S=Skip	3301	3030	3061
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	1341	870	983
0.No	3507	3228	3894
1.Yes	4324	3866	3813

RwWALK1A: R Some Diff-Walk one block

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		347	4	4	4	6	3	4	5	10
.M=Oth missing			1							
.Q=Not asked this wv		8222								
.R=RF		2	2	5	3		3	3	1	7
.S=Skip			35	25	23	7	9	7	8	128
.X=Don't do			214	190	226	187	247	172	150	99
0.No		10332	15368	18287	16477	15041	16875	15257	14119	18347
1.Yes		739	2367	2873	2845	2924	2992	3026	2934	3443

Value	w11	w12	w13
.D=DK/NA	18	16	16
.M=Oth missing			
.Q=Not asked this wv			
.R=RF	4	2	6
.S=Skip	18	15	36
.X=Don't do	94	75	66
0.No	16987	15403	17397
1.Yes	3433	3236	3391

SwWALK1A: S Some Diff-Walk one block

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		265	1	2	1	1		1	2	5
.Q=Not asked this wv		4549								
.R=RF		2	1	1	1		1	2	1	4
.S=Skip			10	6	5	3	1	1	1	77
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	417	536	311	220	380	317	365	722
.X=Don't do			76	66	86	70	90	54	50	27
0.No		7988	10659	12500	11245	10166	11470	10237	9269	11854
1.Yes		486	1170	1405	1392	1399	1410	1440	1323	1546

Value	w11	w12	w13
.D=DK/NA	9	7	5
.Q=Not asked this wv			
.R=RF		1	2
.S=Skip	4	3	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	32	24	25
0.No	10880	9531	10295
1.Yes	1563	1446	1445

RwSITA: R Some Diff-Sit for 2 hours

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		12	4	6	7	7	7	8	5	18
.Q=Not asked this wv		8222								
.R=RF		1	2	5	3		6	3	1	9
.S=Skip			35	26	23	7	10	7	8	129
.X=Don't do		16	172	208	189	173	142	111	109	89
0.No		9166	14486	17275	15790	14405	16112	14718	13786	17349
1.Yes		2225	3292	3864	3566	3573	3852	3622	3308	4440

Value	w11	w12	w13
.D=DK/NA	13	9	29
.Q=Not asked this wv			
.R=RF	3	5	5
.S=Skip	18	16	36
.X=Don't do	97	77	82
0.No	16186	14699	16262
1.Yes	4237	3941	4498

SwSITA: S Some Diff-Sit for 2 hours

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		12	1		2	1	4	5	1	5
.Q=Not asked this wv		4549								
.R=RF		1	1	1	1		3	2	1	4
.S=Skip			10	7	5	3	1	1	1	78
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	417	536	311	220	380	317	365	722
.X=Don't do		11	104	123	102	103	80	54	56	45
0.No		7111	9701	11452	10457	9372	10519	9527	8704	10873
1.Yes		1606	2100	2397	2163	2160	2365	2146	1883	2508

Value	w11	w12	w13
.D=DK/NA	6	6	14
.Q=Not asked this wv			
.R=RF		2	2
.S=Skip	4	3	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	45	34	38
0.No	10095	8889	9447
1.Yes	2338	2078	2271

RwCHAIRA: R Some Diff-Get up fr chair

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		7	4	1	6	9	9	7	4	19
.M=Oth missing			1							
.Q=Not asked this wv		8222								
.R=RF		1	3	5	3		5	3	2	10
.S=Skip			35	26	23	7	10	7	8	129
.X=Don't do		3	49	49	50	34	44	34	40	27
0.No		7742	11414	13524	12143	10715	12243	10707	10043	13238
1.Yes		3667	6485	7779	7353	7400	7818	7711	7120	8611

Value	w11	w12	w13
.D=DK/NA	31	25	38
.M=Oth missing			
.Q=Not asked this wv			
.R=RF	2	6	6
.S=Skip	18	16	36
.X=Don't do	20	19	29
0.No	12466	11179	12856
1.Yes	8017	7502	7947

SwCHAIRA: S Some Diff-Get up fr chair

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		6	1		3	4	4	6	2	12
.M=Oth missing			1							
.Q=Not asked this wv		4549								
.R=RF		1	2	1	1		3	2	2	4
.S=Skip			10	7	5	3	1	1	1	78
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	417	536	311	220	380	317	365	722
.X=Don't do		3	27	25	21	15	23	14	18	11
0.No		6061	7956	9311	8321	7254	8269	7240	6622	8569
1.Yes		2670	3920	4636	4379	4363	4672	4472	4001	4839

Value	w11	w12	w13
.D=DK/NA	18	14	18
.M=Oth missing			
.Q=Not asked this wv			
.R=RF		3	4
.S=Skip	4	3	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Don't do	7	5	9
0.No	8043	7006	7709
1.Yes	4416	3981	4032

RwCLIMSA: R Some Diff-Clmb sev flt str

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		34	9	19	22	17	39	34	22	60
.Q=Not asked this wv	|		8222								
.R=RF	|		1	3	6	3		5	5	1	10
.S=Skip	|			35	26	23	7	10	7	8	129
.X=Don't do	|		89	2160	2419	2228	2009	1875	1318	1358	825
0.No	|		7507	9101	10957	9791	8524	9966	8808	8177	11269
1.Yes	|		3789	6683	7957	7511	7608	8234	8297	7651	9741

Value		w11	w12	w13
.D=DK/NA	|	38	41	41
.Q=Not asked this wv	|			
.R=RF	|	2	5	13
.S=Skip	|	18	16	36
.X=Don't do	|	875	654	655
0.No	|	10429	9181	10954
1.Yes	|	9192	8850	9213

SwCLIMSA: S Some Diff-Clmb sev flt str

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		21	5	10	12	8	22	16	9	29
.Q=Not asked this wv	|		4549								
.R=RF	|		1	2	1	1		3	3	1	5
.S=Skip	|			10	7	5	3	1	1	1	78
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		384	417	536	311	220	380	317	365	722
.X=Don't do	|		61	1166	1277	1163	1004	904	605	627	331
0.No	|		5966	6698	7958	7081	6189	7230	6360	5744	7688
1.Yes	|		2692	4036	4727	4468	4435	4812	4750	4264	5382

Value		w11	w12	w13
.D=DK/NA	|	18	21	20
.Q=Not asked this wv	|			
.R=RF	|		3	6
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	343	245	230
0.No	|	7082	6091	6892
1.Yes	|	5041	4649	4624

RwCLIM1A: R Some Diff-Clmb 1 flt stair

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		94	6	8	13	11	20	14	10	32
.M=Oth missing	|		1								
.R=RF	|		1	4	6	3		5	2	1	7
.S=Skip	|			35	26	23	7	10	7	8	129
.X=Don't do	|		297	746	802	805	639	671	472	488	292
0.No	|		15709	14272	17032	15323	14161	15756	14350	13348	17390
1.Yes	|		3540	2928	3510	3411	3347	3667	3624	3362	4184

Value		w11	w12	w13
.D=DK/NA	|	21	27	39
.M=Oth missing	|			
.R=RF	|	3	3	7
.S=Skip	|	18	16	36
.X=Don't do	|	328	259	244
0.No	|	16095	14607	16428
1.Yes	|	4089	3835	4158

SwCLIM1A: S Some Diff-Clmb 1 flt stair

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		66	3	4	7	4	6	7	5	9
.M=Oth missing	|		1								
.R=RF	|		1	3	1	1		3	2	1	3
.S=Skip	|			10	7	5	3	1	1	1	78
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
.X=Don't do	|		88	326	328	327	243	256	181	160	99
0.No	|		11145	10067	11834	10653	9758	10894	9788	8922	11376
1.Yes	|		1789	1508	1806	1737	1631	1812	1756	1557	1948

Value		w11	w12	w13
.D=DK/NA	|	13	11	15
.M=Oth missing	|			
.R=RF	|	1	3	4
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	112	84	65
0.No	|	10450	9170	9866
1.Yes	|	1908	1741	1822

RwSTOOPA: R Some Diff-Stoop/Kneel/Crch

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4	7	5	5	11	16	11	8	26
.Q=Not asked this wv	|		8222								
.R=RF	|		1	4	6	4		5	3	1	10
.S=Skip	|			35	26	23	7	10	7	8	131
.X=Don't do	|		4	280	361	354	300	393	250	257	155
0.No	|		7429	10503	12436	11054	9602	10836	9439	8713	11629
1.Yes	|		3982	7162	8550	8138	8245	8869	8759	8230	10083

Value		w11	w12	w13
.D=DK/NA	|	30	37	34
.Q=Not asked this wv	|			
.R=RF	|	4	3	8
.S=Skip	|	18	16	36
.X=Don't do	|	190	138	137
0.No	|	10944	9685	11280
1.Yes	|	9368	8868	9417

SwSTOOPA: S Some Diff-Stoop/Kneel/Crch

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3	2	3	1	3	4	3	3	9
.Q=Not asked this wv	|		4549								
.R=RF	|		1	3	1	2		3	2	1	4
.S=Skip	|			10	7	5	3	1	1	1	79
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		384	417	536	311	220	380	317	365	722
.X=Don't do	|		3	125	183	156	117	176	100	97	61
0.No	|		5859	7441	8694	7669	6646	7561	6521	5861	7689
1.Yes	|		2875	4336	5092	4897	4870	5227	5108	4683	5671

Value		w11	w12	w13
.D=DK/NA	|	17	20	12
.Q=Not asked this wv	|			
.R=RF	|	2	1	3
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	62	46	43
0.No	|	7189	6202	6890
1.Yes	|	5214	4740	4824

RwLIFTA: R Some Diff-Lift/carry 10lbs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		10	3	6	7	7	12	7	7	17
.M=Oth missing	|		1								
.R=RF	|		2	4	7	5		4	2	1	9
.S=Skip	|			35	27	23	7	10	7	9	131
.X=Don't do	|		253	952	984	911	787	787	566	541	355
0.No	|		14504	13089	15686	14321	13257	14844	13476	12449	15811
1.Yes	|		4872	3908	4674	4311	4107	4472	4411	4210	5711

Value		w11	w12	w13
.D=DK/NA	|	17	18	20
.M=Oth missing	|			
.R=RF	|	4	3	5
.S=Skip	|	18	16	36
.X=Don't do	|	349	249	245
0.No	|	14819	13288	15202
1.Yes	|	5347	5173	5404

SwLIFTA: S Some Diff-Lift/carry 10lbs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		7		2	1	2	2	1	1	8
.M=Oth missing	|		1								
.R=RF	|		2	3	1	3		2	1	1	4
.S=Skip	|			10	7	5	3	1	1	2	79
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
.X=Don't do	|		86	413	426	349	295	304	204	187	114
0.No	|		10408	9407	11124	10167	9352	10431	9388	8501	10572
1.Yes	|		2586	2084	2420	2205	1987	2232	2140	1954	2736

Value		w11	w12	w13
.D=DK/NA	|	8	7	5
.M=Oth missing	|			
.R=RF	|	2	3	3
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	109	74	78
0.No	|	9868	8632	9379
1.Yes	|	2497	2293	2307

RwDIMEA: R Some Diff-Pick up a dime

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		11	5	13	17	18	28	21	20	31
.M=Oth missing	|		1								
.R=RF	|		2	3	6	4		4	2	1	8
.S=Skip	|			35	28	23	7	10	7	9	131
.X=Don't do	|		21	39	55	53	41	47	26	29	25
0.No	|		18373	16590	19782	18045	16764	18610	16952	15751	20187
1.Yes	|		1234	1319	1500	1436	1335	1430	1461	1407	1652

Value		w11	w12	w13
.D=DK/NA	|	17	20	24
.M=Oth missing	|			
.R=RF	|	1	1	6
.S=Skip	|	18	16	36
.X=Don't do	|	22	12	24
0.No	|	18888	17084	19233
1.Yes	|	1608	1614	1589

SwDIMEA: S Some Diff-Pick up a dime

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		5	1	5	4	6	8	5	3	13
.M=Oth missing	|		1								
.R=RF	|		2	2	1	2		2	1	1	3
.S=Skip	|			10	7	5	3	1	1	2	79
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
.X=Don't do	|		6	23	26	24	16	21	7	9	11
0.No	|		12420	11172	13179	11950	10965	12240	10985	9977	12611
1.Yes	|		656	709	762	745	649	700	736	654	796

Value		w11	w12	w13
.D=DK/NA	|	4	10	12
.M=Oth missing	|			
.R=RF	|		1	3
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	11	1	12
0.No	|	11716	10247	11063
1.Yes	|	753	750	682

RwARMSA: R Some Diff-Rch/xtnd arms up

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		8	4	8	13	13	14	10	9	17
.Q=Not asked this wv	|		8222								
.R=RF	|		1	3	6	5		5	3	1	10
.S=Skip	|			35	27	23	7	10	7	8	131
.X=Don't do	|			101	109	86	82	86	74	55	43
0.No	|		9972	14909	17856	16340	15024	16761	15218	14211	17822
1.Yes	|		1439	2939	3378	3111	3039	3253	3157	2933	4011

Value		w11	w12	w13
.D=DK/NA	|	12	21	24
.Q=Not asked this wv	|			
.R=RF	|	1	4	6
.S=Skip	|	18	16	36
.X=Don't do	|	43	31	29
0.No	|	16778	15041	16965
1.Yes	|	3702	3634	3852

SwARMSA: S Some Diff-Rch/xtnd arms up

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3	2	4	6	3	4	4	3	9
.Q=Not asked this wv	|		4549								
.R=RF	|		1	2	1	3		3	1	1	4
.S=Skip	|			10	7	5	3	1	1	1	79
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		384	417	536	311	220	380	317	365	722
.X=Don't do	|			50	45	36	35	36	26	27	15
0.No	|		7771	10178	12052	10971	9950	11132	10010	9146	11378
1.Yes	|		966	1675	1871	1709	1648	1796	1693	1468	2028

Value		w11	w12	w13
.D=DK/NA	|	8	10	9
.Q=Not asked this wv	|			
.R=RF	|		1	2
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	19	10	12
0.No	|	10617	9232	9949
1.Yes	|	1840	1756	1800

RwPUSHA: R Some Diff-Push/pull lg obj

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		9	4	6	10	8	15	15	10	16
.M=Oth missing	|		1	1							
.R=RF	|		3	4	6	5		6	2	1	9
.S=Skip	|			35	27	23	7	10	7	8	131
.X=Don't do	|		451	1556	1677	1523	1332	1227	892	877	517
0.No	|		14115	12225	14799	13547	12373	14065	12620	11889	15174
1.Yes	|		5063	4166	4869	4470	4445	4806	4933	4432	6187

Value		w11	w12	w13
.D=DK/NA	|	17	19	18
.M=Oth missing	|			
.R=RF	|	4	4	5
.S=Skip	|	18	16	36
.X=Don't do	|	526	318	388
0.No	|	14181	12813	14757
1.Yes	|	5808	5577	5708

SwPUSHA: S Some Diff-Push/pull lg obj

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		6		3	2	6	6	6	5	5
.M=Oth missing	|		1								
.R=RF	|		2	3	1	3		4	1	1	4
.S=Skip	|			10	7	5	3	1	1	1	79
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
.X=Don't do	|		171	765	818	675	580	531	365	316	191
0.No	|		10099	8758	10457	9578	8764	9887	8805	8123	10129
1.Yes	|		2811	2381	2694	2467	2286	2543	2557	2200	3105

Value		w11	w12	w13
.D=DK/NA	|	10	12	8
.M=Oth missing	|			
.R=RF	|	1	2	2
.S=Skip	|	4	3	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Don't do	|	186	103	123
0.No	|	9393	8254	9051
1.Yes	|	2894	2638	2588

How Constructed

These variables recode raw data about difficulty with activities other than activities of daily living (ADLs) and instrumental activities of daily living (IADLs) as yes/no dummy variables, where "1" means some difficulty and "0" means not. These other activities include: walking several blocks (RwWALKSA), jogging one mile (RwJOG), walking one block (RwWALK1A), sitting for about 2 hours (RwSITA), getting up from a chair after sitting for long periods (RwCHAIRA), climbing several flights of stairs without resting (RwCLIMSA), climbing one flight of stairs without resting (RwCLIM1A), lifting or carrying weights over 10 pounds (RwLIFTA), stooping kneeling, or crouching (RwSTOOPA), reaching arms above shoulder level (RwARMSA), pushing or pulling large objects (RwPUSHA), and picking up a dime from the table (RwDIMEA). In the following, references to Rw[func]A apply to all these variables.

Note that questions used to derive RwJOGA, RwWALK1A, RwCLIMSA, RwSITA, RwCHAIRA, RwSTOOPA, and RwARMSA are not asked in Wave 2A. These variables are set to .Q in Wave 2 for AHEAD Respondents.

We attempt to make consistent variables across waves. Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. In particular, there are far fewer "don't do" responses for many activities in Wave 2H than in other waves. In addition, the criteria used for skipping some questions was different in Wave 2A, which may influence the consistency of measurement for R2WALKSA, R2CLIM1A, and R2PUSHA.

The variable derivations for some difficulty (Rw[func]A) vary across waves because the question and responses can vary across waves. In Wave 2, if a Respondent answers "yes" to the first question ("Do you have any difficulty with ...") Rw[func]A is set to "1" for "some difficulty," regardless of how much difficulty the Respondent says s/he has in the follow-up question. From Wave 3 forward, if a Respondent answers "yes" or "can't do" to the any difficulty question, Rw[func]A is set to "1" for "some difficulty."

In all waves, if the Respondent answers "no" to the any difficulty question, Rw[func]A is set to zero. A "don't do" response is recoded to missing value .X, since the Respondent hasn't revealed whether s/he would have difficulty with the activity if s/he ever did it. If the response is "don't know" or "refuse," Rw[func]A is set to special missing codes .D or .R, respectively.

In Wave 2A, if the response to the difficulty question is "don't do," a follow-up question asks if this is because of health. If it is because of health, then R2[func]A is set to "1" for difficulty. Otherwise it is set to .X for "don't do."

In some waves, questions about activities are skipped based on answers to previous questions. In Wave 2H, if a Respondent said "no difficulty jogging a mile," then the questions about walking several blocks and walking one block are skipped. In these cases, R2WALKSA and R2WALK1A are set to "0" for "no difficulty." In Wave 2H and from Wave 3 forward, if "no difficulty" is reported for walking several blocks, the question about walking one block is skipped, and RwWALK1A is set to "0" for "no difficulty." Similarly if "no difficulty" is reported for climbing several flights of stairs, RwCLIM1A is set to "0" for "no difficulty climbing one flight of stairs." In Wave 2A, if the Respondent reported needing help to get across a room, the questions about walking several blocks, climbing a flight of stairs, and pushing large objects are skipped. In these cases, difficulty with these tasks is assumed, so R2WALKSA, R2CLIM1A, and R2PUSHA are set to "1."

The spouse variables are taken from the spouse's self-reported Wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Some of these variables are used to construct functional limitation indices. Please see "Other Summary Indices."

Another version of these variables simply recodes the raw HRS variables. Please see the description of the Rw[func] variables under "Other functional limitations: Raw recodes" for this version.

A third version of these variables are derived for Wave 1 only (R1[func]W). They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper. These are provided for comparison to the results found in that paper. Please see "Other functional limitations: Recodes for comparison to Wallace and Herzog" for a description of the R1[func]W variables. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes described here for other waves (Rw[func]A) solely due to measurement differences in the raw data. The R1[func]W variables are not appropriate for comparison to the Rw[func]A variables in other waves.

Cross Wave Differences in Original HRS Data

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime, but the question wording and possible answers vary. In Waves 1 and 2H, questions about activities of daily living (ADLs) are embedded among those about other functional limitations. This description applies to the other functional limitations. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please look at the answer categories at the top of page one of the booklet and tell me how difficult each activity is for you. Exclude any

difficulties that you expect to last less than three months. How difficult is it for you to [...]? Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes: 1 for "not at all difficult," 2 for "a little difficult," 3 for "somewhat difficult," and 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The first question asks how difficult it is to run or jog a mile. The specific wording for the other functional limitations (besides ADLs) is: walk several blocks; walk one block; sit for about 2 hours; get up from a chair after sitting for long periods; climb several flights of stairs without resting; climb one flight of stairs without resting; lift or carry weights over 10 pounds like a heavy bag of groceries; stoop, kneel, or crouch; pick up a dime from the table; reach or extend your arms above shoulder level; and push or pull large objects like a living room chair. If the Respondent says s/he has "no difficulty" with running a mile, then all the questions about walking, including several blocks, one block, and across a room, are skipped. If "no difficulty" is reported for walking several blocks, then the questions about walking one block or across a room are skipped, and if "no difficulty" is reported for walking one block, the question about walking across a room is skipped. Likewise if "no difficulty" climbing several flights of stairs is reported, the question about climbing one flight of stairs is skipped.

In Wave 2H the questions and answers differ. The questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please tell me how difficult each of the following activities is for you. Exclude any difficulties that you expect to last less than three months. Do you have any difficulty with ...?" [IF YES] "Is that a little difficulty or a lot of difficulty?"

In the data the answers to the two-part question are recoded into 5-categories: 1=yes, a little difficult; 2=yes, a lot; 3=yes, DK; 4=yes, RF; 5=No; 6=doesn't do. Note that there is no "Can't do" category and that "Don't do" is not an option in the instrument. The "Doesn't do" category is likely the result of post-interview interpretation of interview comments so may be observed less frequently than in other waves, simply because of questionnaire differences. The number of "Don't do" responses is much larger in other waves for most activities. For example, only 16 and 91 say "don't do" for sitting for 2 hours and climbing several flights of stairs in Wave 2H, but 87 and 736 have this response in Wave 3H, respectively. The specific wording for these activities and the question skips for walking and climbing stairs are the same as in Wave 1.

In Wave 2A, the questions are different from other waves and the list of activities is shorter. Also the ADL questions are asked first as a group. The questions about functional difficulties besides ADLs and IADLs ask:

"Do you have any difficulty ...?" Answers may be "yes," "no," "can't do" and "don't do." [If YES]: "Is that a little, or a lot of difficulty?" [If DON'T DO to the first question]: "Is that because of a health problem?"

The specific wording for these activities is: walking several blocks; climbing one flight of stairs without resting; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 pounds like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports needing help getting across a room earlier in the interview, then the questions about walking several blocks, climbing stairs, and pushing large objects are skipped.

From Wave 3 forward, the questions about ADLs and IADLs are asked after those about the other activities described here. The questions ask:

"We need to understand difficulties people may have with various activities because of a health or physical problem. Please tell me whether you have any difficulty doing each of the everyday activities that I read to you. Exclude any difficulties that you expect to last less than three months. Because of a health problem do you have any difficulty with ...?"

The answers to the difficulty questions are simply "yes," "no," "can't do," or "don't do." The exact wording for these activities is: walking several blocks; running or jogging about a mile; across a room; walking one block; sitting for about 2 hours; getting up from a chair after sitting for long periods; climbing several flights of stairs without resting; climbing one flight of stairs without resting; stooping, kneeling, or crouching; reaching or extending your arms above shoulder level; pushing or pulling large objects like a living room chair; lifting or carrying weights over 10 pounds like a heavy bag of groceries; and picking up a dime from the table. If the Respondent reports no difficulty to walking several blocks, then the question about running a mile is asked, and the question about walking one block is skipped. The question about climbing one flight of stairs is skipped if no difficulty is reported for climbing several flights of stairs.

From Wave 7 forward, the interviewer may also say the following if the Respondent is in a nursing home or confined to bed or a wheelchair, before asking about these activities:

"I am required to ask about all of these activities. I realize that you may not be able to do some of them, but I would appreciate it if you would just confirm that with me as we go through the list."

HRS Variables Used

AHEAD 1993:

B768	E33. ADL WALK HELP EVER
B852	E47. WALK SEV BLOCKS ANY DIFFICULTY
B865	E48. STAIR CLIMB ANY DIFFICULTY
B872	E49. HEAVY OBJ ANY DIFFICULTY
B879	E50. LIFT 10 LBS ANY DIFFICULTY
B882	E51. PICK UP DIME ANY DIFFICULTY

HRS 1994:

W306	B4.RUNNING/JOGGING 1 MIL
W307	B4a.WALKING SEVERAL BLOC
W308	B4b.WALKING ONE BLOCK
W311	B4e.GETTING UP AFTER SIT
W313	B4g.CLIMBING SEVERAL FLI
W314	B4h.CLIMBING ONE FLIGHT
W315	B4j.LIFTING OR CARRYING
W316	B4k.STOOPING/KNEELING/CR
W317	B4m.PICKING UP A DIME
W319	B4p.EXTENDING ARMS ABOVE
W320	B4q.PULLING/PUSHING LARG

AHEAD 1995:

D1834	E60.DIFF-SEV BLKS
D1837	E61.DIFF-JOG
D1840	E62.DIFF-1 BLK
D1843	E63.DIFF-SIT
D1846	E64.DIFF-CHAIR
D1849	E65.DIFF-STAIRS
D1852	E66.DIFF-1 STAIR
D1855	E67.DIFF-STOOP
D1858	E68.DIFF-REACH
D1861	E69.DIFF-PULL PUSH
D1864	E70.E70.DIFF-WEIGHTS
D1867	E71.PICK DIME

HRS 1996:

E1858	E60.DIFF-SEV BLKS
E1861	E61.DIFF-JOG
E1864	E62.DIFF-1 BLK
E1867	E63.DIFF-SIT
E1870	E64.DIFF-CHAIR
E1873	E65.DIFF-STAIRS
E1876	E66.DIFF-1 STAIR
E1879	E67.DIFF-STOOP
E1882	E68.DIFF-REACH
E1885	E69.DIFF-PULL PUSH
E1888	E70.DIFF-WEIGHTS
E1891	E71.PICK DIME

HRS 1998:

F2391	E60.DIFF-SEV BLKS
F2392	E61.DIFF-JOG
F2394	E62.DIFF-1 BLK

F2397	E63.DIFF-SIT
F2400	E64.DIFF-CHAIR
F2403	E65.DIFF-STAIRS
F2406	E66.DIFF-1 STAIR
F2409	E67.DIFF-STOOP
F2412	E68.DIFF-REACH
F2415	E69.DIFF-PULL PUSH
F2418	E70.DIFF-WEIGHTS
F2421	E71.PICK DIME
HRS 2000:	
G2689	E60.DIFF-SEV BLKS
G2690	E61.DIFF-JOG
G2692	E62.DIFF-1 BLK
G2695	E63.DIFF-SIT
G2698	E64.DIFF-CHAIR
G2701	E65.DIFF-STAIRS
G2704	E66.DIFF-1 STAIR
G2707	E67.DIFF-STOOP
G2710	E68.DIFF-REACH
G2713	E69.DIFF-PULL PUSH
G2716	E70.DIFF-WEIGHTS
G2719	E71.PICK DIME
HRS 2002-2016:	
xG001	DIFFICULTY- WALKING SEVERAL BLOCKS
xG002	DIFFICULTY- JOGGING 1 MILE
xG003	DIFFICULTY- WALKING 1 BLOCK
xG004	DIFFICULTY- SITTING 2 HOURS
xG005	DIFFICULTY- GETTING UP FROM CHAIR
xG006	DIFFICULTY- CLIMBING STAIRS
xG007	DIFFICULTY- CLIMBING 1 FLIGHT OF STAIRS
xG008	DIFFICULTY- STOOPING
xG009	DIFFICULTY- REACHING ARMS
xG010	DIFFICULTY- PULL/PUSH LARGE OBJECTS
xG011	DIFFICULTY- LIFTING WEIGHTS
xG012	DIFFICULTY- PICKING UP DIME

Other Functional Limitations: Recodes for comparison to Wallace and Herzog

Wave	Variable	Label	Type
1	R1WALKSW	R1WALKSW:W1 R Any Diff-Walk sev blocks	Categ
1	S1WALKSW	S1WALKSW:W1 S Any Diff-Walk sev blocks	Categ
1	R1JOGW	R1JOGW:W1 R Any Diff-Jog one mile	Categ
1	S1JOGW	S1JOGW:W1 S Any Diff-Jog one mile	Categ
1	R1WALK1W	R1WALK1W:W1 R Any Diff-Walk one block	Categ
1	S1WALK1W	S1WALK1W:W1 S Any Diff-Walk one block	Categ
1	R1SITW	R1SITW:W1 R Any Diff-Sit for 2 hours	Categ
1	S1SITW	S1SITW:W1 S Any Diff-Sit for 2 hours	Categ
1	R1CHAIRW	R1CHAIRW:W1 R Any Diff-Get up fr chair	Categ
1	S1CHAIRW	S1CHAIRW:W1 S Any Diff-Get up fr chair	Categ
1	R1CLIMSW	R1CLIMSW:W1 R Any Diff-Climb sev flt str	Categ
1	S1CLIMSW	S1CLIMSW:W1 S Any Diff-Climb sev flt str	Categ
1	R1CLIM1W	R1CLIM1W:W1 R Any Diff-Climb 1 flt stair	Categ
1	S1CLIM1W	S1CLIM1W:W1 S Any Diff-Climb 1 flt stair	Categ
1	R1STOOPW	R1STOOPW:W1 R Any Diff-Stoop/Kneel/Crouch	Categ
1	S1STOOPW	S1STOOPW:W1 S Any Diff-Stoop/Kneel/Crouch	Categ
1	R1LIFTW	R1LIFTW:W1 R Any Diff-Lift/carry 10lbs	Categ
1	S1LIFTW	S1LIFTW:W1 S Any Diff-Lift/carry 10lbs	Categ
1	R1DIMEW	R1DIMEW:W1 R Any Diff-Pick up a dime	Categ
1	S1DIMEW	S1DIMEW:W1 S Any Diff-Pick up a dime	Categ
1	R1ARMSW	R1ARMSW:W1 R Any Diff-Reach/xtnd arms up	Categ
1	S1ARMSW	S1ARMSW:W1 S Any Diff-Reach/xtnd arms up	Categ
1	R1PUSHW	R1PUSHW:W1 R Any Diff-Push/pull lg obj	Categ
1	S1PUSHW	S1PUSHW:W1 S Any Diff-Push/pull lg obj	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WALKSW	12471	0.24	0.43	0.0	1.0
S1WALKSW	9785	0.23	0.42	0.0	1.0
R1JOGW	10441	0.82	0.38	0.0	1.0
S1JOGW	8260	0.82	0.39	0.0	1.0

R1WALK1W	12586	0.10	0.31	0.0	1.0
S1WALK1W	9860	0.09	0.29	0.0	1.0
R1SITW	12586	0.29	0.45	0.0	1.0
S1SITW	9852	0.28	0.45	0.0	1.0
R1CHAIRW	12626	0.35	0.48	0.0	1.0
S1CHAIRW	9883	0.34	0.48	0.0	1.0
R1CLIMSW	12352	0.48	0.50	0.0	1.0
S1CLIMSW	9702	0.47	0.50	0.0	1.0
R1CLIM1W	12565	0.18	0.38	0.0	1.0
S1CLIM1W	9848	0.16	0.37	0.0	1.0
R1STOOPW	12579	0.42	0.49	0.0	1.0
S1STOOPW	9857	0.41	0.49	0.0	1.0
R1LIFTW	12523	0.25	0.43	0.0	1.0
S1LIFTW	9817	0.22	0.42	0.0	1.0
R1DIMEW	12643	0.06	0.24	0.0	1.0
S1DIMEW	9894	0.06	0.23	0.0	1.0
R1ARMSW	12636	0.12	0.32	0.0	1.0
S1ARMSW	9890	0.11	0.31	0.0	1.0
R1PUSHW	12489	0.26	0.44	0.0	1.0
S1PUSHW	9794	0.24	0.43	0.0	1.0

Categorical Variable Codes

R1WALKSW: R Any Diff-Walk sev blocks

Value		w1
.X=Don't do	|	181
0.No	|	9441
1.Yes	|	3030

S1WALKSW: S Any Diff-Walk sev blocks

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	115
0.No	|	7551
1.Yes	|	2234

R1JOGW: R Any Diff-Jog one mile

Value		w1
.X=Don't do	|	2211
0.No	|	1854
1.Yes	|	8587

S1JOGW: S Any Diff-Jog one mile

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	1640
0.No	|	1495
1.Yes	|	6765

R1WALK1W: R Any Diff-Walk one block

Value	|	w1
.X=Don't do	|	66
0.No	|	11271
1.Yes	|	1315

S1WALK1W: S Any Diff-Walk one block

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	40
0.No	|	8949
1.Yes	|	911

R1SITW: R Any Diff-Sit for 2 hours

Value	|	w1
.X=Don't do	|	66
0.No	|	8943
1.Yes	|	3643

S1SITW: S Any Diff-Sit for 2 hours

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	48
0.No	|	7049
1.Yes	|	2803

R1CHAIRW: R Any Diff-Get up fr chair

Value		w1
.X=Don't do	|	26
0.No	|	8152
1.Yes	|	4474

S1CHAIRW: S Any Diff-Get up fr chair

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	17
0.No	|	6476
1.Yes	|	3407

R1CLIMSW: R Any Diff-Climb sev flt str

Value		w1
.X=Don't do	|	300
0.No	|	6369
1.Yes	|	5983

S1CLIMSW: S Any Diff-Climb sev flt str

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	198
0.No	|	5188
1.Yes	|	4514

R1CLIM1W: R Any Diff-Climb 1 flt stair

Value		w1
.X=Don't do	|	87
0.No	|	10323
1.Yes	|	2242

S1CLIM1W: S Any Diff-Climb 1 flt stair

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	52
0.No	|	8259
1.Yes	|	1589

R1STOOPW: R Any Diff-Stoop/Kneel/Crouch

Value		w1
.X=Don't do	|	73
0.No	|	7258
1.Yes	|	5321

S1STOOPW: S Any Diff-Stoop/Kneel/Crouch

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	43
0.No	|	5832
1.Yes	|	4025

R1LIFTW: R Any Diff-Lift/carry 10lbs

Value	|	w1
.X=Don't do	|	129
0.No	|	9451
1.Yes	|	3072

S1LIFTW: S Any Diff-Lift/carry 10lbs

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	83
0.No	|	7633
1.Yes	|	2184

R1DIMEW: R Any Diff-Pick up a dime

Value	|	w1
.X=Don't do	|	9
0.No	|	11836
1.Yes	|	807

S1DIMEW: S Any Diff-Pick up a dime

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	6
0.No	|	9330
1.Yes	|	564

R1ARMSW: R Any Diff-Reach/xtnd arms up

Value		w1
.X=Don't do	|	16
0.No	|	11126
1.Yes	|	1510

S1ARMSW: S Any Diff-Reach/xtnd arms up

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	10
0.No	|	8838
1.Yes	|	1052

R1PUSHW: R Any Diff-Push/pull lg obj

Value		w1
.X=Don't do	|	163
0.No	|	9303
1.Yes	|	3186

S1PUSHW: S Any Diff-Push/pull lg obj

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
.X=Don't do	|	106
0.No	|	7471
1.Yes	|	2323

How Constructed

These functional limitation variables are derived for Wave 1 only. They code a yes/no dummy that indicates "any difficulty" in a manner used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). These variables are provided for comparison to the results found in that paper.

Wallace and Herzog recode the functional limitation variables to "1" for "any difficulty" if the Respondent answered "a little difficult," "somewhat difficult" or "very difficult/can't do." A response of "not difficult at all" is recoded to zero. This recoding scheme is applied for these variables to attempt to replicate the results reported in their paper.

If a Respondent reports "no difficulty" jogging a mile, then the questions about walking several blocks and walking one block are skipped. In these cases R1WALKSW and R1WALK1W are set to "0" for "no difficulty." Similarly if the Respondent reports "no difficulty" walking several blocks or climbing several flights of stairs, then the questions about walking one block or climbing one flight of stairs, respectively, are skipped. In these cases R1WALK1W and R1CLIM1W are set to "0" for "no difficulty" as appropriate.

The spouse variables are taken from the spouse's self-reported Wave 1 data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

There are several other versions of these variables. One version simply recodes the raw HRS variables. Please see the descriptions of these under "Other Functional Limitations: Raw recodes."

Another version recodes a yes/no dummy variable in waves other than Wave 1, but these are not comparable with the Wallace and Herzog recodes. Please see the descriptions of these under "Other Functional Limitations: Some difficulty."

Some of the Wallace and Herzog indices are also derived and include some of these measures in creating functional limitation indices. Please see "Other Summary Indices."

Cross Wave Differences in Original HRS Data

In all waves questions ask about a number of activities, such as climbing stairs or picking up a dime, but the question wording and possible answers vary. In Waves 1 and 2H, questions about activities of daily living (ADLs) are embedded among those about other functional limitations. This description applies to the other functional limitations. The Wave 1 questions ask:

"We are interested in how much difficulty people have with various activities because of a health or physical problem. Please look at the answer categories at the top of page one of the booklet and tell me how difficult each activity is for you. Exclude any difficulties that you expect to last less than three months. How difficult is it for you to [...] Is it not at all difficult, a little difficult, somewhat difficult, very difficult, or something that you can't do at all?"

The Respondent can also answer "Don't do." The answers translate into 4 codes: 1 for "not at all difficult," 2 for "a little difficult," 3 for "somewhat difficult," and 4 for "very difficult/can't do." Another code is used for the "Don't do" response. The first question asks how difficult it is to run or jog a mile. The specific wording for the other functional limitations (besides ADLs) is: walk several blocks; walk one block; sit for about 2 hours; get up from a chair after sitting for long periods; climb several flights of stairs without resting; climb one flight of stairs without resting; lift or carry weights over 10 pounds like a heavy bag of groceries; stoop, kneel, or crouch; pick up a dime from the table; reach or extend your arms above shoulder level; and push or pull large objects like a living room chair. If the Respondent says s/he has no difficulty with running a mile, then all the questions about walking, including several blocks, one block, and across a room, are skipped. If "no difficulty" is reported for walking several blocks, then the questions about walking one block or across a room are skipped, and if "no difficulty" is reported for walking one block, the question about walking across a room is skipped. Likewise if "no difficulty" climbing several flights of stairs is reported, the question about climbing one flight of stairs is skipped.

Note that these variables are only derived for Wave 1. In subsequent waves, the question wording and possible answers are sufficiently different that the levels of Wave 1 codes cannot be derived from the data.

HRS Variables Used

HRS 1992:

V304	B4A:RUN OR JOG 1 MIL:IMP
V305	B4B:WALK SEVERAL BLO:IMP
V306	B4C:WALK 1 BLOCK :IMP
V308	B4E:SIT FOR 2 HOURS :IMP
V309	B4F:GET UP AFTR SIT :IMP
V311	B4H:CLMB SVRL FLTS S:IMP
V312	B4J:1 FLT STAIRS-NO :IMP
V313	B4K:LIFT/CARRY 10 LB:IMP
V314	B4M:STOOP/KNEEL/CROU:IMP
V315	B4N:PCK UP DIME FRM :IMP
V317	B4Q:ARMS OVER SHOULD:IMP
V318	B4R:PULL/PUSH LRG OB:IMP

ADL Summary: Sum of ADLs where Respondent reports any difficulty

Wave	Variable	Label	Type
2	R2ADLA	R2ADLA:W2 Some Diff-ADLs /0-5	Cont
3	R3ADLA	R3ADLA:W3 Some Diff-ADLs /0-5	Cont
4	R4ADLA	R4ADLA:W4 Some Diff-ADLs /0-5	Cont
5	R5ADLA	R5ADLA:W5 Some Diff-ADLs /0-5	Cont
6	R6ADLA	R6ADLA:W6 Some Diff-ADLs /0-5	Cont
7	R7ADLA	R7ADLA:W7 Some Diff-ADLs /0-5	Cont
8	R8ADLA	R8ADLA:W8 Some Diff-ADLs /0-5	Cont
9	R9ADLA	R9ADLA:W9 Some Diff-ADLs /0-5	Cont
10	R10ADLA	R10ADLA:W10 Some Diff-ADLs /0-5	Cont
11	R11ADLA	R11ADLA:W11 Some Diff-ADLs /0-5	Cont
12	R12ADLA	R12ADLA:W12 Some Diff-ADLs /0-5	Cont
13	R13ADLA	R13ADLA:W13 Some Diff-ADLs /0-5	Cont
2	S2ADLA	S2ADLA:W2 Some Diff-ADLs /0-5	Cont
3	S3ADLA	S3ADLA:W3 Some Diff-ADLs /0-5	Cont
4	S4ADLA	S4ADLA:W4 Some Diff-ADLs /0-5	Cont
5	S5ADLA	S5ADLA:W5 Some Diff-ADLs /0-5	Cont
6	S6ADLA	S6ADLA:W6 Some Diff-ADLs /0-5	Cont
7	S7ADLA	S7ADLA:W7 Some Diff-ADLs /0-5	Cont
8	S8ADLA	S8ADLA:W8 Some Diff-ADLs /0-5	Cont
9	S9ADLA	S9ADLA:W9 Some Diff-ADLs /0-5	Cont
10	S10ADLA	S10ADLA:W10 Some Diff-ADLs /0-5	Cont
11	S11ADLA	S11ADLA:W11 Some Diff-ADLs /0-5	Cont
12	S12ADLA	S12ADLA:W12 Some Diff-ADLs /0-5	Cont
13	S13ADLA	S13ADLA:W13 Some Diff-ADLs /0-5	Cont
2	R2ADLWA	R2ADLWA:W2 Some Diff-ADLs:Wallace /0-3	Cont
3	R3ADLWA	R3ADLWA:W3 Some Diff-ADLs:Wallace /0-3	Cont
4	R4ADLWA	R4ADLWA:W4 Some Diff-ADLs:Wallace /0-3	Cont
5	R5ADLWA	R5ADLWA:W5 Some Diff-ADLs:Wallace /0-3	Cont
6	R6ADLWA	R6ADLWA:W6 Some Diff-ADLs:Wallace /0-3	Cont
7	R7ADLWA	R7ADLWA:W7 Some Diff-ADLs:Wallace /0-3	Cont
8	R8ADLWA	R8ADLWA:W8 Some Diff-ADLs:Wallace /0-3	Cont
9	R9ADLWA	R9ADLWA:W9 Some Diff-ADLs:Wallace /0-3	Cont
10	R10ADLWA	R10ADLWA:W10 Some Diff-ADLs:Wallace /0-3	Cont
11	R11ADLWA	R11ADLWA:W11 Some Diff-ADLs:Wallace /0-3	Cont
12	R12ADLWA	R12ADLWA:W12 Some Diff-ADLs:Wallace /0-3	Cont
13	R13ADLWA	R13ADLWA:W13 Some Diff-ADLs:Wallace /0-3	Cont
2	S2ADLWA	S2ADLWA:W2 Some Diff-ADLs:Wallace /0-3	Cont
3	S3ADLWA	S3ADLWA:W3 Some Diff-ADLs:Wallace /0-3	Cont
4	S4ADLWA	S4ADLWA:W4 Some Diff-ADLs:Wallace /0-3	Cont
5	S5ADLWA	S5ADLWA:W5 Some Diff-ADLs:Wallace /0-3	Cont
6	S6ADLWA	S6ADLWA:W6 Some Diff-ADLs:Wallace /0-3	Cont
7	S7ADLWA	S7ADLWA:W7 Some Diff-ADLs:Wallace /0-3	Cont
8	S8ADLWA	S8ADLWA:W8 Some Diff-ADLs:Wallace /0-3	Cont
9	S9ADLWA	S9ADLWA:W9 Some Diff-ADLs:Wallace /0-3	Cont
10	S10ADLWA	S10ADLWA:W10 Some Diff-ADLs:Wallace /0-3	Cont
11	S11ADLWA	S11ADLWA:W11 Some Diff-ADLs:Wallace /0-3	Cont
12	S12ADLWA	S12ADLWA:W12 Some Diff-ADLs:Wallace /0-3	Cont
13	S13ADLWA	S13ADLWA:W13 Some Diff-ADLs:Wallace /0-3	Cont
1	R1ADLW	R1ADLW:W1 Any Diff-ADLs /0-5	Cont
1	S1ADLW	S1ADLW:W1 Any Diff-ADLs /0-5	Cont
1	R1ADLWW	R1ADLWW:W1 Any Diff-ADLs:Wallace /0-3	Cont
1	S1ADLWW	S1ADLWW:W1 Any Diff-ADLs:Wallace /0-3	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2ADLA	19641	0.23	0.74	0.0	5.0
R3ADLA	17952	0.37	0.98	0.0	5.0
R4ADLA	21356	0.37	0.99	0.0	5.0
R5ADLA	19554	0.38	0.99	0.0	5.0
R6ADLA	18158	0.39	1.01	0.0	5.0
R7ADLA	20119	0.36	0.98	0.0	5.0
R8ADLA	18460	0.39	1.01	0.0	5.0
R9ADLA	17208	0.40	1.03	0.0	5.0
R10ADLA	21902	0.41	1.04	0.0	5.0
R11ADLA	20535	0.41	1.04	0.0	5.0
R12ADLA	18731	0.43	1.07	0.0	5.0
R13ADLA	20876	0.40	1.02	0.0	5.0
S2ADLA	13089	0.16	0.61	0.0	5.0
S3ADLA	11904	0.26	0.80	0.0	5.0
S4ADLA	13973	0.26	0.81	0.0	5.0
S5ADLA	12725	0.26	0.81	0.0	5.0
S6ADLA	11636	0.26	0.82	0.0	5.0
S7ADLA	12971	0.24	0.79	0.0	5.0
S8ADLA	11734	0.27	0.84	0.0	5.0
S9ADLA	10644	0.26	0.80	0.0	5.0
S10ADLA	13434	0.28	0.85	0.0	5.0
S11ADLA	12484	0.28	0.87	0.0	5.0
S12ADLA	11009	0.30	0.88	0.0	5.0
S13ADLA	11772	0.28	0.84	0.0	5.0
R2ADLWA	19640	0.12	0.44	0.0	3.0
R3ADLWA	17950	0.22	0.62	0.0	3.0
R4ADLWA	21356	0.22	0.63	0.0	3.0
R5ADLWA	19554	0.23	0.63	0.0	3.0
R6ADLWA	18157	0.23	0.64	0.0	3.0
R7ADLWA	20118	0.22	0.62	0.0	3.0
R8ADLWA	18460	0.24	0.64	0.0	3.0
R9ADLWA	17208	0.24	0.65	0.0	3.0
R10ADLWA	21902	0.25	0.66	0.0	3.0
R11ADLWA	20535	0.24	0.66	0.0	3.0
R12ADLWA	18731	0.26	0.68	0.0	3.0
R13ADLWA	20876	0.24	0.64	0.0	3.0
S2ADLWA	13088	0.08	0.36	0.0	3.0
S3ADLWA	11904	0.15	0.51	0.0	3.0
S4ADLWA	13973	0.16	0.52	0.0	3.0
S5ADLWA	12725	0.16	0.52	0.0	3.0
S6ADLWA	11636	0.15	0.52	0.0	3.0
S7ADLWA	12971	0.15	0.51	0.0	3.0
S8ADLWA	11734	0.16	0.53	0.0	3.0
S9ADLWA	10644	0.16	0.52	0.0	3.0
S10ADLWA	13434	0.17	0.54	0.0	3.0
S11ADLWA	12484	0.17	0.54	0.0	3.0
S12ADLWA	11009	0.18	0.56	0.0	3.0
S13ADLWA	11772	0.17	0.53	0.0	3.0
R1ADLW	12650	0.20	0.70	0.0	5.0
S1ADLW	9898	0.17	0.63	0.0	5.0

R1ADLWW	12648	0.08	0.38	0.0	3.0
S1ADLWW	9897	0.07	0.35	0.0	3.0

How Constructed

Two Activities of Daily Living (ADL) summaries were derived from Wave 2 forward. One uses the ADLs proposed by Wallace and Herzog in their paper (Wallace and Herzog, 1995) to define an ADL summary (RwADLWA): bathe, dress, and eat. The second includes these and adds getting in/out of bed and walking across a room (RwADLA). In all waves the "some difficulty" versions of the individual measures are used to construct these measures, i.e., RwWALKRA, RwBEDA, RwBATHA, RwDRESSA, and RwEATA. Each limitation adds one to the summary measure, that is:

$RwADLWA = \text{sum}(RwBATHA, RwDRESSA, RwEATA)$

$RwADLA = \text{sum}(RwBATHA, RwDRESSA, RwEATA, RwBEDA, RwWALKRA)$

Please see "Activities of Daily Living (ADLs): Some difficulty" for a description of how the individual 0/1 variables (Rw[adl]A) are constructed.

Note that neither of these summary measures includes RwTOILTA, which was not available for Wave 2H Respondents.

Because of significant differences in question wording in Wave 1, we do not include these variables for this interview year. There are other cross wave differences in the way HRS presented these questions in Waves 2H and 2A and the later waves that may introduce measurement errors in these variables. In addition, the criteria used for skipping some questions changed between Wave 3 and later waves, which may also influence the consistency of measurement before Wave 4 for all ADLs except dressing.

For Wave 1, an alternate version of each measure is derived. R1ADLWW is analogous to RwADLWA and R1ADLW is analogous to RwADLA. These measures use the variables recoded for comparison to Wallace and Herzog and are provided for comparison to the results found in that paper. Each limitation adds one to the summary measure, that is:

$R1ADLWW = \text{sum}(R1BATHW, R1DRESSW, R1EATW)$

$R1ADLW = \text{sum}(R1BATHW, R1DRESSW, R1EATW, R1BEDW, R1WALKRW)$

Please see "Activities of Daily Living (ADLs): Recodes for Comparison to Wallace and Herzog" for a description of how these 0/1 variables (Rw[adl]W) are constructed. Note that the Wallace and Herzog variables result in more limitation than the 0/1 recodes for other waves (Rw[adl]A) solely due to measurement differences in the raw data. The R1ADLWW and R1ADLWA variables are not appropriate for comparison to the RwADLA and RwADLWA variables in other waves.

The spouse variables are taken from the spouse's self-reported wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

See also IADL Summary and Other Summary Indices.

Cross Wave Differences in Original HRS Data

Please see "Cross Wave Differences in Original HRS Data" for the "Activities of daily living (ADLs): Some difficulty."

IADL Summary: Sum of IADLs where Respondent reports any difficulty

Wave	Variable	Label	Type
1	R1IADLWW	R1IADLWW:W1 Any Diff-IADLs:Wallace /0-3	Cont
1	S1IADLWW	S1IADLWW:W1 Any Diff-IADLs:Wallace /0-3	Cont
2	R2IADLA	R2IADLA:W2 Some Diff-IADLs: W2 Onwards /0-3	Cont
3	R3IADLA	R3IADLA:W3 Some Diff-IADLs: W2 Onwards /0-3	Cont
4	R4IADLA	R4IADLA:W4 Some Diff-IADLs: W2 Onwards /0-3	Cont
5	R5IADLA	R5IADLA:W5 Some Diff-IADLs: W2 Onwards /0-3	Cont
6	R6IADLA	R6IADLA:W6 Some Diff-IADLs: W2 Onwards /0-3	Cont
7	R7IADLA	R7IADLA:W7 Some Diff-IADLs: W2 Onwards /0-3	Cont
8	R8IADLA	R8IADLA:W8 Some Diff-IADLs: W2 Onwards /0-3	Cont
9	R9IADLA	R9IADLA:W9 Some Diff-IADLs: W2 Onwards /0-3	Cont
10	R10IADLA	R10IADLA:W10 Some Diff-IADLs: W2 Onwards /0-3	Cont
11	R11IADLA	R11IADLA:W11 Some Diff-IADLs: W2 Onwards /0-3	Cont
12	R12IADLA	R12IADLA:W12 Some Diff-IADLs: W2 Onwards /0-3	Cont
13	R13IADLA	R13IADLA:W13 Some Diff-IADLs: W2 Onwards /0-3	Cont
2	S2IADLA	S2IADLA:W2 Some Diff-IADLs: W2 Onwards /0-3	Cont
3	S3IADLA	S3IADLA:W3 Some Diff-IADLs: W2 Onwards /0-3	Cont
4	S4IADLA	S4IADLA:W4 Some Diff-IADLs: W2 Onwards /0-3	Cont
5	S5IADLA	S5IADLA:W5 Some Diff-IADLs: W2 Onwards /0-3	Cont
6	S6IADLA	S6IADLA:W6 Some Diff-IADLs: W2 Onwards /0-3	Cont
7	S7IADLA	S7IADLA:W7 Some Diff-IADLs: W2 Onwards /0-3	Cont
8	S8IADLA	S8IADLA:W8 Some Diff-IADLs: W2 Onwards /0-3	Cont
9	S9IADLA	S9IADLA:W9 Some Diff-IADLs: W2 Onwards /0-3	Cont
10	S10IADLA	S10IADLA:W10 Some Diff-IADLs: W2 Onwards /0-3	Cont
11	S11IADLA	S11IADLA:W11 Some Diff-IADLs: W2 Onwards /0-3	Cont
12	S12IADLA	S12IADLA:W12 Some Diff-IADLs: W2 Onwards /0-3	Cont
13	S13IADLA	S13IADLA:W13 Some Diff-IADLs: W2 Onwards /0-3	Cont
2	R2IADLZA	R2IADLZA:W2 Some Diff-IADLs: W2 Onwards /0-5	Cont
3	R3IADLZA	R3IADLZA:W3 Some Diff-IADLs: W2 Onwards /0-5	Cont
4	R4IADLZA	R4IADLZA:W4 Some Diff-IADLs: W2 Onwards /0-5	Cont
5	R5IADLZA	R5IADLZA:W5 Some Diff-IADLs: W2 Onwards /0-5	Cont
6	R6IADLZA	R6IADLZA:W6 Some Diff-IADLs: W2 Onwards /0-5	Cont
7	R7IADLZA	R7IADLZA:W7 Some Diff-IADLs: W2 Onwards /0-5	Cont
8	R8IADLZA	R8IADLZA:W8 Some Diff-IADLs: W2 Onwards /0-5	Cont
9	R9IADLZA	R9IADLZA:W9 Some Diff-IADLs: W2 Onwards /0-5	Cont
10	R10IADLZA	R10IADLZA:W10 Some Diff-IADLs: W2 Onwards /0-5	Cont
11	R11IADLZA	R11IADLZA:W11 Some Diff-IADLs: W2 Onwards /0-5	Cont
12	R12IADLZA	R12IADLZA:W12 Some Diff-IADLs: W2 Onwards /0-5	Cont
13	R13IADLZA	R13IADLZA:W13 Some Diff-IADLs: W2 Onwards /0-5	Cont
2	S2IADLZA	S2IADLZA:W2 Some Diff-IADLs: W2 Onwards /0-5	Cont
3	S3IADLZA	S3IADLZA:W3 Some Diff-IADLs: W2 Onwards /0-5	Cont
4	S4IADLZA	S4IADLZA:W4 Some Diff-IADLs: W2 Onwards /0-5	Cont
5	S5IADLZA	S5IADLZA:W5 Some Diff-IADLs: W2 Onwards /0-5	Cont
6	S6IADLZA	S6IADLZA:W6 Some Diff-IADLs: W2 Onwards /0-5	Cont
7	S7IADLZA	S7IADLZA:W7 Some Diff-IADLs: W2 Onwards /0-5	Cont
8	S8IADLZA	S8IADLZA:W8 Some Diff-IADLs: W2 Onwards /0-5	Cont
9	S9IADLZA	S9IADLZA:W9 Some Diff-IADLs: W2 Onwards /0-5	Cont
10	S10IADLZA	S10IADLZA:W10 Some Diff-IADLs: W2 Onwards /0-5	Cont
11	S11IADLZA	S11IADLZA:W11 Some Diff-IADLs: W2 Onwards /0-5	Cont
12	S12IADLZA	S12IADLZA:W12 Some Diff-IADLs: W2 Onwards /0-5	Cont
13	S13IADLZA	S13IADLZA:W13 Some Diff-IADLs: W2 Onwards /0-5	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IADLWW	12533	0.52	0.77	0.0	3.0

S1IADLWW	9834	0.50	0.75	0.0	3.0
R2IADLA	19638	0.14	0.49	0.0	3.0
R3IADLA	17948	0.16	0.54	0.0	3.0
R4IADLA	21347	0.16	0.55	0.0	3.0
R5IADLA	19549	0.16	0.56	0.0	3.0
R6IADLA	18156	0.18	0.58	0.0	3.0
R7IADLA	20115	0.16	0.55	0.0	3.0
R8IADLA	18457	0.18	0.58	0.0	3.0
R9IADLA	17204	0.18	0.59	0.0	3.0
R10IADLA	21893	0.19	0.59	0.0	3.0
R11IADLA	20534	0.19	0.59	0.0	3.0
R12IADLA	18729	0.20	0.61	0.0	3.0
R13IADLA	20873	0.18	0.56	0.0	3.0
S2IADLA	13086	0.12	0.44	0.0	3.0
S3IADLA	11902	0.11	0.45	0.0	3.0
S4IADLA	13970	0.11	0.45	0.0	3.0
S5IADLA	12722	0.10	0.43	0.0	3.0
S6IADLA	11636	0.11	0.45	0.0	3.0
S7IADLA	12969	0.10	0.44	0.0	3.0
S8IADLA	11731	0.11	0.46	0.0	3.0
S9IADLA	10641	0.11	0.46	0.0	3.0
S10IADLA	13429	0.13	0.48	0.0	3.0
S11IADLA	12483	0.13	0.48	0.0	3.0
S12IADLA	11008	0.14	0.49	0.0	3.0
S13IADLA	11770	0.12	0.47	0.0	3.0
R2IADLZA	8221	0.46	1.09	0.0	5.0
R3IADLZA	17951	0.33	0.95	0.0	5.0
R4IADLZA	21348	0.33	0.95	0.0	5.0
R5IADLZA	19550	0.34	0.98	0.0	5.0
R6IADLZA	18157	0.36	1.02	0.0	5.0
R7IADLZA	20116	0.33	0.96	0.0	5.0
R8IADLZA	18459	0.36	1.01	0.0	5.0
R9IADLZA	17205	0.37	1.02	0.0	5.0
R10IADLZA	21894	0.38	1.00	0.0	5.0
R11IADLZA	20534	0.38	1.02	0.0	5.0
R12IADLZA	18729	0.40	1.04	0.0	5.0
R13IADLZA	20874	0.36	0.97	0.0	5.0
S2IADLZA	4348	0.36	0.98	0.0	5.0
S3IADLZA	11904	0.22	0.77	0.0	5.0
S4IADLZA	13971	0.22	0.77	0.0	5.0
S5IADLZA	12723	0.22	0.77	0.0	5.0
S6IADLZA	11636	0.22	0.78	0.0	5.0
S7IADLZA	12970	0.21	0.73	0.0	5.0
S8IADLZA	11733	0.24	0.79	0.0	5.0
S9IADLZA	10641	0.23	0.77	0.0	5.0
S10IADLZA	13430	0.26	0.81	0.0	5.0
S11IADLZA	12483	0.26	0.82	0.0	5.0
S12IADLZA	11008	0.27	0.84	0.0	5.0
S13IADLZA	11771	0.25	0.80	0.0	5.0

How Constructed

Several summary measures for Instrumental Activities of Daily Living (IADLs) are included in an attempt to provide some consistency across waves. The HRS data does not include the same activities in each wave. The most frequently available IADL-like activity is "using a map," which is available for all waves except Wave 2A.

The usual IADLs were not asked until Wave 2. In Wave 1 there are measures like reading a map, using a calculator, and using a microwave that may serve this purpose. These are the activities that are assumed to have been used by Wallace and Herzog in their paper (Wallace and Herzog, 1995). Using a calculator appears in Wave 2H, but is then dropped in Wave 2A and from Wave 3 on. Using a microwave is only asked in Wave 1. This summary measure is included for Wave 1 as R1IADLWW. R1IADLWW uses the variables recoded for comparison to Wallace and Herzog and is provided for comparison to the results found in that paper. Each limitation adds one to the summary measure, that is:

$$R1IADLWW = \text{sum} (R1MAPW, R1CALCW, R1MCWVW)$$

Please see "Instrumental Activities of Daily Living (IADLs): Recodes for Comparison to Wallace and Herzog" for a description of how the individual variables for R1IADLWW are derived.

Two other IADL summary measures are included. One (RwIADLA) summarizes the commonly used IADLs available from Wave 2 forward: using the phone, managing money, and taking medications. The second (RwIADLZA) summarizes these tasks and adds commonly used IADLs available in Wave 2A and from Wave 3 forward: shopping for groceries and preparing hot meals. All of these summary measures use the "some difficulty" versions of the individual items. Each limitation adds one to the summary measure, that is:

$$RwIADLA = \text{sum} (RwPHONEA, RwMONEYA, RwMEDSA)$$

$$RwIADLZA = \text{sum} (RwPHONEA, RwMONEYA, RwMEDSA, RwSHOPA, RwMEALA)$$

R2IADLZA is available only for AHEAD Respondents in Wave 2 (2A). For HRS Respondents, R2IADLZA is set to .Q to indicate that this measure is not available.

Please see "Instrumental Activities of Daily Living (IADLs): Some difficulty" for a description of how the individual 0/1 variables are constructed.

The spouse variables are taken from the spouse's self-reported wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

See also ADL Summary and Other Summary Indices.

Cross Wave Differences in Original HRS Data

Please see "Cross Wave Differences in Original HRS Data" for the "Instrumental activities of daily living (IADLs): Some difficulty."

Other Summary Indices: Mobility, Large Muscle, Gross Fine Motor Activities

Wave	Variable	Label	Type
2	R2MOBILA	R2MOBILA:W2 Some Diff-Mobility /0-5	Cont
3	R3MOBILA	R3MOBILA:W3 Some Diff-Mobility /0-5	Cont
4	R4MOBILA	R4MOBILA:W4 Some Diff-Mobility /0-5	Cont
5	R5MOBILA	R5MOBILA:W5 Some Diff-Mobility /0-5	Cont
6	R6MOBILA	R6MOBILA:W6 Some Diff-Mobility /0-5	Cont
7	R7MOBILA	R7MOBILA:W7 Some Diff-Mobility /0-5	Cont
8	R8MOBILA	R8MOBILA:W8 Some Diff-Mobility /0-5	Cont
9	R9MOBILA	R9MOBILA:W9 Some Diff-Mobility /0-5	Cont
10	R10MOBILA	R10MOBILA:W10 Some Diff-Mobility /0-5	Cont
11	R11MOBILA	R11MOBILA:W11 Some Diff-Mobility /0-5	Cont
12	R12MOBILA	R12MOBILA:W12 Some Diff-Mobility /0-5	Cont
13	R13MOBILA	R13MOBILA:W13 Some Diff-Mobility /0-5	Cont
2	S2MOBILA	S2MOBILA:W2 Some Diff-Mobility /0-5	Cont
3	S3MOBILA	S3MOBILA:W3 Some Diff-Mobility /0-5	Cont
4	S4MOBILA	S4MOBILA:W4 Some Diff-Mobility /0-5	Cont
5	S5MOBILA	S5MOBILA:W5 Some Diff-Mobility /0-5	Cont
6	S6MOBILA	S6MOBILA:W6 Some Diff-Mobility /0-5	Cont
7	S7MOBILA	S7MOBILA:W7 Some Diff-Mobility /0-5	Cont
8	S8MOBILA	S8MOBILA:W8 Some Diff-Mobility /0-5	Cont
9	S9MOBILA	S9MOBILA:W9 Some Diff-Mobility /0-5	Cont
10	S10MOBILA	S10MOBILA:W10 Some Diff-Mobility /0-5	Cont
11	S11MOBILA	S11MOBILA:W11 Some Diff-Mobility /0-5	Cont
12	S12MOBILA	S12MOBILA:W12 Some Diff-Mobility /0-5	Cont
13	S13MOBILA	S13MOBILA:W13 Some Diff-Mobility /0-5	Cont
2	R2LGMUSA	R2LGMUSA:W2 Some Diff-Large Muscle /0-4	Cont
3	R3LGMUSA	R3LGMUSA:W3 Some Diff-Large Muscle /0-4	Cont
4	R4LGMUSA	R4LGMUSA:W4 Some Diff-Large Muscle /0-4	Cont
5	R5LGMUSA	R5LGMUSA:W5 Some Diff-Large Muscle /0-4	Cont
6	R6LGMUSA	R6LGMUSA:W6 Some Diff-Large Muscle /0-4	Cont
7	R7LGMUSA	R7LGMUSA:W7 Some Diff-Large Muscle /0-4	Cont
8	R8LGMUSA	R8LGMUSA:W8 Some Diff-Large Muscle /0-4	Cont
9	R9LGMUSA	R9LGMUSA:W9 Some Diff-Large Muscle /0-4	Cont
10	R10LGMUSA	R10LGMUSA:W10 Some Diff-Large Muscle /0-4	Cont
11	R11LGMUSA	R11LGMUSA:W11 Some Diff-Large Muscle /0-4	Cont
12	R12LGMUSA	R12LGMUSA:W12 Some Diff-Large Muscle /0-4	Cont
13	R13LGMUSA	R13LGMUSA:W13 Some Diff-Large Muscle /0-4	Cont
2	S2LGMUSA	S2LGMUSA:W2 Some Diff-Large Muscle /0-4	Cont
3	S3LGMUSA	S3LGMUSA:W3 Some Diff-Large Muscle /0-4	Cont
4	S4LGMUSA	S4LGMUSA:W4 Some Diff-Large Muscle /0-4	Cont
5	S5LGMUSA	S5LGMUSA:W5 Some Diff-Large Muscle /0-4	Cont
6	S6LGMUSA	S6LGMUSA:W6 Some Diff-Large Muscle /0-4	Cont
7	S7LGMUSA	S7LGMUSA:W7 Some Diff-Large Muscle /0-4	Cont
8	S8LGMUSA	S8LGMUSA:W8 Some Diff-Large Muscle /0-4	Cont
9	S9LGMUSA	S9LGMUSA:W9 Some Diff-Large Muscle /0-4	Cont
10	S10LGMUSA	S10LGMUSA:W10 Some Diff-Large Muscle /0-4	Cont
11	S11LGMUSA	S11LGMUSA:W11 Some Diff-Large Muscle /0-4	Cont
12	S12LGMUSA	S12LGMUSA:W12 Some Diff-Large Muscle /0-4	Cont
13	S13LGMUSA	S13LGMUSA:W13 Some Diff-Large Muscle /0-4	Cont
2	R2GROSSA	R2GROSSA:W2 Walk1/R, Clim1, Bed, Bath/0-5	Cont
3	R3GROSSA	R3GROSSA:W3 Walk1/R, Clim1, Bed, Bath/0-5	Cont
4	R4GROSSA	R4GROSSA:W4 Walk1/R, Clim1, Bed, Bath/0-5	Cont
5	R5GROSSA	R5GROSSA:W5 Walk1/R, Clim1, Bed, Bath/0-5	Cont
6	R6GROSSA	R6GROSSA:W6 Walk1/R, Clim1, Bed, Bath/0-5	Cont
7	R7GROSSA	R7GROSSA:W7 Walk1/R, Clim1, Bed, Bath/0-5	Cont
8	R8GROSSA	R8GROSSA:W8 Walk1/R, Clim1, Bed, Bath/0-5	Cont
9	R9GROSSA	R9GROSSA:W9 Walk1/R, Clim1, Bed, Bath/0-5	Cont
10	R10GROSSA	R10GROSSA:W10 Walk1/R, Clim1, Bed, Bath/0-5	Cont
11	R11GROSSA	R11GROSSA:W11 Walk1/R, Clim1, Bed, Bath/0-5	Cont
12	R12GROSSA	R12GROSSA:W12 Walk1/R, Clim1, Bed, Bath/0-5	Cont
13	R13GROSSA	R13GROSSA:W13 Walk1/R, Clim1, Bed, Bath/0-5	Cont
2	S2GROSSA	S2GROSSA:W2 Walk1/R, Clim1, Bed, Bath/0-5	Cont

3	S3GROSSA	S3GROSSA:W3 Walk1/R,Clim1,Bed,Bath/0-5	Cont
4	S4GROSSA	S4GROSSA:W4 Walk1/R,Clim1,Bed,Bath/0-5	Cont
5	S5GROSSA	S5GROSSA:W5 Walk1/R,Clim1,Bed,Bath/0-5	Cont
6	S6GROSSA	S6GROSSA:W6 Walk1/R,Clim1,Bed,Bath/0-5	Cont
7	S7GROSSA	S7GROSSA:W7 Walk1/R,Clim1,Bed,Bath/0-5	Cont
8	S8GROSSA	S8GROSSA:W8 Walk1/R,Clim1,Bed,Bath/0-5	Cont
9	S9GROSSA	S9GROSSA:W9 Walk1/R,Clim1,Bed,Bath/0-5	Cont
10	S10GROSSA	S10GROSSA:W10 Walk1/R,Clim1,Bed,Bath/0-5	Cont
11	S11GROSSA	S11GROSSA:W11 Walk1/R,Clim1,Bed,Bath/0-5	Cont
12	S12GROSSA	S12GROSSA:W12 Walk1/R,Clim1,Bed,Bath/0-5	Cont
13	S13GROSSA	S13GROSSA:W13 Walk1/R,Clim1,Bed,Bath/0-5	Cont
2	R2FINEA	R2FINEA:W2 Dime/Eat/Dress /0-3	Cont
3	R3FINEA	R3FINEA:W3 Dime/Eat/Dress /0-3	Cont
4	R4FINEA	R4FINEA:W4 Dime/Eat/Dress /0-3	Cont
5	R5FINEA	R5FINEA:W5 Dime/Eat/Dress /0-3	Cont
6	R6FINEA	R6FINEA:W6 Dime/Eat/Dress /0-3	Cont
7	R7FINEA	R7FINEA:W7 Dime/Eat/Dress /0-3	Cont
8	R8FINEA	R8FINEA:W8 Dime/Eat/Dress /0-3	Cont
9	R9FINEA	R9FINEA:W9 Dime/Eat/Dress /0-3	Cont
10	R10FINEA	R10FINEA:W10 Dime/Eat/Dress /0-3	Cont
11	R11FINEA	R11FINEA:W11 Dime/Eat/Dress /0-3	Cont
12	R12FINEA	R12FINEA:W12 Dime/Eat/Dress /0-3	Cont
13	R13FINEA	R13FINEA:W13 Dime/Eat/Dress /0-3	Cont
2	S2FINEA	S2FINEA:W2 Dime/Eat/Dress /0-3	Cont
3	S3FINEA	S3FINEA:W3 Dime/Eat/Dress /0-3	Cont
4	S4FINEA	S4FINEA:W4 Dime/Eat/Dress /0-3	Cont
5	S5FINEA	S5FINEA:W5 Dime/Eat/Dress /0-3	Cont
6	S6FINEA	S6FINEA:W6 Dime/Eat/Dress /0-3	Cont
7	S7FINEA	S7FINEA:W7 Dime/Eat/Dress /0-3	Cont
8	S8FINEA	S8FINEA:W8 Dime/Eat/Dress /0-3	Cont
9	S9FINEA	S9FINEA:W9 Dime/Eat/Dress /0-3	Cont
10	S10FINEA	S10FINEA:W10 Dime/Eat/Dress /0-3	Cont
11	S11FINEA	S11FINEA:W11 Dime/Eat/Dress /0-3	Cont
12	S12FINEA	S12FINEA:W12 Dime/Eat/Dress /0-3	Cont
13	S13FINEA	S13FINEA:W13 Dime/Eat/Dress /0-3	Cont
1	R1MOBILW	R1MOBILW:W1 Any Diff-Mobility /0-5	Cont
1	S1MOBILW	S1MOBILW:W1 Any Diff-Mobility /0-5	Cont
1	R1LGMUSW	R1LGMUSW:W1 Any Diff-Large Muscle /0-4	Cont
1	S1LGMUSW	S1LGMUSW:W1 Any Diff-Large Muscle /0-4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MOBILA	11407	0.69	1.20	0.0	5.0
R3MOBILA	17944	1.01	1.44	0.0	5.0
R4MOBILA	21352	1.01	1.46	0.0	5.0
R5MOBILA	19541	1.07	1.49	0.0	5.0
R6MOBILA	18151	1.16	1.52	0.0	5.0
R7MOBILA	20107	1.11	1.49	0.0	5.0
R8MOBILA	18454	1.21	1.54	0.0	5.0
R9MOBILA	17205	1.22	1.55	0.0	5.0
R10MOBILA	21903	1.18	1.54	0.0	5.0
R11MOBILA	20535	1.21	1.56	0.0	5.0
R12MOBILA	18731	1.27	1.57	0.0	5.0
R13MOBILA	20872	1.20	1.56	0.0	5.0
S2MOBILA	8731	0.62	1.12	0.0	5.0
S3MOBILA	11902	0.83	1.31	0.0	5.0

S4MOBILA	13972	0.83	1.32	0.0	5.0
S5MOBILA	12723	0.88	1.35	0.0	5.0
S6MOBILA	11634	0.95	1.38	0.0	5.0
S7MOBILA	12968	0.91	1.35	0.0	5.0
S8MOBILA	11733	0.99	1.40	0.0	5.0
S9MOBILA	10645	0.98	1.39	0.0	5.0
S10MOBILA	13434	0.96	1.39	0.0	5.0
S11MOBILA	12484	1.00	1.42	0.0	5.0
S12MOBILA	11009	1.04	1.43	0.0	5.0
S13MOBILA	11770	0.98	1.43	0.0	5.0
R2LGMUSA	11419	1.06	1.28	0.0	4.0
R3LGMUSA	17946	1.18	1.31	0.0	4.0
R4LGMUSA	21345	1.17	1.31	0.0	4.0
R5LGMUSA	19544	1.20	1.31	0.0	4.0
R6LGMUSA	18151	1.30	1.32	0.0	4.0
R7LGMUSA	20102	1.26	1.32	0.0	4.0
R8LGMUSA	18457	1.36	1.34	0.0	4.0
R9LGMUSA	17203	1.34	1.33	0.0	4.0
R10LGMUSA	21898	1.34	1.38	0.0	4.0
R11LGMUSA	20533	1.34	1.39	0.0	4.0
R12LGMUSA	18728	1.38	1.41	0.0	4.0
R13LGMUSA	20873	1.32	1.40	0.0	4.0
S2LGMUSA	8740	1.00	1.23	0.0	4.0
S3LGMUSA	11901	1.07	1.28	0.0	4.0
S4LGMUSA	13966	1.06	1.27	0.0	4.0
S5LGMUSA	12723	1.09	1.27	0.0	4.0
S6LGMUSA	11635	1.18	1.28	0.0	4.0
S7LGMUSA	12962	1.14	1.28	0.0	4.0
S8LGMUSA	11732	1.22	1.30	0.0	4.0
S9LGMUSA	10642	1.20	1.28	0.0	4.0
S10LGMUSA	13431	1.20	1.34	0.0	4.0
S11LGMUSA	12483	1.19	1.34	0.0	4.0
S12LGMUSA	11008	1.22	1.35	0.0	4.0
S13LGMUSA	11770	1.17	1.34	0.0	4.0
R2GROSSA	11420	0.27	0.83	0.0	5.0
R3GROSSA	17954	0.52	1.13	0.0	5.0
R4GROSSA	21359	0.53	1.15	0.0	5.0
R5GROSSA	19554	0.55	1.17	0.0	5.0
R6GROSSA	18158	0.59	1.19	0.0	5.0
R7GROSSA	20118	0.55	1.16	0.0	5.0
R8GROSSA	18462	0.60	1.20	0.0	5.0
R9GROSSA	17209	0.61	1.21	0.0	5.0
R10GROSSA	21906	0.59	1.21	0.0	5.0
R11GROSSA	20536	0.61	1.22	0.0	5.0
R12GROSSA	18732	0.64	1.24	0.0	5.0
R13GROSSA	20876	0.61	1.21	0.0	5.0
S2GROSSA	8741	0.23	0.75	0.0	5.0
S3GROSSA	11906	0.37	0.95	0.0	5.0
S4GROSSA	13974	0.38	0.97	0.0	5.0
S5GROSSA	12725	0.40	0.99	0.0	5.0
S6GROSSA	11636	0.41	1.00	0.0	5.0
S7GROSSA	12970	0.39	0.97	0.0	5.0
S8GROSSA	11734	0.43	1.01	0.0	5.0
S9GROSSA	10645	0.42	0.99	0.0	5.0
S10GROSSA	13436	0.42	1.01	0.0	5.0

S11GROSSA	12484	0.45	1.04	0.0	5.0
S12GROSSA	11009	0.46	1.05	0.0	5.0
S13GROSSA	11772	0.44	1.03	0.0	5.0
R2FINEA	19641	0.13	0.42	0.0	3.0
R3FINEA	17953	0.22	0.57	0.0	3.0
R4FINEA	21356	0.21	0.57	0.0	3.0
R5FINEA	19554	0.22	0.57	0.0	3.0
R6FINEA	18157	0.22	0.57	0.0	3.0
R7FINEA	20119	0.21	0.56	0.0	3.0
R8FINEA	18461	0.23	0.59	0.0	3.0
R9FINEA	17208	0.24	0.59	0.0	3.0
R10FINEA	21902	0.24	0.59	0.0	3.0
R11FINEA	20536	0.23	0.60	0.0	3.0
R12FINEA	18730	0.26	0.62	0.0	3.0
R13FINEA	20875	0.23	0.59	0.0	3.0
S2FINEA	13089	0.09	0.36	0.0	3.0
S3FINEA	11905	0.16	0.50	0.0	3.0
S4FINEA	13973	0.16	0.49	0.0	3.0
S5FINEA	12725	0.17	0.50	0.0	3.0
S6FINEA	11636	0.16	0.48	0.0	3.0
S7FINEA	12971	0.15	0.47	0.0	3.0
S8FINEA	11734	0.18	0.51	0.0	3.0
S9FINEA	10644	0.17	0.49	0.0	3.0
S10FINEA	13434	0.18	0.51	0.0	3.0
S11FINEA	12484	0.18	0.52	0.0	3.0
S12FINEA	11009	0.19	0.54	0.0	3.0
S13FINEA	11772	0.17	0.50	0.0	3.0
R1MOBILW	12641	1.04	1.36	0.0	5.0
S1MOBILW	9891	0.97	1.31	0.0	5.0
R1LGMUSW	12649	1.31	1.34	0.0	4.0
S1LGMUSW	9897	1.27	1.31	0.0	4.0

How Constructed

Several summary measures for functional limitations are included in an attempt to provide some consistency across waves. Wallace and Herzog present summary measures in their paper (Wallace and Herzog, 1995) which include measures for ADLs, mobility, large muscle, and IADLs. For ADL and IADL summary measures, please see "ADL Summary" and "IADL Summary." The mobility and large muscle indices are included here. After examining individual measures, two groupings of the most consistent cross wave measures were added, gross and fine motor summaries.

The large muscle index uses the sitting for 2 hrs, getting up from a chair, stooping, kneeling or crouching, and pushing or pulling large objects activities. The mobility index uses the walking one block, walking several blocks, walking across a room, climbing one flight of stairs, and climbing several flights of stairs activities. The fine motor index uses the picking up a dime, eating, and dressing activities. The gross motor index uses the walking one block, walking across a room, climbing one flight of stairs, getting in or out of bed, and bathing activities. In all waves the "some difficulty" versions of the individual measures are used to construct these measures. Each limitation adds one to the summary measure, that is:

RwMOBILA= sum (RwWALKSA, RwWALK1A, RwWALKRA, RwCLIMSA, RwCLIM1A)

RwLGMUSA= sum (RwSITA, RwCHAIRA, RwSTOOPA, RwPUSHA)

RwGROSSA= sum (RwWALK1A, RwWALKRA, RwCLIM1A, RwBEDA, RwBATHA)

RwFINEA= sum (RwDIMEA, RwEATA, RwDRESSA)

In Wave 2A, there is no R2WALK1A for R2GROSSA so we set .Q to R2GROSSA.

In Wave 2A, there are no R2WALK1A and R2CLIMSA so we set R2MOBILA and R2GROSSA to .Q for AHEAD Respondents in Wave 2. There are no R2SITA, R2CHAIRA and R2STOOPA so we set R2LGMUSA to .Q as well.

Please see "Activities of Daily Living (ADLs): Some difficulty" for a description of how RwWALKRA, RwBEDA, RwBATHA, RwEATA, and RwDRESSA are derived. Please see "Other Functional Limitations: Some difficulty" for a description of how the other individual 0/1 variables are constructed.

For Wave 1 only, alternate versions of two of these measures are derived. R1MOBILW is analogous to RwMOBILA and R1LGMUSW is analogous to RwLGMUSA. These measures use the variables recoded for comparison to Wallace and Herzog, and are provided for comparison to the results found in that paper. Each limitation adds one to the summary measure, that is:

R1MOBILW= sum (R1WALKSW, R1WALK1W, R1WALKRW, R1CLIMSW, R1CLIM1W)

R1LGMUSW= sum (R1SITW, R1CHAIRW, R1STOOPW, R1PUSHW)

Please see "Activities of Daily Living (ADLs): Recodes for Comparison to Wallace and Herzog" for a description of how RwWALKRW is derived. Please see "Other Functional Limitations: Recodes for Comparison to Wallace and Herzog" for how the other individual 0/1 variables are constructed.

The spouse variables are taken from the spouse's self-reported wave "w" data. If the Respondent is not married, spouse variables are set to .U=unmarried. If the Respondent's spouse did not respond, then the variables are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 2A, there are no R2WALK1A and R2CLIMSA so we set R2MOBILA and R2GROSSA to .Q for AHEAD Respondents in Wave 2. There are no R2SITA, R2CHAIRA and R2STOOPA, so we set R2LGMUSA to .Q as well.

Please see "Cross Wave Differences in Original HRS Data" for the "Activities of daily living (ADLs): Some difficulty" and for "Other Functional Limitations: Some difficulty."

Mental health (CESD score)

Wave	Variable	Label	Type
1	R1DEPREX	R1DEPREX:W1 CESD: Felt depressed-raw	Categ
1	S1DEPREX	S1DEPREX:W1 CESD: Felt depressed-raw	Categ
2	R2DEPRES	R2DEPRES:W2 CESD: Felt depressed	Categ
3	R3DEPRES	R3DEPRES:W3 CESD: Felt depressed	Categ
4	R4DEPRES	R4DEPRES:W4 CESD: Felt depressed	Categ
5	R5DEPRES	R5DEPRES:W5 CESD: Felt depressed	Categ
6	R6DEPRES	R6DEPRES:W6 CESD: Felt depressed	Categ
7	R7DEPRES	R7DEPRES:W7 CESD: Felt depressed	Categ
8	R8DEPRES	R8DEPRES:W8 CESD: Felt depressed	Categ
9	R9DEPRES	R9DEPRES:W9 CESD: Felt depressed	Categ
10	R10DEPRES	R10DEPRES:W10 CESD: Felt depressed	Categ
11	R11DEPRES	R11DEPRES:W11 CESD: Felt depressed	Categ
12	R12DEPRES	R12DEPRES:W12 CESD: Felt depressed	Categ
13	R13DEPRES	R13DEPRES:W13 CESD: Felt depressed	Categ
2	S2DEPRES	S2DEPRES:W2 CESD: Felt depressed	Categ
3	S3DEPRES	S3DEPRES:W3 CESD: Felt depressed	Categ
4	S4DEPRES	S4DEPRES:W4 CESD: Felt depressed	Categ
5	S5DEPRES	S5DEPRES:W5 CESD: Felt depressed	Categ
6	S6DEPRES	S6DEPRES:W6 CESD: Felt depressed	Categ
7	S7DEPRES	S7DEPRES:W7 CESD: Felt depressed	Categ
8	S8DEPRES	S8DEPRES:W8 CESD: Felt depressed	Categ
9	S9DEPRES	S9DEPRES:W9 CESD: Felt depressed	Categ
10	S10DEPRES	S10DEPRES:W10 CESD: Felt depressed	Categ
11	S11DEPRES	S11DEPRES:W11 CESD: Felt depressed	Categ
12	S12DEPRES	S12DEPRES:W12 CESD: Felt depressed	Categ
13	S13DEPRES	S13DEPRES:W13 CESD: Felt depressed	Categ
1	R1EFFORX	R1EFFORX:W1 CESD: Everything an effort-raw	Categ
1	S1EFFORX	S1EFFORX:W1 CESD: Everything an effort-raw	Categ
2	R2EFFORT	R2EFFORT:W2 CESD: Everything an effort	Categ
3	R3EFFORT	R3EFFORT:W3 CESD: Everything an effort	Categ
4	R4EFFORT	R4EFFORT:W4 CESD: Everything an effort	Categ
5	R5EFFORT	R5EFFORT:W5 CESD: Everything an effort	Categ
6	R6EFFORT	R6EFFORT:W6 CESD: Everything an effort	Categ
7	R7EFFORT	R7EFFORT:W7 CESD: Everything an effort	Categ
8	R8EFFORT	R8EFFORT:W8 CESD: Everything an effort	Categ
9	R9EFFORT	R9EFFORT:W9 CESD: Everything an effort	Categ
10	R10EFFORT	R10EFFORT:W10 CESD: Everything an effort	Categ
11	R11EFFORT	R11EFFORT:W11 CESD: Everything an effort	Categ
12	R12EFFORT	R12EFFORT:W12 CESD: Everything an effort	Categ
13	R13EFFORT	R13EFFORT:W13 CESD: Everything an effort	Categ
2	S2EFFORT	S2EFFORT:W2 CESD: Everything an effort	Categ
3	S3EFFORT	S3EFFORT:W3 CESD: Everything an effort	Categ
4	S4EFFORT	S4EFFORT:W4 CESD: Everything an effort	Categ
5	S5EFFORT	S5EFFORT:W5 CESD: Everything an effort	Categ
6	S6EFFORT	S6EFFORT:W6 CESD: Everything an effort	Categ
7	S7EFFORT	S7EFFORT:W7 CESD: Everything an effort	Categ
8	S8EFFORT	S8EFFORT:W8 CESD: Everything an effort	Categ
9	S9EFFORT	S9EFFORT:W9 CESD: Everything an effort	Categ
10	S10EFFORT	S10EFFORT:W10 CESD: Everything an effort	Categ
11	S11EFFORT	S11EFFORT:W11 CESD: Everything an effort	Categ
12	S12EFFORT	S12EFFORT:W12 CESD: Everything an effort	Categ
13	S13EFFORT	S13EFFORT:W13 CESD: Everything an effort	Categ
1	R1SLEEPX	R1SLEEPX:W1 CESD: Sleep was restless-raw	Categ
1	S1SLEEPX	S1SLEEPX:W1 CESD: Sleep was restless-raw	Categ
2	R2SLEEPR	R2SLEEPR:W2 CESD: Sleep was restless	Categ
3	R3SLEEPR	R3SLEEPR:W3 CESD: Sleep was restless	Categ

4	R4SLEEP	R4SLEEP:W4 CESD: Sleep was restless	Categ
5	R5SLEEP	R5SLEEP:W5 CESD: Sleep was restless	Categ
6	R6SLEEP	R6SLEEP:W6 CESD: Sleep was restless	Categ
7	R7SLEEP	R7SLEEP:W7 CESD: Sleep was restless	Categ
8	R8SLEEP	R8SLEEP:W8 CESD: Sleep was restless	Categ
9	R9SLEEP	R9SLEEP:W9 CESD: Sleep was restless	Categ
10	R10SLEEP	R10SLEEP:W10 CESD: Sleep was restless	Categ
11	R11SLEEP	R11SLEEP:W11 CESD: Sleep was restless	Categ
12	R12SLEEP	R12SLEEP:W12 CESD: Sleep was restless	Categ
13	R13SLEEP	R13SLEEP:W13 CESD: Sleep was restless	Categ
2	S2SLEEP	S2SLEEP:W2 CESD: Sleep was restless	Categ
3	S3SLEEP	S3SLEEP:W3 CESD: Sleep was restless	Categ
4	S4SLEEP	S4SLEEP:W4 CESD: Sleep was restless	Categ
5	S5SLEEP	S5SLEEP:W5 CESD: Sleep was restless	Categ
6	S6SLEEP	S6SLEEP:W6 CESD: Sleep was restless	Categ
7	S7SLEEP	S7SLEEP:W7 CESD: Sleep was restless	Categ
8	S8SLEEP	S8SLEEP:W8 CESD: Sleep was restless	Categ
9	S9SLEEP	S9SLEEP:W9 CESD: Sleep was restless	Categ
10	S10SLEEP	S10SLEEP:W10 CESD: Sleep was restless	Categ
11	S11SLEEP	S11SLEEP:W11 CESD: Sleep was restless	Categ
12	S12SLEEP	S12SLEEP:W12 CESD: Sleep was restless	Categ
13	S13SLEEP	S13SLEEP:W13 CESD: Sleep was restless	Categ
1	R1WHAPP	R1WHAPP:W1 CESD: Was happy-raw	Categ
1	S1WHAPP	S1WHAPP:W1 CESD: Was happy-raw	Categ
2	R2WHAPP	R2WHAPP:W2 CESD: Was happy	Categ
3	R3WHAPP	R3WHAPP:W3 CESD: Was happy	Categ
4	R4WHAPP	R4WHAPP:W4 CESD: Was happy	Categ
5	R5WHAPP	R5WHAPP:W5 CESD: Was happy	Categ
6	R6WHAPP	R6WHAPP:W6 CESD: Was happy	Categ
7	R7WHAPP	R7WHAPP:W7 CESD: Was happy	Categ
8	R8WHAPP	R8WHAPP:W8 CESD: Was happy	Categ
9	R9WHAPP	R9WHAPP:W9 CESD: Was happy	Categ
10	R10WHAPP	R10WHAPP:W10 CESD: Was happy	Categ
11	R11WHAPP	R11WHAPP:W11 CESD: Was happy	Categ
12	R12WHAPP	R12WHAPP:W12 CESD: Was happy	Categ
13	R13WHAPP	R13WHAPP:W13 CESD: Was happy	Categ
2	S2WHAPP	S2WHAPP:W2 CESD: Was happy	Categ
3	S3WHAPP	S3WHAPP:W3 CESD: Was happy	Categ
4	S4WHAPP	S4WHAPP:W4 CESD: Was happy	Categ
5	S5WHAPP	S5WHAPP:W5 CESD: Was happy	Categ
6	S6WHAPP	S6WHAPP:W6 CESD: Was happy	Categ
7	S7WHAPP	S7WHAPP:W7 CESD: Was happy	Categ
8	S8WHAPP	S8WHAPP:W8 CESD: Was happy	Categ
9	S9WHAPP	S9WHAPP:W9 CESD: Was happy	Categ
10	S10WHAPP	S10WHAPP:W10 CESD: Was happy	Categ
11	S11WHAPP	S11WHAPP:W11 CESD: Was happy	Categ
12	S12WHAPP	S12WHAPP:W12 CESD: Was happy	Categ
13	S13WHAPP	S13WHAPP:W13 CESD: Was happy	Categ
1	R1FLONE	R1FLONE:W1 CESD: Felt lonely-raw	Categ
1	S1FLONE	S1FLONE:W1 CESD: Felt lonely-raw	Categ
2	R2FLONE	R2FLONE:W2 CESD: Felt lonely	Categ
3	R3FLONE	R3FLONE:W3 CESD: Felt lonely	Categ
4	R4FLONE	R4FLONE:W4 CESD: Felt lonely	Categ
5	R5FLONE	R5FLONE:W5 CESD: Felt lonely	Categ
6	R6FLONE	R6FLONE:W6 CESD: Felt lonely	Categ
7	R7FLONE	R7FLONE:W7 CESD: Felt lonely	Categ
8	R8FLONE	R8FLONE:W8 CESD: Felt lonely	Categ
9	R9FLONE	R9FLONE:W9 CESD: Felt lonely	Categ
10	R10FLONE	R10FLONE:W10 CESD: Felt lonely	Categ
11	R11FLONE	R11FLONE:W11 CESD: Felt lonely	Categ
12	R12FLONE	R12FLONE:W12 CESD: Felt lonely	Categ
13	R13FLONE	R13FLONE:W13 CESD: Felt lonely	Categ
2	S2FLONE	S2FLONE:W2 CESD: Felt lonely	Categ

3	S3FLONE	S3FLONE:W3 CESD: Felt lonely	Categ
4	S4FLONE	S4FLONE:W4 CESD: Felt lonely	Categ
5	S5FLONE	S5FLONE:W5 CESD: Felt lonely	Categ
6	S6FLONE	S6FLONE:W6 CESD: Felt lonely	Categ
7	S7FLONE	S7FLONE:W7 CESD: Felt lonely	Categ
8	S8FLONE	S8FLONE:W8 CESD: Felt lonely	Categ
9	S9FLONE	S9FLONE:W9 CESD: Felt lonely	Categ
10	S10FLONE	S10FLONE:W10 CESD: Felt lonely	Categ
11	S11FLONE	S11FLONE:W11 CESD: Felt lonely	Categ
12	S12FLONE	S12FLONE:W12 CESD: Felt lonely	Categ
13	S13FLONE	S13FLONE:W13 CESD: Felt lonely	Categ
1	R1FSADX	R1FSADX:W1 CESD: Felt sad-row	Categ
1	S1FSADX	S1FSADX:W1 CESD: Felt sad-row	Categ
2	R2FSAD	R2FSAD:W2 CESD: Felt sad	Categ
3	R3FSAD	R3FSAD:W3 CESD: Felt sad	Categ
4	R4FSAD	R4FSAD:W4 CESD: Felt sad	Categ
5	R5FSAD	R5FSAD:W5 CESD: Felt sad	Categ
6	R6FSAD	R6FSAD:W6 CESD: Felt sad	Categ
7	R7FSAD	R7FSAD:W7 CESD: Felt sad	Categ
8	R8FSAD	R8FSAD:W8 CESD: Felt sad	Categ
9	R9FSAD	R9FSAD:W9 CESD: Felt sad	Categ
10	R10FSAD	R10FSAD:W10 CESD: Felt sad	Categ
11	R11FSAD	R11FSAD:W11 CESD: Felt sad	Categ
12	R12FSAD	R12FSAD:W12 CESD: Felt sad	Categ
13	R13FSAD	R13FSAD:W13 CESD: Felt sad	Categ
2	S2FSAD	S2FSAD:W2 CESD: Felt sad	Categ
3	S3FSAD	S3FSAD:W3 CESD: Felt sad	Categ
4	S4FSAD	S4FSAD:W4 CESD: Felt sad	Categ
5	S5FSAD	S5FSAD:W5 CESD: Felt sad	Categ
6	S6FSAD	S6FSAD:W6 CESD: Felt sad	Categ
7	S7FSAD	S7FSAD:W7 CESD: Felt sad	Categ
8	S8FSAD	S8FSAD:W8 CESD: Felt sad	Categ
9	S9FSAD	S9FSAD:W9 CESD: Felt sad	Categ
10	S10FSAD	S10FSAD:W10 CESD: Felt sad	Categ
11	S11FSAD	S11FSAD:W11 CESD: Felt sad	Categ
12	S12FSAD	S12FSAD:W12 CESD: Felt sad	Categ
13	S13FSAD	S13FSAD:W13 CESD: Felt sad	Categ
1	R1GOINGX	R1GOINGX:W1 CESD: Could not get going -raw	Categ
1	S1GOINGX	S1GOINGX:W1 CESD: Could not get going -raw	Categ
2	R2GOING	R2GOING:W2 CESD: Could not get going	Categ
3	R3GOING	R3GOING:W3 CESD: Could not get going	Categ
4	R4GOING	R4GOING:W4 CESD: Could not get going	Categ
5	R5GOING	R5GOING:W5 CESD: Could not get going	Categ
6	R6GOING	R6GOING:W6 CESD: Could not get going	Categ
7	R7GOING	R7GOING:W7 CESD: Could not get going	Categ
8	R8GOING	R8GOING:W8 CESD: Could not get going	Categ
9	R9GOING	R9GOING:W9 CESD: Could not get going	Categ
10	R10GOING	R10GOING:W10 CESD: Could not get going	Categ
11	R11GOING	R11GOING:W11 CESD: Could not get going	Categ
12	R12GOING	R12GOING:W12 CESD: Could not get going	Categ
13	R13GOING	R13GOING:W13 CESD: Could not get going	Categ
2	S2GOING	S2GOING:W2 CESD: Could not get going	Categ
3	S3GOING	S3GOING:W3 CESD: Could not get going	Categ
4	S4GOING	S4GOING:W4 CESD: Could not get going	Categ
5	S5GOING	S5GOING:W5 CESD: Could not get going	Categ
6	S6GOING	S6GOING:W6 CESD: Could not get going	Categ
7	S7GOING	S7GOING:W7 CESD: Could not get going	Categ
8	S8GOING	S8GOING:W8 CESD: Could not get going	Categ
9	S9GOING	S9GOING:W9 CESD: Could not get going	Categ
10	S10GOING	S10GOING:W10 CESD: Could not get going	Categ
11	S11GOING	S11GOING:W11 CESD: Could not get going	Categ
12	S12GOING	S12GOING:W12 CESD: Could not get going	Categ
13	S13GOING	S13GOING:W13 CESD: Could not get going	Categ

1	R1ENLIFX	R1ENLIFX:W1 CESD: Enjoyed life -raw	Categ
1	S1ENLIFX	S1ENLIFX:W1 CESD: Enjoyed life -raw	Categ
2	R2ENLIFE	R2ENLIFE:W2 CESD: Enjoyed life	Categ
3	R3ENLIFE	R3ENLIFE:W3 CESD: Enjoyed life	Categ
4	R4ENLIFE	R4ENLIFE:W4 CESD: Enjoyed life	Categ
5	R5ENLIFE	R5ENLIFE:W5 CESD: Enjoyed life	Categ
6	R6ENLIFE	R6ENLIFE:W6 CESD: Enjoyed life	Categ
7	R7ENLIFE	R7ENLIFE:W7 CESD: Enjoyed life	Categ
8	R8ENLIFE	R8ENLIFE:W8 CESD: Enjoyed life	Categ
9	R9ENLIFE	R9ENLIFE:W9 CESD: Enjoyed life	Categ
10	R10ENLIFE	R10ENLIFE:W10 CESD: Enjoyed life	Categ
11	R11ENLIFE	R11ENLIFE:W11 CESD: Enjoyed life	Categ
12	R12ENLIFE	R12ENLIFE:W12 CESD: Enjoyed life	Categ
13	R13ENLIFE	R13ENLIFE:W13 CESD: Enjoyed life	Categ
2	S2ENLIFE	S2ENLIFE:W2 CESD: Enjoyed life	Categ
3	S3ENLIFE	S3ENLIFE:W3 CESD: Enjoyed life	Categ
4	S4ENLIFE	S4ENLIFE:W4 CESD: Enjoyed life	Categ
5	S5ENLIFE	S5ENLIFE:W5 CESD: Enjoyed life	Categ
6	S6ENLIFE	S6ENLIFE:W6 CESD: Enjoyed life	Categ
7	S7ENLIFE	S7ENLIFE:W7 CESD: Enjoyed life	Categ
8	S8ENLIFE	S8ENLIFE:W8 CESD: Enjoyed life	Categ
9	S9ENLIFE	S9ENLIFE:W9 CESD: Enjoyed life	Categ
10	S10ENLIFE	S10ENLIFE:W10 CESD: Enjoyed life	Categ
11	S11ENLIFE	S11ENLIFE:W11 CESD: Enjoyed life	Categ
12	S12ENLIFE	S12ENLIFE:W12 CESD: Enjoyed life	Categ
13	S13ENLIFE	S13ENLIFE:W13 CESD: Enjoyed life	Categ
2	R2CESD	R2CESD:W2 CESD score	Cont
3	R3CESD	R3CESD:W3 CESD score	Cont
4	R4CESD	R4CESD:W4 CESD score	Cont
5	R5CESD	R5CESD:W5 CESD score	Cont
6	R6CESD	R6CESD:W6 CESD score	Cont
7	R7CESD	R7CESD:W7 CESD score	Cont
8	R8CESD	R8CESD:W8 CESD score	Cont
9	R9CESD	R9CESD:W9 CESD score	Cont
10	R10CESD	R10CESD:W10 CESD score	Cont
11	R11CESD	R11CESD:W11 CESD score	Cont
12	R12CESD	R12CESD:W12 CESD score	Cont
13	R13CESD	R13CESD:W13 CESD score	Cont
2	S2CESD	S2CESD:W2 CESD score	Cont
3	S3CESD	S3CESD:W3 CESD score	Cont
4	S4CESD	S4CESD:W4 CESD score	Cont
5	S5CESD	S5CESD:W5 CESD score	Cont
6	S6CESD	S6CESD:W6 CESD score	Cont
7	S7CESD	S7CESD:W7 CESD score	Cont
8	S8CESD	S8CESD:W8 CESD score	Cont
9	S9CESD	S9CESD:W9 CESD score	Cont
10	S10CESD	S10CESD:W10 CESD score	Cont
11	S11CESD	S11CESD:W11 CESD score	Cont
12	S12CESD	S12CESD:W12 CESD score	Cont
13	S13CESD	S13CESD:W13 CESD score	Cont
1	R1CESDM	R1CESDM:W1 missings in CESD score	Cont
2	R2CESDM	R2CESDM:W2 missings in CESD score	Cont
3	R3CESDM	R3CESDM:W3 missings in CESD score	Cont
4	R4CESDM	R4CESDM:W4 missings in CESD score	Cont
5	R5CESDM	R5CESDM:W5 missings in CESD score	Cont
6	R6CESDM	R6CESDM:W6 missings in CESD score	Cont
7	R7CESDM	R7CESDM:W7 missings in CESD score	Cont
8	R8CESDM	R8CESDM:W8 missings in CESD score	Cont
9	R9CESDM	R9CESDM:W9 missings in CESD score	Cont
10	R10CESDM	R10CESDM:W10 missings in CESD score	Cont
11	R11CESDM	R11CESDM:W11 missings in CESD score	Cont
12	R12CESDM	R12CESDM:W12 missings in CESD score	Cont
13	R13CESDM	R13CESDM:W13 missings in CESD score	Cont
1	S1CESDM	S1CESDM:W1 missings in CESD score	Cont
2	S2CESDM	S2CESDM:W2 missings in CESD score	Cont

3	S3CESDM	S3CESDM:W3 missings in CESD score	Cont
4	S4CESDM	S4CESDM:W4 missings in CESD score	Cont
5	S5CESDM	S5CESDM:W5 missings in CESD score	Cont
6	S6CESDM	S6CESDM:W6 missings in CESD score	Cont
7	S7CESDM	S7CESDM:W7 missings in CESD score	Cont
8	S8CESDM	S8CESDM:W8 missings in CESD score	Cont
9	S9CESDM	S9CESDM:W9 missings in CESD score	Cont
10	S10CESDM	S10CESDM:W10 missings in CESD score	Cont
11	S11CESDM	S11CESDM:W11 missings in CESD score	Cont
12	S12CESDM	S12CESDM:W12 missings in CESD score	Cont
13	S13CESDM	S13CESDM:W13 missings in CESD score	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DEPREX	12652	3.63	0.66	1.0	4.0
S1DEPREX	9900	3.67	0.62	1.0	4.0
R2DEPRES	18058	0.18	0.38	0.0	1.0
R3DEPRES	16339	0.16	0.37	0.0	1.0
R4DEPRES	19318	0.17	0.38	0.0	1.0
R5DEPRES	17502	0.18	0.38	0.0	1.0
R6DEPRES	16110	0.17	0.38	0.0	1.0
R7DEPRES	18271	0.16	0.37	0.0	1.0
R8DEPRES	17184	0.17	0.37	0.0	1.0
R9DEPRES	16067	0.13	0.34	0.0	1.0
R10DEPRES	20633	0.14	0.34	0.0	1.0
R11DEPRES	19386	0.14	0.35	0.0	1.0
R12DEPRES	17688	0.13	0.34	0.0	1.0
R13DEPRES	19947	0.13	0.34	0.0	1.0
S2DEPRES	11935	0.15	0.35	0.0	1.0
S3DEPRES	10799	0.13	0.33	0.0	1.0
S4DEPRES	12565	0.14	0.35	0.0	1.0
S5DEPRES	11316	0.14	0.35	0.0	1.0
S6DEPRES	10269	0.14	0.35	0.0	1.0
S7DEPRES	11734	0.13	0.34	0.0	1.0
S8DEPRES	10931	0.13	0.34	0.0	1.0
S9DEPRES	9985	0.10	0.31	0.0	1.0
S10DEPRES	12687	0.11	0.31	0.0	1.0
S11DEPRES	11830	0.11	0.32	0.0	1.0
S12DEPRES	10420	0.11	0.31	0.0	1.0
S13DEPRES	11247	0.10	0.30	0.0	1.0
R1EFFORX	12652	3.45	0.84	1.0	4.0
S1EFFORX	9900	3.50	0.80	1.0	4.0
R2EFFORT	18041	0.24	0.43	0.0	1.0
R3EFFORT	16332	0.22	0.42	0.0	1.0
R4EFFORT	19318	0.26	0.44	0.0	1.0
R5EFFORT	17500	0.24	0.43	0.0	1.0
R6EFFORT	16110	0.26	0.44	0.0	1.0
R7EFFORT	18262	0.25	0.43	0.0	1.0
R8EFFORT	17166	0.26	0.44	0.0	1.0
R9EFFORT	16055	0.23	0.42	0.0	1.0
R10EFFORT	20616	0.27	0.45	0.0	1.0

R11EFFORT	19363	0.26	0.44	0.0	1.0
R12EFFORT	17660	0.27	0.44	0.0	1.0
R13EFFORT	19933	0.28	0.45	0.0	1.0
S2EFFORT	11933	0.21	0.41	0.0	1.0
S3EFFORT	10798	0.19	0.39	0.0	1.0
S4EFFORT	12559	0.24	0.42	0.0	1.0
S5EFFORT	11317	0.21	0.41	0.0	1.0
S6EFFORT	10273	0.22	0.42	0.0	1.0
S7EFFORT	11730	0.21	0.41	0.0	1.0
S8EFFORT	10927	0.23	0.42	0.0	1.0
S9EFFORT	9980	0.19	0.40	0.0	1.0
S10EFFORT	12680	0.24	0.43	0.0	1.0
S11EFFORT	11812	0.23	0.42	0.0	1.0
S12EFFORT	10404	0.24	0.42	0.0	1.0
S13EFFORT	11235	0.24	0.43	0.0	1.0
R1SLEEPX	12652	3.33	0.84	1.0	4.0
S1SLEEPX	9900	3.36	0.81	1.0	4.0
R2SLEEPR	18060	0.31	0.46	0.0	1.0
R3SLEEPR	16347	0.28	0.45	0.0	1.0
R4SLEEPR	19322	0.35	0.48	0.0	1.0
R5SLEEPR	17505	0.33	0.47	0.0	1.0
R6SLEEPR	16108	0.28	0.45	0.0	1.0
R7SLEEPR	18269	0.29	0.45	0.0	1.0
R8SLEEPR	17189	0.30	0.46	0.0	1.0
R9SLEEPR	16067	0.32	0.47	0.0	1.0
R10SLEEPR	20626	0.31	0.46	0.0	1.0
R11SLEEPR	19376	0.33	0.47	0.0	1.0
R12SLEEPR	17671	0.31	0.46	0.0	1.0
R13SLEEPR	19927	0.32	0.47	0.0	1.0
S2SLEEPR	11932	0.29	0.45	0.0	1.0
S3SLEEPR	10804	0.26	0.44	0.0	1.0
S4SLEEPR	12563	0.33	0.47	0.0	1.0
S5SLEEPR	11317	0.32	0.47	0.0	1.0
S6SLEEPR	10268	0.26	0.44	0.0	1.0
S7SLEEPR	11733	0.27	0.44	0.0	1.0
S8SLEEPR	10936	0.27	0.45	0.0	1.0
S9SLEEPR	9985	0.31	0.46	0.0	1.0
S10SLEEPR	12685	0.29	0.45	0.0	1.0
S11SLEEPR	11821	0.31	0.46	0.0	1.0
S12SLEEPR	10411	0.29	0.45	0.0	1.0
S13SLEEPR	11234	0.29	0.46	0.0	1.0
R1WHAPPX	12652	1.91	0.80	1.0	4.0
S1WHAPPX	9900	1.85	0.77	1.0	4.0
R2WHAPPY	18031	0.88	0.32	0.0	1.0
R3WHAPPY	16325	0.89	0.32	0.0	1.0
R4WHAPPY	19316	0.86	0.34	0.0	1.0
R5WHAPPY	17494	0.87	0.33	0.0	1.0
R6WHAPPY	16094	0.87	0.33	0.0	1.0
R7WHAPPY	18227	0.87	0.34	0.0	1.0
R8WHAPPY	17156	0.86	0.34	0.0	1.0
R9WHAPPY	16058	0.86	0.34	0.0	1.0

R10WHAPPY	20594	0.85	0.36	0.0	1.0
R11WHAPPY	19345	0.86	0.35	0.0	1.0
R12WHAPPY	17645	0.86	0.35	0.0	1.0
R13WHAPPY	19902	0.86	0.35	0.0	1.0
S2WHAPPY	11921	0.90	0.29	0.0	1.0
S3WHAPPY	10792	0.91	0.29	0.0	1.0
S4WHAPPY	12560	0.89	0.31	0.0	1.0
S5WHAPPY	11311	0.90	0.31	0.0	1.0
S6WHAPPY	10266	0.90	0.30	0.0	1.0
S7WHAPPY	11712	0.89	0.31	0.0	1.0
S8WHAPPY	10917	0.89	0.31	0.0	1.0
S9WHAPPY	9983	0.89	0.31	0.0	1.0
S10WHAPPY	12669	0.88	0.33	0.0	1.0
S11WHAPPY	11806	0.88	0.32	0.0	1.0
S12WHAPPY	10396	0.89	0.32	0.0	1.0
S13WHAPPY	11231	0.89	0.31	0.0	1.0
R1FLONEX	12652	3.70	0.62	1.0	4.0
S1FLONEX	9900	3.78	0.53	1.0	4.0
R2FLONE	18065	0.16	0.36	0.0	1.0
R3FLONE	16342	0.16	0.37	0.0	1.0
R4FLONE	19322	0.18	0.38	0.0	1.0
R5FLONE	17502	0.18	0.39	0.0	1.0
R6FLONE	16108	0.18	0.39	0.0	1.0
R7FLONE	18271	0.17	0.38	0.0	1.0
R8FLONE	17183	0.18	0.38	0.0	1.0
R9FLONE	16064	0.16	0.37	0.0	1.0
R10FLONE	20631	0.17	0.38	0.0	1.0
R11FLONE	19383	0.17	0.38	0.0	1.0
R12FLONE	17677	0.17	0.38	0.0	1.0
R13FLONE	19944	0.17	0.38	0.0	1.0
S2FLONE	11935	0.08	0.28	0.0	1.0
S3FLONE	10803	0.09	0.29	0.0	1.0
S4FLONE	12564	0.11	0.31	0.0	1.0
S5FLONE	11315	0.11	0.31	0.0	1.0
S6FLONE	10269	0.10	0.29	0.0	1.0
S7FLONE	11736	0.10	0.30	0.0	1.0
S8FLONE	10932	0.10	0.30	0.0	1.0
S9FLONE	9985	0.09	0.29	0.0	1.0
S10FLONE	12687	0.10	0.31	0.0	1.0
S11FLONE	11830	0.10	0.30	0.0	1.0
S12FLONE	10419	0.10	0.31	0.0	1.0
S13FLONE	11246	0.10	0.30	0.0	1.0
R1FSADX	12652	3.60	0.62	1.0	4.0
S1FSADX	9900	3.64	0.58	1.0	4.0
R2FSAD	18055	0.17	0.38	0.0	1.0
R3FSAD	16340	0.16	0.37	0.0	1.0
R4FSAD	19318	0.20	0.40	0.0	1.0
R5FSAD	17501	0.22	0.41	0.0	1.0
R6FSAD	16107	0.21	0.41	0.0	1.0
R7FSAD	18265	0.21	0.40	0.0	1.0
R8FSAD	17177	0.20	0.40	0.0	1.0

R9FSAD	16061	0.18	0.38	0.0	1.0
R10FSAD	20628	0.19	0.39	0.0	1.0
R11FSAD	19373	0.20	0.40	0.0	1.0
R12FSAD	17664	0.19	0.39	0.0	1.0
R13FSAD	19937	0.20	0.40	0.0	1.0
S2FSAD	11929	0.13	0.34	0.0	1.0
S3FSAD	10800	0.13	0.34	0.0	1.0
S4FSAD	12561	0.17	0.37	0.0	1.0
S5FSAD	11316	0.18	0.38	0.0	1.0
S6FSAD	10268	0.17	0.38	0.0	1.0
S7FSAD	11732	0.17	0.37	0.0	1.0
S8FSAD	10928	0.16	0.37	0.0	1.0
S9FSAD	9981	0.14	0.35	0.0	1.0
S10FSAD	12687	0.15	0.36	0.0	1.0
S11FSAD	11819	0.15	0.36	0.0	1.0
S12FSAD	10410	0.15	0.36	0.0	1.0
S13FSAD	11242	0.16	0.37	0.0	1.0
R1GOINGX	12652	3.48	0.74	1.0	4.0
S1GOINGX	9900	3.51	0.72	1.0	4.0
R2GOING	18044	0.21	0.41	0.0	1.0
R3GOING	16335	0.19	0.40	0.0	1.0
R4GOING	19310	0.23	0.42	0.0	1.0
R5GOING	17500	0.22	0.42	0.0	1.0
R6GOING	16103	0.23	0.42	0.0	1.0
R7GOING	18247	0.21	0.41	0.0	1.0
R8GOING	17167	0.22	0.41	0.0	1.0
R9GOING	16051	0.20	0.40	0.0	1.0
R10GOING	20576	0.21	0.41	0.0	1.0
R11GOING	19321	0.21	0.41	0.0	1.0
R12GOING	17627	0.21	0.40	0.0	1.0
R13GOING	19889	0.20	0.40	0.0	1.0
S2GOING	11928	0.18	0.38	0.0	1.0
S3GOING	10798	0.17	0.37	0.0	1.0
S4GOING	12556	0.21	0.41	0.0	1.0
S5GOING	11315	0.20	0.40	0.0	1.0
S6GOING	10265	0.20	0.40	0.0	1.0
S7GOING	11720	0.18	0.39	0.0	1.0
S8GOING	10926	0.18	0.39	0.0	1.0
S9GOING	9974	0.18	0.38	0.0	1.0
S10GOING	12662	0.19	0.39	0.0	1.0
S11GOING	11788	0.18	0.38	0.0	1.0
S12GOING	10386	0.18	0.38	0.0	1.0
S13GOING	11219	0.16	0.37	0.0	1.0
R1ENLIFX	12652	1.62	0.77	1.0	4.0
S1ENLIFX	9900	1.59	0.73	1.0	4.0
R2ENLIFE	18034	0.92	0.26	0.0	1.0
R3ENLIFE	16329	0.93	0.25	0.0	1.0
R4ENLIFE	19310	0.92	0.28	0.0	1.0
R5ENLIFE	17495	0.92	0.27	0.0	1.0
R6ENLIFE	16101	0.93	0.26	0.0	1.0
R7ENLIFE	18254	0.92	0.27	0.0	1.0

R8ENLIFE	17174	0.92	0.28	0.0	1.0
R9ENLIFE	16049	0.91	0.28	0.0	1.0
R10ENLIFE	20617	0.91	0.29	0.0	1.0
R11ENLIFE	19350	0.91	0.29	0.0	1.0
R12ENLIFE	17669	0.90	0.29	0.0	1.0
R13ENLIFE	19927	0.91	0.29	0.0	1.0
S2ENLIFE	11923	0.94	0.24	0.0	1.0
S3ENLIFE	10796	0.94	0.23	0.0	1.0
S4ENLIFE	12558	0.93	0.25	0.0	1.0
S5ENLIFE	11315	0.93	0.25	0.0	1.0
S6ENLIFE	10270	0.94	0.23	0.0	1.0
S7ENLIFE	11727	0.94	0.25	0.0	1.0
S8ENLIFE	10925	0.93	0.25	0.0	1.0
S9ENLIFE	9979	0.93	0.25	0.0	1.0
S10ENLIFE	12687	0.93	0.26	0.0	1.0
S11ENLIFE	11815	0.93	0.26	0.0	1.0
S12ENLIFE	10416	0.93	0.26	0.0	1.0
S13ENLIFE	11236	0.93	0.26	0.0	1.0
R2CESD	18070	1.47	2.00	0.0	8.0
R3CESD	16347	1.36	1.90	0.0	8.0
R4CESD	19329	1.62	1.95	0.0	8.0
R5CESD	17508	1.58	1.93	0.0	8.0
R6CESD	16125	1.54	1.98	0.0	8.0
R7CESD	18283	1.50	1.99	0.0	8.0
R8CESD	17198	1.54	2.01	0.0	8.0
R9CESD	16075	1.45	1.98	0.0	8.0
R10CESD	20647	1.53	2.04	0.0	8.0
R11CESD	19400	1.54	2.05	0.0	8.0
R12CESD	17696	1.52	2.05	0.0	8.0
R13CESD	19965	1.54	2.03	0.0	8.0
S2CESD	11938	1.19	1.81	0.0	8.0
S3CESD	10804	1.12	1.73	0.0	8.0
S4CESD	12568	1.37	1.80	0.0	8.0
S5CESD	11318	1.32	1.79	0.0	8.0
S6CESD	10278	1.25	1.79	0.0	8.0
S7CESD	11742	1.24	1.82	0.0	8.0
S8CESD	10938	1.26	1.82	0.0	8.0
S9CESD	9989	1.19	1.78	0.0	8.0
S10CESD	12692	1.27	1.86	0.0	8.0
S11CESD	11834	1.27	1.86	0.0	8.0
S12CESD	10422	1.26	1.86	0.0	8.0
S13CESD	11251	1.24	1.81	0.0	8.0
R1CESDM	12652	0.04	0.50	0.0	8.0
R2CESDM	19642	0.65	2.17	0.0	8.0
R3CESDM	17991	0.74	2.31	0.0	8.0
R4CESDM	21384	0.77	2.36	0.0	8.0
R5CESDM	19578	0.85	2.46	0.0	8.0
R6CESDM	18165	0.91	2.53	0.0	8.0
R7CESDM	20129	0.74	2.31	0.0	8.0
R8CESDM	18469	0.56	2.03	0.0	8.0
R9CESDM	17217	0.54	1.99	0.0	8.0
R10CESDM	22034	0.52	1.94	0.0	8.0
R11CESDM	20554	0.46	1.84	0.0	8.0
R12CESDM	18747	0.46	1.84	0.0	8.0
R13CESDM	20912	0.38	1.67	0.0	8.0

S1CESDM	9900	0.05	0.53	0.0	8.0
S2CESDM	13090	0.71	2.27	0.0	8.0
S3CESDM	11917	0.75	2.33	0.0	8.0
S4CESDM	13980	0.81	2.41	0.0	8.0
S5CESDM	12730	0.89	2.51	0.0	8.0
S6CESDM	11639	0.94	2.57	0.0	8.0
S7CESDM	12972	0.77	2.35	0.0	8.0
S8CESDM	11735	0.55	2.02	0.0	8.0
S9CESDM	10646	0.50	1.93	0.0	8.0
S10CESDM	13513	0.49	1.91	0.0	8.0
S11CESDM	12488	0.43	1.78	0.0	8.0
S12CESDM	11012	0.44	1.80	0.0	8.0
S13CESDM	11779	0.37	1.66	0.0	8.0

Categorical Variable Codes

R1DEPREX: CESD: Felt depressed-raw

Value		w1
1.All or almost all	|	298
2.Most of the time	|	371
3.Some of the time	|	3090
4.None or almost none	|	8893

S1DEPREX: CESD: Felt depressed-raw

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.All or almost all	|	186
2.Most of the time	|	237
3.Some of the time	|	2252
4.None or almost none	|	7225

RwDEPRES: CESD: Felt depressed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		13	7	5	6	15	9	13	9	13
.M=Oth missing			2	9	6		36	3		3
.R=RF		6	3	9	2	4	11	9	1	3
.S=Skip,question not asked		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No		14805	13749	15946	14378	13291	15329	14316	13941	17800
1.Yes		3253	2590	3372	3124	2819	2942	2868	2126	2833

Value	w11	w12	w13
.D=DK/NA	14	9	12
.M=Oth missing	1		1
.R=RF	7	1	11
.S=Skip,question not asked	1146	1049	941
0.No	16649	15312	17258
1.Yes	2737	2376	2689

SwDEPRES: CESD: Felt depressed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4	4	1	3	9	5	5	4	4
.M=Oth missing			2	3	1		23	1		3
.R=RF		2	1	4		2	7	6		2
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
0.No		10204	9428	10757	9716	8834	10213	9482	8945	11295
1.Yes		1731	1371	1808	1600	1435	1521	1449	1040	1392

Value	w11	w12	w13
.D=DK/NA	4	3	2
.M=Oth missing	1		
.R=RF	4		4
.S=Skip,question not asked	649	589	526
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	10504	9309	10086
1.Yes	1326	1111	1161

R1EFFORX: CESD: Everything an effort-raw

Value	|	w1
1.All or almost all	|	626
2.Most of the time	|	971
3.Some of the time	|	3090
4.None or almost none	|	7965

S1EFFORX: CESD: Everything an effort-raw

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.All or almost all	|	429
2.Most of the time	|	658
3.Some of the time	|	2359
4.None or almost none	|	6454

RwEFFORT: CESD: Everything an effort

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		27	14	9	7	13	17	29	19	27
.M=Oth missing	|			1	11	7		36	3		3
.R=RF	|		9	4	3	2	6	12	11	3	6
.S=Skip,question not asked	|		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No	|		13689	12693	14244	13303	11953	13771	12652	12397	14973
1.Yes	|		4352	3639	5074	4197	4157	4491	4514	3658	5643

Value	|	w11	w12	w13
.D=DK/NA	|	33	34	26
.M=Oth missing	|	1		1
.R=RF	|	11	4	11
.S=Skip,question not asked	|	1146	1049	941
0.No	|	14290	12907	14369
1.Yes	|	5073	4753	5564

SwEFFORT: CESD: Everything an effort

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		6	6	7	1	5	8	9	8	10
.M=Oth missing			1	5	1		23	1		3
.R=RF		2	1	2	1	2	8	6	1	3
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
0.No		9454	8711	9604	8922	7974	9213	8393	8043	9648
1.Yes		2479	2087	2955	2395	2299	2517	2534	1937	3032

Value	w11	w12	w13
.D=DK/NA	18	18	13
.M=Oth missing	1		
.R=RF	8	1	5
.S=Skip,question not asked	649	589	526
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	9128	7945	8489
1.Yes	2684	2459	2746

R1SLEEPX: CESD: Sleep was restless-raw

Value	w1
1.All or almost all	692
2.Most of the time	1011
3.Some of the time	4400
4.None or almost none	6549

S1SLEEPX: CESD: Sleep was restless-raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	471
2.Most of the time	733
3.Some of the time	3503
4.None or almost none	5193

RwSLEEP: CESD: Sleep was restless

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		15		3	3	15	11	11	9	20
.M=Oth missing			1	12	6		36	3		3
.R=RF		2	3	4	2	6	11	6	1	3
.S=Skip,question not asked		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No		12460	11833	12613	11683	11592	12954	12111	10878	14241
1.Yes		5600	4514	6709	5822	4516	5315	5078	5189	6385

Value	w11	w12	w13
.D=DK/NA	24	25	38
.M=Oth missing	1		1
.R=RF	7	2	5
.S=Skip,question not asked	1146	1049	941
0.No	12980	12143	13582
1.Yes	6396	5528	6345

SwSLEEP: CESD: Sleep was restless

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		8		2	1	9	6	2	4	7
.M=Oth missing			1	6	1		23	1		3
.R=RF		1	1	2	1	3	7	4		1
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
0.No		8528	8012	8430	7736	7581	8566	7936	6928	9042
1.Yes		3404	2792	4133	3581	2687	3167	3000	3057	3643

Value	w11	w12	w13
.D=DK/NA	12	11	18
.M=Oth missing	1		
.R=RF	5	1	1
.S=Skip,question not asked	649	589	526
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	8171	7374	7940
1.Yes	3650	3037	3294

R1WHAPPX: CESD: Was happy-raw

Value		w1
1.All or almost all	|	4265
2.Most of the time	|	5747
3.Some of the time	|	2200
4.None or almost none	|	440

S1WHAPPX: CESD: Was happy-raw

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.All or almost all	|	3510
2.Most of the time	|	4578
3.Some of the time	|	1551
4.None or almost none	|	261

RwWHAPPY: CESD: Was happy

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		39	16	7	12	28	47	38	17	44
.M=Oth missing	|			4	14	7		36	3		3
.R=RF	|		7	6	4	3	7	17	12	2	11
.S=Skip,question not asked	|		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No	|		2119	1825	2616	2210	2048	2397	2324	2172	3068
1.Yes	|		15912	14500	16700	15284	14046	15830	14832	13886	17526

Value		w11	w12	w13
.D=DK/NA	|	52	47	58
.M=Oth missing	|	1		1
.R=RF	|	10	6	10
.S=Skip,question not asked	|	1146	1049	941
0.No	|	2791	2537	2839
1.Yes	|	16554	15108	17063

SwWHAPPY: CESD: Was happy

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		16	8	4	7	11	24	17	6	18
.M=Oth missing			4	6	1		23	1		3
.R=RF		4	2	3	1	3	10	8		6
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
0.No		1141	993	1387	1184	1051	1284	1181	1085	1530
1.Yes		10780	9799	11173	10127	9215	10428	9736	8898	11139

Value	w11	w12	w13
.D=DK/NA	27	24	19
.M=Oth missing	1		
.R=RF	5	3	3
.S=Skip,question not asked	649	589	526
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	1362	1189	1220
1.Yes	10444	9207	10011

R1FLONEX: CESD: Felt lonely-raw

Value	w1
1.All or almost all	249
2.Most of the time	358
3.Some of the time	2377
4.None or almost none	9668

S1FLONEX: CESD: Felt lonely-raw

Value	w1
.U=Unmarried	2373
.V=Spouse NR	379
1.All or almost all	111
2.Most of the time	179
3.Some of the time	1530
4.None or almost none	8080

RwFLONE: CESD: Felt lonely

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		8	3	2	6	15	7	14	11	14
.M=Oth missing			2	14	6		36	3		3
.R=RF		4	4	3	2	6	13	9	2	4
.S=Skip,question not asked		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No		15235	13742	15864	14280	13182	15075	14139	13479	17110
1.Yes		2830	2600	3458	3222	2926	3196	3044	2585	3521

Value	w11	w12	w13
.D=DK/NA	16	18	21
.M=Oth missing	1		1
.R=RF	8	3	5
.S=Skip,question not asked	1146	1049	941
0.No	16013	14629	16466
1.Yes	3370	3048	3478

SwFLONE: CESD: Felt lonely

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		4		1	3	9	3	4	4	4
.M=Oth missing			2	6	1		23	1		3
.R=RF		2	1	2	1	2	7	6		2
.S=Skip,question not asked		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
0.No		10935	9819	11229	10106	9281	10543	9802	9090	11363
1.Yes		1000	984	1335	1209	988	1193	1130	895	1324

Value	w11	w12	w13
.D=DK/NA	4	4	6
.M=Oth missing	1		
.R=RF	4		1
.S=Skip,question not asked	649	589	526
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	10606	9332	10107
1.Yes	1224	1087	1139

R1FSADX: CESD: Felt sad-raw

Value	|	w1
1.All or almost all	|	202
2.Most of the time	|	345
3.Some of the time	|	3752
4.None or almost none	|	8353

S1FSADX: CESD: Felt sad-raw

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.All or almost all	|	107
2.Most of the time	|	228
3.Some of the time	|	2770
4.None or almost none	|	6795

RwFSAD: CESD: Felt sad

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		14	4	4	7	15	13	21	15	16
.M=Oth missing	|			4	15	6		36	3		3
.R=RF	|		8	3	4	2	7	13	8	1	5
.S=Skip,question not asked	|		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No	|		14936	13646	15415	13733	12693	14497	13719	13155	16660
1.Yes	|		3119	2694	3903	3768	3414	3768	3458	2906	3968

Value	|	w11	w12	w13
.D=DK/NA	|	24	29	27
.M=Oth missing	|	1		1
.R=RF	|	10	5	6
.S=Skip,question not asked	|	1146	1049	941
0.No	|	15559	14281	15913
1.Yes	|	3814	3383	4024

SwFSAD: CESD: Felt sad

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		7	2	2	2	9	6	8	8	5
.M=Oth missing	|			3	7	1		23	1		3
.R=RF	|		5	1	3	1	3	8	6		1
.S=Skip,question not asked	|		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		10340	9392	10476	9311	8522	9779	9189	8573	10745
1.Yes	|		1589	1408	2085	2005	1746	1953	1739	1408	1942

Value		w11	w12	w13
.D=DK/NA	|	14	12	10
.M=Oth missing	|	1		
.R=RF	|	5	1	1
.S=Skip,question not asked	|	649	589	526
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	9989	8811	9461
1.Yes	|	1830	1599	1781

R1GOINGX: CESD: Could not get going -raw

Value		w1
1.All or almost all	|	412
2.Most of the time	|	640
3.Some of the time	|	4037
4.None or almost none	|	7563

S1GOINGX: CESD: Could not get going -raw

Value		w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.All or almost all	|	286
2.Most of the time	|	441
3.Some of the time	|	3129
4.None or almost none	|	6044

RwGOING: CESD: Could not get going

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		28	10	11	7	18	30	30	24	63
.M=Oth missing	|			1	16	7		36	3		3
.R=RF	|		5	5	4	2	8	14	9	2	10
.S=Skip,question not asked	|		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No	|		14202	13174	14796	13609	12405	14371	13463	12797	16284
1.Yes	|		3842	3161	4514	3891	3698	3876	3704	3254	4292

Value		w11	w12	w13
.D=DK/NA	|	77	66	63
.M=Oth missing	|	1		1
.R=RF	|	9	5	18
.S=Skip,question not asked	|	1146	1049	941
0.No	|	15318	14011	16004
1.Yes	|	4003	3616	3885

SwGOING: CESD: Could not get going

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		12	5	6	3	11	17	10	14	27
.M=Oth missing	|			1	8	1		23	1		3
.R=RF	|		1	2	3	1	4	9	6	1	4
.S=Skip,question not asked	|		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		9773	8988	9879	9045	8198	9566	8915	8211	10316
1.Yes	|		2155	1810	2677	2270	2067	2154	2011	1763	2346

Value		w11	w12	w13
.D=DK/NA	|	44	35	30
.M=Oth missing	|	1		
.R=RF	|	6	2	4
.S=Skip,question not asked	|	649	589	526
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	9679	8523	9371
1.Yes	|	2109	1863	1848

 RIENLIFX: CESD: Enjoyed life -raw

Value	|	w1
1.All or almost all	|	6680
2.Most of the time	|	4359
3.Some of the time	|	1307
4.None or almost none	|	306

 S1ENLIFX: CESD: Enjoyed life -raw

Value	|	w1
.U=Unmarried	|	2373
.V=Spouse NR	|	379
1.All or almost all	|	5372
2.Most of the time	|	3433
3.Some of the time	|	913
4.None or almost none	|	182

 RwENLIFE: CESD: Enjoyed life

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		39	13	12	10	21	23	21	25	22
.M=Oth missing	|			3	15	7		36	3		3
.R=RF	|		4	6	4	4	7	14	11	3	10
.S=Skip,question not asked	|		1565	1640	2043	2062	2036	1802	1260	1140	1382
0.No	|		1359	1131	1595	1386	1174	1460	1434	1390	1920
1.Yes	|		16675	15198	17715	16109	14927	16794	15740	14659	18697

Value	|	w11	w12	w13
.D=DK/NA	|	45	26	31
.M=Oth missing	|	1		1
.R=RF	|	12	3	12
.S=Skip,question not asked	|	1146	1049	941
0.No	|	1769	1688	1861
1.Yes	|	17581	15981	18066

SwENLIFE: CESD: Enjoyed life

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		15	7	5	2	8	11	10	10	5
.M=Oth missing	|			2	7	1		23	1		3
.R=RF	|		3	1	3	2	2	8	7		1
.S=Skip,question not asked	|		1149	1111	1407	1410	1359	1203	792	657	817
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		731	628	861	749	586	754	721	672	935
1.Yes	|		11192	10168	11697	10566	9684	10973	10204	9307	11752

Value		w11	w12	w13
.D=DK/NA	|	16	7	16
.M=Oth missing	|	1		
.R=RF	|	7		1
.S=Skip,question not asked	|	649	589	526
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	833	769	791
1.Yes	|	10982	9647	10445

How Constructed

RwDEPRES, RweFFORT, RwsLEEPR, RwWHAPPY, RwFLONE, RwFSAD, RwGOING, and RwENLIFE are yes/no indicators of the Respondent's feelings much of the time over the week prior to the interview. RwCESD is a summary of these measures. RwCESDM indicates how many individual measures used to derive RwCESD are missing.

SwDEPRES, SwEFFORT, SwSLEEPR, SwWHAPPY, SwFLONE, SwFSAD, SwGOING, SwENLIFE, SwCESD, and SwCESDM are this information for the Respondent's spouse or partner.

To make consistent measures across waves, yes/no dummy variables were derived. In all except Wave 1, the question has a "yes" or "no" response to whether the Respondent felt a certain way "much of the time." For Wave 1, the response could be one of four categories: "all or almost all of the time," "most of the time," "some of the time," or "none or almost none of the time." The measures in this wave are not recoded to 0/1 (no/yes), but are recoded to the 4-point scale. These measures were imputed by HRS if missing in Wave 1, and the imputations were used. Because the Wave 1 variables are very different from those in other waves, the variables are named differently, i.e., they are R1DEPREX, R1EFFORX, R1SLEEPX, R1WHAPPX, R1FLONEX, R1FSADX, R1GOINGX, and R1ENLIFX. The spouse measures are called S1DEPREX, S1EFFORX, S1SLEEPX, S1WHAPPX, S1FLONEX, S1FSADX, S1GOINGX, and S1ENLIFX.

It appears "much of the time" in later waves is somewhere between "some" and "most" of the time in Wave 1. Another variable in the HRS (but not on this file) rates overall emotional health, and is asked in Waves 1 and 2H. A possible means for making these measures more consistent between Wave 1 and the rest of the waves is to use those who gave the same emotional health in both Waves 1 and 2H, comparing their answers of "some" and "yes" by level of emotional health.

RwCESD is the sum of RwDEPRES, RweFFORT, RwsLEEPR, (1-RwWHAPPY), RwFLONE, RwFSAD, RwGOING, and (1-RwENLIFE). Thus the higher the score, the more negative the Respondent's feelings in the past week. RwCESDM counts the number of missing values among the individual measures. In Wave 1 the R1CESD summary measure is not included; R1CESDM counts the number of imputed values used among the Wave 1 measures.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3CESD is taken from the Wave 3 spouse's R3CESD.

Cross Wave Differences in Original HRS Data

In each wave questions ask about the Respondent's feelings in the past week. The wording of the questions varies slightly across waves.

In Wave 1, the questions begin:

"Please tell me how often you have experienced the following feelings during the past week-all or almost all of the time, most of the time, some of the time, or none or almost none of the time. During the past week..."

A series of statements follow and the Respondent answers with one of the four frequencies listed in the question.

From Wave 2 forward, the questions start:

"Now think about the past week and the feelings you have experienced. Please tell me if each of the following was true for you much of the time this past week. Much of the time during the past week ..."

A series of statements follow to which the Respondent can answer "yes" or "no." Note that the responses given in Wave 1 are very different and not very comparable to those given in later waves.

The statements are similar across waves. They state that the Respondent felt depressed, felt that everything s/he did was an effort, sleep was restless, could not get going, felt lonely, enjoyed life, felt sad, and was happy.

HRS Variables Used

HRS 1992:

V10519	B44A:DEPRESSION	:IND
V10520	B44B:EVERYTHING TIRI	:IND
V10521	B44C:RESTLESS SLEEP	:IND
V10522	B44D:HAPPINESS	:IND
V10523	B44E:LONLINESS	:IND
V10525	B44G:ENJOYED LIFE	:IND
V10526	B44H:SADNESS	:IND
V10528	B44K:CAN'T GET GOIN	:IND
V519	B44A:DEPRESSION	:IMP
V520	B44B:EVERYTHING TIRI	:IMP
V521	B44C:RESTLESS SLEEP	:IMP
V522	B44D:HAPPINESS	:IMP
V523	B44E:LONLINESS	:IMP
V525	B44G:ENJOYED LIFE	:IMP
V526	B44H:SADNESS	:IMP
V528	B44K:CAN T GET GOIN	:IMP

AHEAD 1993:

B307	B24. CESD DEPRESSED PAST WEEK
B309	B24a. CESD EFFORT PAST WEEK
B310	B24b. CESD SLEEP PAST WEEK
B311	B24c. CESD HAPPY PAST WEEK
B312	B24d. CESD LONELY PAST WEEK
B314	B24f. CESD ENJOY LIFE PAST WEEK
B315	B24g. CESD SAD PAST WEEK
B316	B24h. CESD NOT GET GOING PAST WEEK

HRS 1994:

W465	B46a.FELT DEPRESSED
W466	B46b.EVERYTHING AN EFFOR
W467	B46c.SLEEP RESTLESS
W468	B46d.COULD NOT GET GOING

W469	B46e.FELT LONELY
W470	B46f.ENJOY LIFE
W471	B46g.FELT SAD
W472	B46h.HAPPY
AHEAD 1995:	
D1001	B24H. CESD GOING
D985	B24. CESD DEPRESSED
D987	B24A. CESD EFFORT
D989	B24B. CESD SLEEP
D991	B24C. CESD HAPPY
D993	B24D. CESD LONELY
D995	B24E. CESD ENJOY LIFE
D999	B24G. CESD SAD
HRS 1996:	
E985	B24. CESD DEPRESSED
E986	B24A. CESD EFFORT
E987	B24B. CESD SLEEP
E988	B24C. CESD HAPPY
E989	B24D. CESD LONELY
E990	B24E. CESD ENJOY LIFE
E991	B24G. CESD SAD
E992	B24H. CESD GOING
HRS 1998:	
F1493	C5. CESD DEPRESSED
F1494	C5A. CESD EFFORT
F1495	C5B. CESD SLEEP
F1496	C5C. CESD HAPPY
F1497	C5D. CESD LONELY
F1498	C5E. CESD ENJOY LIFE
F1499	C5G. CESD SAD
F1500	CFH. CESD GOING
HRS 2000:	
G1669	C5. CESD DEPRESSED
G1670	C5A. CESD EFFORT
G1671	C5B. CESD SLEEP
G1672	C5C. CESD HAPPY
G1673	C5D. CESD LONELY
G1674	C5E. CESD ENJOY LIFE
G1675	C5G. CESD SAD
G1676	CFH. CESD GOING
HRS 2002-2016:	
xD110	FEELING DEPRESSED W/IN PREV WK
xD111	FELT ACTIVITIES WERE EFFORTS
xD112	WAS SLEEP RESTLESS W/IN PREV WK
xD113	WAS R HAPPY W/IN PREV WK
xD114	LONELINESS FELT W/IN PREV WK
xD115	ENJOYED LIFE W/IN PREV WK
xD116	FELT SAD W/IN PREV WK
xD117	FELT UNMOTIVATED W/IN PREV WK

Doctor diagnosed health problems: Raw Recodes and Question Wording

Wave	Variable	Label	Type
1	R1HIBP	R1HIBP:W1 R reports high BP this wv	Categ
2	R2HIBP	R2HIBP:W2 R reports high BP this wv	Categ
3	R3HIBP	R3HIBP:W3 R reports high BP this wv	Categ
4	R4HIBP	R4HIBP:W4 R reports high BP this wv	Categ
5	R5HIBP	R5HIBP:W5 R reports high BP this wv	Categ
6	R6HIBP	R6HIBP:W6 R reports high BP this wv	Categ
7	R7HIBP	R7HIBP:W7 R reports high BP this wv	Categ
8	R8HIBP	R8HIBP:W8 R reports high BP this wv	Categ
9	R9HIBP	R9HIBP:W9 R reports high BP this wv	Categ
10	R10HIBP	R10HIBP:W10 R reports high BP this wv	Categ
11	R11HIBP	R11HIBP:W11 R reports high BP this wv	Categ
12	R12HIBP	R12HIBP:W12 R reports high BP this wv	Categ
13	R13HIBP	R13HIBP:W13 R reports high BP this wv	Categ
1	S1HIBP	S1HIBP:W1 S reports high BP this wv	Categ
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3	S3HIBP	S3HIBP:W3 S reports high BP this wv	Categ
4	S4HIBP	S4HIBP:W4 S reports high BP this wv	Categ
5	S5HIBP	S5HIBP:W5 S reports high BP this wv	Categ
6	S6HIBP	S6HIBP:W6 S reports high BP this wv	Categ
7	S7HIBP	S7HIBP:W7 S reports high BP this wv	Categ
8	S8HIBP	S8HIBP:W8 S reports high BP this wv	Categ
9	S9HIBP	S9HIBP:W9 S reports high BP this wv	Categ
10	S10HIBP	S10HIBP:W10 S reports high BP this wv	Categ
11	S11HIBP	S11HIBP:W11 S reports high BP this wv	Categ
12	S12HIBP	S12HIBP:W12 S reports high BP this wv	Categ
13	S13HIBP	S13HIBP:W13 S reports high BP this wv	Categ
1	R1HIBPQ	R1HIBPQ:W1 Q-wording high BP this wv	Categ
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3	R3HIBPQ	R3HIBPQ:W3 Q-wording high BP this wv	Categ
4	R4HIBPQ	R4HIBPQ:W4 Q-wording high BP this wv	Categ
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10	R10HIBPQ	R10HIBPQ:W10 Q-wording high BP this wv	Categ
11	R11HIBPQ	R11HIBPQ:W11 Q-wording high BP this wv	Categ
12	R12HIBPQ	R12HIBPQ:W12 Q-wording high BP this wv	Categ
13	R13HIBPQ	R13HIBPQ:W13 Q-wording high BP this wv	Categ
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10	S10HIBPQ	S10HIBPQ:W10 Q-wording high BP this wv	Categ
11	S11HIBPQ	S11HIBPQ:W11 Q-wording high BP this wv	Categ
12	S12HIBPQ	S12HIBPQ:W12 Q-wording high BP this wv	Categ
13	S13HIBPQ	S13HIBPQ:W13 Q-wording high BP this wv	Categ
1	R1DIAB	R1DIAB:W1 R reports diabetes this wv	Categ
2	R2DIAB	R2DIAB:W2 R reports diabetes this wv	Categ
3	R3DIAB	R3DIAB:W3 R reports diabetes this wv	Categ
4	R4DIAB	R4DIAB:W4 R reports diabetes this wv	Categ
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9	R9DIAB	R9DIAB:W9 R reports diabetes this wv	Categ
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9	S9DIABQ	S9DIABQ:W9 Q-wording diabetes this wv	Categ
10	S10DIABQ	S10DIABQ:W10 Q-wording diabetes this wv	Categ
11	S11DIABQ	S11DIABQ:W11 Q-wording diabetes this wv	Categ
12	S12DIABQ	S12DIABQ:W12 Q-wording diabetes this wv	Categ
13	S13DIABQ	S13DIABQ:W13 Q-wording diabetes this wv	Categ
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12	S12CANCERQ	S12CANCERQ:W12 Q-wording cancer this wv	Categ
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1	R1LUNG	R1LUNG:W1 R reports lung disease this wv	Categ
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13	R13LUNG	R13LUNG:W13 R reports lung disease this wv	Categ
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11	S11LUNG	S11LUNG:W11 S reports lung disease this wv	Categ
12	S12LUNG	S12LUNG:W12 S reports lung disease this wv	Categ
13	S13LUNG	S13LUNG:W13 S reports lung disease this wv	Categ
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7	R7LUNGQ	R7LUNGQ:W7 Q-wording lung disease this wv	Categ
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10	R10LUNGQ	R10LUNGQ:W10 Q-wording lung disease this wv	Categ
11	R11LUNGQ	R11LUNGQ:W11 Q-wording lung disease this wv	Categ
12	R12LUNGQ	R12LUNGQ:W12 Q-wording lung disease this wv	Categ
13	R13LUNGQ	R13LUNGQ:W13 Q-wording lung disease this wv	Categ

1	S1LUNGQ	S1LUNGQ:W1 Q-wording lung disease this wv	Categ
2	S2LUNGQ	S2LUNGQ:W2 Q-wording lung disease this wv	Categ
3	S3LUNGQ	S3LUNGQ:W3 Q-wording lung disease this wv	Categ
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9	S9LUNGQ	S9LUNGQ:W9 Q-wording lung disease this wv	Categ
10	S10LUNGQ	S10LUNGQ:W10 Q-wording lung disease this wv	Categ
11	S11LUNGQ	S11LUNGQ:W11 Q-wording lung disease this wv	Categ
12	S12LUNGQ	S12LUNGQ:W12 Q-wording lung disease this wv	Categ
13	S13LUNGQ	S13LUNGQ:W13 Q-wording lung disease this wv	Categ
1	R1HEART	R1HEART:W1 R reports heart prob this wv	Categ
2	R2HEART	R2HEART:W2 R reports heart prob this wv	Categ
3	R3HEART	R3HEART:W3 R reports heart prob this wv	Categ
4	R4HEART	R4HEART:W4 R reports heart prob this wv	Categ
5	R5HEART	R5HEART:W5 R reports heart prob this wv	Categ
6	R6HEART	R6HEART:W6 R reports heart prob this wv	Categ
7	R7HEART	R7HEART:W7 R reports heart prob this wv	Categ
8	R8HEART	R8HEART:W8 R reports heart prob this wv	Categ
9	R9HEART	R9HEART:W9 R reports heart prob this wv	Categ
10	R10HEART	R10HEART:W10 R reports heart prob this wv	Categ
11	R11HEART	R11HEART:W11 R reports heart prob this wv	Categ
12	R12HEART	R12HEART:W12 R reports heart prob this wv	Categ
13	R13HEART	R13HEART:W13 R reports heart prob this wv	Categ
1	S1HEART	S1HEART:W1 S reports heart prob this wv	Categ
2	S2HEART	S2HEART:W2 S reports heart prob this wv	Categ
3	S3HEART	S3HEART:W3 S reports heart prob this wv	Categ
4	S4HEART	S4HEART:W4 S reports heart prob this wv	Categ
5	S5HEART	S5HEART:W5 S reports heart prob this wv	Categ
6	S6HEART	S6HEART:W6 S reports heart prob this wv	Categ
7	S7HEART	S7HEART:W7 S reports heart prob this wv	Categ
8	S8HEART	S8HEART:W8 S reports heart prob this wv	Categ
9	S9HEART	S9HEART:W9 S reports heart prob this wv	Categ
10	S10HEART	S10HEART:W10 S reports heart prob this wv	Categ
11	S11HEART	S11HEART:W11 S reports heart prob this wv	Categ
12	S12HEART	S12HEART:W12 S reports heart prob this wv	Categ
13	S13HEART	S13HEART:W13 S reports heart prob this wv	Categ
1	R1HEARTQ	R1HEARTQ:W1 Q-wording heart prob this wv	Categ
2	R2HEARTQ	R2HEARTQ:W2 Q-wording heart prob this wv	Categ
3	R3HEARTQ	R3HEARTQ:W3 Q-wording heart prob this wv	Categ
4	R4HEARTQ	R4HEARTQ:W4 Q-wording heart prob this wv	Categ
5	R5HEARTQ	R5HEARTQ:W5 Q-wording heart prob this wv	Categ
6	R6HEARTQ	R6HEARTQ:W6 Q-wording heart prob this wv	Categ
7	R7HEARTQ	R7HEARTQ:W7 Q-wording heart prob this wv	Categ
8	R8HEARTQ	R8HEARTQ:W8 Q-wording heart prob this wv	Categ
9	R9HEARTQ	R9HEARTQ:W9 Q-wording heart prob this wv	Categ
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11	R11HEARTQ	R11HEARTQ:W11 Q-wording heart prob this wv	Categ
12	R12HEARTQ	R12HEARTQ:W12 Q-wording heart prob this wv	Categ
13	R13HEARTQ	R13HEARTQ:W13 Q-wording heart prob this wv	Categ
1	S1HEARTQ	S1HEARTQ:W1 Q-wording heart prob this wv	Categ
2	S2HEARTQ	S2HEARTQ:W2 Q-wording heart prob this wv	Categ
3	S3HEARTQ	S3HEARTQ:W3 Q-wording heart prob this wv	Categ
4	S4HEARTQ	S4HEARTQ:W4 Q-wording heart prob this wv	Categ
5	S5HEARTQ	S5HEARTQ:W5 Q-wording heart prob this wv	Categ
6	S6HEARTQ	S6HEARTQ:W6 Q-wording heart prob this wv	Categ
7	S7HEARTQ	S7HEARTQ:W7 Q-wording heart prob this wv	Categ
8	S8HEARTQ	S8HEARTQ:W8 Q-wording heart prob this wv	Categ
9	S9HEARTQ	S9HEARTQ:W9 Q-wording heart prob this wv	Categ
10	S10HEARTQ	S10HEARTQ:W10 Q-wording heart prob this wv	Categ
11	S11HEARTQ	S11HEARTQ:W11 Q-wording heart prob this wv	Categ
12	S12HEARTQ	S12HEARTQ:W12 Q-wording heart prob this wv	Categ
13	S13HEARTQ	S13HEARTQ:W13 Q-wording heart prob this wv	Categ
1	R1STROK	R1STROK:W1 R reports stroke this wv	Categ
2	R2STROK	R2STROK:W2 R reports stroke this wv	Categ

3	R3STROK	R3STROK:W3 R reports stroke this wv	Categ
4	R4STROK	R4STROK:W4 R reports stroke this wv	Categ
5	R5STROK	R5STROK:W5 R reports stroke this wv	Categ
6	R6STROK	R6STROK:W6 R reports stroke this wv	Categ
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13	S13STROK	S13STROK:W13 S reports stroke this wv	Categ
1	R1STROKQ	R1STROKQ:W1 Q-wording stroke this wv	Categ
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12	S12STROKQ	S12STROKQ:W12 Q-wording stroke this wv	Categ
13	S13STROKQ	S13STROKQ:W13 Q-wording stroke this wv	Categ
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8	R8PSYCHQ	R8PSYCHQ:W8 Q-wording psych prob this wv	Categ
9	R9PSYCHQ	R9PSYCHQ:W9 Q-wording psych prob this wv	Categ
10	R10PSYCHQ	R10PSYCHQ:W10 Q-wording psych prob this wv	Categ
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13	R13PSYCHQ	R13PSYCHQ:W13 Q-wording psych prob this wv	Categ
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10	S10PSYCHQ	S10PSYCHQ:W10 Q-wording psych prob this wv	Categ
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13	S13PSYCHQ	S13PSYCHQ:W13 Q-wording psych prob this wv	Categ
1	R1ARTHR	R1ARTHR:W1 R reports arthritis this wv	Categ
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1	R1ARTHRQ	R1ARTHRQ:W1 Q-wording arthritis this wv	Categ
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4	R4ARTHRQ	R4ARTHRQ:W4 Q-wording arthritis this wv	Categ
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6	R6ARTHRQ	R6ARTHRQ:W6 Q-wording arthritis this wv	Categ

7	R7ARTHRQ	R7ARTHRQ:W7 Q-wording arthritis this wv	Categ
8	R8ARTHRQ	R8ARTHRQ:W8 Q-wording arthritis this wv	Categ
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10	R10ARTHRQ	R10ARTHRQ:W10 Q-wording arthritis this wv	Categ
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11	S11ARTHRQ	S11ARTHRQ:W11 Q-wording arthritis this wv	Categ
12	S12ARTHRQ	S12ARTHRQ:W12 Q-wording arthritis this wv	Categ
13	S13ARTHRQ	S13ARTHRQ:W13 Q-wording arthritis this wv	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIBP	12652	0.38	0.49	0.0	1.0
R2HIBP	15364	0.30	0.46	0.0	1.0
R3HIBP	17981	0.60	0.90	0.0	5.0
R4HIBP	21369	0.54	0.74	0.0	5.0
R5HIBP	19565	0.55	0.65	0.0	4.0
R6HIBP	18147	0.58	0.62	0.0	4.0
R7HIBP	20100	0.58	0.62	0.0	4.0
R8HIBP	18437	0.62	0.62	0.0	4.0
R9HIBP	17191	0.65	0.61	0.0	4.0
R10HIBP	21987	0.62	0.59	0.0	4.0
R11HIBP	20515	0.66	0.62	0.0	4.0
R12HIBP	18716	0.67	0.59	0.0	4.0
R13HIBP	20864	0.64	0.62	0.0	4.0
S1HIBP	9900	0.37	0.48	0.0	1.0
S2HIBP	9964	0.25	0.43	0.0	1.0
S3HIBP	11911	0.57	0.89	0.0	5.0
S4HIBP	13972	0.50	0.71	0.0	5.0
S5HIBP	12726	0.52	0.64	0.0	4.0
S6HIBP	11633	0.55	0.62	0.0	4.0
S7HIBP	12964	0.54	0.61	0.0	4.0
S8HIBP	11726	0.58	0.61	0.0	4.0
S9HIBP	10635	0.61	0.60	0.0	4.0
S10HIBP	13497	0.58	0.58	0.0	4.0
S11HIBP	12469	0.62	0.62	0.0	4.0
S12HIBP	10999	0.63	0.60	0.0	4.0
S13HIBP	11759	0.61	0.62	0.0	4.0
R1HIBPQ	12652	1.00	0.00	1.0	1.0
R2HIBPQ	19642	2.10	1.45	1.0	15.0
R3HIBPQ	17991	2.43	0.58	1.0	16.0
R4HIBPQ	21384	2.11	0.80	1.0	16.0
R5HIBPQ	19578	2.44	0.55	1.0	15.0
R6HIBPQ	18165	2.62	0.80	1.0	12.0

R7HIBPQ	20129	2.38	0.94	1.0	13.0
R8HIBPQ	18469	2.65	0.78	1.0	12.0
R9HIBPQ	17217	2.66	0.72	1.0	5.0
R10HIBPQ	22034	2.23	1.02	1.0	11.0
R11HIBPQ	20554	2.73	1.13	1.0	16.0
R12HIBPQ	18747	2.69	0.86	1.0	16.0
R13HIBPQ	20912	2.35	1.04	1.0	16.0
S1HIBPQ	9900	1.00	0.00	1.0	1.0
S2HIBPQ	13090	2.25	1.47	1.0	15.0
S3HIBPQ	11917	2.39	0.53	1.0	11.0
S4HIBPQ	13980	2.07	0.82	1.0	16.0
S5HIBPQ	12730	2.40	0.57	1.0	15.0
S6HIBPQ	11639	2.58	0.81	1.0	12.0
S7HIBPQ	12972	2.33	0.95	1.0	13.0
S8HIBPQ	11735	2.62	0.81	1.0	12.0
S9HIBPQ	10646	2.62	0.73	1.0	5.0
S10HIBPQ	13513	2.18	1.01	1.0	11.0
S11HIBPQ	12488	2.70	1.18	1.0	16.0
S12HIBPQ	11012	2.64	0.84	1.0	15.0
S13HIBPQ	11779	2.32	1.02	1.0	16.0
R1DIAB	12652	0.11	0.31	0.0	1.0
R2DIAB	18428	0.07	0.26	0.0	1.0
R3DIAB	17979	0.18	0.58	0.0	5.0
R4DIAB	21372	0.17	0.49	0.0	5.0
R5DIAB	19570	0.18	0.46	0.0	4.0
R6DIAB	18157	0.19	0.45	0.0	4.0
R7DIAB	20108	0.20	0.47	0.0	4.0
R8DIAB	18449	0.22	0.49	0.0	4.0
R9DIAB	17199	0.24	0.51	0.0	4.0
R10DIAB	22013	0.25	0.50	0.0	4.0
R11DIAB	20536	0.28	0.56	0.0	4.0
R12DIAB	18732	0.28	0.54	0.0	4.0
R13DIAB	20886	0.29	0.54	0.0	4.0
S1DIAB	9900	0.10	0.30	0.0	1.0
S2DIAB	12230	0.06	0.24	0.0	1.0
S3DIAB	11911	0.18	0.58	0.0	5.0
S4DIAB	13977	0.16	0.48	0.0	5.0
S5DIAB	12726	0.17	0.45	0.0	4.0
S6DIAB	11635	0.18	0.44	0.0	4.0
S7DIAB	12965	0.19	0.46	0.0	4.0
S8DIAB	11728	0.21	0.49	0.0	4.0
S9DIAB	10638	0.23	0.49	0.0	4.0
S10DIAB	13508	0.24	0.48	0.0	4.0
S11DIAB	12479	0.27	0.55	0.0	4.0
S12DIAB	11010	0.27	0.52	0.0	4.0
S13DIAB	11767	0.27	0.52	0.0	4.0
R1DIABQ	12652	1.00	0.00	1.0	1.0
R2DIABQ	19642	1.77	1.10	1.0	15.0
R3DIABQ	17991	2.11	0.38	1.0	16.0
R4DIABQ	21384	1.87	0.62	1.0	16.0
R5DIABQ	19578	2.12	0.40	1.0	11.0
R6DIABQ	18165	2.30	0.79	1.0	12.0
R7DIABQ	20129	2.10	0.86	1.0	12.0
R8DIABQ	18469	2.32	0.77	1.0	12.0
R9DIABQ	17217	2.32	0.72	1.0	5.0

R10DIABQ	22034	1.97	0.91	1.0	11.0
R11DIABQ	20554	2.44	1.38	1.0	15.0
R12DIABQ	18747	2.39	1.20	1.0	16.0
R13DIABQ	20912	2.11	1.24	1.0	16.0
S1DIABQ	9900	1.00	0.00	1.0	1.0
S2DIABQ	13090	1.89	1.17	1.0	15.0
S3DIABQ	11917	2.10	0.36	1.0	11.0
S4DIABQ	13980	1.85	0.62	1.0	16.0
S5DIABQ	12730	2.11	0.40	1.0	11.0
S6DIABQ	11639	2.28	0.79	1.0	12.0
S7DIABQ	12972	2.07	0.87	1.0	12.0
S8DIABQ	11735	2.31	0.80	1.0	12.0
S9DIABQ	10646	2.29	0.71	1.0	5.0
S10DIABQ	13513	1.94	0.91	1.0	11.0
S11DIABQ	12488	2.44	1.45	1.0	15.0
S12DIABQ	11012	2.38	1.24	1.0	16.0
S13DIABQ	11779	2.11	1.26	1.0	16.0
R1CANCER	12652	0.06	0.23	0.0	1.0
R2CANCER	19050	0.07	0.25	0.0	1.0
R3CANCER	17978	0.13	0.46	0.0	5.0
R4CANCER	21373	0.12	0.41	0.0	5.0
R5CANCER	19563	0.13	0.40	0.0	4.0
R6CANCER	18158	0.15	0.39	0.0	4.0
R7CANCER	20113	0.14	0.40	0.0	4.0
R8CANCER	18452	0.16	0.41	0.0	4.0
R9CANCER	17205	0.17	0.43	0.0	4.0
R10CANCER	22014	0.15	0.39	0.0	4.0
R11CANCER	20538	0.16	0.42	0.0	4.0
R12CANCER	18730	0.17	0.42	0.0	4.0
R13CANCER	20894	0.15	0.39	0.0	4.0
S1CANCER	9900	0.05	0.23	0.0	1.0
S2CANCER	12660	0.06	0.23	0.0	1.0
S3CANCER	11907	0.12	0.45	0.0	5.0
S4CANCER	13976	0.11	0.37	0.0	5.0
S5CANCER	12725	0.13	0.39	0.0	4.0
S6CANCER	11633	0.14	0.38	0.0	4.0
S7CANCER	12964	0.13	0.38	0.0	4.0
S8CANCER	11728	0.14	0.38	0.0	4.0
S9CANCER	10639	0.16	0.42	0.0	4.0
S10CANCER	13502	0.14	0.37	0.0	4.0
S11CANCER	12479	0.15	0.40	0.0	4.0
S12CANCER	11004	0.16	0.41	0.0	4.0
S13CANCER	11774	0.14	0.38	0.0	4.0
R1CANCERQ	12652	1.00	0.00	1.0	1.0
R2CANCERQ	19642	1.71	1.01	1.0	15.0
R3CANCERQ	17991	2.08	0.46	1.0	16.0
R4CANCERQ	21384	1.84	0.58	1.0	16.0
R5CANCERQ	19578	2.09	0.36	1.0	11.0
R6CANCERQ	18165	2.27	0.78	1.0	12.0
R7CANCERQ	20129	2.07	0.85	1.0	16.0
R8CANCERQ	18469	2.28	0.76	1.0	12.0
R9CANCERQ	17217	2.26	0.72	1.0	16.0
R10CANCERQ	22034	1.93	0.88	1.0	11.0
R11CANCERQ	20554	2.30	1.10	1.0	16.0
R12CANCERQ	18747	2.24	0.72	1.0	16.0

R13CANCRO	20912	1.98	0.79	1.0	15.0
S1CANCRO	9900	1.00	0.00	1.0	1.0
S2CANCRO	13090	1.83	1.11	1.0	15.0
S3CANCRO	11917	2.06	0.43	1.0	16.0
S4CANCRO	13980	1.82	0.58	1.0	16.0
S5CANCRO	12730	2.08	0.37	1.0	11.0
S6CANCRO	11639	2.25	0.78	1.0	12.0
S7CANCRO	12972	2.04	0.86	1.0	16.0
S8CANCRO	11735	2.27	0.78	1.0	12.0
S9CANCRO	10646	2.25	0.72	1.0	16.0
S10CANCRO	13513	1.90	0.88	1.0	11.0
S11CANCRO	12488	2.30	1.16	1.0	16.0
S12CANCRO	11012	2.22	0.73	1.0	15.0
S13CANCRO	11779	1.97	0.78	1.0	15.0
R1LUNG	12652	0.08	0.27	0.0	1.0
R2LUNG	18754	0.06	0.24	0.0	1.0
R3LUNG	17984	0.17	0.66	0.0	5.0
R4LUNG	21377	0.14	0.56	0.0	5.0
R5LUNG	19565	0.13	0.48	0.0	4.0
R6LUNG	18155	0.12	0.40	0.0	4.0
R7LUNG	20116	0.12	0.43	0.0	4.0
R8LUNG	18448	0.13	0.44	0.0	4.0
R9LUNG	17206	0.13	0.44	0.0	4.0
R10LUNG	22017	0.12	0.39	0.0	4.0
R11LUNG	20544	0.13	0.44	0.0	4.0
R12LUNG	18729	0.13	0.42	0.0	4.0
R13LUNG	20887	0.12	0.42	0.0	4.0
S1LUNG	9900	0.08	0.26	0.0	1.0
S2LUNG	12470	0.05	0.22	0.0	1.0
S3LUNG	11913	0.16	0.63	0.0	5.0
S4LUNG	13978	0.13	0.54	0.0	5.0
S5LUNG	12723	0.11	0.45	0.0	4.0
S6LUNG	11633	0.10	0.37	0.0	4.0
S7LUNG	12969	0.11	0.42	0.0	4.0
S8LUNG	11727	0.11	0.41	0.0	4.0
S9LUNG	10639	0.11	0.40	0.0	4.0
S10LUNG	13507	0.10	0.36	0.0	4.0
S11LUNG	12484	0.11	0.39	0.0	4.0
S12LUNG	11007	0.11	0.39	0.0	4.0
S13LUNG	11769	0.10	0.38	0.0	4.0
R1LUNGQ	12652	1.00	0.00	1.0	1.0
R2LUNGQ	19642	1.73	1.03	1.0	15.0
R3LUNGQ	17991	2.08	0.36	1.0	15.0
R4LUNGQ	21384	1.84	0.68	1.0	16.0
R5LUNGQ	19578	2.07	0.34	1.0	11.0
R6LUNGQ	18165	2.25	0.78	1.0	15.0
R7LUNGQ	20129	2.04	0.83	1.0	13.0
R8LUNGQ	18469	2.24	0.75	1.0	12.0
R9LUNGQ	17217	2.22	0.69	1.0	5.0
R10LUNGQ	22034	1.90	0.86	1.0	11.0
R11LUNGQ	20554	2.28	1.15	1.0	16.0
R12LUNGQ	18747	2.21	0.84	1.0	16.0
R13LUNGQ	20912	1.95	0.86	1.0	16.0
S1LUNGQ	9900	1.00	0.00	1.0	1.0

S2LUNGQ	13090	1.85	1.12	1.0	15.0
S3LUNGQ	11917	2.07	0.33	1.0	11.0
S4LUNGQ	13980	1.83	0.68	1.0	16.0
S5LUNGQ	12730	2.06	0.35	1.0	11.0
S6LUNGQ	11639	2.22	0.78	1.0	15.0
S7LUNGQ	12972	2.01	0.83	1.0	13.0
S8LUNGQ	11735	2.23	0.77	1.0	12.0
S9LUNGQ	10646	2.20	0.67	1.0	5.0
S10LUNGQ	13513	1.87	0.86	1.0	11.0
S11LUNGQ	12488	2.27	1.19	1.0	16.0
S12LUNGQ	11012	2.19	0.85	1.0	16.0
S13LUNGQ	11779	1.93	0.81	1.0	16.0
R1HEART	12652	0.13	0.34	0.0	1.0
R2HEART	19632	0.16	0.37	0.0	1.0
R3HEART	17986	0.30	0.71	0.0	5.0
R4HEART	21371	0.39	1.06	0.0	6.0
R5HEART	19570	0.26	0.54	0.0	4.0
R6HEART	18153	0.28	0.53	0.0	4.0
R7HEART	20108	0.27	0.53	0.0	4.0
R8HEART	18449	0.29	0.57	0.0	4.0
R9HEART	17199	0.31	0.58	0.0	4.0
R10HEART	22013	0.26	0.52	0.0	4.0
R11HEART	20535	0.27	0.55	0.0	4.0
R12HEART	18723	0.28	0.54	0.0	4.0
R13HEART	20887	0.26	0.54	0.0	4.0
S1HEART	9900	0.13	0.34	0.0	1.0
S2HEART	13086	0.14	0.34	0.0	1.0
S3HEART	11915	0.27	0.68	0.0	5.0
S4HEART	13975	0.33	0.95	0.0	6.0
S5HEART	12727	0.24	0.52	0.0	4.0
S6HEART	11633	0.25	0.50	0.0	4.0
S7HEART	12965	0.24	0.51	0.0	4.0
S8HEART	11731	0.27	0.54	0.0	4.0
S9HEART	10636	0.28	0.55	0.0	4.0
S10HEART	13503	0.24	0.50	0.0	4.0
S11HEART	12479	0.25	0.51	0.0	4.0
S12HEART	11002	0.26	0.52	0.0	4.0
S13HEART	11772	0.23	0.51	0.0	4.0
R1HEARTQ	12652	1.00	0.00	1.0	1.0
R2HEARTQ	19642	1.99	1.76	1.0	19.0
R3HEARTQ	17991	2.19	0.48	1.0	16.0
R4HEARTQ	21384	2.45	2.75	1.0	16.0
R5HEARTQ	19578	2.18	0.46	1.0	15.0
R6HEARTQ	18165	2.52	1.65	1.0	16.0
R7HEARTQ	20129	2.15	0.89	1.0	16.0
R8HEARTQ	18469	2.37	0.78	1.0	12.0
R9HEARTQ	17217	2.36	0.74	1.0	16.0
R10HEARTQ	22034	1.99	0.92	1.0	11.0
R11HEARTQ	20554	2.41	1.24	1.0	15.0
R12HEARTQ	18747	2.34	0.90	1.0	15.0
R13HEARTQ	20912	2.07	1.04	1.0	16.0
S1HEARTQ	9900	1.00	0.00	1.0	1.0
S2HEARTQ	13090	2.14	1.85	1.0	19.0
S3HEARTQ	11917	2.17	0.45	1.0	15.0
S4HEARTQ	13980	2.28	2.38	1.0	16.0

S5HEARTQ	12730	2.16	0.48	1.0	15.0
S6HEARTQ	11639	2.44	1.43	1.0	16.0
S7HEARTQ	12972	2.11	0.89	1.0	13.0
S8HEARTQ	11735	2.35	0.81	1.0	12.0
S9HEARTQ	10646	2.33	0.72	1.0	5.0
S10HEARTQ	13513	1.96	0.92	1.0	11.0
S11HEARTQ	12488	2.40	1.28	1.0	15.0
S12HEARTQ	11012	2.31	0.87	1.0	15.0
S13HEARTQ	11779	2.05	0.98	1.0	15.0
R1STROK	12652	0.03	0.17	0.0	1.0
R2STROK	19315	0.06	0.26	0.0	2.0
R3STROK	17983	0.09	0.42	0.0	5.0
R4STROK	21376	0.09	0.39	0.0	5.0
R5STROK	19571	0.09	0.34	0.0	4.0
R6STROK	18155	0.09	0.33	0.0	4.0
R7STROK	20122	0.09	0.33	0.0	4.0
R8STROK	18454	0.09	0.35	0.0	4.0
R9STROK	17203	0.10	0.35	0.0	4.0
R10STROK	22020	0.09	0.33	0.0	4.0
R11STROK	20543	0.09	0.35	0.0	4.0
R12STROK	18727	0.10	0.35	0.0	4.0
R13STROK	20898	0.09	0.34	0.0	4.0
S1STROK	9900	0.03	0.17	0.0	1.0
S2STROK	12847	0.04	0.23	0.0	2.0
S3STROK	11913	0.08	0.38	0.0	5.0
S4STROK	13977	0.08	0.35	0.0	5.0
S5STROK	12727	0.07	0.31	0.0	4.0
S6STROK	11635	0.07	0.31	0.0	4.0
S7STROK	12970	0.07	0.29	0.0	4.0
S8STROK	11729	0.08	0.31	0.0	4.0
S9STROK	10640	0.08	0.30	0.0	4.0
S10STROK	13506	0.07	0.28	0.0	4.0
S11STROK	12483	0.08	0.32	0.0	4.0
S12STROK	11005	0.08	0.32	0.0	4.0
S13STROK	11774	0.08	0.32	0.0	4.0
R1STROKQ	12652	1.00	0.00	1.0	1.0
R2STROKQ	19642	1.68	0.98	1.0	15.0
R3STROKQ	17991	2.12	1.08	1.0	16.0
R4STROKQ	21384	1.84	0.82	1.0	15.0
R5STROKQ	19578	2.13	1.10	1.0	15.0
R6STROKQ	18165	2.28	1.16	1.0	15.0
R7STROKQ	20129	2.08	1.22	1.0	15.0
R8STROKQ	18469	2.28	1.18	1.0	15.0
R9STROKQ	17217	2.26	1.13	1.0	15.0
R10STROKQ	22034	1.92	1.18	1.0	15.0
R11STROKQ	20554	2.29	1.34	1.0	16.0
R12STROKQ	18747	2.21	1.03	1.0	15.0
R13STROKQ	20912	1.96	1.08	1.0	16.0
S1STROKQ	9900	1.00	0.00	1.0	1.0
S2STROKQ	13090	1.79	1.04	1.0	12.0
S3STROKQ	11917	2.08	0.93	1.0	15.0
S4STROKQ	13980	1.81	0.71	1.0	15.0
S5STROKQ	12730	2.10	1.00	1.0	15.0
S6STROKQ	11639	2.25	1.10	1.0	15.0
S7STROKQ	12972	2.04	1.18	1.0	15.0

S8STROKQ	11735	2.26	1.14	1.0	15.0
S9STROKQ	10646	2.22	1.08	1.0	15.0
S10STROKQ	13513	1.88	1.11	1.0	15.0
S11STROKQ	12488	2.27	1.35	1.0	16.0
S12STROKQ	11012	2.19	1.02	1.0	15.0
S13STROKQ	11779	1.95	1.05	1.0	16.0
R1PSYCH	12652	0.11	0.31	0.0	1.0
R2PSYCH	18442	0.07	0.26	0.0	1.0
R3PSYCH	17978	0.25	0.81	0.0	5.0
R4PSYCH	21371	0.21	0.66	0.0	5.0
R5PSYCH	19569	0.21	0.58	0.0	4.0
R6PSYCH	18155	0.20	0.52	0.0	4.0
R7PSYCH	20098	0.21	0.56	0.0	4.0
R8PSYCH	18447	0.22	0.55	0.0	4.0
R9PSYCH	17199	0.22	0.55	0.0	4.0
R10PSYCH	21998	0.21	0.51	0.0	4.0
R11PSYCH	20523	0.23	0.54	0.0	4.0
R12PSYCH	18717	0.23	0.53	0.0	4.0
R13PSYCH	20886	0.23	0.52	0.0	4.0
S1PSYCH	9900	0.09	0.29	0.0	1.0
S2PSYCH	12322	0.06	0.24	0.0	1.0
S3PSYCH	11913	0.23	0.78	0.0	5.0
S4PSYCH	13972	0.18	0.62	0.0	5.0
S5PSYCH	12727	0.18	0.55	0.0	4.0
S6PSYCH	11635	0.17	0.49	0.0	4.0
S7PSYCH	12953	0.18	0.52	0.0	4.0
S8PSYCH	11725	0.19	0.51	0.0	4.0
S9PSYCH	10637	0.19	0.52	0.0	4.0
S10PSYCH	13502	0.18	0.46	0.0	4.0
S11PSYCH	12474	0.19	0.49	0.0	4.0
S12PSYCH	11000	0.19	0.49	0.0	4.0
S13PSYCH	11773	0.19	0.49	0.0	4.0
R1PSYCHQ	12652	1.00	0.00	1.0	1.0
R2PSYCHQ	19642	1.77	1.11	1.0	15.0
R3PSYCHQ	17991	2.12	0.55	1.0	16.0
R4PSYCHQ	21384	1.87	0.66	1.0	16.0
R5PSYCHQ	19578	2.13	0.44	1.0	16.0
R6PSYCHQ	18165	2.30	0.79	1.0	16.0
R7PSYCHQ	20129	2.09	0.86	1.0	13.0
R8PSYCHQ	18469	2.31	0.77	1.0	12.0
R9PSYCHQ	17217	2.29	0.71	1.0	5.0
R10PSYCHQ	22034	1.95	0.90	1.0	11.0
R11PSYCHQ	20554	2.35	1.12	1.0	16.0
R12PSYCHQ	18747	2.29	0.80	1.0	15.0
R13PSYCHQ	20912	2.03	0.91	1.0	16.0
S1PSYCHQ	9900	1.00	0.00	1.0	1.0
S2PSYCHQ	13090	1.88	1.16	1.0	15.0
S3PSYCHQ	11917	2.11	0.53	1.0	16.0
S4PSYCHQ	13980	1.85	0.66	1.0	16.0
S5PSYCHQ	12730	2.10	0.40	1.0	11.0
S6PSYCHQ	11639	2.27	0.78	1.0	12.0
S7PSYCHQ	12972	2.05	0.86	1.0	13.0
S8PSYCHQ	11735	2.28	0.79	1.0	12.0
S9PSYCHQ	10646	2.26	0.70	1.0	5.0
S10PSYCHQ	13513	1.91	0.88	1.0	11.0

S11PSYCHQ	12488	2.33	1.17	1.0	16.0
S12PSYCHQ	11012	2.25	0.74	1.0	15.0
S13PSYCHQ	11779	2.00	0.88	1.0	16.0
R1ARTHR	12652	0.38	0.48	0.0	1.0
R2ARTHR	15390	0.20	0.40	0.0	1.0
R3ARTHR	17982	0.61	0.82	0.0	5.0
R4ARTHR	21362	0.60	0.74	0.0	5.0
R5ARTHR	19563	0.64	0.66	0.0	4.0
R6ARTHR	18139	0.65	0.63	0.0	4.0
R7ARTHR	20104	0.63	0.63	0.0	4.0
R8ARTHR	18450	0.65	0.62	0.0	4.0
R9ARTHR	17190	0.69	0.65	0.0	4.0
R10ARTHR	21992	0.59	0.60	0.0	4.0
R11ARTHR	20527	0.62	0.63	0.0	4.0
R12ARTHR	18712	0.64	0.61	0.0	4.0
R13ARTHR	20877	0.59	0.61	0.0	4.0
S1ARTHR	9900	0.36	0.48	0.0	1.0
S2ARTHR	10009	0.17	0.37	0.0	1.0
S3ARTHR	11910	0.59	0.84	0.0	5.0
S4ARTHR	13970	0.57	0.74	0.0	5.0
S5ARTHR	12722	0.60	0.66	0.0	4.0
S6ARTHR	11626	0.62	0.63	0.0	4.0
S7ARTHR	12959	0.59	0.63	0.0	4.0
S8ARTHR	11730	0.61	0.61	0.0	4.0
S9ARTHR	10632	0.65	0.66	0.0	4.0
S10ARTHR	13497	0.55	0.60	0.0	4.0
S11ARTHR	12477	0.58	0.63	0.0	4.0
S12ARTHR	11001	0.59	0.60	0.0	4.0
S13ARTHR	11769	0.54	0.60	0.0	4.0
R1ARTHRQ	12652	1.00	0.00	1.0	1.0
R2ARTHRQ	19642	2.09	1.43	1.0	15.0
R3ARTHRQ	17991	2.36	0.54	1.0	15.0
R4ARTHRQ	21384	2.15	0.81	1.0	16.0
R5ARTHRQ	19578	2.51	0.55	1.0	11.0
R6ARTHRQ	18165	2.69	0.81	1.0	15.0
R7ARTHRQ	20129	2.44	0.95	1.0	13.0
R8ARTHRQ	18469	2.69	0.77	1.0	12.0
R9ARTHRQ	17217	2.70	0.72	1.0	5.0
R10ARTHRQ	22034	2.24	1.02	1.0	11.0
R11ARTHRQ	20554	2.70	1.12	1.0	16.0
R12ARTHRQ	18747	2.64	0.76	1.0	16.0
R13ARTHRQ	20912	2.32	1.03	1.0	16.0
S1ARTHRQ	9900	1.00	0.00	1.0	1.0
S2ARTHRQ	13090	2.24	1.47	1.0	15.0
S3ARTHRQ	11917	2.34	0.52	1.0	11.0
S4ARTHRQ	13980	2.11	0.82	1.0	16.0
S5ARTHRQ	12730	2.46	0.56	1.0	11.0
S6ARTHRQ	11639	2.64	0.82	1.0	15.0
S7ARTHRQ	12972	2.38	0.96	1.0	13.0
S8ARTHRQ	11735	2.66	0.80	1.0	12.0
S9ARTHRQ	10646	2.65	0.72	1.0	5.0
S10ARTHRQ	13513	2.19	1.02	1.0	11.0
S11ARTHRQ	12488	2.67	1.20	1.0	16.0
S12ARTHRQ	11012	2.60	0.77	1.0	16.0
S13ARTHRQ	11779	2.28	0.98	1.0	16.0

Categorical Variable Codes

RwHIBP: R reports high BP this wv										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		11	7	15	11	17	26	30	22	45
.M=Oth missing			2					1		
.P=Preload yes,but no prv w		1								
.R=RF		1	1		2	1	3	1	4	2
.Y=Via preload+yes prev wv		4265								
0.No	7784	10699	9172	11096	9604	8318	9198	7681	6583	8922
1.Yes	4868	4665	8301	9948	9663	9611	10667	10531	10394	12860
3.Disp prev record and has					7	5	4	5	9	11
4.Disp prev record and no c					291	213	231	220	205	194
5.Disp prev record (DK if c			508	325						
Value	w11	w12	w13							
.D=DK	35	29	45							
.M=Oth missing	1									
.P=Preload yes,but no prv w										
.R=RF	3	2	3							
.Y=Via preload+yes prev wv										
0.No	7801	6838	8226							
1.Yes	12440	11672	12373							
3.Disp prev record and has	10	13	11							
4.Disp prev record and no c	264	193	254							
5.Disp prev record (DK if c										
SwHIBP: S reports high BP this wv										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		4	4	8	3	5	7	8	8	15
.M=Oth missing			2							
.R=RF					1	1	1	1	3	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.Y=Via preload+yes prev wv		3122								
0.No	6260	7478	6456	7685	6615	5635	6352	5299	4447	5955
1.Yes	3640	2486	5131	6106	5938	5861	6473	6303	6071	7432
3.Disp prev record and has					5	1	3	3	6	5
4.Disp prev record and no c					168	136	136	121	111	105
5.Disp prev record (DK if c			324	181						
Value	w11	w12	w13							
.D=DK	15	12	18							
.M=Oth missing	1									
.R=RF	3	1	2							
.U=Unmarried	7474	7125	8024							
.V=Spouse NR	592	610	1109							
.Y=Via preload+yes prev wv										
0.No	5165	4454	5041							
1.Yes	7145	6430	6576							
3.Disp prev record and has	4	10	6							
4.Disp prev record and no c	155	105	136							
5.Disp prev record (DK if c										

RwHIBPQ: Q-wording high BP this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		7015	9787	8920	10498	8689	7488	8109	7155	6011
3.ReIvw,Cond: last time sai			7926	7363	8809	8171	8205	9126	9103	8696
4.ReIvw,Cond: skip question		4265								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
10.Overlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		37	5	3	1					
16.ReIvw,NoCond BUT Pre=Con			1	4						

Value	w11	w12	w13
1.NewIvw: have had [ever]	331	178	4558
2.ReIvw,NoCond: have had si	8090	7190	6113
3.ReIvw,Cond: last time sai	11170	10685	9633
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	753	655	569
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	188	5	9
12.NewIvw BUT Pre=ReIvw,NoC			
13.NewIvw BUT Pre=ReIvw,Con			
15.ReIvw,Cond BUT Pre=NoCon	21	33	27
16.ReIvw,NoCond BUT Pre=Con	1	1	3

SwHIBPQ: Q-wording high BP this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		5501	6771	6058	7159	5823	4975	5499	4750	3938
3.ReIvw,Cond: last time sai			4905	4409	5319	4952	4930	5363	5283	4983
4.ReIvw,Cond: skip question		3122								
5.ReIvw/NewR: have ever had						648	577	668	474	485
10.Overlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		16		2	1					
16.ReIvw,NoCond BUT Pre=Con				4						

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.NewIvw: have had [ever]	313	167	2517
2.ReIvw,NoCond: have had si	5251	4579	3823
3.ReIvw,Cond: last time sai	6328	5871	5122
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	450	375	294
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC			
13.NewIvw BUT Pre=ReIvw,Con			
15.ReIvw,Cond BUT Pre=NoCon	8	15	13
16.ReIvw,NoCond BUT Pre=Con	1		2

RwDIAB: R reports diabetes this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		10	8	12	4	6	17	17	15	18
.M=Oth missing			2					1		
.P=Preload yes,but no prv w		1								
.R=RF			2		4	2	4	2	3	3
.Y=Via preload+yes prev wv		1203								
0.No	11262	17057	15334	18224	16452	14895	16398	14626	13323	16865
1.Yes	1390	1371	2480	3043	3007	3191	3609	3716	3771	5037
3.Disp prev record and has					3	3	5	3	3	4
4.Disp prev record and no c					108	68	96	104	102	107
5.Disp prev record (DK if c			165	105						

Value	w11	w12	w13
.D=DK	17	14	20
.M=Oth missing	1		1
.P=Preload yes,but no prv w			
.R=RF		1	5
.Y=Via preload+yes prev wv			
0.No	15408	13859	15318
1.Yes	4932	4737	5410
3.Disp prev record and has	4	1	8
4.Disp prev record and no c	192	135	150
5.Disp prev record (DK if c			

SwDIAB: S reports diabetes this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		3	4	3	2	3	6	6	7	4
.M=Oth missing			2							
.R=RF					2	1	1	1	1	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.Y=Via preload+yes prev wv		857								
0.No	8877	11470	10253	12039	10791	9615	10660	9416	8334	10438
1.Yes	1023	760	1546	1869	1869	1976	2240	2245	2246	3011
3.Disp prev record and has					2	3	4	1	2	3
4.Disp prev record and no c					64	41	61	66	56	56
5.Disp prev record (DK if c			112	69						

Value	w11	w12	w13
.D=DK	8	1	9
.M=Oth missing	1		
.R=RF		1	3
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.Y=Via preload+yes prev wv			
0.No	9493	8246	8760
1.Yes	2877	2695	2930
3.Disp prev record and has	3	1	5
4.Disp prev record and no c	106	68	72
5.Disp prev record (DK if c			

RwDIABQ: Q-wording diabetes this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		10103	15518	14169	16705	14399	13075	14238	13126	11632
3.ReIvw,Cond: last time sai			2200	2116	2603	2461	2618	2997	3132	3075
4.ReIvw,Cond: skip question		1203								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
10.Overlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		11		2						
16.ReIvw,NoCond BUT Pre=Con			1	3						

Value	w11	w12	w13
1.NewIvw: have had [ever]	331	178	4558
2.ReIvw,NoCond: have had si	14965	13733	11889
3.ReIvw,Cond: last time sai	4219	4063	3781
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	753	655	569
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	188	5	9
12.NewIvw BUT Pre=ReIvw,NoC			
15.ReIvw,Cond BUT Pre=NoCon	98	112	102
16.ReIvw,NoCond BUT Pre=Con		1	4

SwDIABQ: Q-wording diabetes this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		7776	10310	9163	10892	9277	8306	9078	8202	7130
3.ReIvw,Cond: last time sai			1366	1307	1587	1498	1599	1784	1831	1791
4.ReIvw,Cond: skip question		857								
5.ReIvw/NewR: have ever had						648	577	668	474	485
10.Overlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		6		2						
16.ReIvw,NoCond BUT Pre=Con				1						

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.NewIvw: have had [ever]	313	167	2517
2.ReIvw,NoCond: have had si	9078	8109	6825
3.ReIvw,Cond: last time sai	2447	2283	2071
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	450	375	294
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC			
15.ReIvw,Cond BUT Pre=NoCon	63	72	62
16.ReIvw,NoCond BUT Pre=Con		1	2

RwCANCR: R reports cancer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		9	7	10	10	5	13	14	9	18
.M=Oth missing			2					1		
.R=RF		3	3	1	5	2	3	2	3	2
.T=Other			1							
.Y=Via preload+yes prev wv		580								
0.No	11949	17777	16010	18978	17150	15665	17420	15746	14477	18926
1.Yes	703	1273	1880	2333	2344	2444	2630	2652	2670	3041
3.Disp prev record and has					1	3	1	2		
4.Disp prev record and no c					68	46	62	52	58	47
5.Disp prev record (DK if c			88	62						

Value	w11	w12	w13
.D=DK	12	16	16
.M=Oth missing	1		1
.R=RF	3	1	1
.T=Other			
.Y=Via preload+yes prev wv			
0.No	17440	15771	17867
1.Yes	3030	2901	2981
3.Disp prev record and has	3	1	1
4.Disp prev record and no c	65	57	45
5.Disp prev record (DK if c			

SwCANCR: S reports cancer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		4	6	3	3	4	7	6	5	9
.M=Oth missing			2							
.R=RF		3	1	1	2	2	1	1	2	2
.T=Other			1							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.Y=Via preload+yes prev wv		423								
0.No	9365	11949	10695	12500	11248	10122	11334	10116	9021	11651
1.Yes	535	711	1154	1452	1435	1483	1595	1592	1582	1831
3.Disp prev record and has					1	2	1			
4.Disp prev record and no c					41	26	34	20	36	20
5.Disp prev record (DK if c			58	24						

Value	w11	w12	w13
.D=DK	8	7	4
.M=Oth missing	1		
.R=RF		1	1
.T=Other			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.Y=Via preload+yes prev wv			
0.No	10683	9342	10139
1.Yes	1760	1629	1614
3.Disp prev record and has	2		
4.Disp prev record and no c	34	33	21
5.Disp prev record (DK if c			

RwCANCERQ: Q-wording cancer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		10728	16165	14760	17369	14962	13688	15072	14055	12607
3.ReIvw,Cond: last time sai			1543	1525	1939	1898	2004	2163	2201	2100
4.ReIvw,Cond: skip question		580								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
10.Overlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		9	10	3						
16.ReIvw,NoCond BUT Pre=Con			1	2			1		2	

Value	w11	w12	w13
1.NewIvw: have had [ever]	331	178	4558
2.ReIvw,NoCond: have had si	16758	15447	13508
3.ReIvw,Cond: last time sai	2514	2451	2266
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	753	655	569
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	188	5	9
12.NewIvw BUT Pre=ReIvw,NoC			
15.ReIvw,Cond BUT Pre=NoCon	8	9	2
16.ReIvw,NoCond BUT Pre=Con	2	2	

SwCANCERQ: Q-wording cancer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		8209	10748	9562	11311	9641	8709	9603	8733	7682
3.ReIvw,Cond: last time sai			922	909	1168	1134	1195	1259	1298	1239
4.ReIvw,Cond: skip question		423								
5.ReIvw/NewR: have ever had						648	577	668	474	485
10.Overlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon		7	5	1						
16.ReIvw,NoCond BUT Pre=Con			1	1			1		2	

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.NewIvw: have had [ever]	313	167	2517
2.ReIvw,NoCond: have had si	10138	9122	7725
3.ReIvw,Cond: last time sai	1444	1336	1234
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	450	375	294
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC			
15.ReIvw,Cond BUT Pre=NoCon	5	7	1
16.ReIvw,NoCond BUT Pre=Con	1		

RwLUNG: R reports lung disease this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		8	2	7	9	8	10	18	8	15
.M=Oth missing			2					1		
.R=RF		1	2		4	2	3	2	3	2
.T=Other			1							
.Y=Via preload+yes prev wv		879								
0.No	11634	17581	15971	19239	17574	16304	18077	16454	15223	19723
1.Yes	1018	1173	1751	1932	1792	1761	1900	1869	1872	2197
3.Disp prev record and has					10	1	4	2	3	6
4.Disp prev record and no c					189	89	135	123	108	91
5.Disp prev record (DK if c			262	206						

Value	w11	w12	w13
.D=DK	8	16	21
.M=Oth missing	1		1
.R=RF	1	2	3
.T=Other			
.Y=Via preload+yes prev wv			
0.No	18283	16639	18647
1.Yes	2120	1982	2122
3.Disp prev record and has	4	3	3
4.Disp prev record and no c	137	105	115
5.Disp prev record (DK if c			

SwLUNG: S reports lung disease this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		5	1	2	5	4	3	7	5	4
.M=Oth missing			2							
.R=RF		1			2	2		1	2	2
.T=Other			1							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.Y=Via preload+yes prev wv		614								
0.No	9157	11813	10686	12730	11575	10603	11824	10632	9582	12308
1.Yes	743	657	1072	1121	1043	982	1057	1027	1002	1155
3.Disp prev record and has					4	1	3	2	1	1
4.Disp prev record and no c					101	47	85	66	54	43
5.Disp prev record (DK if c			155	127						

Value	w11	w12	w13
.D=DK	3	4	8
.M=Oth missing	1		
.R=RF		1	2
.T=Other			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.Y=Via preload+yes prev wv			
0.No	11320	9985	10739
1.Yes	1103	970	978
3.Disp prev record and has	2	2	1
4.Disp prev record and no c	59	50	51
5.Disp prev record (DK if c			

RwLUNGQ: Q-wording lung disease this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		10433	16000	14793	17679	15465	14257	15675	14696	13232
3.ReIvw,Cond: last time sai			1717	1479	1629	1393	1436	1560	1562	1475
4.ReIvw,Cond: skip question		879								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
10.Overlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		5	2	3		2				
16.ReIvw,NoCond BUT Pre=Con				15						

Value	w11	w12	w13
1.NewIvw: have had [ever]	331	178	4558
2.ReIvw,NoCond: have had si	17428	16183	14228
3.ReIvw,Cond: last time sai	1828	1694	1528
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	753	655	569
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	188	5	9
12.NewIvw BUT Pre=ReIvw,NoC			
13.NewIvw BUT Pre=ReIvw,Con			
15.ReIvw,Cond BUT Pre=NoCon	25	15	16
16.ReIvw,NoCond BUT Pre=Con	1	17	4

SwLUNGQ: Q-wording lung disease this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		8023	10633	9594	11559	10003	9115	10028	9212	8145
3.ReIvw,Cond: last time sai			1043	868	920	770	790	834	821	776
4.ReIvw,Cond: skip question		614								
5.ReIvw/NewR: have ever had						648	577	668	474	485
10.Overlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		2		1		2				
16.ReIvw,NoCond BUT Pre=Con				10						

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.NewIvw: have had [ever]	313	167	2517
2.ReIvw,NoCond: have had si	10639	9628	8264
3.ReIvw,Cond: last time sai	937	818	689
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	450	375	294
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC			
13.NewIvw BUT Pre=ReIvw,Con			
15.ReIvw,Cond BUT Pre=NoCon	11	7	6
16.ReIvw,NoCond BUT Pre=Con	1	12	1

RwHEART: R reports heart prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		10	1	13	4	10	19	17	14	19
.M=Oth missing			2					1		
.R=RF			2		4	2	2	2	4	2
0.No	10986	16422	13601	16368	15030	13481	15174	13572	12501	16786
1.Yes	1666	3210	4119	4307	4374	4551	4789	4700	4511	5081
3.Disp prev record and has					6	3	3	2	4	2
4.Disp prev record and no c					160	118	142	175	183	144
5.Disp prev record (DK if c			266	179						
6.Preld prob:prev had/no ne				517						

Value	w11	w12	w13
.D=DK	16	22	22
.M=Oth missing	1		1
.R=RF	2	2	2
0.No	15404	13881	16025
1.Yes	4960	4693	4693
3.Disp prev record and has		4	4
4.Disp prev record and no c	171	145	165
5.Disp prev record (DK if c			
6.Preld prob:prev had/no ne			

SwHEART: S reports heart prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		4		5	1	4	7	3	8	9
.M=Oth missing			2							
.R=RF					2	2		1	2	1
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
0.No	8614	11313	9257	10972	9990	8887	10053	8887	7927	10495
1.Yes	1286	1773	2504	2655	2638	2686	2827	2748	2617	2930
3.Disp prev record and has					3	2	1	1	3	1
4.Disp prev record and no c					96	58	84	95	89	77
5.Disp prev record (DK if c			154	98						
6.Preld prob:prev had/no ne				250						

Value	w11	w12	w13
.D=DK	7	9	6
.M=Oth missing	1		
.R=RF	1	1	1
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	9572	8357	9243
1.Yes	2828	2572	2450
3.Disp prev record and has		2	4
4.Disp prev record and no c	79	71	75
5.Disp prev record (DK if c			
6.Preld prob:prev had/no ne			

RwHEARTQ: Q-wording heart prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8188	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		9813	14070	12790	15646	13195	12058	13336	12412	11180
3.ReIvw,Cond: last time sai			3645	2570	3660	3460	3634	3899	3844	3527
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
6.ReIvw,Cond: told had sinc		1442								
10.Overlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		15		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		6	3	906	2				1	
16.ReIvw,NoCond BUT Pre=Con			1	24		205	1		1	
18.NewIvw BUT Pre=ReIvw,Con		15								
19.ReIvw,NoCond BUT Pre=Con		56								

Value	w11	w12	w13
1.NewIvw: have had [ever]	331	178	4558
2.ReIvw,NoCond: have had si	15030	13875	12134
3.ReIvw,Cond: last time sai	4202	3994	3591
5.ReIvw/NewR: have ever had	753	655	569
6.ReIvw,Cond: told had sinc			
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	188	5	9
12.NewIvw BUT Pre=ReIvw,NoC			
13.NewIvw BUT Pre=ReIvw,Con			
15.ReIvw,Cond BUT Pre=NoCon	50	40	50
16.ReIvw,NoCond BUT Pre=Con			1
18.NewIvw BUT Pre=ReIvw,Con			
19.ReIvw,NoCond BUT Pre=Con			

SwHEARTQ: Q-wording heart prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.NewIvw: have had [ever]	9900	4318	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		7526	9474	8418	10247	8609	7770	8589	7825	6894
3.ReIvw,Cond: last time sai			2201	1611	2230	2077	2135	2273	2208	2027
5.ReIvw/NewR: have ever had						648	577	668	474	485
6.ReIvw,Cond: told had sinc		1071								
10.Overlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		14		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		3	1	441	2					
16.ReIvw,NoCond BUT Pre=Con				3		89				
18.NewIvw BUT Pre=ReIvw,Con		15								
19.ReIvw,NoCond BUT Pre=Con		39								

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.NewIvw: have had [ever]	313	167	2517
2.ReIvw,NoCond: have had si	9180	8263	7045
3.ReIvw,Cond: last time sai	2380	2183	1893
5.ReIvw/NewR: have ever had	450	375	294
6.ReIvw,Cond: told had sinc			
10.Overlap-93Ivw: have had [

11.ReIvw BUT Pre=NewIvw: ha	|	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC	|			
13.NewIvw BUT Pre=ReIvw,Con	|			
15.ReIvw,Cond BUT Pre=NoCon	|	28	19	22
16.ReIvw,NoCond BUT Pre=Con	|			
18.NewIvw BUT Pre=ReIvw,Con	|			
19.ReIvw,NoCond BUT Pre=Con	|			

RwSTROK: R reports stroke this wv

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|		4	4	8	2	8	6	12	10	11
.M=Oth missing	|			2					1		
.R=RF	|			2		5	2	1	2	4	3
.Y=Via preload+yes prev wv	|		323								
0.No	|	12257	18384	16679	19792	18088	16718	18627	16988	15765	20338
1.Yes	|	395	792	1106	1363	1318	1273	1327	1298	1284	1523
2.TIA/possible stroke	|		139	130	167	123	146	141	126	124	127
3.Disp prev record and has	|					4	2	2	3	1	2
4.Disp prev record and no c	|					38	16	25	39	29	30
5.Disp prev record (DK if c	|			68	54						

Value	|	w11	w12	w13
.D=DK	|	9	17	12
.M=Oth missing	|	1		1
.R=RF	|	1	3	1
.Y=Via preload+yes prev wv	|			
0.No	|	18850	17154	19264
1.Yes	|	1546	1437	1479
2.TIA/possible stroke	|	103	93	112
3.Disp prev record and has	|	2	4	1
4.Disp prev record and no c	|	42	39	42
5.Disp prev record (DK if c	|			

SwSTROK: S reports stroke this wv

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|		2	2	3	1	2	2	5	4	5
.M=Oth missing	|			2							
.R=RF	|					2	2		1	2	2
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
.Y=Via preload+yes prev wv	|		241								
0.No	|	9604	12379	11184	13127	11934	10898	12198	10955	9919	12672
1.Yes	|	296	393	632	739	714	650	694	694	658	763
2.TIA/possible stroke	|		75	62	80	57	73	69	63	55	61
3.Disp prev record and has	|					2	2				1
4.Disp prev record and no c	|					20	12	9	17	8	9
5.Disp prev record (DK if c	|			35	31						

Value	|	w11	w12	w13
.D=DK	|	4	5	4
.M=Oth missing	|	1		
.R=RF	|		2	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.Y=Via preload+yes prev wv	|			
0.No	|	11657	10253	11003
1.Yes	|	747	691	692

2.TIA/possible stroke	|	55	40	58
3.Disp prev record and has	|	1	2	
4.Disp prev record and no c	|	23	19	21
5.Disp prev record (DK if c	|			

RwSTROKQ: Q-wording stroke this wv

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	|	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si	|		10984	16733	15318	18113	15866	14684	16177	15200	13728
3.ReIvw,Cond: last time sai	|			869	921	1063	908	910	962	971	892
4.ReIvw,Cond: skip question	|		323								
5.ReIvw/NewR: have ever had	|						1072	959	1020	816	877
10.Ovrlap-93Ivw: have had [	|		107								
11.ReIvw BUT Pre=NewIvw: ha	|			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC	|		29		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon	|		10	116	51	132	86	99	96	87	87
16.ReIvw,NoCond BUT Pre=Con	|			1							

Value	|	w11	w12	w13
1.NewIvw: have had [ever]	|	331	178	4558
2.ReIvw,NoCond: have had si	|	18017	16681	14670
3.ReIvw,Cond: last time sai	|	1174	1151	1029
4.ReIvw,Cond: skip question	|			
5.ReIvw/NewR: have ever had	|	753	655	569
10.Ovrlap-93Ivw: have had [	|
11.ReIvw BUT Pre=NewIvw: ha	|	188	5	9
12.NewIvw BUT Pre=ReIvw,NoC	|			
15.ReIvw,Cond BUT Pre=NoCon	|	90	77	75
16.ReIvw,NoCond BUT Pre=Con	|	1		2

SwSTROKQ: Q-wording stroke this wv

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
1.NewIvw: have had [ever]	|	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si	|		8398	11124	9950	11839	10257	9371	10295	9488	8430
3.ReIvw,Cond: last time sai	|			496	504	571	473	479	516	498	450
4.ReIvw,Cond: skip question	|		241								
5.ReIvw/NewR: have ever had	|						648	577	668	474	485
10.Ovrlap-93Ivw: have had [	|		104								
11.ReIvw BUT Pre=NewIvw: ha	|			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC	|		28		1		1	1	1		
15.ReIvw,Cond BUT Pre=NoCon	|			56	19	69	45	55	51	47	41
16.ReIvw,NoCond BUT Pre=Con	|										

Value	|	w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
1.NewIvw: have had [ever]	|	313	167	2517
2.ReIvw,NoCond: have had si	|	10968	9874	8435
3.ReIvw,Cond: last time sai	|	575	548	486
4.ReIvw,Cond: skip question	|			
5.ReIvw/NewR: have ever had	|	450	375	294
10.Ovrlap-93Ivw: have had [	|
11.ReIvw BUT Pre=NewIvw: ha	|	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC	|			
15.ReIvw,Cond BUT Pre=NoCon	|	44	43	38
16.ReIvw,NoCond BUT Pre=Con	|	1		1

RwPSYCH: R reports psych prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	7	12	6	6	20	18	15	31
.M=Oth missing			2					1		
.R=RF		5	3	1	3	4	11	3	3	5
.T=Other			1							
.Y=Via preload+yes prev wv		1193								
0.No	11283	17090	15089	18086	16402	15115	16624	15023	13907	17826
1.Yes	1369	1352	2467	2998	2873	2862	3215	3227	3100	4002
3.Disp prev record and has					7	7	11	3	5	13
4.Disp prev record and no c					287	171	248	194	187	157
5.Disp prev record (DK if c			422	287						

Value	w11	w12	w13
.D=DK	27	22	20
.M=Oth missing	1		1
.R=RF	3	8	5
.T=Other			
.Y=Via preload+yes prev wv			
0.No	16442	14891	16547
1.Yes	3881	3658	4174
3.Disp prev record and has	10	3	4
4.Disp prev record and no c	190	165	161
5.Disp prev record (DK if c			

SwPSYCH: S reports psych prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		2	1	7	2	1	11	8	7	10
.M=Oth missing			2							
.R=RF		3		1	1	3	8	2	2	1
.T=Other			1							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.Y=Via preload+yes prev wv		763								
0.No	8982	11542	10203	12120	10952	9976	11077	9876	8912	11342
1.Yes	918	780	1453	1684	1613	1556	1742	1738	1623	2085
3.Disp prev record and has					3	5	6	1	3	4
4.Disp prev record and no c					159	98	128	110	99	71
5.Disp prev record (DK if c			257	168						

Value	w11	w12	w13
.D=DK	13	10	5
.M=Oth missing	1		
.R=RF		2	1
.T=Other			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.Y=Via preload+yes prev wv			
0.No	10387	9103	9741
1.Yes	1998	1818	1952
3.Disp prev record and has	4	3	3
4.Disp prev record and no c	85	76	77
5.Disp prev record (DK if c			

RwPSYCHQ: Q-wording psych prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		10109	15419	14078	16662	14467	13259	14510	13510	12108
3.ReIvw,Cond: last time sai			2285	2201	2642	2392	2434	2725	2748	2599
4.ReIvw,Cond: skip question		1193								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
10.Overlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		15	1	3						
16.ReIvw,NoCond BUT Pre=Con			14	8	4	1				

Value	w11	w12	w13
1.NewIvw: have had [ever]	331	178	4558
2.ReIvw,NoCond: have had si	15799	14560	12717
3.ReIvw,Cond: last time sai	3468	3326	3037
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	753	655	569
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	188	5	9
12.NewIvw BUT Pre=ReIvw,NoC			
13.NewIvw BUT Pre=ReIvw,Con			
15.ReIvw,Cond BUT Pre=NoCon	12	23	17
16.ReIvw,NoCond BUT Pre=Con	3		5

SwPSYCHQ: Q-wording psych prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		7870	10304	9225	11012	9464	8597	9427	8599	7583
3.ReIvw,Cond: last time sai			1363	1241	1467	1311	1308	1435	1434	1338
4.ReIvw,Cond: skip question		763								
5.ReIvw/NewR: have ever had						648	577	668	474	485
10.Overlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1		1		1		
13.NewIvw BUT Pre=ReIvw,Con							1			
15.ReIvw,Cond BUT Pre=NoCon		6		2						
16.ReIvw,NoCond BUT Pre=Con			9	5						

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.NewIvw: have had [ever]	313	167	2517
2.ReIvw,NoCond: have had si	9827	8813	7518
3.ReIvw,Cond: last time sai	1754	1645	1431
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	450	375	294
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC			
13.NewIvw BUT Pre=ReIvw,Con			
15.ReIvw,Cond BUT Pre=NoCon	5	7	8
16.ReIvw,NoCond BUT Pre=Con	2		3

RwARTHR: R reports arthritis this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		11	4	21	9	24	23	16	23	39
.M=Oth missing			2					1		
.R=RF			2	1	6	2	2	2	4	3
.T=Other			1							
.Y=Via preload+yes prev wv		4241								
0.No	7880	12348	8497	9772	8116	7045	8349	7169	6301	9775
1.Yes	4772	3042	9101	11257	11116	10840	11472	11037	10587	11997
3.Disp prev record and has					14	9	9	6	5	8
4.Disp prev record and no c					317	245	274	238	297	212
5.Disp prev record (DK if c			384	333						

Value	w11	w12	w13
.D=DK	25	31	30
.M=Oth missing	1		1
.R=RF	1	4	4
.T=Other			
.Y=Via preload+yes prev wv			
0.No	8583	7478	9326
1.Yes	11669	11017	11317
3.Disp prev record and has	5	1	4
4.Disp prev record and no c	270	216	230
5.Disp prev record (DK if c			

SwARTHR: S reports arthritis this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		5	4	9	6	11	12	4	12	15
.M=Oth missing			2							
.R=RF				1	2	2	1	1	2	1
.T=Other			1							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.Y=Via preload+yes prev wv		3076								
0.No	6323	8327	5989	6921	5764	4883	5874	5004	4280	6473
1.Yes	3577	1682	5643	6834	6746	6580	6916	6590	6167	6896
3.Disp prev record and has					9	6	7	3	2	3
4.Disp prev record and no c					203	157	162	133	183	125
5.Disp prev record (DK if c			278	215						

Value	w11	w12	w13
.D=DK	10	10	9
.M=Oth missing	1		
.R=RF		1	1
.T=Other			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.Y=Via preload+yes prev wv			
0.No	5680	4868	5732
1.Yes	6637	6020	5922
3.Disp prev record and has	3		2
4.Disp prev record and no c	157	113	113
5.Disp prev record (DK if c			

RwARTHRQ: Q-wording arthritis this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]	12652	8189	270	5090	264	226	3471	207	143	6439
2.ReIvw,NoCond: have had si		7044	11104	8148	9209	7435	6357	7346	6584	5741
3.ReIvw,Cond: last time sai			6612	8136	10099	9421	9336	9889	9674	8966
4.ReIvw,Cond: skip question		4241								
5.ReIvw/NewR: have ever had						1072	959	1020	816	877
10.Overlap-93Ivw: have had [		107								
11.ReIvw BUT Pre=NewIvw: ha			2	3	6	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		29		1				1		
13.NewIvw BUT Pre=ReIvw,Con						1	1			
15.ReIvw,Cond BUT Pre=NoCon		32	3	4		4				
16.ReIvw,NoCond BUT Pre=Con				2						

Value	w11	w12	w13
1.NewIvw: have had [ever]	331	178	4558
2.ReIvw,NoCond: have had si	8724	7805	6604
3.ReIvw,Cond: last time sai	10540	10093	9146
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	753	655	569
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	188	5	9
12.NewIvw BUT Pre=ReIvw,NoC			
13.NewIvw BUT Pre=ReIvw,Con			
15.ReIvw,Cond BUT Pre=NoCon	16	10	10
16.ReIvw,NoCond BUT Pre=Con	2	1	16

SwARTHRQ: Q-wording arthritis this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.NewIvw: have had [ever]	9900	4319	240	3503	246	209	2484	198	139	4096
2.ReIvw,NoCond: have had si		5545	7396	5591	6435	5117	4338	5038	4432	3798
3.ReIvw,Cond: last time sai			4280	4877	6044	5656	5567	5824	5601	5123
4.ReIvw,Cond: skip question		3076								
5.ReIvw/NewR: have ever had						648	577	668	474	485
10.Overlap-93Ivw: have had [		104								
11.ReIvw BUT Pre=NewIvw: ha			1	3	5	6	5	6		11
12.NewIvw BUT Pre=ReIvw,NoC		28		1				1		
13.NewIvw BUT Pre=ReIvw,Con						1	1			
15.ReIvw,Cond BUT Pre=NoCon		18		3		2				
16.ReIvw,NoCond BUT Pre=Con				2						

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.NewIvw: have had [ever]	313	167	2517
2.ReIvw,NoCond: have had si	5644	4985	4166
3.ReIvw,Cond: last time sai	5931	5474	4785
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had	450	375	294
10.Overlap-93Ivw: have had [
11.ReIvw BUT Pre=NewIvw: ha	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC			
13.NewIvw BUT Pre=ReIvw,Con			
15.ReIvw,Cond BUT Pre=NoCon	11	5	5
16.ReIvw,NoCond BUT Pre=Con	2	1	4

Format Reference Tables – complete variable value labels

Variables: ALZHE, ARTHR, CANCR, DEMEN, DIAB, HEART, HIBP, LUNG, MEMRY, PSYCH, STROK

.D=DK
 .I=HRS impute=has cond
 .J=HRS impute=no cond
 .M=Oth missing
 .P=Preload yes,but no prv ww
 .R=RF
 .S=Skip
 .T=Other
 .U=Unmarried
 .V=Spouse NR
 .Y=Via preload+yes prev ww
 0.No
 1.Yes
 2.TIA/possible stroke
 3.Disp prev record and has cond
 4.Disp prev record and no cond
 5.Disp prev record (DK if cond)
 6.Prel prob:prev had/no new

Variables: ALZHEQ, ARTHRQ, CANCRQ, DEMENQ, DIABQ, HEARTQ, HIBPQ, LUNGQ, MEMRYQ, PSYCHQ, STROKQ

.T=Other
 .U=Unmarried
 .V=Spouse NR
 1.NewIvw: have had [ever]
 2.ReIvw,NoCond: have had since last Ivw
 3.ReIvw,Cond: last time said had
 4.ReIvw,Cond: skip question
 5.ReIvw/NewR: have ever had
 6.ReIvw,Cond: told had since last Ivw
 10.Ovrlap-93Ivw: have had [ever]
 11.ReIvw BUT Pre=NewIvw: have had [ever]
 12.NewIvw BUT Pre=ReIvw,NoCond: have had since last Ivw
 13.NewIvw BUT Pre=ReIvw,Cond: last time said had
 14.NewIvw BUT Pre=ReIvw,Cond: skip question
 15.ReIvw,Cond BUT Pre=NoCond: have had since last Ivw
 16.ReIvw,NoCond BUT Pre=Cond: last time said had
 17.ReIvw,NoCond BUT Pre=Cond: Skip question
 18.NewIvw BUT Pre=ReIvw,Cond: told had since last Ivw
 19.ReIvw,NoCond BUT Pre=Cond: told had since last Ivw

How Constructed

RwHIBP, RwDIAB, RwCANCR, RwLUNG, RwHEART, RwSTROK, RwPSYCH, and RwARTHR indicate the raw response to the question regarding whether or not a doctor has told the Respondent s/he had these conditions. The exact question wording depends on whether this is a first interview, whether the person being interviewed is the same as in the prior interview, and whether the condition was reported at a prior interview. RwHIBPQ, RwDIABQ, RwCANCRQ, RwLUNGQ, RwHEARTQ, RwSTROKQ, RwPSYCHQ, and RwARTHRQ indicate the question wording used, based on preload variables, and whether the preloaded information is correct.

The conditions are 1) high blood pressure or hypertension; 2) diabetes or high blood sugar; 3) cancer or a malignant tumor of any kind except skin cancer; 4) chronic lung disease except asthma such as chronic bronchitis or emphysema; 5) heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems; 6) stroke or transient ischemic attack (TIA); 7) emotional, nervous, or psychiatric problems; and 8) arthritis or rheumatism.

The question wording is one of the following (main codes in "Q" variables are given in parentheses):

If new interview, or from Wave 6 forward, new person answering questions (1.NewIvw or 5.ReIvw/NewR): "Has a doctor ever told you that you have ..."

If reinterview and no prior report of condition (2.ReIvw,NoCond): "Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

From Wave 3 forward, if reinterview and prior report of condition (3.ReIvw,Cond): "Our records from your last interview show that you have had ..., and the Respondent has the opportunity to dispute the statement.

In Wave 2H, if it is a reinterview and the condition is reported in Wave 1 (4.ReIvw,Cond), the question is skipped, except for the heart condition question which asks about the time since last interview (6.ReIvw,Cond: told had since last Ivw). Wave 2A is the first wave for AHEAD Respondents so they are all new interviews.

In Wave 2A, the HRS-AHEAD overlap cases are treated as though this is their first interview. These cases have a Wave 1 interview as part of the HRS cohort, but because of their ages, are given to AHEAD in 1993. So in both 1992 and 1993, they are asked: "Has a doctor ever told you that you have...." These cases are assigned a code of "10" in Wave 2A. They may or may not have reported having the condition in Wave 1.

The "Q" variables have additional codes that indicate situations where the preload variables determine the question wording, but do not agree with the actual situation in prior waves. For example, "11" means that the Respondent has a prior interview, but the preload

indicates this is a new interview, so the question asks if the Respondent has ever been told about a condition, and "15" means that the Respondent previously reported having a condition but the preload indicates a prior interview and no condition, so the question asks if the Respondent has been told about a condition since last interview. In the latter case, an answer of "No" is consistent with having been told of the condition at or before the last interview, but not since. Codes "18" and "19" apply only to the question about a heart condition in Wave 2H.

RwHIBP, RwDIAB, RwcANCRC, RwlLUNG, RwhHEART, RwsSTROK, RwsPSYCH, and RwsARTHR are recoded to reflect the answer given. The meaning of the answer depends on the question asked, so the analyst may want to consider these variables in conjunction with the corresponding "Q" variables. Generally, a "1" means "yes" and "0" means "no." Note that for a re-interview, when the condition was previously reported, a "1" in this variable simply means the Respondent did not dispute the statement about the records from last interview. In Waves 3 and 4, this can be disputed, but no follow-up as to whether the Respondent currently has the condition is done; these are assigned a code of "5." From Wave 5 forward, the interviewer is asked to probe for current condition if the statement is disputed; these are assigned a code of "3" or "4," depending on whether the Respondent says s/he has the condition now or not, respectively.

In Wave 2H, if the question is skipped because the preload indicates the condition was reported in Wave 1, the condition variable is set to .Y if the condition is indeed reported in Wave 1, and .P if the condition is not reported in Wave 1. R4HEART is set to "6" if the raw variable indicates that the incorrect question is asked due to a preload problem, and the Respondent reports no condition since last interview. These cases had previously reported a heart condition.

SwHIBP, SwDIAB, SwcANCRC, SwlLUNG, SwHEART, SwSTROK, SwPSYCH, SwARTHR, SwHIBPQ, SwDIABQ, SwcANCRCQ, SwLUNGQ, SwHEARTQ, SwSTROKQ, SwPSYCHQ, and SwARTHRQ give this information for the Respondent's spouse or partner.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HIBP is taken from the Wave 3 spouse's R3HIBP variable.

Please see RwHIBPE, RwDIABE, RwcANCRC, RwlLUNGE, RwhHEARTE, RwsSTROKE, RwsPSYCHE, and RwsARTHRE for variables that indicate whether the Respondent has ever reported having these conditions. The "E" variables consider answers from all previous waves, and not just the current one.

Please see the 'Change in Health' variables as well. Included there are variables that measure whether the individual conditions are new in a particular wave, i.e., reported as new since the last interview date. There is a summary measure for these new conditions as well.

Cross Wave Differences in Original HRS Data

A series of questions asks the Respondent if a doctor has ever diagnosed her/him with certain medical conditions. At a Respondent's first interview, the question asks:

"Has a doctor ever told you that you have ..."

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the ever question wording is used.

At subsequent interviews, the question wording depends on whether the appropriate preloaded variable indicates that the Respondent has said yes to the condition at a prior interview. If not, the question wording is:

"Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

What happens if the Respondent had reported a condition at a prior interview varies across waves. In Wave 2H, if the preloaded variable indicates that the Respondent reported the condition in Wave 1, no question is asked for most conditions. For heart problems,

the above question is asked regardless of the preloaded variable value; if the preloaded variable indicates a Wave 1 heart problem, it is prefaced by a statement that a heart condition has already been reported.

From Wave 3 forward, if the preloaded variable indicates that the Respondent reported a condition at a prior interview, a statement is read:

"Our records from your last interview show that you have had ..."

No explicit question is asked. If the Respondent disputes the statement voluntarily, this is recorded, but no follow-up on the current diagnosis of the condition is asked in Waves 3 and 4. From Wave 5 forward, if the Respondent disputes the statement, the interviewer is instructed to probe as to whether or not the Respondent has since been diagnosed with the condition. The dispute is recorded as "disputes previous wave record but now has the condition" or "disputes and does not have the condition," Most disputes are of the latter type. If the Respondent does not dispute the statement, the variable that indicates the diagnosis of the condition is set to "yes."

In Wave 4, an alternate variable is provided for the heart condition question (F1156A). Apparently a skip pattern problem in this wave causes some cases who had previously reported a heart condition to be asked if they'd been told they had one since last interview, and some respond "No." These cases are identified in F1156A.

In Wave 2A and from Wave 3 forward, a code for "possible stroke or transient ischemic attack (TIA)" is added, if the Respondent volunteered this information in answer to the question about strokes. This code is not available in Waves 1 and 2H. TIA is treated the same as a "yes" answer in deriving RwSTROKE (Ever had stroke), but is coded separately in RwSTROK.

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as: Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7 this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants.

HRS Variables Used

HRS 1992:

V325	B6:EVER HI BLD PRESS:IMP
V328	B7:EVER DIAB/HI BLD :IMP
V337	B9: CANCER/MALIGN TU:IMP
V401	B15:CHRONIC LUNG DIS:IMP
V406	B16:EVER HEART PROBL:IMP
V417	B22:EVER HAD STROKE :IMP
V422	B23:EMOT/NERV/PSYCH :IMP
V426	B25:ARTHRITIS/RHEUMA:IMP

AHEAD 1993:

B215	B3. HIGH BLOOD PRESSURE EVER
B219	B4. DIABETES: NOW
B225	B5. CANCER EVER
B235	B6. LUNG DISEASE: EVER
B242	B7. HEART CONDITION: EVER
B252	B8. STROKE: EVER
B259	B9. PSYCHIATRIC PROBLEMS: EVER
B265	B10. ARTHRITIS: PAST 12 MONTHS

HRS 1994:

W2RESP	HRS Wave 2 Status Flag
W328	B6a.HIGH BLOOD PRESSURE
W331	B7.DIABETES/HIGH BLOOD S
W339	B9.CANCER/MALIGNANT TUMO
W362	B14.CHRONIC LUNG DISEASE
W367	B15.HEART PROBLEMS EVER
W368	B15.HEART CONDITIONS
W379	B21.STROKE

W384	B23.EMOTIONAL/NERVOUS/PS
W387	B24.ARTHRITIS/RHEUMATISM
AHEAD 1995:	
D109	W1 R HIGH BP V215
D110	W1 DIABETES V219
D111	W1 CANCER V225
D112	W1 LUNG V235
D113	W1 HEART V244/245/252
D114	W1 STROKE V254
D115	W1 PSYCHIATRIC V259
D116	W1 ARTHRITIS V265
D370	W1 INTERV
D781	B3. HIGH BLOOD PRESSURE
D788	B4. DIABETES
D801	B5.CANCER
D818	B6. LUNG
D828	B7. HEART CONDITION
D848	B9. STROKE
D861	B10. PSYCHIATRIC
D866	B11. ARTHRITIS
HRS 1996:	
E109	PREV WAVE R HIGH BP V215
E110	PREV WAVE DIABETES V219
E111	PREV WAVE CANCER V225
E112	PREV WAVE LUNG V235
E113	PREV WAVE HEART V244/245/252
E114	PREV WAVE STROKE V254
E115	PREV WAVE PSYCHIATRIC V259
E116	PREV WAVE ARTHRITIS V265
E370	PREV WAVE INTERV
E781	B3. HIGH BLOOD PRESSURE
E788	B4. DIABETES
E801	B5.CANCER
E818	B6. LUNG
E828	B7. HEART CONDITION
E848	B9. STROKE
E861	B10. PSYCHIATRIC
E866	B11. ARTHRITIS
HRS 1998:	
F1109	B3. HIGH BLOOD PRESSURE
F1116	B4. DIABETES
F1129	B5.CANCER
F1146	B6. LUNG
F1156	B7. HEART CONDITION
F1176	B9. STROKE
F1189	B10. PSYCHIATRIC
F1194	B11. ARTHRITIS
F230	PREV WAVE R HIGH BP
F231	PREV WAVE DIABETES
F232	PREV WAVE CANCER
F233	PREV WAVE LUNG
F234	PREV WAVE HEART
F235	PREV WAVE STROKE
F236	PREV WAVE PSYCHIATRIC
F237	PREV WAVE ARTHRITIS
F682	PREVIOUS WAVE INTERV
HRS 2000:	
G1238	B3.HIGH BLOOD PRESSURE
G1245	B4. DIABETES

G1262	B5.CANCER
G1279	B6. LUNG
G1289	B7. HEART CONDITION
G1309	B9. STROKE
G1322	B10. PSYCHIATRIC
G1327	B11. ARTHRITIS
G230	PR230.PREV WAVE R HIGH BP
G231	PR231.PREV WAVE DIABETES
G232	PR232.PREV WAVE CANCER
G233	PR233.PREV WAVE LUNG
G234	PR234.PREV WAVE HEART
G235	PR235.PREV WAVE STROKE
G236	PR236.PREV WAVE PSYCHIATRIC
G237	PR237.PREV WAVE ARTHRITIS
G753	CS22Y30.PREVIOUS WAVE INTERV
HRS 2002:	
HA009	PROXY/SELF INTERVIEW
HA010	CURRENT - WAVE PROXY
HZ095	PREV WAVE IW SELF/PROXY
HRS 2002-2016:	
xC005	HIGH BLOOD PRESSURE
xC010	DIABETES
xC018	CANCER OF ANY KIND EXCLUDING SKIN
xC030	LUNG DISEASE
xC036	HEART CONDITION
xC053	STROKE
xC065	EMOTIONAL/PSYCHIATRIC PROBLEMS
xC070	ARTHRITIS
xZ076	R EVER INTERVIEWED
xZ101	PREV WAVE R HAS HIGH BLOODPRESSURE
xZ102	PREV WAVE R HAS DIABETES
xZ103	PREV WAVE R HAS CANCER
xZ104	PREV WAVE R HAS LUNG PROBLEMS
xZ105	PREV WAVE R HAS HEART PROBLEMS
xZ106	PREV WAVE R HAS HAD STROKE
xZ107	PREV WAVE R HAS PSYCHIATRIC PROBLEMS
xZ108	PREV WAVE R HAS ARTHRITIS
HRS 2004-2016:	
xC185	DIFFERENT REPORTER FROM PREV IW

Doctor diagnosed health problems: Ever Have Condition

Wave	Variable	Label	Type
1	R1HIBPE	R1HIBPE:W1 R ever had high blood pressure	Categ
2	R2HIBPE	R2HIBPE:W2 R ever had high blood pressure	Categ
3	R3HIBPE	R3HIBPE:W3 R ever had high blood pressure	Categ
4	R4HIBPE	R4HIBPE:W4 R ever had high blood pressure	Categ
5	R5HIBPE	R5HIBPE:W5 R ever had high blood pressure	Categ
6	R6HIBPE	R6HIBPE:W6 R ever had high blood pressure	Categ
7	R7HIBPE	R7HIBPE:W7 R ever had high blood pressure	Categ
8	R8HIBPE	R8HIBPE:W8 R ever had high blood pressure	Categ
9	R9HIBPE	R9HIBPE:W9 R ever had high blood pressure	Categ
10	R10HIBPE	R10HIBPE:W10 R ever had high blood pressure	Categ
11	R11HIBPE	R11HIBPE:W11 R ever had high blood pressure	Categ
12	R12HIBPE	R12HIBPE:W12 R ever had high blood pressure	Categ
13	R13HIBPE	R13HIBPE:W13 R ever had high blood pressure	Categ
1	S1HIBPE	S1HIBPE:W1 S ever had high blood pressure	Categ
2	S2HIBPE	S2HIBPE:W2 S ever had high blood pressure	Categ
3	S3HIBPE	S3HIBPE:W3 S ever had high blood pressure	Categ
4	S4HIBPE	S4HIBPE:W4 S ever had high blood pressure	Categ
5	S5HIBPE	S5HIBPE:W5 S ever had high blood pressure	Categ
6	S6HIBPE	S6HIBPE:W6 S ever had high blood pressure	Categ
7	S7HIBPE	S7HIBPE:W7 S ever had high blood pressure	Categ
8	S8HIBPE	S8HIBPE:W8 S ever had high blood pressure	Categ
9	S9HIBPE	S9HIBPE:W9 S ever had high blood pressure	Categ
10	S10HIBPE	S10HIBPE:W10 S ever had high blood pressure	Categ
11	S11HIBPE	S11HIBPE:W11 S ever had high blood pressure	Categ
12	S12HIBPE	S12HIBPE:W12 S ever had high blood pressure	Categ
13	S13HIBPE	S13HIBPE:W13 S ever had high blood pressure	Categ
1	R1HIBPF	R1HIBPF:W1 Flag dispute chg hi BP	Categ
2	R2HIBPF	R2HIBPF:W2 Flag dispute chg hi BP	Categ
3	R3HIBPF	R3HIBPF:W3 Flag dispute chg hi BP	Categ
4	R4HIBPF	R4HIBPF:W4 Flag dispute chg hi BP	Categ
5	R5HIBPF	R5HIBPF:W5 Flag dispute chg hi BP	Categ
6	R6HIBPF	R6HIBPF:W6 Flag dispute chg hi BP	Categ
7	R7HIBPF	R7HIBPF:W7 Flag dispute chg hi BP	Categ
8	R8HIBPF	R8HIBPF:W8 Flag dispute chg hi BP	Categ
9	R9HIBPF	R9HIBPF:W9 Flag dispute chg hi BP	Categ
10	R10HIBPF	R10HIBPF:W10 Flag dispute chg hi BP	Categ
11	R11HIBPF	R11HIBPF:W11 Flag dispute chg hi BP	Categ
12	R12HIBPF	R12HIBPF:W12 Flag dispute chg hi BP	Categ
13	R13HIBPF	R13HIBPF:W13 Flag dispute chg hi BP	Categ
1	S1HIBPF	S1HIBPF:W1 Flag dispute chg hi BP	Categ
2	S2HIBPF	S2HIBPF:W2 Flag dispute chg hi BP	Categ
3	S3HIBPF	S3HIBPF:W3 Flag dispute chg hi BP	Categ
4	S4HIBPF	S4HIBPF:W4 Flag dispute chg hi BP	Categ
5	S5HIBPF	S5HIBPF:W5 Flag dispute chg hi BP	Categ
6	S6HIBPF	S6HIBPF:W6 Flag dispute chg hi BP	Categ
7	S7HIBPF	S7HIBPF:W7 Flag dispute chg hi BP	Categ
8	S8HIBPF	S8HIBPF:W8 Flag dispute chg hi BP	Categ
9	S9HIBPF	S9HIBPF:W9 Flag dispute chg hi BP	Categ
10	S10HIBPF	S10HIBPF:W10 Flag dispute chg hi BP	Categ
11	S11HIBPF	S11HIBPF:W11 Flag dispute chg hi BP	Categ
12	S12HIBPF	S12HIBPF:W12 Flag dispute chg hi BP	Categ
13	S13HIBPF	S13HIBPF:W13 Flag dispute chg hi BP	Categ
1	R1DIABE	R1DIABE:W1 R ever had diabetes	Categ
2	R2DIABE	R2DIABE:W2 R ever had diabetes	Categ
3	R3DIABE	R3DIABE:W3 R ever had diabetes	Categ
4	R4DIABE	R4DIABE:W4 R ever had diabetes	Categ
5	R5DIABE	R5DIABE:W5 R ever had diabetes	Categ
6	R6DIABE	R6DIABE:W6 R ever had diabetes	Categ
7	R7DIABE	R7DIABE:W7 R ever had diabetes	Categ
8	R8DIABE	R8DIABE:W8 R ever had diabetes	Categ
9	R9DIABE	R9DIABE:W9 R ever had diabetes	Categ
10	R10DIABE	R10DIABE:W10 R ever had diabetes	Categ

11	R11DIABE	R11DIABE:W11 R ever had diabetes	Categ
12	R12DIABE	R12DIABE:W12 R ever had diabetes	Categ
13	R13DIABE	R13DIABE:W13 R ever had diabetes	Categ
1	S1DIABE	S1DIABE:W1 S ever had diabetes	Categ
2	S2DIABE	S2DIABE:W2 S ever had diabetes	Categ
3	S3DIABE	S3DIABE:W3 S ever had diabetes	Categ
4	S4DIABE	S4DIABE:W4 S ever had diabetes	Categ
5	S5DIABE	S5DIABE:W5 S ever had diabetes	Categ
6	S6DIABE	S6DIABE:W6 S ever had diabetes	Categ
7	S7DIABE	S7DIABE:W7 S ever had diabetes	Categ
8	S8DIABE	S8DIABE:W8 S ever had diabetes	Categ
9	S9DIABE	S9DIABE:W9 S ever had diabetes	Categ
10	S10DIABE	S10DIABE:W10 S ever had diabetes	Categ
11	S11DIABE	S11DIABE:W11 S ever had diabetes	Categ
12	S12DIABE	S12DIABE:W12 S ever had diabetes	Categ
13	S13DIABE	S13DIABE:W13 S ever had diabetes	Categ
1	R1DIABF	R1DIABF:W1 Flag dispute chg diabetes	Categ
2	R2DIABF	R2DIABF:W2 Flag dispute chg diabetes	Categ
3	R3DIABF	R3DIABF:W3 Flag dispute chg diabetes	Categ
4	R4DIABF	R4DIABF:W4 Flag dispute chg diabetes	Categ
5	R5DIABF	R5DIABF:W5 Flag dispute chg diabetes	Categ
6	R6DIABF	R6DIABF:W6 Flag dispute chg diabetes	Categ
7	R7DIABF	R7DIABF:W7 Flag dispute chg diabetes	Categ
8	R8DIABF	R8DIABF:W8 Flag dispute chg diabetes	Categ
9	R9DIABF	R9DIABF:W9 Flag dispute chg diabetes	Categ
10	R10DIABF	R10DIABF:W10 Flag dispute chg diabetes	Categ
11	R11DIABF	R11DIABF:W11 Flag dispute chg diabetes	Categ
12	R12DIABF	R12DIABF:W12 Flag dispute chg diabetes	Categ
13	R13DIABF	R13DIABF:W13 Flag dispute chg diabetes	Categ
1	S1DIABF	S1DIABF:W1 Flag dispute chg diabetes	Categ
2	S2DIABF	S2DIABF:W2 Flag dispute chg diabetes	Categ
3	S3DIABF	S3DIABF:W3 Flag dispute chg diabetes	Categ
4	S4DIABF	S4DIABF:W4 Flag dispute chg diabetes	Categ
5	S5DIABF	S5DIABF:W5 Flag dispute chg diabetes	Categ
6	S6DIABF	S6DIABF:W6 Flag dispute chg diabetes	Categ
7	S7DIABF	S7DIABF:W7 Flag dispute chg diabetes	Categ
8	S8DIABF	S8DIABF:W8 Flag dispute chg diabetes	Categ
9	S9DIABF	S9DIABF:W9 Flag dispute chg diabetes	Categ
10	S10DIABF	S10DIABF:W10 Flag dispute chg diabetes	Categ
11	S11DIABF	S11DIABF:W11 Flag dispute chg diabetes	Categ
12	S12DIABF	S12DIABF:W12 Flag dispute chg diabetes	Categ
13	S13DIABF	S13DIABF:W13 Flag dispute chg diabetes	Categ
1	R1CANCRE	R1CANCRE:W1 R ever had cancer	Categ
2	R2CANCRE	R2CANCRE:W2 R ever had cancer	Categ
3	R3CANCRE	R3CANCRE:W3 R ever had cancer	Categ
4	R4CANCRE	R4CANCRE:W4 R ever had cancer	Categ
5	R5CANCRE	R5CANCRE:W5 R ever had cancer	Categ
6	R6CANCRE	R6CANCRE:W6 R ever had cancer	Categ
7	R7CANCRE	R7CANCRE:W7 R ever had cancer	Categ
8	R8CANCRE	R8CANCRE:W8 R ever had cancer	Categ
9	R9CANCRE	R9CANCRE:W9 R ever had cancer	Categ
10	R10CANCRE	R10CANCRE:W10 R ever had cancer	Categ
11	R11CANCRE	R11CANCRE:W11 R ever had cancer	Categ
12	R12CANCRE	R12CANCRE:W12 R ever had cancer	Categ
13	R13CANCRE	R13CANCRE:W13 R ever had cancer	Categ
1	S1CANCRE	S1CANCRE:W1 S ever had cancer	Categ
2	S2CANCRE	S2CANCRE:W2 S ever had cancer	Categ
3	S3CANCRE	S3CANCRE:W3 S ever had cancer	Categ
4	S4CANCRE	S4CANCRE:W4 S ever had cancer	Categ
5	S5CANCRE	S5CANCRE:W5 S ever had cancer	Categ
6	S6CANCRE	S6CANCRE:W6 S ever had cancer	Categ
7	S7CANCRE	S7CANCRE:W7 S ever had cancer	Categ
8	S8CANCRE	S8CANCRE:W8 S ever had cancer	Categ
9	S9CANCRE	S9CANCRE:W9 S ever had cancer	Categ
10	S10CANCRE	S10CANCRE:W10 S ever had cancer	Categ
11	S11CANCRE	S11CANCRE:W11 S ever had cancer	Categ
12	S12CANCRE	S12CANCRE:W12 S ever had cancer	Categ

13	S13CANCER	S13CANCER:W13 S ever had cancer	Categ
1	R1CANCERF	R1CANCERF:W1 Flag dispute chg cancer	Categ
2	R2CANCERF	R2CANCERF:W2 Flag dispute chg cancer	Categ
3	R3CANCERF	R3CANCERF:W3 Flag dispute chg cancer	Categ
4	R4CANCERF	R4CANCERF:W4 Flag dispute chg cancer	Categ
5	R5CANCERF	R5CANCERF:W5 Flag dispute chg cancer	Categ
6	R6CANCERF	R6CANCERF:W6 Flag dispute chg cancer	Categ
7	R7CANCERF	R7CANCERF:W7 Flag dispute chg cancer	Categ
8	R8CANCERF	R8CANCERF:W8 Flag dispute chg cancer	Categ
9	R9CANCERF	R9CANCERF:W9 Flag dispute chg cancer	Categ
10	R10CANCERF	R10CANCERF:W10 Flag dispute chg cancer	Categ
11	R11CANCERF	R11CANCERF:W11 Flag dispute chg cancer	Categ
12	R12CANCERF	R12CANCERF:W12 Flag dispute chg cancer	Categ
13	R13CANCERF	R13CANCERF:W13 Flag dispute chg cancer	Categ
1	S1CANCERF	S1CANCERF:W1 Flag dispute chg cancer	Categ
2	S2CANCERF	S2CANCERF:W2 Flag dispute chg cancer	Categ
3	S3CANCERF	S3CANCERF:W3 Flag dispute chg cancer	Categ
4	S4CANCERF	S4CANCERF:W4 Flag dispute chg cancer	Categ
5	S5CANCERF	S5CANCERF:W5 Flag dispute chg cancer	Categ
6	S6CANCERF	S6CANCERF:W6 Flag dispute chg cancer	Categ
7	S7CANCERF	S7CANCERF:W7 Flag dispute chg cancer	Categ
8	S8CANCERF	S8CANCERF:W8 Flag dispute chg cancer	Categ
9	S9CANCERF	S9CANCERF:W9 Flag dispute chg cancer	Categ
10	S10CANCERF	S10CANCERF:W10 Flag dispute chg cancer	Categ
11	S11CANCERF	S11CANCERF:W11 Flag dispute chg cancer	Categ
12	S12CANCERF	S12CANCERF:W12 Flag dispute chg cancer	Categ
13	S13CANCERF	S13CANCERF:W13 Flag dispute chg cancer	Categ
1	R1LUNGE	R1LUNGE:W1 R ever had lung disease	Categ
2	R2LUNGE	R2LUNGE:W2 R ever had lung disease	Categ
3	R3LUNGE	R3LUNGE:W3 R ever had lung disease	Categ
4	R4LUNGE	R4LUNGE:W4 R ever had lung disease	Categ
5	R5LUNGE	R5LUNGE:W5 R ever had lung disease	Categ
6	R6LUNGE	R6LUNGE:W6 R ever had lung disease	Categ
7	R7LUNGE	R7LUNGE:W7 R ever had lung disease	Categ
8	R8LUNGE	R8LUNGE:W8 R ever had lung disease	Categ
9	R9LUNGE	R9LUNGE:W9 R ever had lung disease	Categ
10	R10LUNGE	R10LUNGE:W10 R ever had lung disease	Categ
11	R11LUNGE	R11LUNGE:W11 R ever had lung disease	Categ
12	R12LUNGE	R12LUNGE:W12 R ever had lung disease	Categ
13	R13LUNGE	R13LUNGE:W13 R ever had lung disease	Categ
1	S1LUNGE	S1LUNGE:W1 S ever had lung disease	Categ
2	S2LUNGE	S2LUNGE:W2 S ever had lung disease	Categ
3	S3LUNGE	S3LUNGE:W3 S ever had lung disease	Categ
4	S4LUNGE	S4LUNGE:W4 S ever had lung disease	Categ
5	S5LUNGE	S5LUNGE:W5 S ever had lung disease	Categ
6	S6LUNGE	S6LUNGE:W6 S ever had lung disease	Categ
7	S7LUNGE	S7LUNGE:W7 S ever had lung disease	Categ
8	S8LUNGE	S8LUNGE:W8 S ever had lung disease	Categ
9	S9LUNGE	S9LUNGE:W9 S ever had lung disease	Categ
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11	S11LUNGE	S11LUNGE:W11 S ever had lung disease	Categ
12	S12LUNGE	S12LUNGE:W12 S ever had lung disease	Categ
13	S13LUNGE	S13LUNGE:W13 S ever had lung disease	Categ
1	R1LUNGF	R1LUNGF:W1 Flag dispute chg lung disease	Categ
2	R2LUNGF	R2LUNGF:W2 Flag dispute chg lung disease	Categ
3	R3LUNGF	R3LUNGF:W3 Flag dispute chg lung disease	Categ
4	R4LUNGF	R4LUNGF:W4 Flag dispute chg lung disease	Categ
5	R5LUNGF	R5LUNGF:W5 Flag dispute chg lung disease	Categ
6	R6LUNGF	R6LUNGF:W6 Flag dispute chg lung disease	Categ
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11	R11LUNGF	R11LUNGF:W11 Flag dispute chg lung disease	Categ
12	R12LUNGF	R12LUNGF:W12 Flag dispute chg lung disease	Categ
13	R13LUNGF	R13LUNGF:W13 Flag dispute chg lung disease	Categ

1	S1LUNGF	S1LUNGF:W1 Flag dispute chg lung disease	Categ
2	S2LUNGF	S2LUNGF:W2 Flag dispute chg lung disease	Categ
3	S3LUNGF	S3LUNGF:W3 Flag dispute chg lung disease	Categ
4	S4LUNGF	S4LUNGF:W4 Flag dispute chg lung disease	Categ
5	S5LUNGF	S5LUNGF:W5 Flag dispute chg lung disease	Categ
6	S6LUNGF	S6LUNGF:W6 Flag dispute chg lung disease	Categ
7	S7LUNGF	S7LUNGF:W7 Flag dispute chg lung disease	Categ
8	S8LUNGF	S8LUNGF:W8 Flag dispute chg lung disease	Categ
9	S9LUNGF	S9LUNGF:W9 Flag dispute chg lung disease	Categ
10	S10LUNGF	S10LUNGF:W10 Flag dispute chg lung disease	Categ
11	S11LUNGF	S11LUNGF:W11 Flag dispute chg lung disease	Categ
12	S12LUNGF	S12LUNGF:W12 Flag dispute chg lung disease	Categ
13	S13LUNGF	S13LUNGF:W13 Flag dispute chg lung disease	Categ
1	R1HEARTE	R1HEARTE:W1 R ever had heart problems	Categ
2	R2HEARTE	R2HEARTE:W2 R ever had heart problems	Categ
3	R3HEARTE	R3HEARTE:W3 R ever had heart problems	Categ
4	R4HEARTE	R4HEARTE:W4 R ever had heart problems	Categ
5	R5HEARTE	R5HEARTE:W5 R ever had heart problems	Categ
6	R6HEARTE	R6HEARTE:W6 R ever had heart problems	Categ
7	R7HEARTE	R7HEARTE:W7 R ever had heart problems	Categ
8	R8HEARTE	R8HEARTE:W8 R ever had heart problems	Categ
9	R9HEARTE	R9HEARTE:W9 R ever had heart problems	Categ
10	R10HEARTE	R10HEARTE:W10 R ever had heart problems	Categ
11	R11HEARTE	R11HEARTE:W11 R ever had heart problems	Categ
12	R12HEARTE	R12HEARTE:W12 R ever had heart problems	Categ
13	R13HEARTE	R13HEARTE:W13 R ever had heart problems	Categ
1	S1HEARTE	S1HEARTE:W1 S ever had heart problems	Categ
2	S2HEARTE	S2HEARTE:W2 S ever had heart problems	Categ
3	S3HEARTE	S3HEARTE:W3 S ever had heart problems	Categ
4	S4HEARTE	S4HEARTE:W4 S ever had heart problems	Categ
5	S5HEARTE	S5HEARTE:W5 S ever had heart problems	Categ
6	S6HEARTE	S6HEARTE:W6 S ever had heart problems	Categ
7	S7HEARTE	S7HEARTE:W7 S ever had heart problems	Categ
8	S8HEARTE	S8HEARTE:W8 S ever had heart problems	Categ
9	S9HEARTE	S9HEARTE:W9 S ever had heart problems	Categ
10	S10HEARTE	S10HEARTE:W10 S ever had heart problems	Categ
11	S11HEARTE	S11HEARTE:W11 S ever had heart problems	Categ
12	S12HEARTE	S12HEARTE:W12 S ever had heart problems	Categ
13	S13HEARTE	S13HEARTE:W13 S ever had heart problems	Categ
1	R1HEARTF	R1HEARTF:W1 Flag dispute chg heart prob	Categ
2	R2HEARTF	R2HEARTF:W2 Flag dispute chg heart prob	Categ
3	R3HEARTF	R3HEARTF:W3 Flag dispute chg heart prob	Categ
4	R4HEARTF	R4HEARTF:W4 Flag dispute chg heart prob	Categ
5	R5HEARTF	R5HEARTF:W5 Flag dispute chg heart prob	Categ
6	R6HEARTF	R6HEARTF:W6 Flag dispute chg heart prob	Categ
7	R7HEARTF	R7HEARTF:W7 Flag dispute chg heart prob	Categ
8	R8HEARTF	R8HEARTF:W8 Flag dispute chg heart prob	Categ
9	R9HEARTF	R9HEARTF:W9 Flag dispute chg heart prob	Categ
10	R10HEARTF	R10HEARTF:W10 Flag dispute chg heart prob	Categ
11	R11HEARTF	R11HEARTF:W11 Flag dispute chg heart prob	Categ
12	R12HEARTF	R12HEARTF:W12 Flag dispute chg heart prob	Categ
13	R13HEARTF	R13HEARTF:W13 Flag dispute chg heart prob	Categ
1	S1HEARTF	S1HEARTF:W1 Flag dispute chg heart prob	Categ
2	S2HEARTF	S2HEARTF:W2 Flag dispute chg heart prob	Categ
3	S3HEARTF	S3HEARTF:W3 Flag dispute chg heart prob	Categ
4	S4HEARTF	S4HEARTF:W4 Flag dispute chg heart prob	Categ
5	S5HEARTF	S5HEARTF:W5 Flag dispute chg heart prob	Categ
6	S6HEARTF	S6HEARTF:W6 Flag dispute chg heart prob	Categ
7	S7HEARTF	S7HEARTF:W7 Flag dispute chg heart prob	Categ
8	S8HEARTF	S8HEARTF:W8 Flag dispute chg heart prob	Categ
9	S9HEARTF	S9HEARTF:W9 Flag dispute chg heart prob	Categ
10	S10HEARTF	S10HEARTF:W10 Flag dispute chg heart prob	Categ
11	S11HEARTF	S11HEARTF:W11 Flag dispute chg heart prob	Categ
12	S12HEARTF	S12HEARTF:W12 Flag dispute chg heart prob	Categ
13	S13HEARTF	S13HEARTF:W13 Flag dispute chg heart prob	Categ
1	R1STROKE	R1STROKE:W1 R ever had stroke	Categ
2	R2STROKE	R2STROKE:W2 R ever had stroke	Categ

3	R3STROKE	R3STROKE:W3 R ever had stroke	Categ
4	R4STROKE	R4STROKE:W4 R ever had stroke	Categ
5	R5STROKE	R5STROKE:W5 R ever had stroke	Categ
6	R6STROKE	R6STROKE:W6 R ever had stroke	Categ
7	R7STROKE	R7STROKE:W7 R ever had stroke	Categ
8	R8STROKE	R8STROKE:W8 R ever had stroke	Categ
9	R9STROKE	R9STROKE:W9 R ever had stroke	Categ
10	R10STROKE	R10STROKE:W10 R ever had stroke	Categ
11	R11STROKE	R11STROKE:W11 R ever had stroke	Categ
12	R12STROKE	R12STROKE:W12 R ever had stroke	Categ
13	R13STROKE	R13STROKE:W13 R ever had stroke	Categ
1	S1STROKE	S1STROKE:W1 S ever had stroke	Categ
2	S2STROKE	S2STROKE:W2 S ever had stroke	Categ
3	S3STROKE	S3STROKE:W3 S ever had stroke	Categ
4	S4STROKE	S4STROKE:W4 S ever had stroke	Categ
5	S5STROKE	S5STROKE:W5 S ever had stroke	Categ
6	S6STROKE	S6STROKE:W6 S ever had stroke	Categ
7	S7STROKE	S7STROKE:W7 S ever had stroke	Categ
8	S8STROKE	S8STROKE:W8 S ever had stroke	Categ
9	S9STROKE	S9STROKE:W9 S ever had stroke	Categ
10	S10STROKE	S10STROKE:W10 S ever had stroke	Categ
11	S11STROKE	S11STROKE:W11 S ever had stroke	Categ
12	S12STROKE	S12STROKE:W12 S ever had stroke	Categ
13	S13STROKE	S13STROKE:W13 S ever had stroke	Categ
1	R1STROKF	R1STROKF:W1 Flag dispute chg stroke	Categ
2	R2STROKF	R2STROKF:W2 Flag dispute chg stroke	Categ
3	R3STROKF	R3STROKF:W3 Flag dispute chg stroke	Categ
4	R4STROKF	R4STROKF:W4 Flag dispute chg stroke	Categ
5	R5STROKF	R5STROKF:W5 Flag dispute chg stroke	Categ
6	R6STROKF	R6STROKF:W6 Flag dispute chg stroke	Categ
7	R7STROKF	R7STROKF:W7 Flag dispute chg stroke	Categ
8	R8STROKF	R8STROKF:W8 Flag dispute chg stroke	Categ
9	R9STROKF	R9STROKF:W9 Flag dispute chg stroke	Categ
10	R10STROKF	R10STROKF:W10 Flag dispute chg stroke	Categ
11	R11STROKF	R11STROKF:W11 Flag dispute chg stroke	Categ
12	R12STROKF	R12STROKF:W12 Flag dispute chg stroke	Categ
13	R13STROKF	R13STROKF:W13 Flag dispute chg stroke	Categ
1	S1STROKF	S1STROKF:W1 Flag dispute chg stroke	Categ
2	S2STROKF	S2STROKF:W2 Flag dispute chg stroke	Categ
3	S3STROKF	S3STROKF:W3 Flag dispute chg stroke	Categ
4	S4STROKF	S4STROKF:W4 Flag dispute chg stroke	Categ
5	S5STROKF	S5STROKF:W5 Flag dispute chg stroke	Categ
6	S6STROKF	S6STROKF:W6 Flag dispute chg stroke	Categ
7	S7STROKF	S7STROKF:W7 Flag dispute chg stroke	Categ
8	S8STROKF	S8STROKF:W8 Flag dispute chg stroke	Categ
9	S9STROKF	S9STROKF:W9 Flag dispute chg stroke	Categ
10	S10STROKF	S10STROKF:W10 Flag dispute chg stroke	Categ
11	S11STROKF	S11STROKF:W11 Flag dispute chg stroke	Categ
12	S12STROKF	S12STROKF:W12 Flag dispute chg stroke	Categ
13	S13STROKF	S13STROKF:W13 Flag dispute chg stroke	Categ
1	R1PSYCHE	R1PSYCHE:W1 R ever had psych problems	Categ
2	R2PSYCHE	R2PSYCHE:W2 R ever had psych problems	Categ
3	R3PSYCHE	R3PSYCHE:W3 R ever had psych problems	Categ
4	R4PSYCHE	R4PSYCHE:W4 R ever had psych problems	Categ
5	R5PSYCHE	R5PSYCHE:W5 R ever had psych problems	Categ
6	R6PSYCHE	R6PSYCHE:W6 R ever had psych problems	Categ
7	R7PSYCHE	R7PSYCHE:W7 R ever had psych problems	Categ
8	R8PSYCHE	R8PSYCHE:W8 R ever had psych problems	Categ
9	R9PSYCHE	R9PSYCHE:W9 R ever had psych problems	Categ
10	R10PSYCHE	R10PSYCHE:W10 R ever had psych problems	Categ
11	R11PSYCHE	R11PSYCHE:W11 R ever had psych problems	Categ
12	R12PSYCHE	R12PSYCHE:W12 R ever had psych problems	Categ
13	R13PSYCHE	R13PSYCHE:W13 R ever had psych problems	Categ
1	S1PSYCHE	S1PSYCHE:W1 S ever had psych problems	Categ
2	S2PSYCHE	S2PSYCHE:W2 S ever had psych problems	Categ
3	S3PSYCHE	S3PSYCHE:W3 S ever had psych problems	Categ
4	S4PSYCHE	S4PSYCHE:W4 S ever had psych problems	Categ

5	S5PSYCHE	S5PSYCHE:W5 S ever had psych problems	Categ
6	S6PSYCHE	S6PSYCHE:W6 S ever had psych problems	Categ
7	S7PSYCHE	S7PSYCHE:W7 S ever had psych problems	Categ
8	S8PSYCHE	S8PSYCHE:W8 S ever had psych problems	Categ
9	S9PSYCHE	S9PSYCHE:W9 S ever had psych problems	Categ
10	S10PSYCHE	S10PSYCHE:W10 S ever had psych problems	Categ
11	S11PSYCHE	S11PSYCHE:W11 S ever had psych problems	Categ
12	S12PSYCHE	S12PSYCHE:W12 S ever had psych problems	Categ
13	S13PSYCHE	S13PSYCHE:W13 S ever had psych problems	Categ
1	R1PSYCHF	R1PSYCHF:W1 Flag dispute chg psych probs	Categ
2	R2PSYCHF	R2PSYCHF:W2 Flag dispute chg psych probs	Categ
3	R3PSYCHF	R3PSYCHF:W3 Flag dispute chg psych probs	Categ
4	R4PSYCHF	R4PSYCHF:W4 Flag dispute chg psych probs	Categ
5	R5PSYCHF	R5PSYCHF:W5 Flag dispute chg psych probs	Categ
6	R6PSYCHF	R6PSYCHF:W6 Flag dispute chg psych probs	Categ
7	R7PSYCHF	R7PSYCHF:W7 Flag dispute chg psych probs	Categ
8	R8PSYCHF	R8PSYCHF:W8 Flag dispute chg psych probs	Categ
9	R9PSYCHF	R9PSYCHF:W9 Flag dispute chg psych probs	Categ
10	R10PSYCHF	R10PSYCHF:W10 Flag dispute chg psych probs	Categ
11	R11PSYCHF	R11PSYCHF:W11 Flag dispute chg psych probs	Categ
12	R12PSYCHF	R12PSYCHF:W12 Flag dispute chg psych probs	Categ
13	R13PSYCHF	R13PSYCHF:W13 Flag dispute chg psych probs	Categ
1	S1PSYCHF	S1PSYCHF:W1 Flag dispute chg psych probs	Categ
2	S2PSYCHF	S2PSYCHF:W2 Flag dispute chg psych probs	Categ
3	S3PSYCHF	S3PSYCHF:W3 Flag dispute chg psych probs	Categ
4	S4PSYCHF	S4PSYCHF:W4 Flag dispute chg psych probs	Categ
5	S5PSYCHF	S5PSYCHF:W5 Flag dispute chg psych probs	Categ
6	S6PSYCHF	S6PSYCHF:W6 Flag dispute chg psych probs	Categ
7	S7PSYCHF	S7PSYCHF:W7 Flag dispute chg psych probs	Categ
8	S8PSYCHF	S8PSYCHF:W8 Flag dispute chg psych probs	Categ
9	S9PSYCHF	S9PSYCHF:W9 Flag dispute chg psych probs	Categ
10	S10PSYCHF	S10PSYCHF:W10 Flag dispute chg psych probs	Categ
11	S11PSYCHF	S11PSYCHF:W11 Flag dispute chg psych probs	Categ
12	S12PSYCHF	S12PSYCHF:W12 Flag dispute chg psych probs	Categ
13	S13PSYCHF	S13PSYCHF:W13 Flag dispute chg psych probs	Categ
1	R1ARTHRE	R1ARTHRE:W1 R ever had arthritis	Categ
2	R2ARTHRE	R2ARTHRE:W2 R ever had arthritis	Categ
3	R3ARTHRE	R3ARTHRE:W3 R ever had arthritis	Categ
4	R4ARTHRE	R4ARTHRE:W4 R ever had arthritis	Categ
5	R5ARTHRE	R5ARTHRE:W5 R ever had arthritis	Categ
6	R6ARTHRE	R6ARTHRE:W6 R ever had arthritis	Categ
7	R7ARTHRE	R7ARTHRE:W7 R ever had arthritis	Categ
8	R8ARTHRE	R8ARTHRE:W8 R ever had arthritis	Categ
9	R9ARTHRE	R9ARTHRE:W9 R ever had arthritis	Categ
10	R10ARTHRE	R10ARTHRE:W10 R ever had arthritis	Categ
11	R11ARTHRE	R11ARTHRE:W11 R ever had arthritis	Categ
12	R12ARTHRE	R12ARTHRE:W12 R ever had arthritis	Categ
13	R13ARTHRE	R13ARTHRE:W13 R ever had arthritis	Categ
1	S1ARTHRE	S1ARTHRE:W1 S ever had arthritis	Categ
2	S2ARTHRE	S2ARTHRE:W2 S ever had arthritis	Categ
3	S3ARTHRE	S3ARTHRE:W3 S ever had arthritis	Categ
4	S4ARTHRE	S4ARTHRE:W4 S ever had arthritis	Categ
5	S5ARTHRE	S5ARTHRE:W5 S ever had arthritis	Categ
6	S6ARTHRE	S6ARTHRE:W6 S ever had arthritis	Categ
7	S7ARTHRE	S7ARTHRE:W7 S ever had arthritis	Categ
8	S8ARTHRE	S8ARTHRE:W8 S ever had arthritis	Categ
9	S9ARTHRE	S9ARTHRE:W9 S ever had arthritis	Categ
10	S10ARTHRE	S10ARTHRE:W10 S ever had arthritis	Categ
11	S11ARTHRE	S11ARTHRE:W11 S ever had arthritis	Categ
12	S12ARTHRE	S12ARTHRE:W12 S ever had arthritis	Categ
13	S13ARTHRE	S13ARTHRE:W13 S ever had arthritis	Categ
1	R1ARTHRF	R1ARTHRF:W1 Flag dispute chg arthritis	Categ
2	R2ARTHRF	R2ARTHRF:W2 Flag dispute chg arthritis	Categ
3	R3ARTHRF	R3ARTHRF:W3 Flag dispute chg arthritis	Categ
4	R4ARTHRF	R4ARTHRF:W4 Flag dispute chg arthritis	Categ
5	R5ARTHRF	R5ARTHRF:W5 Flag dispute chg arthritis	Categ
6	R6ARTHRF	R6ARTHRF:W6 Flag dispute chg arthritis	Categ

7	R7ARTHRF	R7ARTHRF:W7 Flag dispute chg arthritis	Categ
8	R8ARTHRF	R8ARTHRF:W8 Flag dispute chg arthritis	Categ
9	R9ARTHRF	R9ARTHRF:W9 Flag dispute chg arthritis	Categ
10	R10ARTHRF	R10ARTHRF:W10 Flag dispute chg arthritis	Categ
11	R11ARTHRF	R11ARTHRF:W11 Flag dispute chg arthritis	Categ
12	R12ARTHRF	R12ARTHRF:W12 Flag dispute chg arthritis	Categ
13	R13ARTHRF	R13ARTHRF:W13 Flag dispute chg arthritis	Categ
1	S1ARTHRF	S1ARTHRF:W1 Flag dispute chg arthritis	Categ
2	S2ARTHRF	S2ARTHRF:W2 Flag dispute chg arthritis	Categ
3	S3ARTHRF	S3ARTHRF:W3 Flag dispute chg arthritis	Categ
4	S4ARTHRF	S4ARTHRF:W4 Flag dispute chg arthritis	Categ
5	S5ARTHRF	S5ARTHRF:W5 Flag dispute chg arthritis	Categ
6	S6ARTHRF	S6ARTHRF:W6 Flag dispute chg arthritis	Categ
7	S7ARTHRF	S7ARTHRF:W7 Flag dispute chg arthritis	Categ
8	S8ARTHRF	S8ARTHRF:W8 Flag dispute chg arthritis	Categ
9	S9ARTHRF	S9ARTHRF:W9 Flag dispute chg arthritis	Categ
10	S10ARTHRF	S10ARTHRF:W10 Flag dispute chg arthritis	Categ
11	S11ARTHRF	S11ARTHRF:W11 Flag dispute chg arthritis	Categ
12	S12ARTHRF	S12ARTHRF:W12 Flag dispute chg arthritis	Categ
13	S13ARTHRF	S13ARTHRF:W13 Flag dispute chg arthritis	Categ
13	R13SLEEPE	R13SLEEPE:W13 R ever had sleep disorder	Categ
13	S13SLEEPE	S13SLEEPE:W13 S ever had sleep disorder	Categ
1	R1CONDE	R1CONDE:W1 Sum of conditions ever had	Cont
2	R2CONDE	R2CONDE:W2 Sum of conditions ever had	Cont
3	R3CONDE	R3CONDE:W3 Sum of conditions ever had	Cont
4	R4CONDE	R4CONDE:W4 Sum of conditions ever had	Cont
5	R5CONDE	R5CONDE:W5 Sum of conditions ever had	Cont
6	R6CONDE	R6CONDE:W6 Sum of conditions ever had	Cont
7	R7CONDE	R7CONDE:W7 Sum of conditions ever had	Cont
8	R8CONDE	R8CONDE:W8 Sum of conditions ever had	Cont
9	R9CONDE	R9CONDE:W9 Sum of conditions ever had	Cont
10	R10CONDE	R10CONDE:W10 Sum of conditions ever had	Cont
11	R11CONDE	R11CONDE:W11 Sum of conditions ever had	Cont
12	R12CONDE	R12CONDE:W12 Sum of conditions ever had	Cont
13	R13CONDE	R13CONDE:W13 Sum of conditions ever had	Cont
1	S1CONDE	S1CONDE:W1 Sum of conditions ever had	Cont
2	S2CONDE	S2CONDE:W2 Sum of conditions ever had	Cont
3	S3CONDE	S3CONDE:W3 Sum of conditions ever had	Cont
4	S4CONDE	S4CONDE:W4 Sum of conditions ever had	Cont
5	S5CONDE	S5CONDE:W5 Sum of conditions ever had	Cont
6	S6CONDE	S6CONDE:W6 Sum of conditions ever had	Cont
7	S7CONDE	S7CONDE:W7 Sum of conditions ever had	Cont
8	S8CONDE	S8CONDE:W8 Sum of conditions ever had	Cont
9	S9CONDE	S9CONDE:W9 Sum of conditions ever had	Cont
10	S10CONDE	S10CONDE:W10 Sum of conditions ever had	Cont
11	S11CONDE	S11CONDE:W11 Sum of conditions ever had	Cont
12	S12CONDE	S12CONDE:W12 Sum of conditions ever had	Cont
13	S13CONDE	S13CONDE:W13 Sum of conditions ever had	Cont
1	R1CONDEF	R1CONDEF:W1 # chg from dispute/sum ever	Cont
2	R2CONDEF	R2CONDEF:W2 # chg from dispute/sum ever	Cont
3	R3CONDEF	R3CONDEF:W3 # chg from dispute/sum ever	Cont
4	R4CONDEF	R4CONDEF:W4 # chg from dispute/sum ever	Cont
5	R5CONDEF	R5CONDEF:W5 # chg from dispute/sum ever	Cont
6	R6CONDEF	R6CONDEF:W6 # chg from dispute/sum ever	Cont
7	R7CONDEF	R7CONDEF:W7 # chg from dispute/sum ever	Cont
8	R8CONDEF	R8CONDEF:W8 # chg from dispute/sum ever	Cont
9	R9CONDEF	R9CONDEF:W9 # chg from dispute/sum ever	Cont
10	R10CONDEF	R10CONDEF:W10 # chg from dispute/sum ever	Cont
11	R11CONDEF	R11CONDEF:W11 # chg from dispute/sum ever	Cont
12	R12CONDEF	R12CONDEF:W12 # chg from dispute/sum ever	Cont
13	R13CONDEF	R13CONDEF:W13 # chg from dispute/sum ever	Cont
1	S1CONDEF	S1CONDEF:W1 # chg from dispute/sum ever	Cont
2	S2CONDEF	S2CONDEF:W2 # chg from dispute/sum ever	Cont
3	S3CONDEF	S3CONDEF:W3 # chg from dispute/sum ever	Cont
4	S4CONDEF	S4CONDEF:W4 # chg from dispute/sum ever	Cont

5	S5CONDEF	S5CONDEF:W5 # chg from dispute/sum ever	Cont
6	S6CONDEF	S6CONDEF:W6 # chg from dispute/sum ever	Cont
7	S7CONDEF	S7CONDEF:W7 # chg from dispute/sum ever	Cont
8	S8CONDEF	S8CONDEF:W8 # chg from dispute/sum ever	Cont
9	S9CONDEF	S9CONDEF:W9 # chg from dispute/sum ever	Cont
10	S10CONDEF	S10CONDEF:W10 # chg from dispute/sum ever	Cont
11	S11CONDEF	S11CONDEF:W11 # chg from dispute/sum ever	Cont
12	S12CONDEF	S12CONDEF:W12 # chg from dispute/sum ever	Cont
13	S13CONDEF	S13CONDEF:W13 # chg from dispute/sum ever	Cont
1	R1CONDEM	R1CONDEM:W1 # missings in sum cond ever	Cont
2	R2CONDEM	R2CONDEM:W2 # missings in sum cond ever	Cont
3	R3CONDEM	R3CONDEM:W3 # missings in sum cond ever	Cont
4	R4CONDEM	R4CONDEM:W4 # missings in sum cond ever	Cont
5	R5CONDEM	R5CONDEM:W5 # missings in sum cond ever	Cont
6	R6CONDEM	R6CONDEM:W6 # missings in sum cond ever	Cont
7	R7CONDEM	R7CONDEM:W7 # missings in sum cond ever	Cont
8	R8CONDEM	R8CONDEM:W8 # missings in sum cond ever	Cont
9	R9CONDEM	R9CONDEM:W9 # missings in sum cond ever	Cont
10	R10CONDEM	R10CONDEM:W10 # missings in sum cond ever	Cont
11	R11CONDEM	R11CONDEM:W11 # missings in sum cond ever	Cont
12	R12CONDEM	R12CONDEM:W12 # missings in sum cond ever	Cont
13	R13CONDEM	R13CONDEM:W13 # missings in sum cond ever	Cont
1	S1CONDEM	S1CONDEM:W1 # missings in sum cond ever	Cont
2	S2CONDEM	S2CONDEM:W2 # missings in sum cond ever	Cont
3	S3CONDEM	S3CONDEM:W3 # missings in sum cond ever	Cont
4	S4CONDEM	S4CONDEM:W4 # missings in sum cond ever	Cont
5	S5CONDEM	S5CONDEM:W5 # missings in sum cond ever	Cont
6	S6CONDEM	S6CONDEM:W6 # missings in sum cond ever	Cont
7	S7CONDEM	S7CONDEM:W7 # missings in sum cond ever	Cont
8	S8CONDEM	S8CONDEM:W8 # missings in sum cond ever	Cont
9	S9CONDEM	S9CONDEM:W9 # missings in sum cond ever	Cont
10	S10CONDEM	S10CONDEM:W10 # missings in sum cond ever	Cont
11	S11CONDEM	S11CONDEM:W11 # missings in sum cond ever	Cont
12	S12CONDEM	S12CONDEM:W12 # missings in sum cond ever	Cont
13	S13CONDEM	S13CONDEM:W13 # missings in sum cond ever	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIBPE	12652	0.33	0.47	0.0	1.0
R2HIBPE	19630	0.40	0.49	0.0	1.0
R3HIBPE	17975	0.42	0.49	0.0	1.0
R4HIBPE	21362	0.43	0.49	0.0	1.0
R5HIBPE	19558	0.46	0.50	0.0	1.0
R6HIBPE	18143	0.50	0.50	0.0	1.0
R7HIBPE	20101	0.51	0.50	0.0	1.0
R8HIBPE	18441	0.55	0.50	0.0	1.0
R9HIBPE	17183	0.58	0.49	0.0	1.0
R10HIBPE	21991	0.57	0.50	0.0	1.0
R11HIBPE	20509	0.60	0.49	0.0	1.0
R12HIBPE	18701	0.62	0.49	0.0	1.0
R13HIBPE	20863	0.60	0.49	0.0	1.0
S1HIBPE	9900	0.31	0.46	0.0	1.0
S2HIBPE	13086	0.37	0.48	0.0	1.0
S3HIBPE	11910	0.39	0.49	0.0	1.0
S4HIBPE	13970	0.40	0.49	0.0	1.0
S5HIBPE	12722	0.43	0.50	0.0	1.0
S6HIBPE	11628	0.48	0.50	0.0	1.0
S7HIBPE	12963	0.47	0.50	0.0	1.0

S8HIBPE	11727	0.52	0.50	0.0	1.0
S9HIBPE	10631	0.55	0.50	0.0	1.0
S10HIBPE	13494	0.53	0.50	0.0	1.0
S11HIBPE	12462	0.56	0.50	0.0	1.0
S12HIBPE	10987	0.58	0.49	0.0	1.0
S13HIBPE	11753	0.57	0.50	0.0	1.0
R1HIBPF	12652	0.53	1.58	0.0	6.0
R2HIBPF	19642	0.50	1.58	0.0	6.0
R3HIBPF	17991	0.49	1.47	0.0	6.0
R4HIBPF	21384	0.40	1.36	0.0	6.0
R5HIBPF	19578	0.37	1.32	0.0	8.0
R6HIBPF	18165	0.41	1.52	0.0	10.0
R7HIBPF	20129	0.37	1.42	0.0	10.0
R8HIBPF	18469	0.35	1.40	0.0	10.0
R9HIBPF	17217	0.30	1.31	0.0	10.0
R10HIBPF	22034	0.25	1.23	0.0	10.0
R11HIBPF	20554	0.21	1.11	0.0	10.0
R12HIBPF	18747	0.15	0.98	0.0	10.0
R13HIBPF	20912	0.08	0.71	0.0	10.0
S1HIBPF	9900	0.52	1.57	0.0	6.0
S2HIBPF	13090	0.51	1.57	0.0	6.0
S3HIBPF	11917	0.47	1.44	0.0	6.0
S4HIBPF	13980	0.40	1.35	0.0	6.0
S5HIBPF	12730	0.37	1.32	0.0	8.0
S6HIBPF	11639	0.40	1.46	0.0	10.0
S7HIBPF	12972	0.34	1.35	0.0	10.0
S8HIBPF	11735	0.33	1.38	0.0	10.0
S9HIBPF	10646	0.28	1.25	0.0	10.0
S10HIBPF	13513	0.25	1.21	0.0	10.0
S11HIBPF	12488	0.21	1.11	0.0	10.0
S12HIBPF	11012	0.15	0.95	0.0	10.0
S13HIBPF	11779	0.07	0.67	0.0	10.0
R1DIABE	12652	0.09	0.29	0.0	1.0
R2DIABE	19632	0.12	0.32	0.0	1.0
R3DIABE	17971	0.13	0.33	0.0	1.0
R4DIABE	21361	0.13	0.34	0.0	1.0
R5DIABE	19555	0.14	0.35	0.0	1.0
R6DIABE	18143	0.17	0.37	0.0	1.0
R7DIABE	20100	0.17	0.38	0.0	1.0
R8DIABE	18435	0.19	0.39	0.0	1.0
R9DIABE	17186	0.21	0.41	0.0	1.0
R10DIABE	21995	0.22	0.41	0.0	1.0
R11DIABE	20516	0.24	0.42	0.0	1.0
R12DIABE	18709	0.25	0.44	0.0	1.0
R13DIABE	20866	0.27	0.44	0.0	1.0
S1DIABE	9900	0.09	0.28	0.0	1.0
S2DIABE	13087	0.11	0.31	0.0	1.0
S3DIABE	11909	0.12	0.32	0.0	1.0
S4DIABE	13972	0.12	0.33	0.0	1.0
S5DIABE	12719	0.14	0.34	0.0	1.0
S6DIABE	11627	0.16	0.37	0.0	1.0
S7DIABE	12958	0.16	0.37	0.0	1.0
S8DIABE	11720	0.18	0.39	0.0	1.0
S9DIABE	10633	0.20	0.40	0.0	1.0
S10DIABE	13501	0.21	0.41	0.0	1.0

S11DIABE	12472	0.23	0.42	0.0	1.0
S12DIABE	10999	0.25	0.43	0.0	1.0
S13DIABE	11761	0.26	0.44	0.0	1.0
R1DIABF	12652	0.23	1.02	0.0	6.0
R2DIABF	19642	0.19	0.96	0.0	6.0
R3DIABF	17991	0.19	0.91	0.0	6.0
R4DIABF	21384	0.17	0.88	0.0	6.0
R5DIABF	19578	0.17	0.87	0.0	8.0
R6DIABF	18165	0.18	0.97	0.0	10.0
R7DIABF	20129	0.17	0.92	0.0	10.0
R8DIABF	18469	0.17	0.93	0.0	10.0
R9DIABF	17217	0.15	0.89	0.0	10.0
R10DIABF	22034	0.14	0.89	0.0	10.0
R11DIABF	20554	0.12	0.80	0.0	10.0
R12DIABF	18747	0.08	0.69	0.0	10.0
R13DIABF	20912	0.04	0.45	0.0	10.0
S1DIABF	9900	0.23	1.01	0.0	6.0
S2DIABF	13090	0.20	0.99	0.0	6.0
S3DIABF	11917	0.19	0.92	0.0	6.0
S4DIABF	13980	0.18	0.89	0.0	6.0
S5DIABF	12730	0.17	0.87	0.0	8.0
S6DIABF	11639	0.18	0.95	0.0	10.0
S7DIABF	12972	0.17	0.92	0.0	10.0
S8DIABF	11735	0.16	0.92	0.0	10.0
S9DIABF	10646	0.14	0.86	0.0	10.0
S10DIABF	13513	0.13	0.87	0.0	10.0
S11DIABF	12488	0.11	0.76	0.0	10.0
S12DIABF	11012	0.07	0.63	0.0	10.0
S13DIABF	11779	0.03	0.43	0.0	10.0
R1CANCRE	12652	0.05	0.21	0.0	1.0
R2CANCRE	19631	0.08	0.28	0.0	1.0
R3CANCRE	17971	0.10	0.29	0.0	1.0
R4CANCRE	21358	0.10	0.30	0.0	1.0
R5CANCRE	19545	0.11	0.32	0.0	1.0
R6CANCRE	18133	0.13	0.33	0.0	1.0
R7CANCRE	20089	0.13	0.33	0.0	1.0
R8CANCRE	18424	0.14	0.35	0.0	1.0
R9CANCRE	17173	0.15	0.36	0.0	1.0
R10CANCRE	21981	0.14	0.34	0.0	1.0
R11CANCRE	20502	0.15	0.36	0.0	1.0
R12CANCRE	18695	0.16	0.36	0.0	1.0
R13CANCRE	20856	0.15	0.35	0.0	1.0
S1CANCRE	9900	0.05	0.21	0.0	1.0
S2CANCRE	13084	0.08	0.27	0.0	1.0
S3CANCRE	11904	0.09	0.28	0.0	1.0
S4CANCRE	13967	0.10	0.29	0.0	1.0
S5CANCRE	12715	0.11	0.31	0.0	1.0
S6CANCRE	11621	0.12	0.33	0.0	1.0
S7CANCRE	12951	0.12	0.32	0.0	1.0
S8CANCRE	11713	0.13	0.34	0.0	1.0
S9CANCRE	10624	0.15	0.35	0.0	1.0
S10CANCRE	13490	0.13	0.34	0.0	1.0
S11CANCRE	12461	0.14	0.35	0.0	1.0
S12CANCRE	10989	0.15	0.36	0.0	1.0
S13CANCRE	11755	0.14	0.35	0.0	1.0

R1CANCERF	12652	0.10	0.71	0.0	6.0
R2CANCERF	19642	0.11	0.76	0.0	6.0
R3CANCERF	17991	0.11	0.74	0.0	6.0
R4CANCERF	21384	0.10	0.69	0.0	6.0
R5CANCERF	19578	0.09	0.67	0.0	8.0
R6CANCERF	18165	0.11	0.79	0.0	10.0
R7CANCERF	20129	0.09	0.74	0.0	10.0
R8CANCERF	18469	0.09	0.77	0.0	10.0
R9CANCERF	17217	0.08	0.71	0.0	10.0
R10CANCERF	22034	0.07	0.67	0.0	10.0
R11CANCERF	20554	0.06	0.62	0.0	10.0
R12CANCERF	18747	0.04	0.53	0.0	10.0
R13CANCERF	20912	0.02	0.37	0.0	10.0
S1CANCERF	9900	0.10	0.70	0.0	6.0
S2CANCERF	13090	0.11	0.75	0.0	6.0
S3CANCERF	11917	0.11	0.72	0.0	6.0
S4CANCERF	13980	0.09	0.67	0.0	6.0
S5CANCERF	12730	0.09	0.65	0.0	8.0
S6CANCERF	11639	0.10	0.76	0.0	10.0
S7CANCERF	12972	0.08	0.66	0.0	10.0
S8CANCERF	11735	0.08	0.72	0.0	10.0
S9CANCERF	10646	0.07	0.65	0.0	10.0
S10CANCERF	13513	0.06	0.63	0.0	10.0
S11CANCERF	12488	0.05	0.59	0.0	10.0
S12CANCERF	11012	0.03	0.46	0.0	10.0
S13CANCERF	11779	0.02	0.34	0.0	10.0
R1LUNGE	12652	0.05	0.22	0.0	1.0
R2LUNGE	19634	0.07	0.26	0.0	1.0
R3LUNGE	17983	0.07	0.26	0.0	1.0
R4LUNGE	21372	0.07	0.25	0.0	1.0
R5LUNGE	19563	0.07	0.26	0.0	1.0
R6LUNGE	18145	0.08	0.27	0.0	1.0
R7LUNGE	20107	0.08	0.27	0.0	1.0
R8LUNGE	18437	0.09	0.29	0.0	1.0
R9LUNGE	17188	0.10	0.30	0.0	1.0
R10LUNGE	22005	0.09	0.29	0.0	1.0
R11LUNGE	20531	0.10	0.30	0.0	1.0
R12LUNGE	18721	0.11	0.31	0.0	1.0
R13LUNGE	20875	0.11	0.31	0.0	1.0
S1LUNGE	9900	0.05	0.22	0.0	1.0
S2LUNGE	13085	0.06	0.25	0.0	1.0
S3LUNGE	11911	0.06	0.25	0.0	1.0
S4LUNGE	13972	0.06	0.24	0.0	1.0
S5LUNGE	12722	0.07	0.25	0.0	1.0
S6LUNGE	11626	0.07	0.25	0.0	1.0
S7LUNGE	12961	0.07	0.25	0.0	1.0
S8LUNGE	11720	0.08	0.27	0.0	1.0
S9LUNGE	10633	0.08	0.28	0.0	1.0
S10LUNGE	13504	0.08	0.27	0.0	1.0
S11LUNGE	12478	0.08	0.28	0.0	1.0
S12LUNGE	11002	0.09	0.28	0.0	1.0
S13LUNGE	11764	0.09	0.28	0.0	1.0
R1LUNGF	12652	0.30	1.21	0.0	6.0
R2LUNGF	19642	0.29	1.22	0.0	6.0

R3LUNGF	17991	0.28	1.15	0.0	6.0
R4LUNGF	21384	0.23	1.04	0.0	6.0
R5LUNGF	19578	0.20	0.98	0.0	8.0
R6LUNGF	18165	0.21	1.08	0.0	10.0
R7LUNGF	20129	0.19	1.03	0.0	10.0
R8LUNGF	18469	0.18	1.00	0.0	10.0
R9LUNGF	17217	0.15	0.94	0.0	10.0
R10LUNGF	22034	0.12	0.85	0.0	10.0
R11LUNGF	20554	0.10	0.75	0.0	10.0
R12LUNGF	18747	0.07	0.68	0.0	10.0
R13LUNGF	20912	0.04	0.51	0.0	10.0
S1LUNGF	9900	0.28	1.17	0.0	6.0
S2LUNGF	13090	0.29	1.21	0.0	6.0
S3LUNGF	11917	0.28	1.15	0.0	6.0
S4LUNGF	13980	0.22	1.03	0.0	6.0
S5LUNGF	12730	0.20	0.97	0.0	8.0
S6LUNGF	11639	0.20	1.04	0.0	10.0
S7LUNGF	12972	0.17	0.94	0.0	10.0
S8LUNGF	11735	0.15	0.95	0.0	10.0
S9LUNGF	10646	0.13	0.88	0.0	10.0
S10LUNGF	13513	0.10	0.75	0.0	10.0
S11LUNGF	12488	0.08	0.68	0.0	10.0
S12LUNGF	11012	0.07	0.66	0.0	10.0
S13LUNGF	11779	0.04	0.54	0.0	10.0
R1HEARTE	12652	0.11	0.31	0.0	1.0
R2HEARTE	19633	0.18	0.39	0.0	1.0
R3HEARTE	17983	0.20	0.40	0.0	1.0
R4HEARTE	21369	0.20	0.40	0.0	1.0
R5HEARTE	19566	0.21	0.41	0.0	1.0
R6HEARTE	18147	0.23	0.42	0.0	1.0
R7HEARTE	20101	0.22	0.42	0.0	1.0
R8HEARTE	18435	0.24	0.43	0.0	1.0
R9HEARTE	17187	0.25	0.43	0.0	1.0
R10HEARTE	22002	0.22	0.42	0.0	1.0
R11HEARTE	20524	0.24	0.43	0.0	1.0
R12HEARTE	18702	0.25	0.43	0.0	1.0
R13HEARTE	20872	0.23	0.42	0.0	1.0
S1HEARTE	9900	0.10	0.31	0.0	1.0
S2HEARTE	13087	0.17	0.37	0.0	1.0
S3HEARTE	11915	0.18	0.39	0.0	1.0
S4HEARTE	13974	0.18	0.39	0.0	1.0
S5HEARTE	12723	0.19	0.40	0.0	1.0
S6HEARTE	11628	0.21	0.41	0.0	1.0
S7HEARTE	12958	0.20	0.40	0.0	1.0
S8HEARTE	11722	0.22	0.42	0.0	1.0
S9HEARTE	10633	0.24	0.42	0.0	1.0
S10HEARTE	13499	0.21	0.41	0.0	1.0
S11HEARTE	12473	0.22	0.42	0.0	1.0
S12HEARTE	10991	0.24	0.42	0.0	1.0
S13HEARTE	11761	0.22	0.41	0.0	1.0
R1HEARTF	12652	0.32	1.21	0.0	6.0
R2HEARTF	19642	0.33	1.28	0.0	6.0
R3HEARTF	17991	0.32	1.22	0.0	6.0
R4HEARTF	21384	0.28	1.14	0.0	6.0
R5HEARTF	19578	0.27	1.13	0.0	8.0

R6HEARTF	18165	0.31	1.34	0.0	10.0
R7HEARTF	20129	0.29	1.29	0.0	10.0
R8HEARTF	18469	0.27	1.24	0.0	10.0
R9HEARTF	17217	0.24	1.18	0.0	10.0
R10HEARTF	22034	0.18	1.07	0.0	10.0
R11HEARTF	20554	0.15	0.95	0.0	10.0
R12HEARTF	18747	0.10	0.81	0.0	10.0
R13HEARTF	20912	0.05	0.57	0.0	10.0
S1HEARTF	9900	0.31	1.21	0.0	6.0
S2HEARTF	13090	0.34	1.28	0.0	6.0
S3HEARTF	11917	0.33	1.23	0.0	6.0
S4HEARTF	13980	0.28	1.14	0.0	6.0
S5HEARTF	12730	0.26	1.12	0.0	8.0
S6HEARTF	11639	0.29	1.27	0.0	10.0
S7HEARTF	12972	0.25	1.20	0.0	10.0
S8HEARTF	11735	0.22	1.13	0.0	10.0
S9HEARTF	10646	0.21	1.10	0.0	10.0
S10HEARTF	13513	0.15	0.96	0.0	10.0
S11HEARTF	12488	0.12	0.87	0.0	10.0
S12HEARTF	11012	0.08	0.72	0.0	10.0
S13HEARTF	11779	0.04	0.53	0.0	10.0
R1STROKE	12652	0.03	0.16	0.0	1.0
R2STROKE	19638	0.06	0.23	0.0	1.0
R3STROKE	17982	0.07	0.25	0.0	1.0
R4STROKE	21372	0.07	0.26	0.0	1.0
R5STROKE	19567	0.08	0.27	0.0	1.0
R6STROKE	18149	0.09	0.28	0.0	1.0
R7STROKE	20114	0.08	0.27	0.0	1.0
R8STROKE	18445	0.09	0.28	0.0	1.0
R9STROKE	17195	0.10	0.29	0.0	1.0
R10STROKE	22012	0.08	0.28	0.0	1.0
R11STROKE	20533	0.09	0.29	0.0	1.0
R12STROKE	18715	0.10	0.29	0.0	1.0
R13STROKE	20888	0.09	0.29	0.0	1.0
S1STROKE	9900	0.03	0.16	0.0	1.0
S2STROKE	13088	0.05	0.21	0.0	1.0
S3STROKE	11912	0.06	0.23	0.0	1.0
S4STROKE	13974	0.06	0.23	0.0	1.0
S5STROKE	12724	0.06	0.25	0.0	1.0
S6STROKE	11631	0.07	0.25	0.0	1.0
S7STROKE	12964	0.06	0.24	0.0	1.0
S8STROKE	11723	0.07	0.26	0.0	1.0
S9STROKE	10635	0.08	0.27	0.0	1.0
S10STROKE	13499	0.07	0.25	0.0	1.0
S11STROKE	12476	0.07	0.26	0.0	1.0
S12STROKE	10998	0.08	0.27	0.0	1.0
S13STROKE	11770	0.07	0.26	0.0	1.0
R1STROKF	12652	0.07	0.58	0.0	6.0
R2STROKF	19642	0.08	0.62	0.0	6.0
R3STROKF	17991	0.08	0.60	0.0	6.0
R4STROKF	21384	0.06	0.53	0.0	6.0
R5STROKF	19578	0.05	0.50	0.0	8.0
R6STROKF	18165	0.08	0.72	0.0	10.0
R7STROKF	20129	0.07	0.69	0.0	10.0
R8STROKF	18469	0.07	0.69	0.0	10.0

R9STROKF	17217	0.07	0.67	0.0	10.0
R10STROKF	22034	0.06	0.64	0.0	10.0
R11STROKF	20554	0.05	0.56	0.0	10.0
R12STROKF	18747	0.03	0.49	0.0	10.0
R13STROKF	20912	0.02	0.44	0.0	10.0
S1STROKF	9900	0.06	0.54	0.0	6.0
S2STROKF	13090	0.07	0.60	0.0	6.0
S3STROKF	11917	0.07	0.58	0.0	6.0
S4STROKF	13980	0.06	0.52	0.0	6.0
S5STROKF	12730	0.05	0.48	0.0	8.0
S6STROKF	11639	0.06	0.60	0.0	10.0
S7STROKF	12972	0.05	0.53	0.0	10.0
S8STROKF	11735	0.05	0.57	0.0	10.0
S9STROKF	10646	0.05	0.60	0.0	10.0
S10STROKF	13513	0.05	0.56	0.0	10.0
S11STROKF	12488	0.04	0.49	0.0	10.0
S12STROKF	11012	0.03	0.42	0.0	10.0
S13STROKF	11779	0.01	0.30	0.0	10.0
R1PSYCHE	12652	0.07	0.25	0.0	1.0
R2PSYCHE	19637	0.08	0.27	0.0	1.0
R3PSYCHE	17981	0.09	0.29	0.0	1.0
R4PSYCHE	21371	0.10	0.30	0.0	1.0
R5PSYCHE	19566	0.11	0.31	0.0	1.0
R6PSYCHE	18151	0.13	0.33	0.0	1.0
R7PSYCHE	20095	0.14	0.34	0.0	1.0
R8PSYCHE	18439	0.16	0.36	0.0	1.0
R9PSYCHE	17186	0.17	0.37	0.0	1.0
R10PSYCHE	21993	0.17	0.38	0.0	1.0
R11PSYCHE	20514	0.19	0.39	0.0	1.0
R12PSYCHE	18705	0.20	0.40	0.0	1.0
R13PSYCHE	20874	0.21	0.41	0.0	1.0
S1PSYCHE	9900	0.06	0.23	0.0	1.0
S2PSYCHE	13086	0.07	0.25	0.0	1.0
S3PSYCHE	11913	0.08	0.27	0.0	1.0
S4PSYCHE	13972	0.08	0.28	0.0	1.0
S5PSYCHE	12723	0.09	0.29	0.0	1.0
S6PSYCHE	11632	0.11	0.31	0.0	1.0
S7PSYCHE	12951	0.11	0.32	0.0	1.0
S8PSYCHE	11718	0.13	0.34	0.0	1.0
S9PSYCHE	10628	0.14	0.35	0.0	1.0
S10PSYCHE	13495	0.15	0.35	0.0	1.0
S11PSYCHE	12469	0.16	0.37	0.0	1.0
S12PSYCHE	10993	0.17	0.37	0.0	1.0
S13PSYCHE	11764	0.18	0.38	0.0	1.0
R1PSYCHF	12652	0.47	1.47	0.0	6.0
R2PSYCHF	19642	0.46	1.51	0.0	6.0
R3PSYCHF	17991	0.45	1.44	0.0	6.0
R4PSYCHF	21384	0.38	1.35	0.0	6.0
R5PSYCHF	19578	0.35	1.30	0.0	8.0
R6PSYCHF	18165	0.37	1.44	0.0	10.0
R7PSYCHF	20129	0.33	1.37	0.0	10.0
R8PSYCHF	18469	0.30	1.33	0.0	10.0
R9PSYCHF	17217	0.28	1.29	0.0	10.0
R10PSYCHF	22034	0.20	1.13	0.0	10.0
R11PSYCHF	20554	0.18	1.09	0.0	10.0

R12PSYCHF	18747	0.12	0.90	0.0	10.0
R13PSYCHF	20912	0.07	0.72	0.0	10.0
S1PSYCHF	9900	0.44	1.42	0.0	6.0
S2PSYCHF	13090	0.45	1.48	0.0	6.0
S3PSYCHF	11917	0.43	1.41	0.0	6.0
S4PSYCHF	13980	0.36	1.31	0.0	6.0
S5PSYCHF	12730	0.32	1.25	0.0	8.0
S6PSYCHF	11639	0.33	1.35	0.0	10.0
S7PSYCHF	12972	0.28	1.25	0.0	10.0
S8PSYCHF	11735	0.25	1.20	0.0	10.0
S9PSYCHF	10646	0.22	1.16	0.0	10.0
S10PSYCHF	13513	0.17	1.02	0.0	10.0
S11PSYCHF	12488	0.15	0.98	0.0	10.0
S12PSYCHF	11012	0.10	0.80	0.0	10.0
S13PSYCHF	11779	0.05	0.64	0.0	10.0
R1ARTHRE	12652	0.33	0.47	0.0	1.0
R2ARTHRE	19633	0.33	0.47	0.0	1.0
R3ARTHRE	17982	0.46	0.50	0.0	1.0
R4ARTHRE	21366	0.48	0.50	0.0	1.0
R5ARTHRE	19562	0.52	0.50	0.0	1.0
R6ARTHRE	18136	0.56	0.50	0.0	1.0
R7ARTHRE	20098	0.54	0.50	0.0	1.0
R8ARTHRE	18451	0.57	0.49	0.0	1.0
R9ARTHRE	17194	0.60	0.49	0.0	1.0
R10ARTHRE	22000	0.53	0.50	0.0	1.0
R11ARTHRE	20526	0.57	0.50	0.0	1.0
R12ARTHRE	18715	0.59	0.49	0.0	1.0
R13ARTHRE	20884	0.55	0.50	0.0	1.0
S1ARTHRE	9900	0.31	0.46	0.0	1.0
S2ARTHRE	13086	0.31	0.46	0.0	1.0
S3ARTHRE	11912	0.42	0.49	0.0	1.0
S4ARTHRE	13970	0.44	0.50	0.0	1.0
S5ARTHRE	12719	0.48	0.50	0.0	1.0
S6ARTHRE	11619	0.53	0.50	0.0	1.0
S7ARTHRE	12952	0.50	0.50	0.0	1.0
S8ARTHRE	11724	0.54	0.50	0.0	1.0
S9ARTHRE	10633	0.56	0.50	0.0	1.0
S10ARTHRE	13494	0.50	0.50	0.0	1.0
S11ARTHRE	12473	0.53	0.50	0.0	1.0
S12ARTHRE	10998	0.55	0.50	0.0	1.0
S13ARTHRE	11767	0.52	0.50	0.0	1.0
R1ARTHRF	12652	0.57	1.59	0.0	6.0
R2ARTHRF	19642	0.50	1.52	0.0	6.0
R3ARTHRF	17991	0.53	1.54	0.0	6.0
R4ARTHRF	21384	0.47	1.48	0.0	6.0
R5ARTHRF	19578	0.45	1.46	0.0	8.0
R6ARTHRF	18165	0.52	1.71	0.0	10.0
R7ARTHRF	20129	0.45	1.59	0.0	10.0
R8ARTHRF	18469	0.45	1.64	0.0	10.0
R9ARTHRF	17217	0.39	1.53	0.0	10.0
R10ARTHRF	22034	0.28	1.34	0.0	10.0
R11ARTHRF	20554	0.24	1.25	0.0	10.0
R12ARTHRF	18747	0.17	1.07	0.0	10.0
R13ARTHRF	20912	0.09	0.80	0.0	10.0

S1ARTHRF	9900	0.58	1.60	0.0	6.0
S2ARTHRF	13090	0.55	1.59	0.0	6.0
S3ARTHRF	11917	0.56	1.58	0.0	6.0
S4ARTHRF	13980	0.50	1.51	0.0	6.0
S5ARTHRF	12730	0.47	1.48	0.0	8.0
S6ARTHRF	11639	0.52	1.68	0.0	10.0
S7ARTHRF	12972	0.44	1.57	0.0	10.0
S8ARTHRF	11735	0.45	1.65	0.0	10.0
S9ARTHRF	10646	0.38	1.49	0.0	10.0
S10ARTHRF	13513	0.28	1.33	0.0	10.0
S11ARTHRF	12488	0.23	1.22	0.0	10.0
S12ARTHRF	11012	0.16	1.05	0.0	10.0
S13ARTHRF	11779	0.08	0.75	0.0	10.0
R13SLEEPE	20881	0.15	0.36	0.0	1.0
S13SLEEPE	11766	0.15	0.36	0.0	1.0
R1CONDE	12652	1.05	1.13	0.0	7.0
R2CONDE	19642	1.31	1.22	0.0	7.0
R3CONDE	17991	1.53	1.31	0.0	8.0
R4CONDE	21383	1.58	1.34	0.0	8.0
R5CONDE	19577	1.72	1.37	0.0	8.0
R6CONDE	18163	1.88	1.41	0.0	8.0
R7CONDE	20128	1.86	1.44	0.0	8.0
R8CONDE	18468	2.03	1.46	0.0	8.0
R9CONDE	17214	2.16	1.48	0.0	8.0
R10CONDE	22031	2.02	1.51	0.0	8.0
R11CONDE	20553	2.16	1.54	0.0	8.0
R12CONDE	18746	2.27	1.55	0.0	8.0
R13CONDE	20911	2.21	1.58	0.0	8.0
S1CONDE	9900	1.00	1.09	0.0	7.0
S2CONDE	13090	1.21	1.17	0.0	7.0
S3CONDE	11917	1.40	1.26	0.0	7.0
S4CONDE	13980	1.45	1.28	0.0	8.0
S5CONDE	12729	1.58	1.32	0.0	8.0
S6CONDE	11637	1.74	1.35	0.0	8.0
S7CONDE	12972	1.70	1.38	0.0	8.0
S8CONDE	11734	1.87	1.41	0.0	8.0
S9CONDE	10643	2.00	1.43	0.0	8.0
S10CONDE	13510	1.87	1.47	0.0	8.0
S11CONDE	12487	2.00	1.49	0.0	8.0
S12CONDE	11011	2.09	1.50	0.0	8.0
S13CONDE	11778	2.04	1.52	0.0	8.0
R1CONDEF	12652	0.23	0.51	0.0	5.0
R2CONDEF	19642	0.27	0.56	0.0	6.0
R3CONDEF	17991	0.34	0.64	0.0	6.0
R4CONDEF	21384	0.27	0.56	0.0	6.0
R5CONDEF	19578	0.26	0.54	0.0	6.0
R6CONDEF	18165	0.24	0.53	0.0	5.0
R7CONDEF	20129	0.23	0.52	0.0	5.0
R8CONDEF	18469	0.23	0.52	0.0	5.0
R9CONDEF	17217	0.22	0.50	0.0	6.0
R10CONDEF	22034	0.17	0.45	0.0	6.0
R11CONDEF	20554	0.16	0.43	0.0	5.0
R12CONDEF	18747	0.12	0.37	0.0	4.0
R13CONDEF	20912	0.06	0.26	0.0	4.0

S1CONDEF	9900	0.22	0.50	0.0	5.0
S2CONDEF	13090	0.26	0.55	0.0	5.0
S3CONDEF	11917	0.33	0.62	0.0	5.0
S4CONDEF	13980	0.26	0.54	0.0	5.0
S5CONDEF	12730	0.24	0.53	0.0	5.0
S6CONDEF	11639	0.23	0.51	0.0	4.0
S7CONDEF	12972	0.21	0.49	0.0	4.0
S8CONDEF	11735	0.21	0.48	0.0	5.0
S9CONDEF	10646	0.19	0.47	0.0	4.0
S10CONDEF	13513	0.15	0.42	0.0	4.0
S11CONDEF	12488	0.14	0.40	0.0	4.0
S12CONDEF	11012	0.10	0.35	0.0	4.0
S13CONDEF	11779	0.05	0.24	0.0	4.0
R1CONDEM	12652	0.00	0.00	0.0	0.0
R2CONDEM	19642	0.00	0.07	0.0	3.0
R3CONDEM	17991	0.01	0.12	0.0	7.0
R4CONDEM	21384	0.01	0.13	0.0	8.0
R5CONDEM	19578	0.01	0.14	0.0	8.0
R6CONDEM	18165	0.01	0.17	0.0	8.0
R7CONDEM	20129	0.01	0.17	0.0	8.0
R8CONDEM	18469	0.01	0.18	0.0	8.0
R9CONDEM	17217	0.01	0.19	0.0	8.0
R10CONDEM	22034	0.01	0.18	0.0	8.0
R11CONDEM	20554	0.01	0.17	0.0	8.0
R12CONDEM	18747	0.02	0.19	0.0	8.0
R13CONDEM	20912	0.02	0.18	0.0	8.0
S1CONDEM	9900	0.00	0.00	0.0	0.0
S2CONDEM	13090	0.00	0.05	0.0	2.0
S3CONDEM	11917	0.00	0.10	0.0	7.0
S4CONDEM	13980	0.00	0.12	0.0	7.0
S5CONDEM	12730	0.01	0.13	0.0	8.0
S6CONDEM	11639	0.01	0.17	0.0	8.0
S7CONDEM	12972	0.01	0.14	0.0	6.0
S8CONDEM	11735	0.01	0.16	0.0	8.0
S9CONDEM	10646	0.01	0.17	0.0	8.0
S10CONDEM	13513	0.01	0.15	0.0	8.0
S11CONDEM	12488	0.01	0.15	0.0	8.0
S12CONDEM	11012	0.01	0.15	0.0	8.0
S13CONDEM	11779	0.01	0.15	0.0	8.0

Categorical Variable Codes

RwHIBPE: R ever had high blood pressure

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		11	6	11	6	9	15	19	15	25
.M=Oth missing	|			10	11	12	12	11	9	15	16
.R=RF	|		1			2	1	2		4	2
0.No	|	8465	11860	10478	12204	10553	9021	9941	8321	7161	9528
1.Yes	|	4187	7770	7497	9158	9005	9122	10160	10120	10022	12463

Value		w11	w12	w13
.D=DK/NA	|	24	16	18
.M=Oth missing	|	19	28	29
.R=RF	|	2	2	2
0.No	|	8275	7098	8282
1.Yes	|	12234	11603	12581

SwHIBPE: S ever had high blood pressure

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4	3	6	2	3	3	4	6	9
.M=Oth missing	|			4	4	5	7	5	4	6	9
.R=RF	|					1	1	1		3	1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	6785	8239	7268	8370	7211	6099	6818	5686	4780	6310
1.Yes	|	3115	4847	4642	5600	5511	5529	6145	6041	5851	7184

Value		w11	w12	w13
.D=DK/NA	|	13	7	9
.M=Oth missing	|	11	17	15
.R=RF	|	2	1	2
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	5446	4604	5078
1.Yes	|	7016	6383	6675

RwHIBPF: Flag dispute chg hi BP

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	|	11319	17759	16088	19550	18027	16744	18721	17281	16246	21034
3.Disp,set to N	|			508	325	291	213	231	220	205	194
4.Disp aft,already N	|	652	702	576	705	576	440	400	268	165	130
5.Disp aft,.->N	|					1		2	1		
6.Disp aft,Y->N	|	681	1181	819	804	676	634	664	586	516	569
8.Disp prev wv,but now Y	|					7	5	4	5	9	11
10.NewR=not ever,but PrvR=Y	|						129	107	108	76	96

Value		w11	w12	w13
0.No dispute,no change	|	19751	18220	20571
3.Disp,set to N	|	264	193	254
4.Disp aft,already N	|	59	2	
5.Disp aft,.->N	|			
6.Disp aft,Y->N	|	389	253	
8.Disp prev wv,but now Y	|	10	13	11
10.NewR=not ever,but PrvR=Y	|	81	66	76

SwHIBPF: Flag dispute chg hi BP

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No dispute,no change	|	8872	11821	10693	12799	11721	10741	12104	11004	10089	12917
3.Disp,set to N	|			324	181	168	136	136	121	111	105
4.Disp aft,already N	|	503	497	404	490	403	299	278	183	107	89
5.Disp aft,.->N	|					1		1			
6.Disp aft,Y->N	|	525	772	496	510	432	399	400	360	297	342
8.Disp prev wv,but now Y	|					5	1	3	3	6	5
10.NewR=not ever,but PrvR=Y	|						63	50	64	36	55

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No dispute,no change	|	12002	10718	11600
3.Disp,set to N	|	155	105	136
4.Disp aft,already N	|	41	2	
5.Disp aft,.->N	|			
6.Disp aft,Y->N	|	233	144	
8.Disp prev wv,but now Y	|	4	10	6
10.NewR=not ever,but PrvR=Y	|	53	33	37

RwDIABE: R ever had diabetes

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		10	8	10	4	4	13	15	11	17
.M=Oth missing	|			10	13	15	16	13	17	17	19
.R=RF	|			2		4	2	3	2	3	3
0.No	|	11452	17370	15693	18542	16734	15125	16665	14896	13593	17243
1.Yes	|	1200	2262	2278	2819	2821	3018	3435	3539	3593	4752

Value		w11	w12	w13
.D=DK/NA	|	12	12	18
.M=Oth missing	|	26	25	25
.R=RF	|		1	3
0.No	|	15682	13958	15258
1.Yes	|	4834	4751	5608

SwDIABE: S ever had diabetes

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3	4	3	2	2	5	6	4	3
.M=Oth missing	|			4	5	7	9	8	8	8	8
.R=RF	|					2	1	1	1	1	1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	9019	11685	10495	12241	10963	9760	10834	9585	8490	10655
1.Yes	|	881	1402	1414	1731	1756	1867	2124	2135	2143	2846

Value		w11	w12	w13
.D=DK/NA	|	5	1	8
.M=Oth missing	|	11	11	8
.R=RF	|		1	2
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	9640	8289	8709
1.Yes	|	2832	2710	3052

RwDIABF: Flag dispute chg diabetes

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	|	12028	18858	17214	20540	18818	17467	19394	17824	16675	21428
3.Disp,set to N	|			165	105	108	68	96	104	102	107
4.Disp aft,already N	|	434	467	407	511	458	387	390	284	194	136
5.Disp aft,.->N	|				1	1	1	1		1	
6.Disp aft,Y->N	|	190	317	205	227	190	209	220	226	223	333
8.Disp prev wv,but now Y	|					3	3	5	3	3	4
10.NewR=not ever,but PrvR=Y	|						30	23	28	19	26

Value		w11	w12	w13
0.No dispute,no change	|	20051	18434	20730
3.Disp,set to N	|	192	135	150
4.Disp aft,already N	|	54	1	
5.Disp aft,.->N	|	1		
6.Disp aft,Y->N	|	227	154	
8.Disp prev wv,but now Y	|	4	1	8
10.NewR=not ever,but PrvR=Y	|	25	22	24

SwDIABF: Flag dispute chg diabetes

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No dispute,no change	|	9414	12530	11379	13411	12227	11197	12502	11338	10335	13169
3.Disp,set to N	|			112	69	64	41	61	66	56	56
4.Disp aft,already N	|	344	342	293	361	322	253	248	170	114	75
5.Disp aft,.->N	|									1	
6.Disp aft,Y->N	|	142	218	133	139	115	129	143	141	128	194
8.Disp prev wv,but now Y	|					2	3	4	1	2	3
10.NewR=not ever,but PrvR=Y	|						16	14	19	10	16

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No dispute,no change	|	12210	10855	11690
3.Disp,set to N	|	106	68	72
4.Disp aft,already N	|	30		
5.Disp aft,.->N	|	1		
6.Disp aft,Y->N	|	125	79	
8.Disp prev wv,but now Y	|	3	1	5
10.NewR=not ever,but PrvR=Y	|	13	9	12

RwCANCRE: R ever had cancer

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		8	7	10	8	5	13	12	8	17
.M=Oth missing	|			9	15	20	25	24	31	33	34
.R=RF	|		3	3	1	5	2	3	2	3	2
.T=Other	|			1							
0.No	|	12051	17993	16258	19199	17351	15804	17557	15828	14525	18977
1.Yes	|	601	1638	1713	2159	2194	2329	2532	2596	2648	3004

Value		w11	w12	w13
.D=DK/NA	|	11	14	13
.M=Oth missing	|	39	37	42
.R=RF	|	2	1	1
.T=Other	|			
0.No	|	17460	15747	17792
1.Yes	|	3042	2948	3064

SwCANCRE: S ever had cancer

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3	6	3	2	4	7	6	5	8
.M=Oth missing	|			5	9	11	12	13	15	15	13
.R=RF	|		3	1	1	2	2	1	1	2	2
.T=Other	|			1							
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	9440	12081	10847	12627	11369	10202	11404	10162	9053	11689
1.Yes	|	460	1003	1057	1340	1346	1419	1547	1551	1571	1801

Value		w11	w12	w13
.D=DK/NA	|	7	6	4
.M=Oth missing	|	20	16	19
.R=RF	|		1	1
.T=Other	|			
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	10696	9333	10099
1.Yes	|	1765	1656	1656

RwCANCERF: Flag dispute chg cancer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	12376	19202	17546	20946	19197	17809	19773	18163	16968	21777
3.Disp,set to N			88	62	68	46	62	52	58	47
4.Disp aft,already N	174	219	180	192	151	113	104	73	54	44
5.Disp aft,.->N		1	1		1	1	1			
6.Disp aft,Y->N	102	220	176	184	160	158	155	134	100	121
8.Disp prev wv,but now Y					1	3	1	2		
10.NewR=not ever,but PrvR=Y						35	33	45	37	45

Value	w11	w12	w13
0.No dispute,no change	20348	18612	20842
3.Disp,set to N	65	57	45
4.Disp aft,already N	14	1	
5.Disp aft,.->N			
6.Disp aft,Y->N	86	45	
8.Disp prev wv,but now Y	3	1	1
10.NewR=not ever,but PrvR=Y	38	31	24

SwCANCERF: Flag dispute chg cancer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
0.No dispute,no change	9683	12793	11626	13717	12491	11426	12777	11569	10512	13372
3.Disp,set to N			58	24	41	26	34	20	36	20
4.Disp aft,already N	142	160	130	121	102	74	66	42	28	27
5.Disp aft,.->N		1	1		1	1	1			
6.Disp aft,Y->N	75	136	102	118	94	90	78	80	50	72
8.Disp prev wv,but now Y					1	2	1			
10.NewR=not ever,but PrvR=Y						20	15	24	20	22

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No dispute,no change	12378	10945	11746
3.Disp,set to N	34	33	21
4.Disp aft,already N	6		
5.Disp aft,.->N			
6.Disp aft,Y->N	46	21	
8.Disp prev wv,but now Y	2		
10.NewR=not ever,but PrvR=Y	22	13	12

RwLUNGE: R ever had lung disease

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		7	1	5	6	8	6	16	6	11
.M=Oth missing	|			6	7	5	10	14	14	20	16
.R=RF	|		1	1		4	2	2	2	3	2
0.No	|	12001	18251	16700	19888	18099	16688	18493	16792	15503	20007
1.Yes	|	651	1383	1283	1484	1464	1457	1614	1645	1685	1998

Value		w11	w12	w13
.D=DK/NA	|	7	12	16
.M=Oth missing	|	15	13	20
.R=RF	|	1	1	1
0.No	|	18495	16747	18640
1.Yes	|	2036	1974	2235

SwLUNGE: S ever had lung disease

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4	1	2	2	4	2	7	4	2
.M=Oth missing	|			5	6	4	7	9	7	7	5
.R=RF	|		1			2	2		1	2	2
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	9418	12240	11145	13134	11892	10841	12076	10812	9736	12457
1.Yes	|	482	845	766	838	830	785	885	908	897	1047

Value		w11	w12	w13
.D=DK/NA	|	3	3	7
.M=Oth missing	|	7	6	8
.R=RF	|		1	
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11420	10033	10721
1.Yes	|	1058	969	1043

RwLUNGF: Flag dispute chg lung disease

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	|	11884	18554	16922	20345	18728	17429	19382	17849	16718	21551
3.Disp,set to N	|			262	206	189	89	135	123	108	91
4.Disp aft,already N	|	401	411	319	375	311	243	202	146	85	73
5.Disp aft,.->N	|		1	2	2	2	2	2	3	1	1
6.Disp aft,Y->N	|	367	676	486	456	338	355	360	300	267	274
8.Disp prev wv,but now Y	|					10	1	4	2	3	6
10.NewR=not ever,but PrvR=Y	|						46	44	46	35	38

Value		w11	w12	w13
0.No dispute,no change	|	20166	18491	20751
3.Disp,set to N	|	137	105	115
4.Disp aft,already N	|	33		
5.Disp aft,.->N	|			
6.Disp aft,Y->N	|	182	110	
8.Disp prev wv,but now Y	|	4	3	3
10.NewR=not ever,but PrvR=Y	|	32	38	43

SwLUNGF: Flag dispute chg lung disease

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No dispute,no change	|	9329	12362	11214	13306	12191	11189	12540	11391	10378	13270
3.Disp,set to N	|			155	127	101	47	85	66	54	43
4.Disp aft,already N	|	310	295	228	260	213	158	126	85	45	42
5.Disp aft,.->N	|		1	1	1	2	2	1	1	1	1
6.Disp aft,Y->N	|	261	432	319	286	219	221	202	161	148	141
8.Disp prev wv,but now Y	|					4	1	3	2	1	1
10.NewR=not ever,but PrvR=Y	|						21	15	29	19	15

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No dispute,no change	|	12299	10882	11698
3.Disp,set to N	|	59	50	51
4.Disp aft,already N	|	20		
5.Disp aft,.->N	|			
6.Disp aft,Y->N	|	93	55	
8.Disp prev wv,but now Y	|	2	2	1
10.NewR=not ever,but PrvR=Y	|	15	23	29

RwHEARTE: R ever had heart problems

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		9	1	9	2	9	13	12	7	10
.M=Oth missing	|			6	6	7	7	14	20	20	20
.R=RF	|			1		3	2	1	2	3	2
0.No	|	11312	16017	14368	17076	15382	13949	15649	14008	12858	17134
1.Yes	|	1340	3616	3615	4293	4184	4198	4452	4427	4329	4868

Value		w11	w12	w13
.D=DK/NA	|	12	21	10
.M=Oth missing	|	16	22	29
.R=RF	|	2	2	1
0.No	|	15636	13985	15980
1.Yes	|	4888	4717	4892

SwHEARTE: S ever had heart problems

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3		3	1	4	6	3	4	4
.M=Oth missing	|			2	3	4	5	8	9	7	9
.R=RF	|					2	2		1	2	1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	8868	10927	9740	11403	10249	9167	10341	9129	8126	10687
1.Yes	|	1032	2160	2175	2571	2474	2461	2617	2593	2507	2812

Value		w11	w12	w13
.D=DK/NA	|	5	9	3
.M=Oth missing	|	9	11	14
.R=RF	|	1	1	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	9691	8408	9217
1.Yes	|	2782	2583	2544

RwHEARTF: Flag dispute chg heart prob

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	|	11817	18368	16722	20132	18473	17103	19070	17548	16460	21323
3.Disp,set to N	|			266	179	160	118	142	175	183	144
4.Disp aft,already N	|	509	582	487	530	451	363	306	215	137	93
5.Disp aft,.->N	|			1	2	3	2	1	1	1	
6.Disp aft,Y->N	|	326	692	515	541	485	475	502	438	349	381
8.Disp prev wv,but now Y	|					6	3	3	2	4	2
10.NewR=not ever,but PrvR=Y	|						101	105	90	83	91

Value		w11	w12	w13
0.No dispute,no change	|	20005	18382	20692
3.Disp,set to N	|	171	145	165
4.Disp aft,already N	|	34		
5.Disp aft,.->N	|	1		
6.Disp aft,Y->N	|	272	166	
8.Disp prev wv,but now Y	|		4	4
10.NewR=not ever,but PrvR=Y	|	71	50	51

SwHEARTF: Flag dispute chg heart prob

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No dispute,no change	|	9259	12215	11072	13165	12016	11001	12357	11231	10234	13143
3.Disp,set to N	|			154	98	96	58	84	95	89	77
4.Disp aft,already N	|	387	425	353	375	315	238	186	136	84	52
5.Disp aft,.->N	|				1	2	1	1	1	1	
6.Disp aft,Y->N	|	254	450	338	341	298	289	290	230	194	199
8.Disp prev wv,but now Y	|					3	2	1	1	3	1
10.NewR=not ever,but PrvR=Y	|						50	53	41	41	41

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No dispute,no change	|	12210	10837	11676
3.Disp,set to N	|	79	71	75
4.Disp aft,already N	|	18		
5.Disp aft,.->N	|	1		
6.Disp aft,Y->N	|	146	80	
8.Disp prev wv,but now Y	|		2	4
10.NewR=not ever,but PrvR=Y	|	34	22	24

RwSTROKE: R ever had stroke

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4	3	6	1	7	5	11	6	6
.M=Oth missing	|			4	6	5	7	9	11	13	13
.R=RF	|			2		5	2	1	2	3	3
0.No	|	12315	18504	16753	19842	18010	16586	18475	16814	15555	20157
1.Yes	|	337	1134	1229	1530	1557	1563	1639	1631	1640	1855

Value		w11	w12	w13
.D=DK/NA	|	8	12	9
.M=Oth missing	|	12	17	14
.R=RF	|	1	3	1
0.No	|	18656	16927	19019
1.Yes	|	1877	1788	1869

SwSTROKE: S ever had stroke

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		2	2	2	1	1	2	5	2	3
.M=Oth missing	|			3	4	3	5	6	6	7	9
.R=RF	|					2	2		1	2	2
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	9642	12458	11240	13176	11906	10843	12138	10877	9813	12586
1.Yes	|	258	630	672	798	818	788	826	846	822	913

Value		w11	w12	w13
.D=DK/NA	|	4	3	3
.M=Oth missing	|	8	9	5
.R=RF	|		2	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11580	10156	10898
1.Yes	|	896	842	872

RwSTROKF: Flag dispute chg stroke

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	|	12457	19327	17678	21093	19342	17908	19866	18231	17020	21830
3.Disp,set to N	|			68	54	38	16	25	39	29	30
4.Disp aft,already N	|	137	186	142	143	129	115	104	71	54	33
5.Disp aft,.->N	|						1				
6.Disp aft,Y->N	|	58	129	103	94	65	75	88	82	72	89
8.Disp prev wv,but now Y	|					4	2	2	3	1	2
10.NewR=not ever,but PrvR=Y	|						48	44	43	41	50

Value		w11	w12	w13
0.No dispute,no change	|	20395	18637	20833
3.Disp,set to N	|	42	39	42
4.Disp aft,already N	|	12		
5.Disp aft,.->N	|	1		
6.Disp aft,Y->N	|	69	43	
8.Disp prev wv,but now Y	|	2	4	1
10.NewR=not ever,but PrvR=Y	|	33	24	36

SwSTROKF: Flag dispute chg stroke

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No dispute,no change	|	9768	12888	11729	13800	12593	11508	12846	11621	10553	13414
3.Disp,set to N	|			35	31	20	12	9	17	8	9
4.Disp aft,already N	|	94	122	86	90	75	64	62	41	28	20
5.Disp aft,.->N	|						1				
6.Disp aft,Y->N	|	38	80	67	59	40	36	45	41	37	49
8.Disp prev wv,but now Y	|					2	2				1
10.NewR=not ever,but PrvR=Y	|						16	10	15	20	20

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No dispute,no change	|	12408	10960	11749
3.Disp,set to N	|	23	19	21
4.Disp aft,already N	|	6		
5.Disp aft,.->N	|			
6.Disp aft,Y->N	|	37	22	
8.Disp prev wv,but now Y	|	1	2	
10.NewR=not ever,but PrvR=Y	|	13	9	9

RwPSYPHE: R ever had psych problems

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		2	4	6	4	4	13	11	7	18
.M=Oth missing	|			5	6	6	7	10	16	21	18
.R=RF	|		3	1	1	2	3	11	3	3	5
0.No	|	11816	18133	16309	19225	17389	15830	17325	15577	14316	18202
1.Yes	|	836	1504	1672	2146	2177	2321	2770	2862	2870	3791

Value		w11	w12	w13
.D=DK/NA	|	12	12	9
.M=Oth missing	|	25	23	25
.R=RF	|	3	7	4
0.No	|	16646	14941	16446
1.Yes	|	3868	3764	4428

SwPSYPHE: S ever had psych problems

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		2		4	2	1	8	7	4	6
.M=Oth missing	|			4	3	4	4	5	8	12	11
.R=RF	|		2		1	1	2	8	2	2	1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	9355	12196	10953	12801	11521	10380	11477	10181	9127	11530
1.Yes	|	545	890	960	1171	1202	1252	1474	1537	1501	1965

Value		w11	w12	w13
.D=DK/NA	|	5	4	4
.M=Oth missing	|	14	13	10
.R=RF	|		2	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	10487	9140	9703
1.Yes	|	1982	1853	2061

RwPSYCHF: Flag dispute chg psych probs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	|	11434	17920	16256	19697	18161	16914	18870	17450	16366	21256
3.Disp,set to N	|			422	287	287	171	248	194	187	157
4.Disp aft,already N	|	685	666	498	532	405	319	283	177	111	65
5.Disp aft,.->N	|		1	2				1			
6.Disp aft,Y->N	|	533	1055	813	868	718	659	609	546	445	443
8.Disp prev wv,but now Y	|					7	7	11	3	5	13
10.NewR=not ever,but PrvR=Y	|						95	107	99	103	100

Value		w11	w12	w13
0.No dispute,no change	|	19917	18339	20656
3.Disp,set to N	|	190	165	161
4.Disp aft,already N	|	21		
5.Disp aft,.->N	|			
6.Disp aft,Y->N	|	300	157	
8.Disp prev wv,but now Y	|	10	3	4
10.NewR=not ever,but PrvR=Y	|	116	83	91

SwPSYCHF: Flag dispute chg psych probs

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No dispute,no change	|	8995	11964	10811	12936	11874	10915	12273	11185	10208	13124
3.Disp,set to N	|			257	168	159	98	128	110	99	71
4.Disp aft,already N	|	532	461	345	355	272	210	179	108	66	41
5.Disp aft,.->N	|		1	1				1			
6.Disp aft,Y->N	|	373	664	503	521	422	363	339	285	223	226
8.Disp prev wv,but now Y	|					3	5	6	1	3	4
10.NewR=not ever,but PrvR=Y	|						48	46	46	47	47

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No dispute,no change	|	12173	10818	11660
3.Disp,set to N	|	85	76	77
4.Disp aft,already N	|	15		
5.Disp aft,.->N	|			
6.Disp aft,Y->N	|	156	82	
8.Disp prev wv,but now Y	|	4	3	3
10.NewR=not ever,but PrvR=Y	|	55	33	39

RwARTHRE: R ever had arthritis

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		9	2	13	7	14	15	4	7	18
.M=Oth missing	|			6	4	5	13	14	13	12	13
.R=RF	|			1	1	4	2	2	1	4	3
0.No	|	8492	13232	9755	11091	9321	7962	9239	7858	6858	10257
1.Yes	|	4160	6401	8227	10275	10241	10174	10859	10593	10336	11743

Value		w11	w12	w13
.D=DK/NA	|	11	11	14
.M=Oth missing	|	16	17	11
.R=RF	|	1	4	3
0.No	|	8893	7625	9299
1.Yes	|	11633	11090	11585

SwARTHRE: S ever had arthritis

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4	2	6	5	9	9	1	4	10
.M=Oth missing	|			3	3	4	9	10	10	7	8
.R=RF	|				1	2	2	1		2	1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	6802	8970	6862	7799	6560	5501	6456	5434	4636	6765
1.Yes	|	3098	4116	5050	6171	6159	6118	6496	6290	5997	6729

Value		w11	w12	w13
.D=DK/NA	|	5	5	4
.M=Oth missing	|	10	8	7
.R=RF	|		1	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	5847	4930	5696
1.Yes	|	6626	6068	6071

RwARTHRF: Flag dispute chg arthritis

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No dispute,no change	|	11154	17665	15986	19279	17767	16440	18479	17034	16026	20955
3.Disp,set to N	|			384	333	317	245	274	238	297	212
4.Disp aft,already N	|	886	1041	711	763	578	432	364	241	149	133
5.Disp aft,.->N	|		2	3	5	3	3	5	1		
6.Disp aft,Y->N	|	612	934	907	1004	899	869	845	748	570	562
8.Disp prev wv,but now Y	|					14	9	9	6	5	8
10.NewR=not ever,but PrvR=Y	|						167	153	201	170	164

Value		w11	w12	w13
0.No dispute,no change	|	19687	18187	20567
3.Disp,set to N	|	270	216	230
4.Disp aft,already N	|	61	1	
5.Disp aft,.->N	|		1	
6.Disp aft,Y->N	|	371	224	
8.Disp prev wv,but now Y	|	5	1	4
10.NewR=not ever,but PrvR=Y	|	160	117	111

SwARTHRF: Flag dispute chg arthritis

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No dispute,no change	|	8711	11631	10482	12527	11508	10520	11911	10820	9915	12858
3.Disp,set to N	|			278	215	203	157	162	133	183	125
4.Disp aft,already N	|	710	772	537	558	405	299	252	167	103	82
5.Disp aft,.->N	|		1	2	2	3	3	5	1		
6.Disp aft,Y->N	|	479	686	618	678	602	567	549	484	351	348
8.Disp prev wv,but now Y	|					9	6	7	3	2	3
10.NewR=not ever,but PrvR=Y	|						87	86	127	92	97

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No dispute,no change	|	11985	10707	11608
3.Disp,set to N	|	157	113	113
4.Disp aft,already N	|	37		
5.Disp aft,.->N	|		1	
6.Disp aft,Y->N	|	214	122	
8.Disp prev wv,but now Y	|	3		2
10.NewR=not ever,but PrvR=Y	|	92	69	56

RwSLEEPE: R ever had sleep disorder

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|										
.M=Oth missing	|										
.R=RF	|										
0.No	|										
1.Yes	|										

Value		w11	w12	w13
.D=DK/NA	|			29
.M=Oth missing	|			1
.R=RF	|			1
0.No	|			17656
1.Yes	|			3225

SwSLEEPE: S ever had sleep disorder

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|										
.R=RF	|										
.U=Unmarried	|										
.V=Spouse NR	|										
0.No	|										
1.Yes	|										

Value		w11	w12	w13
.D=DK/NA	|			12
.R=RF	|			1
.U=Unmarried	|			8024
.V=Spouse NR	|			1109
0.No	|			9945
1.Yes	|			1821

Format Reference Tables – complete variable value labels

Variables: ARTHRF, CANCRF, DIABF, HEARTF, HIBPF, LUNGF, PSYCHF, STROKF

.T=Other
 .U=Unmarried
 .V=Spouse NR
 0.No dispute,no change
 1.No disp,prld=Y,bef=N->Y
 2.Disp,preld=Y,bef=N, ->N
 3.Disp,set to N
 4.Disp aft,already N
 5.Disp aft,.->N
 6.Disp aft,Y->N
 7.Disp bef,Evr=bef Evr
 8.Disp prev wv,but now Y
 10.NewR=not ever,but PrvR=Y

How Constructed

RwHIBPE, RwDIABE, RwCANCRE, RwLUNGE, RwHEARTE, RwSTROKE, RwPSYCHE, and RwARTHRE indicate whether or not a doctor has ever told the Respondent s/he had these conditions. The conditions are 1) high blood pressure or hypertension; 2) diabetes or high blood sugar; 3) cancer or a malignant tumor of any kind except skin cancer; 4) chronic lung disease except asthma such as chronic bronchitis or emphysema; 5) heart attack, coronary heart disease, angina, congestive heart failure, or other heart problems; 6) stroke or transient ischemic attack (TIA); 7) emotional, nervous, or psychiatric problems; and 8) arthritis or rheumatism. From Wave 13 forward, RwSLEEPE indicates whether or not a doctor or other health professional has ever told the Respondent s/he had a sleep disorder.

With the exception of cases that dispute a report from a prior wave, each of these variables is set to "yes" if the Respondent answered yes to the pertinent question in the current or any prior wave, and to "no" if the Respondent responded no at the current and all prior waves.

Since Wave 2A is the first wave for AHEAD Respondents, questions are asked for all Respondents, unlike Wave 2H, where questions are skipped if reported as a condition in Wave 1.

From Wave 3 forward, if a preloaded variable so indicates, the Respondent is read a statement that HRS records show s/he reported a condition at a prior interview. Any voluntary disputes of this statement are recorded. If there is no dispute, the condition variable is coded in the raw HRS data as "yes."

If a condition is disputed, all prior wave reports are set to "no." For example, if a report of high blood pressure is disputed in Wave 3, then R1HIBPE and R2HIBPE are set to "no."

In Waves 3 and 4, if a previous wave report of a condition is disputed, no follow-up question asks whether a doctor has told the Respondent s/he has the condition since the previous wave, and it is assumed that the Respondent does not have the condition in the current wave as well. From Wave 5 forward, the interviewer records the dispute along with an indication of whether the Respondent currently has the condition. If the Respondent says s/he currently has it, the current wave variable is set to "yes," and if not, it is set to "no."

If the presence of a condition was preloaded in a particular wave and not disputed, but prior wave data does not show a previous report, it is assumed that the Respondent is reporting the condition at that wave. For example, if the Respondent did not dispute a statement in Wave 3 that s/he had reported having high blood pressure at a prior interview, but both R1HIBPE and R2HIBPE are "no," then R3HIBPE is set to "yes."

Note that as more waves are added where conditions could be disputed, we notice that for some conditions, Respondents who dispute may have reported receiving treatment or medications for the disputed condition in a prior wave. It may be that the question is interpreted by the Respondent as whether s/he has the condition now, particularly for conditions that can be brought under control, such as high blood pressure. Also disputes are more likely to affect earlier waves than later ones, simply because there have been more opportunities for disputing past answers as time goes on. This time series is not appropriate for tracking changes in the prevalence

over time and the version of these variables without disputes incorporated should be used instead. Please see the raw recodes of these variables in "Doctor diagnosed health problems: Raw recodes and question wording." Note that the raw recodes have not been recoded into 0/1 dummy variables, and do not necessarily reflect condition reports from prior waves.

RwHIBPF, RwDIABF, RwCANCERF, RwLUNGF, RwHEARTF, RwSTROKEF, RwPSYCHF, and RwARTHRF indicate whether a condition is disputed at the current or a later interview. The codes for the flag variables are: 0) no dispute and no change; 1) no dispute of preload indicating prior report of condition, but data shows no prior report of condition - set current report to yes; 2) disputes preload indicating prior report of condition, and data shows no prior report of condition - set current report to no; 3) disputes preload indicating prior report of condition, and data agrees with preload, set current and prior waves to no; 4) dispute of preload at a later wave would change this wave's report to no, but this wave's report was already no; 6) dispute of preload at a later wave has changed this wave's report from yes to no; 7) preload was disputed at a previous wave, current wave response is no, set to no; 8) preload was disputed at a previous wave, but now has condition; 10) new Respondent is asked the ever question and says no condition, but condition was reported in a prior wave, keep yes.

RwCONDE gives the number of conditions the Respondent reports ever having. It is the sum of individual condition variables. Note that this implicitly treats missing values as "no's" in the sum. RwCONDEM counts how many individual conditions were missing in the sum. RwCONDEF count how many individual condition reports in the sum were changed because of disputes. These variables do not include RwSLEEPE in the sums which was first asked in Wave 13. They only include the eight original "ever had" conditions.

SwHIBPE, SwDIABE, SwCANCER, SwLUNGE, SwHEARTE, SwSTROKE, SwPSYCHE, SwARTHRE, SwSLEEPE, SwHIBPF, SwDIABF, SwCANCERF, SwLUNGF, SwHEARTF, SwSTROKEF, SwPSYCHF, SwARTHRF, SwCOND, SwCONDEF, and SwCONDEM give this information for the Respondent's spouse or partner.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3HIBPE is taken from the Wave 3 spouse's R3HIBPE variable.

Please see the "Change in Health" variables as well. Included there are variables that measure whether the individual conditions are new in a particular wave, i.e., reported as new since the last interview. There is a summary measure for these new conditions as well.

Please see RwHIBP, RwDIAB, RwCANCER, RwLUNG, RwHEART, RwSTROK, RwPSYCH, and RwARTHR for the raw reports at each wave, and RwHIBPQ, RwDIABQ, RwCANCERQ, RwLUNGQ, RwHEARTQ, RwSTROKQ, RwPSYCHQ, and RwARTHRQ for an indication of the question wording used. The description of these variables can be found under "Doctor diagnosed health problems: Raw recodes and question wording."

Cross Wave Differences in Original HRS Data

A series of questions asks the Respondent if a doctor has ever diagnosed her/him with certain medical conditions. At a Respondent's first interview, Waves 1 and 2A, the question asks:

"Has a doctor ever told you that you have ..."

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the ever question wording is used.

At subsequent interviews, the question wording depends on whether the appropriate preloaded variable indicates that the Respondent has said "yes" to the condition at a prior interview. If not, the question wording is:

"Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

What happens if the Respondent had reported a condition at a prior interview varies across waves. In Wave 2H, if the preloaded variable indicates that the Respondent reported the condition in Wave 1, no question is asked for most conditions. For heart problems,

the above question is asked regardless of the preloaded variable value; if the preloaded variable indicates a Wave 1 heart problem, it is prefaced by a statement that a heart condition has already been reported.

From Wave 3 forward, if the preloaded variable indicates that the Respondent reported a condition at a prior interview, a statement is read:

"Our records from your last interview show that you have had ..."

No explicit question is asked. If the Respondent disputes the statement voluntarily, this is recorded, but no follow-up on the current diagnosis of the condition is asked in Waves 3 and 4. From Wave 5 forward, if the Respondent disputes the statement, the interviewer is instructed to probe as to whether or not the Respondent has since been diagnosed with the condition. The dispute is recorded as "disputes previous wave record but now has the condition" or "disputes and does not have the condition." Most disputes are of the latter type. If the Respondent does not dispute the statement, the variable that indicates the diagnosis of the condition is set to "yes."

In Wave 4, an alternate variable is provided for the heart condition question (F1156A). Apparently a skip pattern problem in this wave causes some cases who had previously reported a heart condition to be asked if they'd been told they had one since last interview, and some respond "No." These cases are identified in F1156A.

In Wave 2A and from Wave 3 forward, a code for "possible stroke or transient ischemic attack (TIA)" is added, if the Respondent volunteered this information in answer to the question about strokes. This code is not available in Waves 1 and 2H. TIA is treated the same as a "yes" answer in deriving RwSTROKE.

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as, Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7 this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants.

In Wave 13 for the RwSLEEPE variable, the list of professionals who has ever told the Respondent s/he had a sleep disorder is more broadly defined as "a doctor or other health professional."

HRS Variables Used

HRS 1992:

V325	B6:EVER HI BLD PRESS:IMP
V328	B7:EVER DIAB/HI BLD :IMP
V337	B9: CANCER/MALIGN TU:IMP
V401	B15:CHRONIC LUNG DIS:IMP
V406	B16:EVER HEART PROBL:IMP
V417	B22:EVER HAD STROKE :IMP
V422	B23:EMOT/NERV/PSYCH :IMP
V426	B25:ARTHRITIS/RHEUMA:IMP

AHEAD 1993:

B215	B3. HIGH BLOOD PRESSURE EVER
B219	B4. DIABETES: NOW
B225	B5. CANCER EVER
B235	B6. LUNG DISEASE: EVER
B242	B7. HEART CONDITION: EVER
B252	B8. STROKE: EVER
B259	B9. PSYCHIATRIC PROBLEMS: EVER
B265	B10. ARTHRITIS: PAST 12 MONTHS

HRS 1994:

W328	B6a.HIGH BLOOD PRESSURE
W331	B7.DIABETES/HIGH BLOOD S
W339	B9.CANCER/MALIGNANT TUMO
W362	B14.CHRONIC LUNG DISEASE

W367	B15.HEART PROBLEMS EVER
W368	B15.HEART CONDITIONS
W379	B21.STROKE
W384	B23.EMOTIONAL/NERVOUS/PS
W387	B24.ARTHRITIS/RHEUMATISM
AHEAD 1995:	
D781	B3. HIGH BLOOD PRESSURE
D788	B4. DIABETES
D801	B5.CANCER
D818	B6. LUNG
D828	B7. HEART CONDITION
D848	B9. STROKE
D861	B10. PSYCHIATRIC
D866	B11. ARTHRITIS
HRS 1996:	
E781	B3. HIGH BLOOD PRESSURE
E788	B4. DIABETES
E801	B5.CANCER
E818	B6. LUNG
E828	B7. HEART CONDITION
E848	B9. STROKE
E861	B10. PSYCHIATRIC
E866	B11. ARTHRITIS
HRS 1998:	
F1109	B3. HIGH BLOOD PRESSURE
F1116	B4. DIABETES
F1129	B5.CANCER
F1146	B6. LUNG
F1156	B7. HEART CONDITION
F1176	B9. STROKE
F1189	B10. PSYCHIATRIC
F1194	B11. ARTHRITIS
HRS 2000:	
G1238	B3.HIGH BLOOD PRESSURE
G1245	B4. DIABETES
G1262	B5.CANCER
G1279	B6. LUNG
G1289	B7. HEART CONDITION
G1309	B9. STROKE
G1322	B10. PSYCHIATRIC
G1327	B11. ARTHRITIS
HRS 2016:	
PC291	TOLD BY HEALTH PROFESSIONAL HAVE SLEEP DISORDER
HRS 2002-2016:	
xC005	HIGH BLOOD PRESSURE
xC010	DIABETES
xC018	CANCER OF ANY KIND EXCLUDING SKIN
xC030	LUNG DISEASE
xC036	HEART CONDITION
xC053	STROKE
xC065	EMOTIONAL/PSYCHIATRIC PROBLEMS
xC070	ARTHRITIS

Doctor diagnosed health problems: Memory-related disease

Wave	Variable	Label	Type
4	R4MEMRY	R4MEMRY:W4 R reports memory prob this wv	Categ
5	R5MEMRY	R5MEMRY:W5 R reports memory prob this wv	Categ
6	R6MEMRY	R6MEMRY:W6 R reports memory prob this wv	Categ
7	R7MEMRY	R7MEMRY:W7 R reports memory prob this wv	Categ
8	R8MEMRY	R8MEMRY:W8 R reports memory prob this wv	Categ
9	R9MEMRY	R9MEMRY:W9 R reports memory prob this wv	Categ
4	S4MEMRY	S4MEMRY:W4 S reports memory prob this wv	Categ
5	S5MEMRY	S5MEMRY:W5 S reports memory prob this wv	Categ
6	S6MEMRY	S6MEMRY:W6 S reports memory prob this wv	Categ
7	S7MEMRY	S7MEMRY:W7 S reports memory prob this wv	Categ
8	S8MEMRY	S8MEMRY:W8 S reports memory prob this wv	Categ
9	S9MEMRY	S9MEMRY:W9 S reports memory prob this wv	Categ
4	R4MEMRYQ	R4MEMRYQ:W4 Q-wording memory prob this wv	Categ
5	R5MEMRYQ	R5MEMRYQ:W5 Q-wording memory prob this wv	Categ
6	R6MEMRYQ	R6MEMRYQ:W6 Q-wording memory prob this wv	Categ
7	R7MEMRYQ	R7MEMRYQ:W7 Q-wording memory prob this wv	Categ
8	R8MEMRYQ	R8MEMRYQ:W8 Q-wording memory prob this wv	Categ
9	R9MEMRYQ	R9MEMRYQ:W9 Q-wording memory prob this wv	Categ
4	S4MEMRYQ	S4MEMRYQ:W4 Q-wording memory prob this wv	Categ
5	S5MEMRYQ	S5MEMRYQ:W5 Q-wording memory prob this wv	Categ
6	S6MEMRYQ	S6MEMRYQ:W6 Q-wording memory prob this wv	Categ
7	S7MEMRYQ	S7MEMRYQ:W7 Q-wording memory prob this wv	Categ
8	S8MEMRYQ	S8MEMRYQ:W8 Q-wording memory prob this wv	Categ
9	S9MEMRYQ	S9MEMRYQ:W9 Q-wording memory prob this wv	Categ
4	R4MEMRYE	R4MEMRYE:W4 R ever had memory problem	Categ
5	R5MEMRYE	R5MEMRYE:W5 R ever had memory problem	Categ
6	R6MEMRYE	R6MEMRYE:W6 R ever had memory problem	Categ
7	R7MEMRYE	R7MEMRYE:W7 R ever had memory problem	Categ
8	R8MEMRYE	R8MEMRYE:W8 R ever had memory problem	Categ
9	R9MEMRYE	R9MEMRYE:W9 R ever had memory problem	Categ
4	S4MEMRYE	S4MEMRYE:W4 S ever had memory problem	Categ
5	S5MEMRYE	S5MEMRYE:W5 S ever had memory problem	Categ
6	S6MEMRYE	S6MEMRYE:W6 S ever had memory problem	Categ
7	S7MEMRYE	S7MEMRYE:W7 S ever had memory problem	Categ
8	S8MEMRYE	S8MEMRYE:W8 S ever had memory problem	Categ
9	S9MEMRYE	S9MEMRYE:W9 S ever had memory problem	Categ
5	R5MEMRYF	R5MEMRYF:W5 Flag chg prev memory prob	Categ
6	R6MEMRYF	R6MEMRYF:W6 Flag chg prev memory prob	Categ
7	R7MEMRYF	R7MEMRYF:W7 Flag chg prev memory prob	Categ
8	R8MEMRYF	R8MEMRYF:W8 Flag chg prev memory prob	Categ
9	R9MEMRYF	R9MEMRYF:W9 Flag chg prev memory prob	Categ
5	S5MEMRYF	S5MEMRYF:W5 Flag chg prev memory prob	Categ
6	S6MEMRYF	S6MEMRYF:W6 Flag chg prev memory prob	Categ
7	S7MEMRYF	S7MEMRYF:W7 Flag chg prev memory prob	Categ
8	S8MEMRYF	S8MEMRYF:W8 Flag chg prev memory prob	Categ
9	S9MEMRYF	S9MEMRYF:W9 Flag chg prev memory prob	Categ
10	R10ALZHE	R10ALZHE:W10 R reports Alzheimer this wv	Categ
11	R11ALZHE	R11ALZHE:W11 R reports Alzheimer this wv	Categ
12	R12ALZHE	R12ALZHE:W12 R reports Alzheimer this wv	Categ
13	R13ALZHE	R13ALZHE:W13 R reports Alzheimer this wv	Categ
10	S10ALZHE	S10ALZHE:W10 S reports Alzheimer this wv	Categ
11	S11ALZHE	S11ALZHE:W11 S reports Alzheimer this wv	Categ
12	S12ALZHE	S12ALZHE:W12 S reports Alzheimer this wv	Categ
13	S13ALZHE	S13ALZHE:W13 S reports Alzheimer this wv	Categ
10	R10ALZHEQ	R10ALZHEQ:W10 Q-wording of Alzheimer this wv	Categ
11	R11ALZHEQ	R11ALZHEQ:W11 Q-wording of Alzheimer this wv	Categ

12	R12ALZHEQ	R12ALZHEQ:W12 Q-wording of Alzheimer this wv	Categ
13	R13ALZHEQ	R13ALZHEQ:W13 Q-wording of Alzheimer this wv	Categ
10	S10ALZHEQ	S10ALZHEQ:W10 Q-wording of Alzheimer this wv	Categ
11	S11ALZHEQ	S11ALZHEQ:W11 Q-wording of Alzheimer this wv	Categ
12	S12ALZHEQ	S12ALZHEQ:W12 Q-wording of Alzheimer this wv	Categ
13	S13ALZHEQ	S13ALZHEQ:W13 Q-wording of Alzheimer this wv	Categ
10	R10ALZHEE	R10ALZHEE:W10 R ever reported Alzheimer	Categ
11	R11ALZHEE	R11ALZHEE:W11 R ever reported Alzheimer	Categ
12	R12ALZHEE	R12ALZHEE:W12 R ever reported Alzheimer	Categ
13	R13ALZHEE	R13ALZHEE:W13 R ever reported Alzheimer	Categ
10	S10ALZHEE	S10ALZHEE:W10 S ever reported Alzheimer	Categ
11	S11ALZHEE	S11ALZHEE:W11 S ever reported Alzheimer	Categ
12	S12ALZHEE	S12ALZHEE:W12 S ever reported Alzheimer	Categ
13	S13ALZHEE	S13ALZHEE:W13 S ever reported Alzheimer	Categ
11	R11ALZHEF	R11ALZHEF:W11 Flag chg prev report of Alzheimer	Categ
12	R12ALZHEF	R12ALZHEF:W12 Flag chg prev report of Alzheimer	Categ
13	R13ALZHEF	R13ALZHEF:W13 Flag chg prev report of Alzheimer	Categ
11	S11ALZHEF	S11ALZHEF:W11 Flag chg prev report of Alzheimer	Categ
12	S12ALZHEF	S12ALZHEF:W12 Flag chg prev report of Alzheimer	Categ
13	S13ALZHEF	S13ALZHEF:W13 Flag chg prev report of Alzheimer	Categ
10	R10DEMEN	R10DEMEN:W10 R reports dementia this wv	Categ
11	R11DEMEN	R11DEMEN:W11 R reports dementia this wv	Categ
12	R12DEMEN	R12DEMEN:W12 R reports dementia this wv	Categ
13	R13DEMEN	R13DEMEN:W13 R reports dementia this wv	Categ
10	S10DEMEN	S10DEMEN:W10 S reports dementia this wv	Categ
11	S11DEMEN	S11DEMEN:W11 S reports dementia this wv	Categ
12	S12DEMEN	S12DEMEN:W12 S reports dementia this wv	Categ
13	S13DEMEN	S13DEMEN:W13 S reports dementia this wv	Categ
10	R10DEMENQ	R10DEMENQ:W10 Q-wording of dementia this wv	Categ
11	R11DEMENQ	R11DEMENQ:W11 Q-wording of dementia this wv	Categ
12	R12DEMENQ	R12DEMENQ:W12 Q-wording of dementia this wv	Categ
13	R13DEMENQ	R13DEMENQ:W13 Q-wording of dementia this wv	Categ
10	S10DEMENQ	S10DEMENQ:W10 Q-wording of dementia this wv	Categ
11	S11DEMENQ	S11DEMENQ:W11 Q-wording of dementia this wv	Categ
12	S12DEMENQ	S12DEMENQ:W12 Q-wording of dementia this wv	Categ
13	S13DEMENQ	S13DEMENQ:W13 Q-wording of dementia this wv	Categ
10	R10DEMENE	R10DEMENE:W10 R ever reported dementia	Categ
11	R11DEMENE	R11DEMENE:W11 R ever reported dementia	Categ
12	R12DEMENE	R12DEMENE:W12 R ever reported dementia	Categ
13	R13DEMENE	R13DEMENE:W13 R ever reported dementia	Categ
10	S10DEMENE	S10DEMENE:W10 S ever reported dementia	Categ
11	S11DEMENE	S11DEMENE:W11 S ever reported dementia	Categ
12	S12DEMENE	S12DEMENE:W12 S ever reported dementia	Categ
13	S13DEMENE	S13DEMENE:W13 S ever reported dementia	Categ
11	R11DEMENF	R11DEMENF:W11 Flag chg prev report of dementia	Categ
12	R12DEMENF	R12DEMENF:W12 Flag chg prev report of dementia	Categ
13	R13DEMENF	R13DEMENF:W13 Flag chg prev report of dementia	Categ
11	S11DEMENF	S11DEMENF:W11 Flag chg prev report of dementia	Categ
12	S12DEMENF	S12DEMENF:W12 Flag chg prev report of dementia	Categ
13	S13DEMENF	S13DEMENF:W13 Flag chg prev report of dementia	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R4MEMRY	21370	0.03	0.16	0.0	1.0
R5MEMRY	19219	0.02	0.13	0.0	1.0
R6MEMRY	17987	0.03	0.17	0.0	1.0
R7MEMRY	19743	0.03	0.16	0.0	1.0
R8MEMRY	17928	0.02	0.15	0.0	1.0
R9MEMRY	17197	0.07	0.35	0.0	4.0
S4MEMRY	13976	0.02	0.14	0.0	1.0
S5MEMRY	12547	0.01	0.11	0.0	1.0
S6MEMRY	11554	0.02	0.13	0.0	1.0
S7MEMRY	12798	0.02	0.13	0.0	1.0
S8MEMRY	11492	0.02	0.13	0.0	1.0
S9MEMRY	10640	0.05	0.31	0.0	4.0
R4MEMRYQ	21384	1.00	0.00	1.0	1.0
R5MEMRYQ	19578	2.26	1.54	1.0	12.0
R6MEMRYQ	18165	2.42	1.80	1.0	15.0
R7MEMRYQ	20129	2.10	1.34	1.0	15.0
R8MEMRYQ	18469	2.27	1.13	1.0	15.0
R9MEMRYQ	17217	2.22	1.08	1.0	15.0
S4MEMRYQ	13980	1.00	0.00	1.0	1.0
S5MEMRYQ	12730	2.20	1.40	1.0	12.0
S6MEMRYQ	11639	2.34	1.58	1.0	15.0
S7MEMRYQ	12972	2.05	1.26	1.0	15.0
S8MEMRYQ	11735	2.24	1.03	1.0	15.0
S9MEMRYQ	10646	2.19	0.97	1.0	15.0
R4MEMRYE	21370	0.02	0.16	0.0	1.0
R5MEMRYE	19575	0.04	0.18	0.0	1.0
R6MEMRYE	18164	0.04	0.20	0.0	1.0
R7MEMRYE	20127	0.05	0.21	0.0	1.0
R8MEMRYE	18469	0.05	0.22	0.0	1.0
R9MEMRYE	17200	0.06	0.24	0.0	1.0
S4MEMRYE	13976	0.02	0.13	0.0	1.0
S5MEMRYE	12728	0.02	0.16	0.0	1.0
S6MEMRYE	11638	0.03	0.16	0.0	1.0
S7MEMRYE	12971	0.03	0.17	0.0	1.0
S8MEMRYE	11735	0.04	0.19	0.0	1.0
S9MEMRYE	10640	0.04	0.20	0.0	1.0
R5MEMRYF	19578	0.00	0.00	0.0	0.0
R6MEMRYF	18165	0.01	0.15	0.0	2.0
R7MEMRYF	20129	0.01	0.13	0.0	2.0
R8MEMRYF	18469	0.01	0.12	0.0	2.0
R9MEMRYF	17217	0.02	0.25	0.0	8.0
S5MEMRYF	12730	0.00	0.00	0.0	0.0
S6MEMRYF	11639	0.01	0.14	0.0	2.0
S7MEMRYF	12972	0.01	0.11	0.0	2.0
S8MEMRYF	11735	0.01	0.10	0.0	2.0
S9MEMRYF	10646	0.02	0.22	0.0	3.0
R10ALZHE	21988	0.02	0.12	0.0	1.0
R11ALZHE	20493	0.03	0.22	0.0	4.0

R12ALZHE	18704	0.02	0.18	0.0	4.0
R13ALZHE	20855	0.02	0.16	0.0	4.0
S10ALZHE	13493	0.01	0.10	0.0	1.0
S11ALZHE	12464	0.02	0.18	0.0	4.0
S12ALZHE	10994	0.01	0.15	0.0	4.0
S13ALZHE	11760	0.01	0.12	0.0	4.0
R10ALZHEQ	22034	1.84	0.84	1.0	12.0
R11ALZHEQ	20554	2.23	1.26	1.0	16.0
R12ALZHEQ	18747	2.11	0.66	1.0	16.0
R13ALZHEQ	20912	1.88	0.72	1.0	16.0
S10ALZHEQ	13513	1.82	0.83	1.0	12.0
S11ALZHEQ	12488	2.21	1.24	1.0	16.0
S12ALZHEQ	11012	2.10	0.66	1.0	16.0
S13ALZHEQ	11779	1.87	0.71	1.0	16.0
R10ALZHEE	21988	0.01	0.12	0.0	1.0
R11ALZHEE	20506	0.02	0.13	0.0	1.0
R12ALZHEE	18712	0.02	0.13	0.0	1.0
R13ALZHEE	20866	0.02	0.13	0.0	1.0
S10ALZHEE	13493	0.01	0.09	0.0	1.0
S11ALZHEE	12471	0.01	0.10	0.0	1.0
S12ALZHEE	10998	0.01	0.10	0.0	1.0
S13ALZHEE	11761	0.01	0.10	0.0	1.0
R11ALZHEF	20554	0.02	0.28	0.0	8.0
R12ALZHEF	18747	0.01	0.19	0.0	6.0
R13ALZHEF	20912	0.00	0.09	0.0	3.0
S11ALZHEF	12488	0.01	0.23	0.0	8.0
S12ALZHEF	11012	0.00	0.14	0.0	6.0
S13ALZHEF	11779	0.00	0.06	0.0	3.0
R10DEMEN	21639	0.02	0.14	0.0	1.0
R11DEMEN	20177	0.04	0.27	0.0	4.0
R12DEMEN	18379	0.04	0.28	0.0	4.0
R13DEMEN	20582	0.03	0.25	0.0	4.0
S10DEMEN	13365	0.01	0.12	0.0	1.0
S11DEMEN	12355	0.03	0.22	0.0	4.0
S12DEMEN	10887	0.03	0.26	0.0	4.0
S13DEMEN	11669	0.02	0.22	0.0	4.0
R10DEMENQ	22034	1.84	0.84	1.0	12.0
R11DEMENQ	20554	2.22	1.24	1.0	16.0
R12DEMENQ	18747	2.14	0.84	1.0	16.0
R13DEMENQ	20912	1.90	0.86	1.0	16.0
S10DEMENQ	13513	1.82	0.83	1.0	12.0
S11DEMENQ	12488	2.21	1.23	1.0	16.0
S12DEMENQ	11012	2.12	0.78	1.0	16.0
S13DEMENQ	11779	1.89	0.79	1.0	16.0
R10DEMENE	21641	0.02	0.13	0.0	1.0
R11DEMENE	20210	0.02	0.16	0.0	1.0
R12DEMENE	18440	0.03	0.17	0.0	1.0

R13DEMENE	20655	0.03	0.17	0.0	1.0
S10DEMENE	13366	0.01	0.11	0.0	1.0
S11DEMENE	12367	0.02	0.13	0.0	1.0
S12DEMENE	10909	0.02	0.14	0.0	1.0
S13DEMENE	11693	0.02	0.14	0.0	1.0
R11DEMENF	20554	0.04	0.44	0.0	8.0
R12DEMENF	18747	0.03	0.38	0.0	8.0
R13DEMENF	20912	0.01	0.17	0.0	8.0
S11DEMENF	12488	0.03	0.42	0.0	8.0
S12DEMENF	11012	0.03	0.35	0.0	8.0
S13DEMENF	11779	0.01	0.16	0.0	8.0

Categorical Variable Codes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK				13	7	11	16	14	17	
.M=Oth missing								1		
.R=RF				1	2	2	2	4	3	
.Y=Via preload+yes prev wv					350	165	368	522		
0.No				20834	18868	17468	19228	17490	16167	
1.Yes				536	351	519	515	438	948	
3.Disp prev record and has									1	
4.Disp prev record and no c									81	

Value	w11	w12	w13
.D=DK			
.M=Oth missing			
.R=RF			
.Y=Via preload+yes prev wv			
0.No			
1.Yes			
3.Disp prev record and has			
4.Disp prev record and no c			

SwMEMRY: S reports memory prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK				4	6	3	4	6	4	
.R=RF					1	2	1	2	2	
.U=Unmarried				6868	6537	6306	6777	6417	6206	
.V=Spouse NR				536	311	220	380	317	365	
.Y=Via preload+yes prev wv					176	80	169	235		
0.No				13715	12394	11348	12582	11295	10183	
1.Yes				261	153	206	216	197	415	
4.Disp prev record and no c									42	

Value	w11	w12	w13
.D=DK			
.R=RF			
.U=Unmarried			
.V=Spouse NR			
.Y=Via preload+yes prev wv			
0.No			
1.Yes			
4.Disp prev record and no c			

RwMEMRYQ: Q-wording memory prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]				21384	265	226	3471	207	143	
2.ReIvw,NoCond: have had si					18504	16322	15163	16628	15634	
3.ReIvw,Cond: last time sai									543	
4.ReIvw,Cond: skip question					350	165	368	522		
5.ReIvw/NewR: have ever had						1072	959	1020	816	
11.ReIvw BUT Pre=NewIvw: ha					5	6	5	6		
12.NewIvw BUT Pre=ReIvw,NoC					454	172	71	23	13	
15.ReIvw,Cond BUT Pre=NoCon						202	92	63	68	

Value	w11	w12	w13
1.NewIvw: have had [ever]			
2.ReIvw,NoCond: have had si			
3.ReIvw,Cond: last time sai			
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had			
11.ReIvw BUT Pre=NewIvw: ha			
12.NewIvw BUT Pre=ReIvw,NoC			
15.ReIvw,Cond BUT Pre=NoCon			

SwMEMRYQ: Q-wording memory prob this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried				6868	6537	6306	6777	6417	6206	
.V=Spouse NR				536	311	220	380	317	365	
1.NewIvw: have had [ever]				13980	247	209	2484	198	139	
2.ReIvw,NoCond: have had si					12060	10525	9649	10593	9747	
3.ReIvw,Cond: last time sai									250	
4.ReIvw,Cond: skip question					176	80	169	235		
5.ReIvw/NewR: have ever had						648	577	668	474	
11.ReIvw BUT Pre=NewIvw: ha					4	6	5	6		
12.NewIvw BUT Pre=ReIvw,NoC					243	78	42	8	5	
15.ReIvw,Cond BUT Pre=NoCon						93	46	27	31	

Value	w11	w12	w13
.U=Unmarried			
.V=Spouse NR			
1.NewIvw: have had [ever]			
2.ReIvw,NoCond: have had si			
3.ReIvw,Cond: last time sai			
4.ReIvw,Cond: skip question			
5.ReIvw/NewR: have ever had			
11.ReIvw BUT Pre=NewIvw: ha			
12.NewIvw BUT Pre=ReIvw,NoC			
15.ReIvw,Cond BUT Pre=NoCon			

RwMEMRYE: R ever had memory problem

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				13	1		1		14	
.R=RF				1	2	1	1		3	
0.No				20837	18889	17394	19199	17491	16159	
1.Yes				533	686	770	928	978	1041	

Value	w11	w12	w13
.D=DK/NA			
.R=RF			
0.No			
1.Yes			

SwMEMRYE: S ever had memory problem

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA				4	1					4
.R=RF					1	1	1			2
.U=Unmarried				6868	6537	6306	6777	6417	6206	
.V=Spouse NR				536	311	220	380	317	365	
0.No				13717	12410	11313	12581	11304	10185	
1.Yes				259	318	325	390	431	455	

Value	w11	w12	w13
.D=DK/NA			
.R=RF			
.U=Unmarried			
.V=Spouse NR			
0.No			
1.Yes			

RwMEMRYF: Flag chg prev memory prob

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.OK					19578	18048	20023	18369	17046	
1.NewR says not ever but pr						24	33	45	32	
2.Says no cur wv but prev s						93	73	55	57	
3.Dispute,set to N									81	
8.Dispute prev wv,but now Y									1	

Value	w11	w12	w13
0.OK			
1.NewR says not ever but pr			
2.Says no cur wv but prev s			
3.Dispute,set to N			
8.Dispute prev wv,but now Y			

SwMEMRYF: Flag chg prev memory prob

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried					6537	6306	6777	6417	6206	
.V=Spouse NR					311	220	380	317	365	
0.OK					12730	11580	12929	11689	10564	
1.NewR says not ever but pr						6	7	22	12	
2.Says no cur wv but prev s						53	36	24	28	
3.Dispute,set to N									42	

Value	w11	w12	w13
.U=Unmarried			
.V=Spouse NR			
0.OK			
1.NewR says not ever but pr			
2.Says no cur wv but prev s			
3.Dispute,set to N			

RwALZHE: R reports Alzheimer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										24
.M=Oth missing										20
.R=RF										2
0.No										21645
1.Yes										343
3.Disp prev record and has										
4.Disp prev record and no c										

Value	w11	w12	w13
.D=DK	14	15	15
.M=Oth missing	44	26	40
.R=RF	3	2	2
0.No	20095	18350	20530
1.Yes	355	337	311
3.Disp prev record and has	3		
4.Disp prev record and no c	40	17	14

SwALZHE: S reports Alzheimer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										10
.M=Oth missing										9
.R=RF										1
.U=Unmarried										7799
.V=Spouse NR										722
0.No										13366
1.Yes										127
3.Disp prev record and has										
4.Disp prev record and no c										

Value	w11	w12	w13
.D=DK	5	4	5
.M=Oth missing	18	13	13
.R=RF	1	1	1
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	12320	10871	11653
1.Yes	127	115	103
3.Disp prev record and has	1		
4.Disp prev record and no c	16	8	4

SwALZHEQ: Q-wording of Alzheimer this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										7799
.V=Spouse NR										722
1.NewIvw: have had [ever]										4096
2.ReIvw,NoCond: have had si										8916
3.ReIvw,Cond: last time sai										
5.ReIvw/NewR: have ever had										485
11.ReIvw BUT Pre=NewIvw: ha										11
12.NewIvw BUT Pre=ReIvw,NoC										5
15.ReIvw,Cond BUT Pre=NoCon										
16.ReIvw,NoCond BUT Pre=Con										

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.NewIvw: have had [ever]	313	167	2517
2.ReIvw,NoCond: have had si	11509	10404	8916
3.ReIvw,Cond: last time sai	55	56	43
5.ReIvw/NewR: have ever had	450	375	294
11.ReIvw BUT Pre=NewIvw: ha	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC	1		
15.ReIvw,Cond BUT Pre=NoCon	8		
16.ReIvw,NoCond BUT Pre=Con	15	5	1

RwALZHEE: R ever reported Alzheimer

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|										24
.M=Oth missing	|										20
.R=RF	|										2
0.No	|										21665
1.Yes	|										323

Value		w11	w12	w13
.D=DK/NA	|	10	14	10
.M=Oth missing	|	36	19	34
.R=RF	|	2	2	2
0.No	|	20152	18365	20533
1.Yes	|	354	347	333

SwALZHEE: S ever reported Alzheimer

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|										10
.M=Oth missing	|										9
.R=RF	|										1
.U=Unmarried	|										7799
.V=Spouse NR	|										722
0.No	|										13375
1.Yes	|										118

Value		w11	w12	w13
.D=DK/NA	|	3	4	5
.M=Oth missing	|	14	9	12
.R=RF	|		1	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	12344	10879	11653
1.Yes	|	127	119	108

RwALZHEF: Flag chg prev report of Alzheimer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.OK										
1.NewR says not ever but pr										
2.Says no cur wv but prev s										
3.Dispute,set to N										
4.Dispute after,already N										
6.Dispute after,Y->N										
8.Dispute prev wv,but now Y										

Value	w11	w12	w13
0.OK	20471	18702	20887
1.NewR says not ever but pr	8	12	5
2.Says no cur wv but prev s	1	3	6
3.Dispute,set to N	40	17	14
4.Dispute after,already N	5		
6.Dispute after,Y->N	26	13	
8.Dispute prev wv,but now Y	3		

SwALZHEF: Flag chg prev report of Alzheimer

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										
.V=Spouse NR										
0.OK										
1.NewR says not ever but pr										
2.Says no cur wv but prev s										
3.Dispute,set to N										
4.Dispute after,already N										
6.Dispute after,Y->N										
8.Dispute prev wv,but now Y										

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.OK	12453	10996	11771
1.NewR says not ever but pr	4	3	2
2.Says no cur wv but prev s		1	2
3.Dispute,set to N	16	8	4
4.Dispute after,already N	2		
6.Dispute after,Y->N	12	4	
8.Dispute prev wv,but now Y	1		

RwDEMEN: R reports dementia this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										28
.M=Oth missing										363
.R=RF										4
0.No										21203
1.Yes										436
3.Disp prev record and has										
4.Disp prev record and no c										

Value	w11	w12	w13
.D=DK	13	28	17
.M=Oth missing	358	337	311
.R=RF	6	3	2
0.No	19602	17820	20030
1.Yes	511	493	500
3.Disp prev record and has	1	6	1
4.Disp prev record and no c	63	60	51

SwDEMEN: S reports dementia this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK										11
.M=Oth missing										136
.R=RF										1
.U=Unmarried										7799
.V=Spouse NR										722
0.No										13180
1.Yes										185
3.Disp prev record and has										
4.Disp prev record and no c										

Value	w11	w12	w13
.D=DK	4	9	6
.M=Oth missing	128	115	102
.R=RF	1	1	2
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	12108	10654	11453
1.Yes	221	198	193
3.Disp prev record and has	1	2	1
4.Disp prev record and no c	25	33	22

RwDEMENQ: Q-wording of dementia this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.NewIvw: have had [ever]										6439
2.ReIvw,NoCond: have had si										14699
3.ReIvw,Cond: last time sai										
5.ReIvw/NewR: have ever had										877
11.ReIvw BUT Pre=NewIvw: ha										11
12.NewIvw BUT Pre=ReIvw,NoC										8
15.ReIvw,Cond BUT Pre=NoCon										
16.ReIvw,NoCond BUT Pre=Con										

Value	w11	w12	w13
1.NewIvw: have had [ever]	331	178	4558
2.ReIvw,NoCond: have had si	18987	17585	15502
3.ReIvw,Cond: last time sai	237	287	248
5.ReIvw/NewR: have ever had	753	655	569
11.ReIvw BUT Pre=NewIvw: ha	188	5	9
12.NewIvw BUT Pre=ReIvw,NoC	7	1	
15.ReIvw,Cond BUT Pre=NoCon	21	12	3
16.ReIvw,NoCond BUT Pre=Con	30	24	23

SwDEMENQ: Q-wording of dementia this wv

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										7799
.V=Spouse NR										722
1.NewIvw: have had [ever]										4096
2.ReIvw,NoCond: have had si										8916
3.ReIvw,Cond: last time sai										
5.ReIvw/NewR: have ever had										485
11.ReIvw BUT Pre=NewIvw: ha										11
12.NewIvw BUT Pre=ReIvw,NoC										5
15.ReIvw,Cond BUT Pre=NoCon										
16.ReIvw,NoCond BUT Pre=Con										

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.NewIvw: have had [ever]	313	167	2517
2.ReIvw,NoCond: have had si	11464	10333	8850
3.ReIvw,Cond: last time sai	102	117	102
5.ReIvw/NewR: have ever had	450	375	294
11.ReIvw BUT Pre=NewIvw: ha	137	5	8
12.NewIvw BUT Pre=ReIvw,NoC	1		
15.ReIvw,Cond BUT Pre=NoCon	11	7	1
16.ReIvw,NoCond BUT Pre=Con	10	8	7

RwDEMENE: R ever reported dementia

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|										28
.M=Oth missing	|										361
.R=RF	|										4
0.No	|										21271
1.Yes	|										370

Value		w11	w12	w13
.D=DK/NA	|	12	23	17
.M=Oth missing	|	326	281	238
.R=RF	|	6	3	2
0.No	|	19712	17897	20044
1.Yes	|	498	543	611

SwDEMENE: S ever reported dementia

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|										11
.M=Oth missing	|										135
.R=RF	|										1
.U=Unmarried	|										7799
.V=Spouse NR	|										722
0.No	|										13215
1.Yes	|										151

Value		w11	w12	w13
.D=DK/NA	|	3	7	6
.M=Oth missing	|	117	95	78
.R=RF	|	1	1	2
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	12166	10694	11455
1.Yes	|	201	215	238

RwDEMENF: Flag chg prev report of dementia

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.OK										
1.NewR says not ever but pr										
2.Says no cur wv but prev s										
3.Dispute,set to N										
4.Dispute after,already N										
5.Dispute after,.->N										
6.Dispute after,Y->N										
8.Dispute prev wv,but now Y										

Value	w11	w12	w13
0.OK	20348	18597	20823
1.NewR says not ever but pr	16	15	14
2.Says no cur wv but prev s	14	20	23
3.Dispute,set to N	63	60	51
4.Dispute after,already N	33		
5.Dispute after,.->N	3		
6.Dispute after,Y->N	76	49	
8.Dispute prev wv,but now Y	1	6	1

SwDEMENF: Flag chg prev report of dementia

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried										
.V=Spouse NR										
0.OK										
1.NewR says not ever but pr										
2.Says no cur wv but prev s										
3.Dispute,set to N										
4.Dispute after,already N										
5.Dispute after,.->N										
6.Dispute after,Y->N										
8.Dispute prev wv,but now Y										

Value	w11	w12	w13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.OK	12390	10934	11736
1.NewR says not ever but pr	6	6	9
2.Says no cur wv but prev s	6	12	11
3.Dispute,set to N	25	33	22
4.Dispute after,already N	14		
5.Dispute after,.->N	2		
6.Dispute after,Y->N	44	25	
8.Dispute prev wv,but now Y	1	2	1

Format Reference Tables – complete variable value labels

Variables: ALZHE, ARTHR, CANCR, DEMEN, DIAB, HEART, HIBP, LUNG, MEMRY, PSYCH, STROK

.D=DK
 .T=HRS impute=has cond
 .J=HRS impute=no cond
 .M=Oth missing
 .P=Preload yes,but no prv wv
 .R=RF
 .S=Skip
 .T=Other
 .U=Unmarried
 .V=Spouse NR
 .Y=Via preload+yes prev wv
 0.No
 1.Yes
 2.TIA/possible stroke
 3.Disp prev record and has cond
 4.Disp prev record and no cond
 5.Disp prev record (DK if cond)
 6.Preld prob:prev had/no new

Variables: ALZHEF, DEMENF, MEMRYF

.U=Unmarried
 .V=Spouse NR
 0.OK
 1.NewR says not ever but prev said had cond
 2.Says no cur wv but prev said had cond
 3.Dispute,set to N
 4.Dispute after,already N
 5.Dispute after,.->N
 6.Dispute after,Y->N
 7.Dispute before,Evr=bef Evr
 8.Dispute prev wv,but now Y

Variables: ALZHEQ, ARTHRQ, CANCRQ, DEMENQ, DIABQ, HEARTQ, HIBPQ, LUNGQ, MEMRYQ, PSYCHQ, STROKQ

.T=Other
 .U=Unmarried
 .V=Spouse NR
 1.NewIvw: have had [ever]
 2.ReIvw,NoCond: have had since last Ivw
 3.ReIvw,Cond: last time said had
 4.ReIvw,Cond: skip question
 5.ReIvw/NewR: have ever had
 6.ReIvw,Cond: told had since last Ivw
 10.Ovrlap-93Ivw: have had [ever]
 11.ReIvw BUT Pre=NewIvw: have had [ever]
 12.NewIvw BUT Pre=ReIvw,NoCond: have had since last Ivw
 13.NewIvw BUT Pre=ReIvw,Cond: last time said had
 14.NewIvw BUT Pre=ReIvw,Cond: skip question
 15.ReIvw,Cond BUT Pre=NoCond: have had since last Ivw
 16.ReIvw,NoCond BUT Pre=Cond: last time said had
 17.ReIvw,NoCond BUT Pre=Cond: Skip question
 18.NewIvw BUT Pre=ReIvw,Cond: told had since last Ivw
 19.ReIvw,NoCond BUT Pre=Cond: told had since last Ivw

How Constructed

RwMEMRY indicates the raw response to the question regarding whether or not a doctor has told the Respondent s/he had a memory-related disease. The exact question wording depends on whether this is a first interview and whether the person being interviewed is the same as in the prior interview. If a preload variable indicates that the condition was reported at a prior interview, then the question is skipped. The question about memory-related disease is first asked in Wave 4. It is not asked after Wave 9.

RwMEMRYQ indicates the question wording used, based on preload variables, and whether the preloaded information is correct. RwMEMRYE indicates whether or not a doctor has ever told the Respondent s/he had this condition in this or any previous wave. RwMEMRYF indicates whether the current wave conflicts with information given at a prior wave.

The question wording is one of the following (main codes in "Q" variables are given in parentheses):

If new interview, or from Wave 6 forward, new person answering questions (1.NewIvw or 5.ReIvw/NewR): "Has a doctor ever told you that you have ..."

If reinterview and no prior report of condition (2.ReIvw,NoCond): "Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

Through Wave 8, if it is a reinterview and the condition is reported in a prior wave (4.ReIvw,Cond), the question is skipped.

In Wave 9, all Respondents were asked this question and were given the opportunity to dispute answers given in previous waves.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's disease or dementia rather than memory-related disease as in previous waves.

RwALZHE and RwDEMEN indicate the raw response to the questions regarding whether or not a doctor has told the Respondent s/he had Alzheimer/dementia. The exact question wording depends on whether this is a first interview and whether the person being interviewed is the same as in the prior interview. If a preload variable indicates that the condition was reported at a prior interview, then the question is skipped.

RwALZHEQ and RwDEMENQ indicate the question wording used, based on preload variables, and whether the preloaded information is correct. RwALZHEE and RwDEMENE indicate whether or not a doctor has ever told the Respondent s/he had this condition in this or any previous wave. RwALZHEF and RwDEMENF indicate whether the current wave conflicts with information given at a prior wave.

The question wording is one of the following (main codes in "Q" variables are given in parentheses):

If new interview, or from Wave 6 forward, new person answering questions (1.NewIvw or 5.ReIvw/NewR): "Has a doctor ever told you that you have ..."

If reinterview and no prior report of condition (2.ReIvw,NoCond): "Since we last talked to you, that is since [last interview date], has a doctor told you that you have ..."

The "Q" variables have additional codes that indicate situations where the preload variables determine the question wording, but do not agree with the actual situation in prior waves. A code of 11 means that the Respondent has a prior interview but the preload indicates this is a new interview, so the question asks if the Respondent has ever been told about a condition; 12 means that this is a new interview but the preload indicates it is a reinterview; and 15 means that the Respondent previously reported having a condition but the preload indicates a prior interview with no condition. In situations flagged by a 12 or 15, the question asks if the Respondent has been told about a condition since the last interview, even though this is the Respondent's first interview (in the case of 12), or the question should have been skipped due to a prior report (in the case of 15).

RwMEMRY, RwALZHE, and RwDEMEN are recoded to reflect the answer given. The meaning of the answer depends on the question asked, so the analyst may want to consider this variable in conjunction with the corresponding "Q" variables. Generally, a "1" means "yes" and "0" means "no." Note that for a re-interview when the condition was previously reported, this question is skipped; in this situation the variable is set to SAS special missing .Y.

For RwMEMRYE, RwALZHEE, and RwDEMENE, the variable is set to "yes" if the Respondent answered yes to the pertinent question in the current or any prior wave, and to "no" if the Respondent responded no at the current and all prior waves. If the Respondent reports having the condition at one wave and later the question is asked again because a new proxy is answering, with a negative response, the variable will still remain set to "yes" for the later wave, but the flag variable (RwMEMRYF, RwALZHEF, or RwDEMENF) will be set to "1." If the question is asked again because of a skip pattern problem and the answer conflicts with a prior report of the condition, the flag variable (RwMEMRYF, RwALZHEF, or RwDEMENF) will be set to "2," but the "E" variable (RwMEMRYE, RwALZHEE, or RwDEMENE) will remain set to "yes."

SwMEMRY, SwALZHE, SwDEMEN, SwMEMRYQ, SwALZHEQ, SwDEMENQ, SwMEMRYE, SwALZHEE, SwDEMENE, SwMEMRYF, SwALZHEF, and SwDEMENF, give this information for the Respondent's spouse or partner.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S4MEMRY is taken from the Wave 4 spouse's R4MEMRY variable.

Please see the "Change in Health" variables as well. Included there are RwMEMRYS, RwALZHES, and RwDEMENS, which measure whether the disease is new in a particular wave, i.e., reported as new since the last interview.

Cross Wave Differences in Original HRS Data

Respondents are first asked about memory-related disease in Wave 4. At a Respondent's first interview at or after Wave 4, the question asks:

"Has a doctor ever told you that you have a memory-related disease?"

From Wave 6 forward, if the person answering the questions is new, the question is asked as though it were the first interview, regardless of what had been reported at prior interviews. Thus if the prior interview was given by the Respondent and the current is by proxy, or vice versa, or if both interviews are by proxy but conducted with different people, then this is treated like a first interview and the ever question wording is used.

Until Wave 9, the question is not asked if the appropriate preloaded variable indicates that the Respondent has said yes to this condition at a prior interview. If the preload indicates that the Respondent has not yet reported a memory-related disease then the question wording is:

"Since we last talked to you, that is since [last interview date], has a doctor told you that you have a memory-related disease?"

The definition of "doctor" in Wave 6 was: Medical doctors include specialists such as, Dermatologists, Psychiatrists, Ophthalmologists, as well as general practitioners, and Osteopaths. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 7 this was expanded as follows: Medical doctors include specialists such as Dermatologists, Psychiatrists, Ophthalmologists, Osteopaths, Cardiologists, as well as family doctors, internists and physicians' assistants. Do not include Chiropractors, Dentists, or Nurses/Nurse Practitioners.

In Wave 9, all Respondents were asked this question and were given the opportunity to dispute answers given in previous waves.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's disease or dementia rather than memory-related disease as in previous waves.

HRS Variables Used

HRS 1998:	
F1193	B10D. MEMORY-RELATED DISEASE
HRS 2000:	
G1326	B10D. MEMORY-RELATED DISEASE
G262	PR262.PREV WAVE MEMORY DISEASE
G753	CS22Y30.PREVIOUS WAVE INTERV
HRS 2002-2008:	
xC069	MEMORY RELATED DISEASE
HRS 2002-2016:	
xA009	PROXY/SELF INTERVIEW
xA010	CURRENT - WAVE PROXY
xZ076	R EVER INTERVIEWED
xZ095	PREV WAVE IW SELF/PROXY
xZ117	PREV WAVE R HAS MEMORY DISEASE
HRS 2010-2016:	
xC272	EVER HAD ALZHEIMERS
xC273	EVER HAD DEMENTIA

Self-reported BMI, Height, Weight

Wave	Variable	Label	Type
1	R1BMI	R1BMI:W1 Self-reported body mass index=kg/m2	Cont
2	R2BMI	R2BMI:W2 Self-reported body mass index=kg/m2	Cont
3	R3BMI	R3BMI:W3 Self-reported body mass index=kg/m2	Cont
4	R4BMI	R4BMI:W4 Self-reported body mass index=kg/m2	Cont
5	R5BMI	R5BMI:W5 Self-reported body mass index=kg/m2	Cont
6	R6BMI	R6BMI:W6 Self-reported body mass index=kg/m2	Cont
7	R7BMI	R7BMI:W7 Self-reported body mass index=kg/m2	Cont
8	R8BMI	R8BMI:W8 Self-reported body mass index=kg/m2	Cont
9	R9BMI	R9BMI:W9 Self-reported body mass index=kg/m2	Cont
10	R10BMI	R10BMI:W10 Self-reported body mass index=kg/m2	Cont
11	R11BMI	R11BMI:W11 Self-reported body mass index=kg/m2	Cont
12	R12BMI	R12BMI:W12 Self-reported body mass index=kg/m2	Cont
13	R13BMI	R13BMI:W13 Self-reported body mass index=kg/m2	Cont
1	S1BMI	S1BMI:W1 Self-reported body mass index=kg/m2	Cont
2	S2BMI	S2BMI:W2 Self-reported body mass index=kg/m2	Cont
3	S3BMI	S3BMI:W3 Self-reported body mass index=kg/m2	Cont
4	S4BMI	S4BMI:W4 Self-reported body mass index=kg/m2	Cont
5	S5BMI	S5BMI:W5 Self-reported body mass index=kg/m2	Cont
6	S6BMI	S6BMI:W6 Self-reported body mass index=kg/m2	Cont
7	S7BMI	S7BMI:W7 Self-reported body mass index=kg/m2	Cont
8	S8BMI	S8BMI:W8 Self-reported body mass index=kg/m2	Cont
9	S9BMI	S9BMI:W9 Self-reported body mass index=kg/m2	Cont
10	S10BMI	S10BMI:W10 Self-reported body mass index=kg/m2	Cont
11	S11BMI	S11BMI:W11 Self-reported body mass index=kg/m2	Cont
12	S12BMI	S12BMI:W12 Self-reported body mass index=kg/m2	Cont
13	S13BMI	S13BMI:W13 Self-reported body mass index=kg/m2	Cont
1	R1HEIGHT	R1HEIGHT:W1 Self-reported height in meters	Cont
2	R2HEIGHT	R2HEIGHT:W2 Self-reported height in meters	Cont
3	R3HEIGHT	R3HEIGHT:W3 Self-reported height in meters	Cont
4	R4HEIGHT	R4HEIGHT:W4 Self-reported height in meters	Cont
5	R5HEIGHT	R5HEIGHT:W5 Self-reported height in meters	Cont
6	R6HEIGHT	R6HEIGHT:W6 Self-reported height in meters	Cont
7	R7HEIGHT	R7HEIGHT:W7 Self-reported height in meters	Cont
8	R8HEIGHT	R8HEIGHT:W8 Self-reported height in meters	Cont
9	R9HEIGHT	R9HEIGHT:W9 Self-reported height in meters	Cont
10	R10HEIGHT	R10HEIGHT:W10 Self-reported height in meters	Cont
11	R11HEIGHT	R11HEIGHT:W11 Self-reported height in meters	Cont
12	R12HEIGHT	R12HEIGHT:W12 Self-reported height in meters	Cont
13	R13HEIGHT	R13HEIGHT:W13 Self-reported height in meters	Cont
1	S1HEIGHT	S1HEIGHT:W1 Self-reported height in meters	Cont
2	S2HEIGHT	S2HEIGHT:W2 Self-reported height in meters	Cont
3	S3HEIGHT	S3HEIGHT:W3 Self-reported height in meters	Cont
4	S4HEIGHT	S4HEIGHT:W4 Self-reported height in meters	Cont
5	S5HEIGHT	S5HEIGHT:W5 Self-reported height in meters	Cont
6	S6HEIGHT	S6HEIGHT:W6 Self-reported height in meters	Cont
7	S7HEIGHT	S7HEIGHT:W7 Self-reported height in meters	Cont
8	S8HEIGHT	S8HEIGHT:W8 Self-reported height in meters	Cont
9	S9HEIGHT	S9HEIGHT:W9 Self-reported height in meters	Cont
10	S10HEIGHT	S10HEIGHT:W10 Self-reported height in meters	Cont
11	S11HEIGHT	S11HEIGHT:W11 Self-reported height in meters	Cont
12	S12HEIGHT	S12HEIGHT:W12 Self-reported height in meters	Cont
13	S13HEIGHT	S13HEIGHT:W13 Self-reported height in meters	Cont
1	R1WEIGHT	R1WEIGHT:W1 Self-reported weight in kilograms	Cont
2	R2WEIGHT	R2WEIGHT:W2 Self-reported weight in kilograms	Cont
3	R3WEIGHT	R3WEIGHT:W3 Self-reported weight in kilograms	Cont
4	R4WEIGHT	R4WEIGHT:W4 Self-reported weight in kilograms	Cont
5	R5WEIGHT	R5WEIGHT:W5 Self-reported weight in kilograms	Cont
6	R6WEIGHT	R6WEIGHT:W6 Self-reported weight in kilograms	Cont
7	R7WEIGHT	R7WEIGHT:W7 Self-reported weight in kilograms	Cont
8	R8WEIGHT	R8WEIGHT:W8 Self-reported weight in kilograms	Cont
9	R9WEIGHT	R9WEIGHT:W9 Self-reported weight in kilograms	Cont
10	R10WEIGHT	R10WEIGHT:W10 Self-reported weight in kilograms	Cont

11	R11WEIGHT	R11WEIGHT:W11 Self-reported weight in kilograms	Cont
12	R12WEIGHT	R12WEIGHT:W12 Self-reported weight in kilograms	Cont
13	R13WEIGHT	R13WEIGHT:W13 Self-reported weight in kilograms	Cont
1	S1WEIGHT	S1WEIGHT:W1 Self-reported weight in kilograms	Cont
2	S2WEIGHT	S2WEIGHT:W2 Self-reported weight in kilograms	Cont
3	S3WEIGHT	S3WEIGHT:W3 Self-reported weight in kilograms	Cont
4	S4WEIGHT	S4WEIGHT:W4 Self-reported weight in kilograms	Cont
5	S5WEIGHT	S5WEIGHT:W5 Self-reported weight in kilograms	Cont
6	S6WEIGHT	S6WEIGHT:W6 Self-reported weight in kilograms	Cont
7	S7WEIGHT	S7WEIGHT:W7 Self-reported weight in kilograms	Cont
8	S8WEIGHT	S8WEIGHT:W8 Self-reported weight in kilograms	Cont
9	S9WEIGHT	S9WEIGHT:W9 Self-reported weight in kilograms	Cont
10	S10WEIGHT	S10WEIGHT:W10 Self-reported weight in kilograms	Cont
11	S11WEIGHT	S11WEIGHT:W11 Self-reported weight in kilograms	Cont
12	S12WEIGHT	S12WEIGHT:W12 Self-reported weight in kilograms	Cont
13	S13WEIGHT	S13WEIGHT:W13 Self-reported weight in kilograms	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BMI	12652	27.10	5.18	12.8	102.7
R2BMI	19434	26.45	4.99	12.6	92.2
R3BMI	17773	26.53	5.11	10.8	75.5
R4BMI	21099	26.83	5.24	9.6	74.5
R5BMI	19289	27.04	5.37	11.5	75.5
R6BMI	17818	27.17	5.44	9.5	70.9
R7BMI	19750	27.45	5.67	9.6	71.3
R8BMI	18175	27.84	5.85	10.6	82.7
R9BMI	16983	27.99	5.90	10.6	74.4
R10BMI	21602	28.50	6.20	7.0	79.1
R11BMI	20244	28.50	6.23	8.9	83.0
R12BMI	18442	28.57	6.21	11.0	76.6
R13BMI	20578	28.96	6.36	10.3	92.8
S1BMI	9900	27.03	5.00	12.8	102.7
S2BMI	12960	26.61	4.82	12.6	92.2
S3BMI	11769	26.73	4.88	10.8	75.5
S4BMI	13798	27.07	5.04	12.6	74.5
S5BMI	12552	27.29	5.16	11.5	75.5
S6BMI	11429	27.45	5.19	9.5	70.9
S7BMI	12749	27.67	5.38	12.1	65.7
S8BMI	11558	28.03	5.57	10.6	82.7
S9BMI	10517	28.19	5.62	11.2	66.2
S10BMI	13226	28.63	5.89	9.7	79.1
S11BMI	12288	28.64	5.98	9.4	83.0
S12BMI	10818	28.76	5.95	11.5	76.6
S13BMI	11602	29.09	6.11	12.6	92.8
R1HEIGHT	12652	1.70	0.10	0.9	2.1
R2HEIGHT	19603	1.68	0.10	0.9	2.3
R3HEIGHT	17962	1.68	0.10	0.9	2.3
R4HEIGHT	21347	1.69	0.10	0.9	2.3
R5HEIGHT	19549	1.69	0.10	0.9	2.3
R6HEIGHT	18130	1.69	0.10	0.9	2.1
R7HEIGHT	20068	1.69	0.10	0.9	2.3
R8HEIGHT	18450	1.68	0.10	1.2	2.3
R9HEIGHT	17199	1.68	0.10	0.9	2.3
R10HEIGHT	21877	1.68	0.10	0.9	2.3

R11HEIGHT	20438	1.68	0.10	1.0	2.3
R12HEIGHT	18660	1.68	0.10	1.0	2.3
R13HEIGHT	20795	1.68	0.11	0.9	2.3
S1HEIGHT	9900	1.70	0.10	0.9	2.1
S2HEIGHT	13080	1.70	0.10	0.9	2.1
S3HEIGHT	11910	1.70	0.10	0.9	2.1
S4HEIGHT	13970	1.70	0.10	0.9	2.1
S5HEIGHT	12720	1.70	0.10	0.9	2.1
S6HEIGHT	11622	1.70	0.10	0.9	2.1
S7HEIGHT	12940	1.70	0.10	0.9	2.3
S8HEIGHT	11724	1.70	0.10	1.2	2.3
S9HEIGHT	10634	1.70	0.10	1.2	2.2
S10HEIGHT	13393	1.70	0.10	1.0	2.3
S11HEIGHT	12400	1.69	0.10	1.0	2.3
S12HEIGHT	10946	1.69	0.10	1.0	2.3
S13HEIGHT	11704	1.69	0.11	0.9	2.3
R1WEIGHT	12652	78.21	16.77	36.3	181.4
R2WEIGHT	19464	75.04	16.39	31.8	179.2
R3WEIGHT	17798	75.32	16.77	26.8	176.9
R4WEIGHT	21133	76.47	17.27	22.7	181.4
R5WEIGHT	19315	77.11	17.61	31.3	181.4
R6WEIGHT	17849	77.56	17.85	29.5	181.4
R7WEIGHT	19809	78.48	18.45	25.4	181.4
R8WEIGHT	18189	78.90	18.76	29.5	181.4
R9WEIGHT	16998	79.19	18.97	22.7	181.4
R10WEIGHT	21742	80.84	19.64	22.7	181.4
R11WEIGHT	20348	80.61	19.74	22.7	181.4
R12WEIGHT	18515	80.64	19.72	30.8	181.4
R13WEIGHT	20686	81.86	20.11	27.2	181.4
S1WEIGHT	9900	78.53	16.65	37.6	181.4
S2WEIGHT	12968	76.84	16.24	35.4	179.2
S3WEIGHT	11775	77.28	16.44	26.8	176.9
S4WEIGHT	13807	78.47	17.03	22.7	181.4
S5WEIGHT	12561	79.20	17.32	31.3	181.4
S6WEIGHT	11444	79.84	17.49	31.8	181.4
S7WEIGHT	12780	80.51	18.13	27.2	181.4
S8WEIGHT	11566	80.97	18.43	29.5	181.4
S9WEIGHT	10527	81.32	18.72	22.7	181.4
S10WEIGHT	13333	82.53	19.33	27.2	181.4
S11WEIGHT	12366	82.38	19.48	22.7	181.4
S12WEIGHT	10872	82.58	19.44	31.8	181.4
S13WEIGHT	11671	83.54	19.78	29.0	181.4

General Comments

RwBMI, RwHEIGHT, and RwWEIGHT are based on self-reported (or proxy-reported) data. Please refer to the "Physical Measures: BMI, Height, Weight, Waist" section for RwPMBMI, RwPMHGHT, and RwPMWGHT, which are based on physically-measured data.

How Constructed

RwBMI, RwHEIGHT, and RwWEIGHT are the Respondent's body mass index, height, and weight based on self-reported (or proxy-reported) data. SwBMI, SwHEIGHT, and SwWEIGHT are this information for the Respondent's spouse or partner.

BMI is calculated using the weight divided by the square height $\frac{weight}{height^2}$.

Height, given in feet and inches, is converted to meters. Weight is converted to kilograms. Height is frequently missing from Wave 3 forward. The Wave 1 or 2 height is used to fill missing heights in later waves.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3BMI is taken from the Wave 3 spouse's R3BMI.

Cross Wave Differences in Original HRS Data

Questions ask the Respondent's weight in pounds at each wave. The Respondent's height in feet and inches is asked of everyone in Waves 1 and 2H. In Wave 2A, height is asked in inches. From Wave 3 forward, only new interviewees are asked.

HRS Variables Used

HRS 1992:		
V515	B41:WEIGHT	: IMP
V517	B43:HEIGHT-FT	: IMP
V518	B43:HEIGHT-INCHES	: IMP
AHEAD 1993:		
B304	B22. WEIGHT NOW	
B306	B23. HEIGHT IN INCHES	
HRS 1994:		
W462	B45.WEIGHT	
W463	B45a.HEIGHT-FEET	
W464	B45a.HEIGHT-INCHES	
AHEAD 1995:		
D954	B22. WEIGHT W2	
D958	B22D. HEIGHT FEET	
D959	B22E. HEIGHT INCHES	
HRS 1996:		
E954	B22. WEIGHT W2	
E958	B22D. HEIGHT FEET	
E959	B22E. HEIGHT INCHES	
HRS 1998:		
F1291	B22. WEIGHT CURRENT WAVE	
F1295	B22D. HEIGHT FEET	
F1296	B22E. HEIGHT INCHES	
HRS 2000:		
G1425	B22. WEIGHT CURRENT WAVE	
G1428	B22D.HEIGHT FEET	
G1429	B22E.HEIGHT INCHES	
HRS 2002-2016:		
xC139	WEIGHT IN POUNDS	
xC141	HEIGHT FEET	
xC142	HEIGHT INCHES	

Back problems

Wave	Variable	Label	Type
1	R1BACK	R1BACK:W1 R had back problems	Categ
2	R2BACK	R2BACK:W2 R had back problems	Categ
3	R3BACK	R3BACK:W3 R had back problems	Categ
4	R4BACK	R4BACK:W4 R had back problems	Categ
5	R5BACK	R5BACK:W5 R had back problems	Categ
6	R6BACK	R6BACK:W6 R had back problems	Categ
7	R7BACK	R7BACK:W7 R had back problems	Categ
8	R8BACK	R8BACK:W8 R had back problems	Categ
9	R9BACK	R9BACK:W9 R had back problems	Categ
10	R10BACK	R10BACK:W10 R had back problems	Categ
11	R11BACK	R11BACK:W11 R had back problems	Categ
12	R12BACK	R12BACK:W12 R had back problems	Categ
13	R13BACK	R13BACK:W13 R had back problems	Categ
1	S1BACK	S1BACK:W1 S had back problems	Categ
2	S2BACK	S2BACK:W2 S had back problems	Categ
3	S3BACK	S3BACK:W3 S had back problems	Categ
4	S4BACK	S4BACK:W4 S had back problems	Categ
5	S5BACK	S5BACK:W5 S had back problems	Categ
6	S6BACK	S6BACK:W6 S had back problems	Categ
7	S7BACK	S7BACK:W7 S had back problems	Categ
8	S8BACK	S8BACK:W8 S had back problems	Categ
9	S9BACK	S9BACK:W9 S had back problems	Categ
10	S10BACK	S10BACK:W10 S had back problems	Categ
11	S11BACK	S11BACK:W11 S had back problems	Categ
12	S12BACK	S12BACK:W12 S had back problems	Categ
13	S13BACK	S13BACK:W13 S had back problems	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BACK	12652	0.34	0.47	0.0	1.0
R2BACK	19574	0.18	0.39	0.0	1.0
R3BACK	17976	0.32	0.46	0.0	1.0
R4BACK	5092	0.37	0.48	0.0	1.0
R5BACK	19565	0.33	0.47	0.0	1.0
R6BACK	231	0.41	0.49	0.0	1.0
R7BACK	20100	0.37	0.48	0.0	1.0
R8BACK	213	0.38	0.49	0.0	1.0
R9BACK	17195	0.36	0.48	0.0	1.0
R10BACK	6446	0.43	0.50	0.0	1.0
R11BACK	20503	0.39	0.49	0.0	1.0
R12BACK	182	0.49	0.50	0.0	1.0
R13BACK	20855	0.43	0.50	0.0	1.0
S1BACK	9900	0.34	0.47	0.0	1.0
S2BACK	13059	0.20	0.40	0.0	1.0
S3BACK	11909	0.31	0.46	0.0	1.0
S4BACK	3505	0.35	0.48	0.0	1.0
S5BACK	12725	0.32	0.47	0.0	1.0
S6BACK	214	0.42	0.49	0.0	1.0
S7BACK	12962	0.36	0.48	0.0	1.0
S8BACK	204	0.37	0.48	0.0	1.0
S9BACK	10638	0.35	0.48	0.0	1.0
S10BACK	4104	0.41	0.49	0.0	1.0

S11BACK	12461	0.38	0.48	0.0	1.0
S12BACK	171	0.47	0.50	0.0	1.0
S13BACK	11754	0.42	0.49	0.0	1.0

Categorical Variable Codes

RwBACK: R had back problems											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave	|				16290		17932		18255		15584
.D=DK/NA	|		1	9		11		27		20	3
.M=Oth missing	|		60	2	1		1		1		
.R=RF	|		7	4	1	2	1	2		2	1
0.No	|	8313	15953	12313	3232	13090	136	12747	132	10954	3649
1.Yes	|	4339	3621	5663	1860	6475	95	7353	81	6241	2797
Value		w11	w12	w13							
.A=Asked prv wave	|		18564								
.D=DK/NA	|	48	1	50							
.M=Oth missing	|	1		2							
.R=RF	|	2		5							
0.No	|	12475	93	11829							
1.Yes	|	8028	89	9026							
SwBACK: S had back problems											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave	|				10473		11423		11530		9406
.D=DK/NA	|		1	4		4		10		6	2
.M=Oth missing	|		23	2	1		1		1		
.R=RF	|		7	2	1	1	1			2	1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	6577	10437	8260	2267	8629	124	8302	128	6922	2408
1.Yes	|	3323	2622	3649	1238	4096	90	4660	76	3716	1696
Value		w11	w12	w13							
.A=Asked prv wave	|		10840								
.D=DK/NA	|	26	1	24							
.M=Oth missing	|	1									
.R=RF	|			1							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	7787	91	6870							
1.Yes	|	4674	80	4884							

How Constructed

RwBACK indicates whether the Respondent reports back problems. SwBACK is the same information for the Respondent's spouse or partner.

Except in Wave 2, the derivation simply recodes the HRS raw variable for missing values into a yes/no indicator and sets missing values to missing codes. In Wave 2, there is a series of variables that list health problems by code. If any of these variables indicates back problems RwBACK is set to "yes;" if not, it is set to "no."

Note that this question is asked of re-interviewees every other wave from Wave 4 forward. When the question is skipped because it is a re-interview in an alternate year, RwBACK is set to .A, asked in previous wave. For odd numbered waves beginning in Wave 5, the question is asked of everyone.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3BACK is taken from the Wave 3 spouse's R3BACK.

Cross Wave Differences in Original HRS Data

The wording of this question varies across waves. In Waves 1 and 2H, the question asks:

"Do you have any of the following health problems? Problems with your back?"

In Wave 2A, the question asks:

"Do you have any other major health problems which you haven't told me about?"

Then following are lists of different health problems.

From Wave 3 forward, the question asks:

"[Since we last talked to you in (previous interview month)] Have you had any of the following persistent or troublesome problems? Back pain or problems?"

The answers can be yes or no in all waves. In all waves except Wave 2, the answers are coded in a single variable for back problems. In Wave 2, the answers are given in a series of variables that code which health problems the Respondent reported. The code for back problems is 2 in Wave 2H and 112 in Wave 2A.

In every other wave beginning with Wave 4, only new Respondents are asked the question. In these waves (even-numbered waves from Wave 4 forward), it is skipped for re-interviewees. In the other waves (odd-numbered waves from Wave 5 forward), the question is asked of everyone.

HRS Variables Used

HRS 1992:	
V431	B26B:PROBLEMS WITH B:IMP
AHEAD 1993:	
B294	B18. OTHER HEALTH PROBLEMS
B295A1	B18a. OTHER HEALTH PROBLEM-1
B295A2	B18a. OTHER HEALTH PROBLEM-2
HRS 1994:	
W396	B25a-g.HEALTH PROBLEMS
W397	B25a-g.HEALTH PROBLEMS
W398	B25a-g.HEALTH PROBLEMS
W399	B25a-g.HEALTH PROBLEMS
W400	B25a-g.HEALTH PROBLEMS
W401	B25a-g.HEALTH PROBLEMS
AHEAD 1995:	

D968	B23G. SYMPTOMS-BACK PAIN
HRS 1996:	
E970	B23G. SYMPTOMS-BACK PAIN
HRS 1998:	
F1307	B23G. SYMPTOMS-BACK PAIN
HRS 2000:	
G1440	B23G.SYMPTOMS-BACK PAIN
HRS 2002-2016:	
xC146	BACK PAIN OR PROBLEMS

Ulcer

Wave	Variable	Label	Type
1	R1ULCER	R1ULCER:W1 Rs had ulcers	Categ
2	R2ULCER	R2ULCER:W2 Rs had ulcers	Categ
1	S1ULCER	S1ULCER:W1 Rs had ulcers	Categ
2	S2ULCER	S2ULCER:W2 Rs had ulcers	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ULCER	12652	0.09	0.29	0.0	1.0
R2ULCER	19574	0.06	0.23	0.0	1.0
S1ULCER	9900	0.09	0.28	0.0	1.0
S2ULCER	13059	0.06	0.23	0.0	1.0

Categorical Variable Codes

RwULCER: Rs had ulcers										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1								
.M=Oth missing		60								
.R=RF		7								
0.No	11454	18456								
1.Yes	1198	1118								

Value	w11	w12	w13
.D=DK/NA			
.M=Oth missing			
.R=RF			
0.No			
1.Yes			

SwULCER: Rs had ulcers											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		1								
.M=Oth missing	|		23								
.R=RF	|		7								
.U=Unmarried	|	2373	5968								
.V=Spouse NR	|	379	584								
0.No	|	9025	12322								
1.Yes	|	875	737								

Value		w11	w12	w13
.D=DK/NA	|			
.M=Oth missing	|			
.R=RF	|			
.U=Unmarried	|			
.V=Spouse NR	|			
0.No	|			
1.Yes	|			

How Constructed

RwULCER indicates whether the Respondent reports any stomach or intestinal ulcers. SwULCER is the same information for the Respondent's spouse or partner.

The Wave 1 derivation simply recodes the HRS raw variable for missing values into a yes/no indicator and sets missing values to missing codes. In Wave 2, there is a series of variables that list health problems by code. If any of these variables indicates stomach or intestinal ulcers RwULCER is set to "yes;" if not, it is set to "no."

The question is not asked after Wave 2.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S2ULCER is taken from the Wave 2 spouse's R2ULCER.

Cross Wave Differences in Original HRS Data

The question about ulcers is asked only in Waves 1 and 2:

In Waves 1 and 2H, the question asks:

"Do you have any of the following health problems? Stomach or intestinal ulcers?"

In waves 2A, the question asks:

"Do you have any other major health problems which you haven't told me about?"

Then following are lists of health problems.

The answers can be "yes" or "no" in these waves. In Wave 1 the answers are coded in a single variable for ulcers. In Wave 2, the answers are given in a series of variables that code which health problems the Respondent reported. The code for ulcers is 5 in Wave 2H, and 151 in Wave 2A.

HRS Variables Used

HRS 1992:	
V434	B26E:STOMCH/INTEST U:IMP
AHEAD 1993:	
B294	B18. OTHER HEALTH PROBLEMS
B295A1	B18a. OTHER HEALTH PROBLEM-1
B295A2	B18a. OTHER HEALTH PROBLEM-2
HRS 1994:	
W396	B25a-g.HEALTH PROBLEMS
W397	B25a-g.HEALTH PROBLEMS
W398	B25a-g.HEALTH PROBLEMS
W399	B25a-g.HEALTH PROBLEMS
W400	B25a-g.HEALTH PROBLEMS
W401	B25a-g.HEALTH PROBLEMS

Health behaviors: Physical Activity or Exercise

Wave	Variable	Label	Type
1	R1VIGACT	R1VIGACT:W1 R Wtr vigorous phys act 3+/wk	Categ
2	R2VIGACT	R2VIGACT:W2 R Wtr vigorous phys act 3+/wk	Categ
3	R3VIGACT	R3VIGACT:W3 R Wtr vigorous phys act 3+/wk	Categ
4	R4VIGACT	R4VIGACT:W4 R Wtr vigorous phys act 3+/wk	Categ
5	R5VIGACT	R5VIGACT:W5 R Wtr vigorous phys act 3+/wk	Categ
6	R6VIGACT	R6VIGACT:W6 R Wtr vigorous phys act 3+/wk	Categ
1	S1VIGACT	S1VIGACT:W1 S Wtr vigorous phys act 3+/wk	Categ
2	S2VIGACT	S2VIGACT:W2 S Wtr vigorous phys act 3+/wk	Categ
3	S3VIGACT	S3VIGACT:W3 S Wtr vigorous phys act 3+/wk	Categ
4	S4VIGACT	S4VIGACT:W4 S Wtr vigorous phys act 3+/wk	Categ
5	S5VIGACT	S5VIGACT:W5 S Wtr vigorous phys act 3+/wk	Categ
6	S6VIGACT	S6VIGACT:W6 S Wtr vigorous phys act 3+/wk	Categ
1	R1VGACTF	R1VGACTF:W1 R Freq vigorous phys activ	Categ
1	S1VGACTF	S1VGACTF:W1 S Freq vigorous phys activ	Categ
1	R1HSWRKF	R1HSWRKF:W1 R Freq heavy housework	Categ
1	S1HSWRKF	S1HSWRKF:W1 S Freq heavy housework	Categ
2	R2VGACTN	R2VGACTN:W2 R # times/per vigor phys act	Cont
2	S2VGACTN	S2VGACTN:W2 S # times/per vigor phys act	Cont
2	R2VGACTP	R2VGACTP:W2 R Period vigor phys activ	Categ
2	S2VGACTP	S2VGACTP:W2 S Period vigor phys activ	Categ
1	R1LHTACT	R1LHTACT:W1 R Wtr light phys activ 3+/wk	Categ
2	R2LHTACT	R2LHTACT:W2 R Wtr light phys activ 3+/wk	Categ
1	S1LHTACT	S1LHTACT:W1 S Wtr light phys activ 3+/wk	Categ
2	S2LHTACT	S2LHTACT:W2 S Wtr light phys activ 3+/wk	Categ
1	R1LTACTF	R1LTACTF:W1 R Freq light phys activities	Categ
1	S1LTACTF	S1LTACTF:W1 S Freq light phys activities	Categ
2	R2LTACTN	R2LTACTN:W2 R # times/per light phys act	Cont
2	S2LTACTN	S2LTACTN:W2 S # times/per light phys act	Cont
2	R2LTACTP	R2LTACTP:W2 R Period light phys activ	Categ
2	S2LTACTP	S2LTACTP:W2 S Period light phys activ	Categ
7	R7VGACTX	R7VGACTX:W7 R Freq vigorous phys activ {finer scale}	Categ
8	R8VGACTX	R8VGACTX:W8 R Freq vigorous phys activ {finer scale}	Categ
9	R9VGACTX	R9VGACTX:W9 R Freq vigorous phys activ {finer scale}	Categ
10	R10VGACTX	R10VGACTX:W10 R Freq vigorous phys activ {finer scale}	Categ
11	R11VGACTX	R11VGACTX:W11 R Freq vigorous phys activ {finer scale}	Categ
12	R12VGACTX	R12VGACTX:W12 R Freq vigorous phys activ {finer scale}	Categ
13	R13VGACTX	R13VGACTX:W13 R Freq vigorous phys activ {finer scale}	Categ
7	S7VGACTX	S7VGACTX:W7 S Freq vigorous phys activ {finer scale}	Categ
8	S8VGACTX	S8VGACTX:W8 S Freq vigorous phys activ {finer scale}	Categ
9	S9VGACTX	S9VGACTX:W9 S Freq vigorous phys activ {finer scale}	Categ
10	S10VGACTX	S10VGACTX:W10 S Freq vigorous phys activ {finer scale}	Categ
11	S11VGACTX	S11VGACTX:W11 S Freq vigorous phys activ {finer scale}	Categ
12	S12VGACTX	S12VGACTX:W12 S Freq vigorous phys activ {finer scale}	Categ
13	S13VGACTX	S13VGACTX:W13 S Freq vigorous phys activ {finer scale}	Categ
7	R7MDACTX	R7MDACTX:W7 R Freq moderate phys activ {finer scale}	Categ
8	R8MDACTX	R8MDACTX:W8 R Freq moderate phys activ {finer scale}	Categ

9	R9MDACTX	R9MDACTX:W9 R Freq moderate phys activ {finer scale}	Categ
10	R10MDACTX	R10MDACTX:W10 R Freq moderate phys activ {finer scale}	Categ
11	R11MDACTX	R11MDACTX:W11 R Freq moderate phys activ {finer scale}	Categ
12	R12MDACTX	R12MDACTX:W12 R Freq moderate phys activ {finer scale}	Categ
13	R13MDACTX	R13MDACTX:W13 R Freq moderate phys activ {finer scale}	Categ
7	S7MDACTX	S7MDACTX:W7 S Freq moderate phys activ {finer scale}	Categ
8	S8MDACTX	S8MDACTX:W8 S Freq moderate phys activ {finer scale}	Categ
9	S9MDACTX	S9MDACTX:W9 S Freq moderate phys activ {finer scale}	Categ
10	S10MDACTX	S10MDACTX:W10 S Freq moderate phys activ {finer scale}	Categ
11	S11MDACTX	S11MDACTX:W11 S Freq moderate phys activ {finer scale}	Categ
12	S12MDACTX	S12MDACTX:W12 S Freq moderate phys activ {finer scale}	Categ
13	S13MDACTX	S13MDACTX:W13 S Freq moderate phys activ {finer scale}	Categ
7	R7LTACTX	R7LTACTX:W7 R Freq light phys activ {finer scale}	Categ
8	R8LTACTX	R8LTACTX:W8 R Freq light phys activ {finer scale}	Categ
9	R9LTACTX	R9LTACTX:W9 R Freq light phys activ {finer scale}	Categ
10	R10LTACTX	R10LTACTX:W10 R Freq light phys activ {finer scale}	Categ
11	R11LTACTX	R11LTACTX:W11 R Freq light phys activ {finer scale}	Categ
12	R12LTACTX	R12LTACTX:W12 R Freq light phys activ {finer scale}	Categ
13	R13LTACTX	R13LTACTX:W13 R Freq light phys activ {finer scale}	Categ
7	S7LTACTX	S7LTACTX:W7 S Freq light phys activ {finer scale}	Categ
8	S8LTACTX	S8LTACTX:W8 S Freq light phys activ {finer scale}	Categ
9	S9LTACTX	S9LTACTX:W9 S Freq light phys activ {finer scale}	Categ
10	S10LTACTX	S10LTACTX:W10 S Freq light phys activ {finer scale}	Categ
11	S11LTACTX	S11LTACTX:W11 S Freq light phys activ {finer scale}	Categ
12	S12LTACTX	S12LTACTX:W12 S Freq light phys activ {finer scale}	Categ
13	S13LTACTX	S13LTACTX:W13 S Freq light phys activ {finer scale}	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1VIGACT	12652	0.19	0.40	0.0	1.0
R2VIGACT	11082	0.22	0.41	0.0	1.0
R3VIGACT	17982	0.42	0.49	0.0	1.0
R4VIGACT	21373	0.42	0.49	0.0	1.0
R5VIGACT	19572	0.42	0.49	0.0	1.0
R6VIGACT	18158	0.40	0.49	0.0	1.0
S1VIGACT	9900	0.19	0.39	0.0	1.0
S2VIGACT	8470	0.23	0.42	0.0	1.0
S3VIGACT	11912	0.47	0.50	0.0	1.0
S4VIGACT	13975	0.46	0.50	0.0	1.0
S5VIGACT	12725	0.47	0.50	0.0	1.0
S6VIGACT	11633	0.45	0.50	0.0	1.0
R1VGACTF	12652	3.84	1.45	1.0	5.0
S1VGACTF	9900	3.80	1.45	1.0	5.0
R1HSWRKF	12652	3.39	1.28	1.0	5.0
S1HSWRKF	9900	3.45	1.28	1.0	5.0
R2VGACTN	11073	1.55	10.84	0.0	365.0
S2VGACTN	8460	1.42	6.60	0.0	365.0
R2VGACTP	5833	3.68	3.11	2.0	11.0

S2VGACTP	4545	3.69	3.11	2.0	11.0
R1LHTACT	12652	0.52	0.50	0.0	1.0
R2LHTACT	11150	0.68	0.46	0.0	1.0
S1LHTACT	9900	0.53	0.50	0.0	1.0
S2LHTACT	8532	0.69	0.46	0.0	1.0
R1LTACTF	12652	2.02	1.35	1.0	5.0
S1LTACTF	9900	1.99	1.32	1.0	5.0
R2LTACTN	11003	4.64	25.98	0.0	485.0
S2LTACTN	8414	4.61	25.53	0.0	485.0
R2LTACTP	9546	5.54	4.31	2.0	11.0
S2LTACTP	7405	5.55	4.32	2.0	11.0
R7VGACTX	20109	4.07	1.30	1.0	5.0
R8VGACTX	18445	4.08	1.32	1.0	5.0
R9VGACTX	17207	4.07	1.31	1.0	5.0
R10VGACTX	21985	3.96	1.32	1.0	5.0
R11VGACTX	20489	3.94	1.32	1.0	5.0
R12VGACTX	18667	3.94	1.32	1.0	5.0
R13VGACTX	20808	3.93	1.32	1.0	5.0
S7VGACTX	12959	3.93	1.34	1.0	5.0
S8VGACTX	11724	3.94	1.36	1.0	5.0
S9VGACTX	10637	3.92	1.35	1.0	5.0
S10VGACTX	13492	3.83	1.34	1.0	5.0
S11VGACTX	12449	3.81	1.34	1.0	5.0
S12VGACTX	10970	3.82	1.34	1.0	5.0
S13VGACTX	11721	3.83	1.33	1.0	5.0
R7MDACTX	20116	2.99	1.30	1.0	5.0
R8MDACTX	18454	2.92	1.37	1.0	5.0
R9MDACTX	17208	2.96	1.36	1.0	5.0
R10MDACTX	22001	3.06	1.32	1.0	5.0
R11MDACTX	20520	3.03	1.31	1.0	5.0
R12MDACTX	18689	3.07	1.33	1.0	5.0
R13MDACTX	20830	3.00	1.31	1.0	5.0
S7MDACTX	12963	2.86	1.23	1.0	5.0
S8MDACTX	11727	2.78	1.31	1.0	5.0
S9MDACTX	10641	2.83	1.30	1.0	5.0
S10MDACTX	13503	2.93	1.26	1.0	5.0
S11MDACTX	12463	2.91	1.26	1.0	5.0
S12MDACTX	10984	2.95	1.27	1.0	5.0
S13MDACTX	11739	2.90	1.25	1.0	5.0
R7LTACTX	20118	2.69	1.11	1.0	5.0
R8LTACTX	18459	2.62	1.18	1.0	5.0
R9LTACTX	17206	2.64	1.19	1.0	5.0
R10LTACTX	22009	2.73	1.16	1.0	5.0
R11LTACTX	20518	2.74	1.16	1.0	5.0
R12LTACTX	18720	2.77	1.16	1.0	5.0
R13LTACTX	20851	2.69	1.14	1.0	5.0

S7LTACTX	12967	2.60	1.06	1.0	5.0
S8LTACTX	11729	2.51	1.13	1.0	5.0
S9LTACTX	10642	2.53	1.14	1.0	5.0
S10LTACTX	13501	2.64	1.11	1.0	5.0
S11LTACTX	12467	2.63	1.11	1.0	5.0
S12LTACTX	11004	2.67	1.12	1.0	5.0
S13LTACTX	11747	2.61	1.10	1.0	5.0

Categorical Variable Codes

RwVIGACT: R Wtr vigorous phys act 3+/wk

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		25	5	9	5	7				
.M=Oth missing	|		309	3							
.Q=Not asked this wv	|		8222								
.R=RF	|		4	1	2	1					
0.No	|	10199	8689	10352	12337	11367	10884				
1.Yes	|	2453	2393	7630	9036	8205	7274				

Value		w11	w12	w13
.D=DK/NA	|			
.M=Oth missing	|			
.Q=Not asked this wv	|			
.R=RF	|			
0.No	|			
1.Yes	|			

SwVIGACT: S Wtr vigorous phys act 3+/wk

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		16	2	4	4	6				
.M=Oth missing	|		252	3							
.Q=Not asked this wv	|		4549								
.R=RF	|		3		1	1					
.U=Unmarried	|	2373	5968	5657	6868	6537	6306				
.V=Spouse NR	|	379	384	417	536	311	220				
0.No	|	8001	6561	6321	7491	6802	6356				
1.Yes	|	1899	1909	5591	6484	5923	5277				

Value		w11	w12	w13
.D=DK/NA	|			
.M=Oth missing	|			
.Q=Not asked this wv	|			
.R=RF	|			
.U=Unmarried	|			
.V=Spouse NR	|			
0.No	|			
1.Yes	|			

RwVGACTF: R Freq vigorous phys activ

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.3+ per week	|	1609									
2.1-2 per week	|	1239									
3.1-3 per mon	|	1034									
4.Lt 1 per mon	|	2424									
5.Never	|	6346									

Value		w11	w12	w13
1.3+ per week	|			
2.1-2 per week	|			
3.1-3 per mon	|			
4.Lt 1 per mon	|			
5.Never	|			

SwVGACTF: S Freq vigorous phys activ

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373									
.V=Spouse NR	|	379									
1.3+ per week	|	1291									
2.1-2 per week	|	999									
3.1-3 per mon	|	861									
4.Lt 1 per mon	|	1983									
5.Never	|	4766									

Value		w11	w12	w13
.U=Unmarried	|			
.V=Spouse NR	|			
1.3+ per week	|			
2.1-2 per week	|			
3.1-3 per mon	|			
4.Lt 1 per mon	|			
5.Never	|			

RwHSWRKF: R Freq heavy housework

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.3+ per week	|	994									
2.1-2 per week	|	2668									
3.1-3 per mon	|	2663									
4.Lt 1 per mon	|	3055									
5.Never	|	3272									

Value		w11	w12	w13
1.3+ per week	|			
2.1-2 per week	|			
3.1-3 per mon	|			
4.Lt 1 per mon	|			
5.Never	|			

SwHSWRKF: S Freq heavy housework

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373									
.V=Spouse NR	|	379									
1.3+ per week	|	715									
2.1-2 per week	|	1992									
3.1-3 per mon	|	2057									
4.Lt 1 per mon	|	2443									
5.Never	|	2693									

Value		w11	w12	w13
.U=Unmarried	|			
.V=Spouse NR	|			
1.3+ per week	|			
2.1-2 per week	|			
3.1-3 per mon	|			
4.Lt 1 per mon	|			
5.Never	|			

RwVGACTP: R Period vigor phys activ

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=All the time		1								
.D=DK/NA		2								
.M=Oth missing		343								
.Q=Not asked this wv		8222								
.R=RF		4								
.Z=None		5237								
02.Per week		4017								
04.Per month		779								
06.Per year		175								
07.Per other		52								
11.Per day		810								

Value	w11	w12	w13
.A=All the time			
.D=DK/NA			
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			
.Z=None			
02.Per week			
04.Per month			
06.Per year			
07.Per other			
11.Per day			

SwVGACTP: S Period vigor phys activ

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=All the time		1								
.D=DK/NA		2								
.M=Oth missing		278								
.Q=Not asked this wv		4549								
.R=RF		3								
.U=Unmarried		5968								
.V=Spouse NR		384								
.Z=None		3912								
02.Per week		3126								
04.Per month		607								
06.Per year		135								
07.Per other		43								
11.Per day		634								

Value	w11	w12	w13
.A=All the time			
.D=DK/NA			
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			
.U=Unmarried			
.V=Spouse NR			
.Z=None			
02.Per week			
04.Per month			
06.Per year			
07.Per other			
11.Per day			

RwLHTACT: R Wtr light phys activ 3+/wk

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		20								
.M=Oth missing		249								
.Q=Not asked this wv		8222								
.R=RF		1								
0.No	6043	3524								
1.Yes	6609	7626								

Value	w11	w12	w13
.D=DK/NA			
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			
0.No			
1.Yes			

SwLHTACT: S Wtr light phys activ 3+/wk

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		13								
.M=Oth missing		195								
.Q=Not asked this wv		4549								
.R=RF		1								
.U=Unmarried	2373	5968								
.V=Spouse NR	379	384								
0.No	4666	2607								
1.Yes	5234	5925								

Value	w11	w12	w13
.D=DK/NA			
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			
.U=Unmarried			
.V=Spouse NR			
0.No			
1.Yes			

RwLTACTF: R Freq light phys activities

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.3+ per week	|	6609									
2.1-2 per week	|	2676									
3.1-3 per mon	|	1136									
4.Lt 1 per mon	|	942									
5.Never	|	1289									

Value		w11	w12	w13
1.3+ per week	|			
2.1-2 per week	|			
3.1-3 per mon	|			
4.Lt 1 per mon	|			
5.Never	|			

SwLTACTF: S Freq light phys activities

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373									
.V=Spouse NR	|	379									
1.3+ per week	|	5234									
2.1-2 per week	|	2126									
3.1-3 per mon	|	887									
4.Lt 1 per mon	|	740									
5.Never	|	913									

Value		w11	w12	w13
.U=Unmarried	|			
.V=Spouse NR	|			
1.3+ per week	|			
2.1-2 per week	|			
3.1-3 per mon	|			
4.Lt 1 per mon	|			
5.Never	|			

RwLTACTP: R Period light phys activ

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=All the time		1								
.D=DK/NA		4								
.M=Oth missing		418								
.Q=Not asked this wv		8222								
.Z=None		1451								
02.Per week		5478								
04.Per month		323								
06.Per year		105								
07.Per other		12								
11.Per day		3628								

Value	w11	w12	w13
.A=All the time			
.D=DK/NA			
.M=Oth missing			
.Q=Not asked this wv			
.Z=None			
02.Per week			
04.Per month			
06.Per year			
07.Per other			
11.Per day			

SwLTACTP: S Period light phys activ

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=All the time		1								
.D=DK/NA		4								
.M=Oth missing		328								
.Q=Not asked this wv		4549								
.U=Unmarried		5968								
.V=Spouse NR		384								
.Z=None		1003								
02.Per week		4255								
04.Per month		238								
06.Per year		79								
07.Per other		8								
11.Per day		2825								

Value	w11	w12	w13
.A=All the time			
.D=DK/NA			
.M=Oth missing			
.Q=Not asked this wv			
.U=Unmarried			
.V=Spouse NR			
.Z=None			
02.Per week			
04.Per month			
06.Per year			
07.Per other			
11.Per day			

RwVGACTX: R Freq vigorous phys activ {finer scale}

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|							17	18	9	39
.M=Oth missing	|								2		
.R=RF	|							3	4	1	10
1.Every day	|							385	520	456	531
2.>1 per week	|							4169	3578	3361	4809
3.1 per week	|							1590	1458	1403	2201
4.1-3 per mon	|							1464	1190	1260	2021
5.Never	|							12501	11699	10727	12423

Value		w11	w12	w13
.D=DK/NA	|	61	76	95
.M=Oth missing	|	1		2
.R=RF	|	3	4	7
1.Every day	|	450	478	498
2.>1 per week	|	4527	4024	4548
3.1 per week	|	2248	1971	2234
4.1-3 per mon	|	1890	1814	2066
5.Never	|	11374	10380	11462

SwVGACTX: S Freq vigorous phys activ {finer scale}

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|							10	8	8	16
.M=Oth missing	|								1		
.R=RF	|							3	2	1	5
.U=Unmarried	|							6777	6417	6206	7799
.V=Spouse NR	|							380	317	365	722
1.Every day	|							283	377	318	342
2.>1 per week	|							3084	2626	2427	3331
3.1 per week	|							1189	1070	1015	1512
4.1-3 per mon	|							1092	862	892	1422
5.Never	|							7311	6789	5985	6885

Value		w11	w12	w13
.D=DK/NA	|	38	41	52
.M=Oth missing	|	1		
.R=RF	|		1	6
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
1.Every day	|	289	282	292
2.>1 per week	|	3110	2695	2822
3.1 per week	|	1504	1273	1395
4.1-3 per mon	|	1333	1222	1337
5.Never	|	6213	5498	5875

RwMDACTX: R Freq moderate phys activ {finer scale}

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|							11	11	8	28
.M=Oth missing	|								2		
.R=RF	|							2	2	1	5
1.Every day	|							1096	1909	1777	1530
2.>1 per week	|							9284	7939	6949	8754
3.1 per week	|							3163	2649	2709	3868
4.1-3 per mon	|							1914	1549	1703	2565
5.Never	|							4659	4408	4070	5284

Value		w11	w12	w13
.D=DK/NA	|	31	56	77
.M=Oth missing	|	1		2
.R=RF	|	2	2	3
1.Every day	|	1467	1336	1619
2.>1 per week	|	8351	7310	8444
3.1 per week	|	3582	3254	3672
4.1-3 per mon	|	2439	2250	2569
5.Never	|	4681	4539	4526

SwMDACTX: S Freq moderate phys activ {finer scale}

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|							7	6	4	7
.M=Oth missing	|								1		
.R=RF	|							2	1	1	3
.U=Unmarried	|							6777	6417	6206	7799
.V=Spouse NR	|							380	317	365	722
1.Every day	|							706	1285	1106	940
2.>1 per week	|							6439	5475	4682	5841
3.1 per week	|							2207	1744	1791	2487
4.1-3 per mon	|							1249	988	1059	1640
5.Never	|							2362	2235	2003	2595

Value		w11	w12	w13
.D=DK/NA	|	24	27	38
.M=Oth missing	|	1		
.R=RF	|		1	2
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
1.Every day	|	892	757	852
2.>1 per week	|	5466	4681	5150
3.1 per week	|	2277	2047	2175
4.1-3 per mon	|	1537	1342	1460
5.Never	|	2291	2157	2102

RwLTACTX: R Freq light phys activ {finer scale}

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							8	7	10	17
.M=Oth missing								2		
.R=RF							3	1	1	8
1.Every day							1074	2158	2090	1875
2.>1 per week							10649	8841	7828	9874
3.1 per week							4503	3840	3834	5553
4.1-3 per mon							1301	1187	1076	1744
5.Never							2591	2433	2378	2963

Value	w11	w12	w13
.D=DK/NA	31	24	55
.M=Oth missing	1		2
.R=RF	4	3	4
1.Every day	1713	1499	1983
2.>1 per week	9126	8091	9242
3.1 per week	5262	4942	5407
4.1-3 per mon	1625	1577	1690
5.Never	2792	2611	2529

SwLTACTX: S Freq light phys activ {finer scale}

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA							2	5	3	9
.M=Oth missing								1		
.R=RF							3		1	3
.U=Unmarried							6777	6417	6206	7799
.V=Spouse NR							380	317	365	722
1.Every day							738	1501	1402	1215
2.>1 per week							7293	5987	5167	6545
3.1 per week							2698	2254	2220	3164
4.1-3 per mon							877	751	692	1070
5.Never							1361	1236	1161	1507

Value	w11	w12	w13
.D=DK/NA	19	7	30
.M=Oth missing	1		
.R=RF	1	1	2
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.Every day	1131	934	1161
2.>1 per week	6014	5244	5577
3.1 per week	2973	2627	2861
4.1-3 per mon	1000	938	959
5.Never	1349	1261	1189

How Constructed

R1LTACTF gives the Respondent's frequency of light physical activity or exercise. R1VGACTF gives the Respondent's frequency of vigorous physical activity, and R1HSWRKF gives the frequency of doing heavy housework. R2LTACTN and R2LTACTP give the Respondent's frequency of light physical activity as number of times and over what period, respectively. R2VGACTN and R2VGACTP give the same for the Respondent's frequency of vigorous physical activity. RwLHTACT and RwVIGACT indicate whether the

Respondent participates in light and vigorous physical activity, respectively, 3 or more times a week.

S1LTACTF, S1VGACTF, S1HSWRKF, S2LTACTN, S2LTACTP, S2VGACTN, S2VGACTP, SwLHTACT, and SwVIGACT give this information for the Respondent's spouse or partner.

In Wave 2A, questions are not asked about either light or vigorous activity. For AHEAD Respondents in Wave 2, R2VIGACT, R2VGACTF, R2HSWRKF, R2VGACTN, R2VGACTP, R2LHTACT, R2LTACTF, R2LTACTN AND R2LTACTP are set to the .Q SAS special missing value, to indicate that no information is available.

The raw categorical Wave 1 variables are simply recoded for missings in R1LTACTF, R1VGACTF, and R1HSWRKF. The raw Wave 2H variables are recoded for missings with R2LTACTN and R2VGACTN set to number of times and R2LTACTP and R2VGACTP set to the period. For R2LTACTN/S2LTACTN, there is a code in the raw HRS data for "All the time; All day at work." For R2VGACTN/S2VGACTN, there is a similar code in the raw HRS data for "Job requires vigorous activity." Both of these designations are recoded to the .L SAS special missing value.

R1LHTACT, R2LHTACT, R1VIGACT, and R2VIGACT are attempts to make Wave 1 and 2H variables that are compatible with yes/no answers for physical activity in later waves which ask if the Respondent participates in vigorous activity 3 or more times per week. For Wave 1, the derivation sets R1LHTACT to "yes" if R1LTACTF is 3+ times a week, and to "no" otherwise. The derivation for R1VIGACT combines the vigorous activity and heavy housework questions. If either is 3+ times/week, then R1VIGACT is set to "yes."

In Wave 2H, the derivation sets R2LHTACT based on the number of times and frequencies to arrive at a yes/no answer for 3+ times per week. It is made "yes" if the period is day, or if the Respondent answers 3+ times per week, 12+ times per month, or 156+ times a year. The derivation for R2VIGACT is the same.

From Wave 3 to Wave 6, the RwVIGACT derivation recodes the raw variable to "1" if the Respondent answers "yes," participates in vigorous physical activity 3 or more times a week, and to "0" for "no." The question about light physical activity is not asked.

From Wave 7 forward, the single question about vigorous physical activity is replaced with three questions about physical activity, which offer the choice of vigorous, moderate or light physical activity occurring every day, more than once per week, once per week, one to three times per month, or never. These measures are derived as RwVGACTX, RwMDACTX, RwLTACTX, SwVGACTX, SwMDACTX and SwLTACTX.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S2VIGACT is taken from the Wave 2 spouse's R2VIGACT variable.

Cross Wave Differences in Original HRS Data

In Wave 1, three questions ask about light physical activity, vigorous physical activity, and doing heavy housework:

"The next few questions are about exercise. How often do you participate in light physical activity—such as walking, dancing, gardening, golfing, bowling, etc?"

"How often do you participate in vigorous physical exercise or sports—such as aerobics, running, swimming, or bicycling?"

"How often do you do heavy housework like scrubbing floors or washing windows?"

The answers are 5-category frequencies: 3+ times/week, 1-2 times/week, 1-2 times/month, less than 1/month, and never.

In Wave 2H, the question wording about light physical activity is similar but the question about vigorous physical activity includes doing heavy housework and both questions are answered in two parts:

"The next few questions are about physical activities. Please tell me how often you participate in light physical activity—such as walking, dancing, gardening, golfing, bowling, etc?"

"How often do you participate in vigorous physical activity or sports—such as heavy housework, aerobics, running, swimming, or bicycling?"

The answers are given as how many times and over what period.

In Wave 2A, the questions are not asked.

From Waves 3 through 6, the question about light physical activity is not asked. The only question about physical activity asks:

"On average over the last 12 months have you participated in vigorous physical activity or exercise three times a week or more? By vigorous physical activity, we mean things like sports, heavy housework, or a job that involves physical labor."

The answers are given as "yes" or "no," for 3 or more times per week.

Because of wording differences, even with the attempt to recode to a consistent measure, the RwVIGACT variables seem to be significantly different measures across waves. In Waves 1 and 2H, the questions asking about vigorous physical activity do not specify including a job that involves physical labor. Whereas in Waves 3 through 6, the question about vigorous physical activity includes sports, heavy housework, and a job that involves physical labor. No questions are asked about light or vigorous activity in Wave 2A.

From Wave 7 forward, the single question about vigorous physical activity is replaced with three questions covering vigorous, moderate or light physical activity. The possible responses also change to: every day, more than once per week, once per week, one to three times per month, or never. The wording for these questions is:

"We would like to know the type and amount of physical activity involved in your daily life. How often do you take part in sports or activities that are vigorous, such as running or jogging, swimming, cycling, aerobics or gym workout, tennis, or digging with a spade or shovel?"

"And how often do you take part in sports or activities that are moderately energetic such as, gardening, cleaning the car, walking at a moderate pace, dancing, floor or stretching exercises?"

"And how often do you take part in sports or activities that are mildly energetic, such as vacuuming, laundry, home repairs?"

HRS Variables Used

HRS 1992:	
V512	B38:FREQ:LIGHT PHYS :IMP
V513	B39:FREQ:HEAVY PHYS :IMP
V514	B40:HEAVY HOUSE WORK:IMP
HRS 1994:	
W458	B42.LIGHT PHYSICAL EXERC
W459	B42a.AMOUNT WEEK/MONTH/Y
W460	B43.VIGOROUS EXERCISE
W461	B43a.AMOUNT WEEK/MONTH/Y
AHEAD 1995:	
D934	B19Q. VIGOROUS EXERCISE
HRS 1996:	
E934	B19Q. VIGOROUS EXERCISE
HRS 1998:	
F1262	B19Q. VIGOROUS EXERCISE
HRS 2000:	
G1395	B19Q. VIGOROUS EXERCISE
HRS 2002:	
HC115	VIGOROUS EXERCISE

HRS 2004-2016:	
xC223	HOW OFTEN VIGOROUS ACTIVITY
xC224	HOW OFTEN MODERATE ACTIVITY
xC225	HOW OFTEN MILD ACTIVITY

Health behaviors: Drinking

Wave	Variable	Label	Type
1	R1DRINK	R1DRINK:W1 R ever drinks any alcohol	Categ
2	R2DRINK	R2DRINK:W2 R ever drinks any alcohol	Categ
3	R3DRINK	R3DRINK:W3 R ever drinks any alcohol	Categ
4	R4DRINK	R4DRINK:W4 R ever drinks any alcohol	Categ
5	R5DRINK	R5DRINK:W5 R ever drinks any alcohol	Categ
6	R6DRINK	R6DRINK:W6 R ever drinks any alcohol	Categ
7	R7DRINK	R7DRINK:W7 R ever drinks any alcohol	Categ
8	R8DRINK	R8DRINK:W8 R ever drinks any alcohol	Categ
9	R9DRINK	R9DRINK:W9 R ever drinks any alcohol	Categ
10	R10DRINK	R10DRINK:W10 R ever drinks any alcohol	Categ
11	R11DRINK	R11DRINK:W11 R ever drinks any alcohol	Categ
12	R12DRINK	R12DRINK:W12 R ever drinks any alcohol	Categ
13	R13DRINK	R13DRINK:W13 R ever drinks any alcohol	Categ
1	S1DRINK	S1DRINK:W1 S ever drinks any alcohol	Categ
2	S2DRINK	S2DRINK:W2 S ever drinks any alcohol	Categ
3	S3DRINK	S3DRINK:W3 S ever drinks any alcohol	Categ
4	S4DRINK	S4DRINK:W4 S ever drinks any alcohol	Categ
5	S5DRINK	S5DRINK:W5 S ever drinks any alcohol	Categ
6	S6DRINK	S6DRINK:W6 S ever drinks any alcohol	Categ
7	S7DRINK	S7DRINK:W7 S ever drinks any alcohol	Categ
8	S8DRINK	S8DRINK:W8 S ever drinks any alcohol	Categ
9	S9DRINK	S9DRINK:W9 S ever drinks any alcohol	Categ
10	S10DRINK	S10DRINK:W10 S ever drinks any alcohol	Categ
11	S11DRINK	S11DRINK:W11 S ever drinks any alcohol	Categ
12	S12DRINK	S12DRINK:W12 S ever drinks any alcohol	Categ
13	S13DRINK	S13DRINK:W13 S ever drinks any alcohol	Categ
1	R1DRINKR	R1DRINKR:W1 R range of # drinks/day	Categ
2	R2DRINKR	R2DRINKR:W2 R range of # drinks/day	Categ
1	S1DRINKR	S1DRINKR:W1 S range of # drinks/day	Categ
2	S2DRINKR	S2DRINKR:W2 S range of # drinks/day	Categ
3	R3DRINKD	R3DRINKD:W3 R # days/week drinks	Categ
4	R4DRINKD	R4DRINKD:W4 R # days/week drinks	Categ
5	R5DRINKD	R5DRINKD:W5 R # days/week drinks	Categ
6	R6DRINKD	R6DRINKD:W6 R # days/week drinks	Categ
7	R7DRINKD	R7DRINKD:W7 R # days/week drinks	Categ
8	R8DRINKD	R8DRINKD:W8 R # days/week drinks	Categ
9	R9DRINKD	R9DRINKD:W9 R # days/week drinks	Categ
10	R10DRINKD	R10DRINKD:W10 R # days/week drinks	Categ
11	R11DRINKD	R11DRINKD:W11 R # days/week drinks	Categ
12	R12DRINKD	R12DRINKD:W12 R # days/week drinks	Categ
13	R13DRINKD	R13DRINKD:W13 R # days/week drinks	Categ
3	S3DRINKD	S3DRINKD:W3 S # days/week drinks	Categ
4	S4DRINKD	S4DRINKD:W4 S # days/week drinks	Categ
5	S5DRINKD	S5DRINKD:W5 S # days/week drinks	Categ
6	S6DRINKD	S6DRINKD:W6 S # days/week drinks	Categ
7	S7DRINKD	S7DRINKD:W7 S # days/week drinks	Categ
8	S8DRINKD	S8DRINKD:W8 S # days/week drinks	Categ
9	S9DRINKD	S9DRINKD:W9 S # days/week drinks	Categ
10	S10DRINKD	S10DRINKD:W10 S # days/week drinks	Categ
11	S11DRINKD	S11DRINKD:W11 S # days/week drinks	Categ
12	S12DRINKD	S12DRINKD:W12 S # days/week drinks	Categ
13	S13DRINKD	S13DRINKD:W13 S # days/week drinks	Categ
3	R3DRINKN	R3DRINKN:W3 R # drinks/day when drinks	Categ
4	R4DRINKN	R4DRINKN:W4 R # drinks/day when drinks	Categ
5	R5DRINKN	R5DRINKN:W5 R # drinks/day when drinks	Categ
6	R6DRINKN	R6DRINKN:W6 R # drinks/day when drinks	Categ
7	R7DRINKN	R7DRINKN:W7 R # drinks/day when drinks	Categ
8	R8DRINKN	R8DRINKN:W8 R # drinks/day when drinks	Categ
9	R9DRINKN	R9DRINKN:W9 R # drinks/day when drinks	Categ
10	R10DRINKN	R10DRINKN:W10 R # drinks/day when drinks	Categ

11	R11DRINKN	R11DRINKN:W11	R # drinks/day when drinks	Categ
12	R12DRINKN	R12DRINKN:W12	R # drinks/day when drinks	Categ
13	R13DRINKN	R13DRINKN:W13	R # drinks/day when drinks	Categ
3	S3DRINKN	S3DRINKN:W3	S # drinks/day when drinks	Categ
4	S4DRINKN	S4DRINKN:W4	S # drinks/day when drinks	Categ
5	S5DRINKN	S5DRINKN:W5	S # drinks/day when drinks	Categ
6	S6DRINKN	S6DRINKN:W6	S # drinks/day when drinks	Categ
7	S7DRINKN	S7DRINKN:W7	S # drinks/day when drinks	Categ
8	S8DRINKN	S8DRINKN:W8	S # drinks/day when drinks	Categ
9	S9DRINKN	S9DRINKN:W9	S # drinks/day when drinks	Categ
10	S10DRINKN	S10DRINKN:W10	S # drinks/day when drinks	Categ
11	S11DRINKN	S11DRINKN:W11	S # drinks/day when drinks	Categ
12	S12DRINKN	S12DRINKN:W12	S # drinks/day when drinks	Categ
13	S13DRINKN	S13DRINKN:W13	S # drinks/day when drinks	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DRINK	12652	0.61	0.49	0.0	1.0
R2DRINK	19637	0.50	0.50	0.0	1.0
R3DRINK	17986	0.46	0.50	0.0	1.0
R4DRINK	21379	0.47	0.50	0.0	1.0
R5DRINK	19574	0.45	0.50	0.0	1.0
R6DRINK	18161	0.45	0.50	0.0	1.0
R7DRINK	20125	0.49	0.50	0.0	1.0
R8DRINK	18462	0.50	0.50	0.0	1.0
R9DRINK	17215	0.49	0.50	0.0	1.0
R10DRINK	22031	0.56	0.50	0.0	1.0
R11DRINK	20549	0.54	0.50	0.0	1.0
R12DRINK	18743	0.54	0.50	0.0	1.0
R13DRINK	20897	0.58	0.49	0.0	1.0
S1DRINK	9900	0.61	0.49	0.0	1.0
S2DRINK	13087	0.54	0.50	0.0	1.0
S3DRINK	11914	0.51	0.50	0.0	1.0
S4DRINK	13979	0.51	0.50	0.0	1.0
S5DRINK	12728	0.49	0.50	0.0	1.0
S6DRINK	11636	0.49	0.50	0.0	1.0
S7DRINK	12969	0.53	0.50	0.0	1.0
S8DRINK	11731	0.54	0.50	0.0	1.0
S9DRINK	10645	0.54	0.50	0.0	1.0
S10DRINK	13511	0.60	0.49	0.0	1.0
S11DRINK	12485	0.58	0.49	0.0	1.0
S12DRINK	11010	0.58	0.49	0.0	1.0
S13DRINK	11771	0.62	0.49	0.0	1.0
R1DRINKR	12652	0.83	0.88	0.0	4.0
R2DRINKR	19623	0.67	0.81	0.0	4.0
S1DRINKR	9900	0.84	0.87	0.0	4.0
S2DRINKR	13080	0.73	0.83	0.0	4.0
R3DRINKD	17925	1.02	2.00	0.0	7.0
R4DRINKD	21379	1.01	2.03	0.0	7.0
R5DRINKD	19560	0.94	1.98	0.0	7.0
R6DRINKD	18129	1.00	2.00	0.0	7.0
R7DRINKD	20090	1.08	2.04	0.0	7.0

R8DRINKD	18438	1.09	2.06	0.0	7.0
R9DRINKD	17198	1.09	2.06	0.0	7.0
R10DRINKD	21986	1.11	1.97	0.0	7.0
R11DRINKD	20496	1.09	1.94	0.0	7.0
R12DRINKD	18657	1.10	1.95	0.0	7.0
R13DRINKD	20835	1.14	1.93	0.0	7.0
S3DRINKD	11874	1.14	2.08	0.0	7.0
S4DRINKD	13979	1.14	2.12	0.0	7.0
S5DRINKD	12719	1.07	2.08	0.0	7.0
S6DRINKD	11615	1.14	2.09	0.0	7.0
S7DRINKD	12948	1.23	2.15	0.0	7.0
S8DRINKD	11721	1.26	2.19	0.0	7.0
S9DRINKD	10636	1.28	2.18	0.0	7.0
S10DRINKD	13492	1.26	2.06	0.0	7.0
S11DRINKD	12461	1.24	2.05	0.0	7.0
S12DRINKD	10969	1.26	2.04	0.0	7.0
S13DRINKD	11737	1.28	2.02	0.0	7.0
R3DRINKN	17899	0.64	1.69	0.0	99.0
R4DRINKN	21317	0.61	1.36	0.0	38.0
R5DRINKN	19528	0.54	1.25	0.0	32.0
R6DRINKN	18128	0.59	1.23	0.0	23.0
R7DRINKN	20078	0.69	1.48	0.0	50.0
R8DRINKN	18424	0.65	1.34	0.0	45.0
R9DRINKN	17194	0.66	1.32	0.0	17.0
R10DRINKN	21984	0.83	1.61	0.0	40.0
R11DRINKN	20491	0.79	1.49	0.0	30.0
R12DRINKN	18648	0.78	1.41	0.0	18.0
R13DRINKN	20828	0.91	1.64	0.0	25.0
S3DRINKN	11858	0.70	1.34	0.0	30.0
S4DRINKN	13944	0.67	1.35	0.0	38.0
S5DRINKN	12699	0.61	1.28	0.0	32.0
S6DRINKN	11612	0.66	1.25	0.0	23.0
S7DRINKN	12946	0.76	1.49	0.0	50.0
S8DRINKN	11711	0.73	1.32	0.0	24.0
S9DRINKN	10631	0.75	1.36	0.0	15.0
S10DRINKN	13493	0.91	1.64	0.0	40.0
S11DRINKN	12455	0.86	1.50	0.0	30.0
S12DRINKN	10958	0.87	1.46	0.0	15.0
S13DRINKN	11739	1.00	1.68	0.0	25.0

Categorical Variable Codes

RwDRINK: R ever drinks any alcohol

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4	1	4	2	1	1		1	2
.M=Oth missing	|			2					2		
.R=RF	|		1	2	1	2	3	3	5	1	1
0.No	|	4996	9734	9685	11306	10767	10058	10354	9294	8810	9735
1.Yes	|	7656	9903	8301	10073	8807	8103	9771	9168	8405	12296

Value		w11	w12	w13
.D=DK/NA	|	1	4	8
.M=Oth missing	|	1		2
.R=RF	|	3		5
0.No	|	9534	8707	8762
1.Yes	|	11015	10036	12135

SwDRINK: S ever drinks any alcohol

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		2		1						1
.M=Oth missing	|			2					1		
.R=RF	|		1	1		2	3	3	3	1	1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	3826	6037	5896	6835	6439	5893	6103	5395	4915	5428
1.Yes	|	6074	7050	6018	7144	6289	5743	6866	6336	5730	8083

Value		w11	w12	w13
.D=DK/NA	|	1	2	5
.M=Oth missing	|	1		
.R=RF	|	1		3
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	5254	4591	4469
1.Yes	|	7231	6419	7302

RwDRINKR: R range of # drinks/day

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		15								
.R=RF	|		4								
0.Doesn't drink	|	4996	9734								
1.Lt 1/day	|	5676	7425								
2.1-2/day	|	1285	1793								
3.3-4/day	|	483	496								
4.5+/day	|	212	175								

Value		w11	w12	w13
.D=DK/NA	|			
.R=RF	|			
0.Doesn't drink	|			
1.Lt 1/day	|			
2.1-2/day	|			
3.3-4/day	|			
4.5+/day	|			

SwDRINKR: S range of # drinks/day

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		8								
.R=RF	|		2								
.U=Unmarried	|	2373	5968								
.V=Spouse NR	|	379	584								
0.Doesn't drink	|	3826	6037								
1.Lt 1/day	|	4525	5220								
2.1-2/day	|	1005	1322								
3.3-4/day	|	393	376								
4.5+/day	|	151	125								

Value		w11	w12	w13
.D=DK/NA	|			
.R=RF	|			
.U=Unmarried	|			
.V=Spouse NR	|			
0.Doesn't drink	|			
1.Lt 1/day	|			
2.1-2/day	|			
3.3-4/day	|			
4.5+/day	|			

RwDRINKD: R # days/week drinks

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			59	4	12	28	33	21	11	39
.M=Oth missing	|			3					2		
.R=RF	|			4	1	6	8	6	8	8	9
0.0 or doesnt drink	|			12368	15113	14322	12797	13549	12491	11588	13830
1	|			1805	1859	1452	1610	2115	1844	1760	2936
2	|			1008	1157	968	956	1130	1043	1022	1565
3	|			761	795	727	749	878	783	707	1110
4	|			305	398	332	315	413	399	368	494
5	|			329	363	310	347	407	394	354	497
6	|			122	154	142	154	186	164	180	230
7	|			1227	1540	1307	1201	1412	1320	1219	1324

Value		w11	w12	w13
.D=DK/NA	|	47	87	61
.M=Oth missing	|	1		2
.R=RF	|	10	3	14
0.0 or doesnt drink	|	12987	11754	12545
1	|	2709	2470	3143
2	|	1458	1324	1627
3	|	1033	958	1166
4	|	480	453	501
5	|	458	443	485
6	|	217	212	239
7	|	1154	1043	1129

SwDRINKD: S # days/week drinks

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			39	1	6	16	19	8	5	15
.M=Oth missing	|			2					1		
.R=RF	|			2		5	8	5	5	5	6
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.0 or doesnt drink	|			7789	9399	8845	7716	8215	7461	6663	7963
1	|			1306	1372	1083	1174	1492	1271	1205	1933
2	|			730	810	694	676	810	719	725	1028
3	|			571	573	541	547	604	538	474	758
4	|			232	295	240	251	314	296	271	350
5	|			260	288	246	267	318	312	267	381
6	|			98	124	115	128	149	133	147	177
7	|			888	1118	955	856	1046	991	884	902

Value		w11	w12	w13
.D=DK/NA	|	24	41	33
.M=Oth missing	|	1		
.R=RF	|	2	2	9
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.0 or doesnt drink	|	7423	6399	6598
1	|	1775	1619	1892
2	|	938	838	997
3	|	675	629	709
4	|	325	318	322
5	|	349	319	326
6	|	163	153	165
7	|	813	694	728

RwDRINKN: R # drinks/day when drinks

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			78	27	40	29	33	29	13	41
.M=Oth missing			7	35	3		9	6		1
.R=RF			7	5	7	8	9	10	10	8
0.0 or doesnt drink			12387	15143	14361	12818	13552	12517	11598	13832
1			2469	2757	2336	2479	2891	2716	2618	3412
2			1826	2006	1724	1680	2057	1911	1757	2574
3			640	737	593	645	848	692	653	1058
4			244	286	227	214	316	252	243	423
5			101	107	81	84	98	94	93	175
6			140	160	115	121	189	153	127	290
7			13	24	18	20	12	15	18	30
8			22	34	24	23	34	19	29	62
9			4	2	1	2	6	2	2	7
10			15	20	19	17	24	19	16	40
11			1			1	2	2	1	2
12			23	24	17	18	31	23	30	51
13			1	1	2	1	1			1
14					1		1		1	3
15			5	2	2	3	6	4	6	14
16			1	6	2		1		1	2
17									1	
18			1	1	1	1		2		2
20			1	1			3			2
21							1			
22				1						
23						1				
24			2	3			1	1		2
25										
26					3		2			
27								1		
30			1							
32				1	1					
36										1
38				1						
40										1
45							1	1		
50							1			
99.All day			2							

Value	w11	w12	w13
.D=DK/NA	47	89	62
.M=Oth missing	3		7
.R=RF	13	10	15
0.0 or doesnt drink	12941	11775	12548
1	3260	2983	3291
2	2456	2219	2696
3	943	887	1126
4	391	351	508
5	141	122	159
6	201	167	271
7	15	26	42
8	49	48	58
9	6	3	5
10	29	26	38
11	2	1	2
12	39	31	53
13	1	1	4
14	4		2
15	6	6	16
16			1
17			
18	1	2	1
20	2		2

21	|		
22	|		
23	|		
24	|	1	3
25	|		2
26	|	1	
27	|		
30	|	2	
32	|		
36	|		
38	|		
40	|		
45	|		
50	|		
99.All day	|		

SwDRINKN: S # drinks/day when drinks

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			51	15	24	19	14	14	8	12
.M=Oth missing	|			3	18	2		5	4		1
.R=RF	|			5	3	5	8	7	6	7	7
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.0 or doesnt drink	|			7801	9416	8871	7731	8219	7474	6668	7963
1	|			1774	2011	1701	1827	2073	1917	1847	2337
2	|			1391	1493	1316	1242	1547	1405	1259	1771
3	|			469	537	453	473	604	508	459	691
4	|			187	214	157	146	222	174	166	285
5	|			71	76	60	57	66	65	70	111
6	|			105	120	80	83	132	107	89	198
7	|			8	16	14	12	8	11	14	19
8	|			14	24	16	16	24	14	24	36
9	|			2	2			2	1	2	4
10	|			11	11	10	8	17	17	8	26
11	|			1			1		2		1
12	|			20	16	13	14	23	13	22	35
13	|			1	1	2		1			1
14	|					1				1	3
15	|			2	2	1	1	2	2	2	8
16	|				3	2		1			2
18	|										
20	|							1			
21	|							1			
23	|						1				
24	|				1			1	1		
25	|										
26	|					1		1			
30	|			1							
32	|					1					
36	|										1
38	|				1						
40	|										1
50	|							1			

Value	|	w11	w12	w13
.D=DK/NA	|	25	48	29
.M=Oth missing	|	1		4
.R=RF	|	7	6	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.0 or doesnt drink	|	7395	6413	6596
1	|	2173	1991	2030
2	|	1668	1456	1708
3	|	637	591	680
4	|	265	226	319

5	|	89	80	87
6	|	133	102	172
7	|	11	19	28
8	|	32	33	35
9	|	3	2	4
10	|	18	17	24
11	|	2		1
12	|	22	22	37
13	|		1	1
14	|	2		2
15	|	1	5	11
16	|			1
18	|			1
20	|	2		1
21	|			
23	|			
24	|			
25	|			1
26	|			
30	|	2		
32	|			
36	|			
38	|			
40	|			
50	|			

How Constructed

The **RwDRINK** variables indicate whether the Respondent ever drinks alcoholic beverages. The **R1DRINKR**, **R2DRINKR**, **RwDRINKD**, and **RwDRINKN** variables are the Respondent's answers to how often s/he drinks alcoholic beverages.

The **SwDRINK**, **S1DRINKR**, **S2DRINKR**, **SwDRINKD**, and **SwDRINKN** variables give this information for the Respondent's spouse or partner.

The drinking behavior variables are simply recoded from the raw HRS variables. In Wave 3 for **R3DRINKN**, there is a code in the original HRS data for "drinks all day," and this is recoded to 99. There are different variables for how often the Respondent drinks in Waves 1 and 2 than in subsequent waves, because different follow-up questions are asked. If the Respondent says s/he never drinks alcohol, the "how often" variables are set to zero.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., **S2DRINK** is taken from the Wave 2 spouse's **R2DRINK** variable.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2, a question asks: "Do you ever drink any alcoholic beverages, such as beer, wine, or liquor?" If yes, another question asks for a range of drinks per day in general. The possible answers are: less than 1, 1-2, 3-4, 5 or more.

From Wave 3 forward, the same initial question asks if the Respondent ever drinks alcoholic beverages. If yes, two follow-up questions are asked about the last 3 months:

"In the last three months, on average, how many days per week have you had any alcohol to drink? (For example, beer, wine, or any drink containing liquor.)"

"In the last three months, on the days you drink, about how many drinks do you have?"

If the answer to the first follow-up question is none or less than once week, then the second follow-up question is skipped.

HRS Variables Used

HRS 1992:	
V506	B36:CURR DRINK ALCOH:IMP
V507	B36A:DRINKS PER DAY :IMP
AHEAD 1993:	
B301	B20. EVER DRINK ALCOHOL
B302	B20a. # DRINKS PER DAY
HRS 1994:	
W456	B41.DRINK ALCOHOL
W457	B41a.AMOUNT OF ALCOHOL P
AHEAD 1995:	
D949	B21.ALCOHOL
D950	B21A.DRINK-# DAYS PER WEEK
D951	B21B.# DRINKS-DAY
HRS 1996:	
E949	B21. ALCOHOL: EVER DRINK
E950	B21A. ALCOHOL: NUM DAYS DRINK PER WEEK
E951	B21C. ALCOHOL: NUM DRINKS PER DAY
HRS 1998:	
F1282	B21.ALCOHOL
F1283	B21A.# DRINKS: DAYS PER WEEK
F1284	B21B.# DRINKS-DAY
HRS 2000:	
G1415	B21.EVER DRINK ALCOHOL
G1416	B21A.# DRINKS: DAYS PER WEEK
G1417	B21B.# DRINKS-DAY
HRS 2002-2016:	
xC128	EVER DRINK ALCOHOL
xC129	NUMBER DAYS PER WEEK- DRINK ALCOHOL
xC130	NUMBER DRINKS- PER DAY

Health behaviors: Preventive behaviors

Wave	Variable	Label	Type
3	R3CHOLST	R3CHOLST:W3 Prev Cholesterol	Categ
4	R4CHOLST	R4CHOLST:W4 Prev Cholesterol	Categ
5	R5CHOLST	R5CHOLST:W5 Prev Cholesterol	Categ
6	R6CHOLST	R6CHOLST:W6 Prev Cholesterol	Categ
7	R7CHOLST	R7CHOLST:W7 Prev Cholesterol	Categ
8	R8CHOLST	R8CHOLST:W8 Prev Cholesterol	Categ
9	R9CHOLST	R9CHOLST:W9 Prev Cholesterol	Categ
10	R10CHOLST	R10CHOLST:W10 Prev Cholesterol	Categ
11	R11CHOLST	R11CHOLST:W11 Prev Cholesterol	Categ
12	R12CHOLST	R12CHOLST:W12 Prev Cholesterol	Categ
13	R13CHOLST	R13CHOLST:W13 Prev Cholesterol	Categ
3	S3CHOLST	S3CHOLST:W3 Prev Cholesterol	Categ
4	S4CHOLST	S4CHOLST:W4 Prev Cholesterol	Categ
5	S5CHOLST	S5CHOLST:W5 Prev Cholesterol	Categ
6	S6CHOLST	S6CHOLST:W6 Prev Cholesterol	Categ
7	S7CHOLST	S7CHOLST:W7 Prev Cholesterol	Categ
8	S8CHOLST	S8CHOLST:W8 Prev Cholesterol	Categ
9	S9CHOLST	S9CHOLST:W9 Prev Cholesterol	Categ
10	S10CHOLST	S10CHOLST:W10 Prev Cholesterol	Categ
11	S11CHOLST	S11CHOLST:W11 Prev Cholesterol	Categ
12	S12CHOLST	S12CHOLST:W12 Prev Cholesterol	Categ
13	S13CHOLST	S13CHOLST:W13 Prev Cholesterol	Categ
3	R3FLUSHT	R3FLUSHT:W3 Prev Flu Shot	Categ
4	R4FLUSHT	R4FLUSHT:W4 Prev Flu Shot	Categ
5	R5FLUSHT	R5FLUSHT:W5 Prev Flu Shot	Categ
6	R6FLUSHT	R6FLUSHT:W6 Prev Flu Shot	Categ
7	R7FLUSHT	R7FLUSHT:W7 Prev Flu Shot	Categ
8	R8FLUSHT	R8FLUSHT:W8 Prev Flu Shot	Categ
9	R9FLUSHT	R9FLUSHT:W9 Prev Flu Shot	Categ
10	R10FLUSHT	R10FLUSHT:W10 Prev Flu Shot	Categ
11	R11FLUSHT	R11FLUSHT:W11 Prev Flu Shot	Categ
12	R12FLUSHT	R12FLUSHT:W12 Prev Flu Shot	Categ
13	R13FLUSHT	R13FLUSHT:W13 Prev Flu Shot	Categ
3	S3FLUSHT	S3FLUSHT:W3 Prev Flu Shot	Categ
4	S4FLUSHT	S4FLUSHT:W4 Prev Flu Shot	Categ
5	S5FLUSHT	S5FLUSHT:W5 Prev Flu Shot	Categ
6	S6FLUSHT	S6FLUSHT:W6 Prev Flu Shot	Categ
7	S7FLUSHT	S7FLUSHT:W7 Prev Flu Shot	Categ
8	S8FLUSHT	S8FLUSHT:W8 Prev Flu Shot	Categ
9	S9FLUSHT	S9FLUSHT:W9 Prev Flu Shot	Categ
10	S10FLUSHT	S10FLUSHT:W10 Prev Flu Shot	Categ
11	S11FLUSHT	S11FLUSHT:W11 Prev Flu Shot	Categ
12	S12FLUSHT	S12FLUSHT:W12 Prev Flu Shot	Categ
13	S13FLUSHT	S13FLUSHT:W13 Prev Flu Shot	Categ
3	R3BREAST	R3BREAST:W3 Prev Breast Check	Categ
4	R4BREAST	R4BREAST:W4 Prev Breast Check	Categ
5	R5BREAST	R5BREAST:W5 Prev Breast Check	Categ
6	R6BREAST	R6BREAST:W6 Prev Breast Check	Categ
7	R7BREAST	R7BREAST:W7 Prev Breast Check	Categ
8	R8BREAST	R8BREAST:W8 Prev Breast Check	Categ
9	R9BREAST	R9BREAST:W9 Prev Breast Check	Categ
10	R10BREAST	R10BREAST:W10 Prev Breast Check	Categ
3	S3BREAST	S3BREAST:W3 Prev Breast Check	Categ
4	S4BREAST	S4BREAST:W4 Prev Breast Check	Categ
5	S5BREAST	S5BREAST:W5 Prev Breast Check	Categ
6	S6BREAST	S6BREAST:W6 Prev Breast Check	Categ
7	S7BREAST	S7BREAST:W7 Prev Breast Check	Categ
8	S8BREAST	S8BREAST:W8 Prev Breast Check	Categ
9	S9BREAST	S9BREAST:W9 Prev Breast Check	Categ
10	S10BREAST	S10BREAST:W10 Prev Breast Check	Categ

3	R3MAMMOG	R3MAMMOG:W3 Prev Mammogram	Categ
4	R4MAMMOG	R4MAMMOG:W4 Prev Mammogram	Categ
5	R5MAMMOG	R5MAMMOG:W5 Prev Mammogram	Categ
6	R6MAMMOG	R6MAMMOG:W6 Prev Mammogram	Categ
7	R7MAMMOG	R7MAMMOG:W7 Prev Mammogram	Categ
8	R8MAMMOG	R8MAMMOG:W8 Prev Mammogram	Categ
9	R9MAMMOG	R9MAMMOG:W9 Prev Mammogram	Categ
10	R10MAMMOG	R10MAMMOG:W10 Prev Mammogram	Categ
11	R11MAMMOG	R11MAMMOG:W11 Prev Mammogram	Categ
12	R12MAMMOG	R12MAMMOG:W12 Prev Mammogram	Categ
13	R13MAMMOG	R13MAMMOG:W13 Prev Mammogram	Categ
3	S3MAMMOG	S3MAMMOG:W3 Prev Mammogram	Categ
4	S4MAMMOG	S4MAMMOG:W4 Prev Mammogram	Categ
5	S5MAMMOG	S5MAMMOG:W5 Prev Mammogram	Categ
6	S6MAMMOG	S6MAMMOG:W6 Prev Mammogram	Categ
7	S7MAMMOG	S7MAMMOG:W7 Prev Mammogram	Categ
8	S8MAMMOG	S8MAMMOG:W8 Prev Mammogram	Categ
9	S9MAMMOG	S9MAMMOG:W9 Prev Mammogram	Categ
10	S10MAMMOG	S10MAMMOG:W10 Prev Mammogram	Categ
11	S11MAMMOG	S11MAMMOG:W11 Prev Mammogram	Categ
12	S12MAMMOG	S12MAMMOG:W12 Prev Mammogram	Categ
13	S13MAMMOG	S13MAMMOG:W13 Prev Mammogram	Categ
3	R3PAPSM	R3PAPSM:W3 Prev Pap Smear	Categ
4	R4PAPSM	R4PAPSM:W4 Prev Pap Smear	Categ
5	R5PAPSM	R5PAPSM:W5 Prev Pap Smear	Categ
6	R6PAPSM	R6PAPSM:W6 Prev Pap Smear	Categ
7	R7PAPSM	R7PAPSM:W7 Prev Pap Smear	Categ
8	R8PAPSM	R8PAPSM:W8 Prev Pap Smear	Categ
9	R9PAPSM	R9PAPSM:W9 Prev Pap Smear	Categ
10	R10PAPSM	R10PAPSM:W10 Prev Pap Smear	Categ
11	R11PAPSM	R11PAPSM:W11 Prev Pap Smear	Categ
12	R12PAPSM	R12PAPSM:W12 Prev Pap Smear	Categ
13	R13PAPSM	R13PAPSM:W13 Prev Pap Smear	Categ
3	S3PAPSM	S3PAPSM:W3 Prev Pap Smear	Categ
4	S4PAPSM	S4PAPSM:W4 Prev Pap Smear	Categ
5	S5PAPSM	S5PAPSM:W5 Prev Pap Smear	Categ
6	S6PAPSM	S6PAPSM:W6 Prev Pap Smear	Categ
7	S7PAPSM	S7PAPSM:W7 Prev Pap Smear	Categ
8	S8PAPSM	S8PAPSM:W8 Prev Pap Smear	Categ
9	S9PAPSM	S9PAPSM:W9 Prev Pap Smear	Categ
10	S10PAPSM	S10PAPSM:W10 Prev Pap Smear	Categ
11	S11PAPSM	S11PAPSM:W11 Prev Pap Smear	Categ
12	S12PAPSM	S12PAPSM:W12 Prev Pap Smear	Categ
13	S13PAPSM	S13PAPSM:W13 Prev Pap Smear	Categ
3	R3PROST	R3PROST:W3 Prev Prostate	Categ
4	R4PROST	R4PROST:W4 Prev Prostate	Categ
5	R5PROST	R5PROST:W5 Prev Prostate	Categ
6	R6PROST	R6PROST:W6 Prev Prostate	Categ
7	R7PROST	R7PROST:W7 Prev Prostate	Categ
8	R8PROST	R8PROST:W8 Prev Prostate	Categ
9	R9PROST	R9PROST:W9 Prev Prostate	Categ
10	R10PROST	R10PROST:W10 Prev Prostate	Categ
11	R11PROST	R11PROST:W11 Prev Prostate	Categ
12	R12PROST	R12PROST:W12 Prev Prostate	Categ
13	R13PROST	R13PROST:W13 Prev Prostate	Categ
3	S3PROST	S3PROST:W3 Prev Prostate	Categ
4	S4PROST	S4PROST:W4 Prev Prostate	Categ
5	S5PROST	S5PROST:W5 Prev Prostate	Categ
6	S6PROST	S6PROST:W6 Prev Prostate	Categ
7	S7PROST	S7PROST:W7 Prev Prostate	Categ
8	S8PROST	S8PROST:W8 Prev Prostate	Categ
9	S9PROST	S9PROST:W9 Prev Prostate	Categ
10	S10PROST	S10PROST:W10 Prev Prostate	Categ
11	S11PROST	S11PROST:W11 Prev Prostate	Categ
12	S12PROST	S12PROST:W12 Prev Prostate	Categ
13	S13PROST	S13PROST:W13 Prev Prostate	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3CHOLST	17846	0.72	0.45	0.0	1.0
R4CHOLST	5078	0.75	0.43	0.0	1.0
R5CHOLST	19463	0.76	0.43	0.0	1.0
R6CHOLST	229	0.78	0.42	0.0	1.0
R7CHOLST	19845	0.82	0.38	0.0	1.0
R8CHOLST	207	0.79	0.41	0.0	1.0
R9CHOLST	16962	0.85	0.36	0.0	1.0
R10CHOLST	6430	0.76	0.43	0.0	1.0
R11CHOLST	20371	0.83	0.37	0.0	1.0
R12CHOLST	183	0.69	0.46	0.0	1.0
R13CHOLST	20728	0.80	0.40	0.0	1.0
S3CHOLST	11865	0.73	0.44	0.0	1.0
S4CHOLST	3497	0.75	0.43	0.0	1.0
S5CHOLST	12674	0.78	0.41	0.0	1.0
S6CHOLST	214	0.79	0.41	0.0	1.0
S7CHOLST	12864	0.84	0.37	0.0	1.0
S8CHOLST	198	0.81	0.39	0.0	1.0
S9CHOLST	10547	0.87	0.34	0.0	1.0
S10CHOLST	4097	0.77	0.42	0.0	1.0
S11CHOLST	12424	0.85	0.36	0.0	1.0
S12CHOLST	172	0.70	0.46	0.0	1.0
S13CHOLST	11704	0.82	0.39	0.0	1.0
R3FLUSHT	17958	0.49	0.50	0.0	1.0
R4FLUSHT	5090	0.53	0.50	0.0	1.0
R5FLUSHT	19547	0.61	0.49	0.0	1.0
R6FLUSHT	229	0.51	0.50	0.0	1.0
R7FLUSHT	20063	0.62	0.49	0.0	1.0
R8FLUSHT	210	0.50	0.50	0.0	1.0
R9FLUSHT	17178	0.65	0.48	0.0	1.0
R10FLUSHT	6447	0.47	0.50	0.0	1.0
R11FLUSHT	20502	0.65	0.48	0.0	1.0
R12FLUSHT	183	0.62	0.49	0.0	1.0
R13FLUSHT	20868	0.65	0.48	0.0	1.0
S3FLUSHT	11905	0.48	0.50	0.0	1.0
S4FLUSHT	3503	0.53	0.50	0.0	1.0
S5FLUSHT	12720	0.61	0.49	0.0	1.0
S6FLUSHT	213	0.52	0.50	0.0	1.0
S7FLUSHT	12951	0.62	0.49	0.0	1.0
S8FLUSHT	201	0.49	0.50	0.0	1.0
S9FLUSHT	10632	0.64	0.48	0.0	1.0
S10FLUSHT	4105	0.48	0.50	0.0	1.0
S11FLUSHT	12468	0.64	0.48	0.0	1.0
S12FLUSHT	172	0.63	0.48	0.0	1.0
S13FLUSHT	11763	0.65	0.48	0.0	1.0
R3BREAST	10464	0.58	0.49	0.0	1.0
R4BREAST	2834	0.63	0.48	0.0	1.0
R5BREAST	11419	0.60	0.49	0.0	1.0
R6BREAST	126	0.57	0.50	0.0	1.0
R7BREAST	11680	0.58	0.49	0.0	1.0
R8BREAST	110	0.60	0.49	0.0	1.0
R9BREAST	10124	0.56	0.50	0.0	1.0
R10BREAST	3525	0.61	0.49	0.0	1.0

S3BREAST	5946	0.62	0.49	0.0	1.0
S4BREAST	1755	0.64	0.48	0.0	1.0
S5BREAST	6350	0.64	0.48	0.0	1.0
S6BREAST	118	0.56	0.50	0.0	1.0
S7BREAST	6447	0.62	0.49	0.0	1.0
S8BREAST	107	0.60	0.49	0.0	1.0
S9BREAST	5302	0.60	0.49	0.0	1.0
S10BREAST	2045	0.60	0.49	0.0	1.0
R3MAMMOG	10475	0.65	0.48	0.0	1.0
R4MAMMOG	2835	0.77	0.42	0.0	1.0
R5MAMMOG	11419	0.72	0.45	0.0	1.0
R6MAMMOG	126	0.75	0.43	0.0	1.0
R7MAMMOG	11697	0.72	0.45	0.0	1.0
R8MAMMOG	110	0.74	0.44	0.0	1.0
R9MAMMOG	10116	0.71	0.45	0.0	1.0
R10MAMMOG	3524	0.74	0.44	0.0	1.0
R11MAMMOG	11945	0.67	0.47	0.0	1.0
R12MAMMOG	84	0.65	0.48	0.0	1.0
R13MAMMOG	12190	0.69	0.46	0.0	1.0
S3MAMMOG	5950	0.71	0.45	0.0	1.0
S4MAMMOG	1754	0.79	0.41	0.0	1.0
S5MAMMOG	6353	0.78	0.42	0.0	1.0
S6MAMMOG	118	0.76	0.43	0.0	1.0
S7MAMMOG	6462	0.78	0.42	0.0	1.0
S8MAMMOG	107	0.73	0.45	0.0	1.0
S9MAMMOG	5314	0.78	0.41	0.0	1.0
S10MAMMOG	2044	0.75	0.43	0.0	1.0
S11MAMMOG	6221	0.72	0.45	0.0	1.0
S12MAMMOG	79	0.66	0.48	0.0	1.0
S13MAMMOG	5869	0.75	0.43	0.0	1.0
R3PAPSM	10449	0.59	0.49	0.0	1.0
R4PAPSM	2831	0.71	0.46	0.0	1.0
R5PAPSM	11406	0.61	0.49	0.0	1.0
R6PAPSM	124	0.73	0.45	0.0	1.0
R7PAPSM	11644	0.60	0.49	0.0	1.0
R8PAPSM	107	0.72	0.45	0.0	1.0
R9PAPSM	10080	0.51	0.50	0.0	1.0
R10PAPSM	3522	0.72	0.45	0.0	1.0
R11PAPSM	11927	0.47	0.50	0.0	1.0
R12PAPSM	84	0.62	0.49	0.0	1.0
R13PAPSM	12177	0.46	0.50	0.0	1.0
S3PAPSM	5937	0.66	0.47	0.0	1.0
S4PAPSM	1754	0.74	0.44	0.0	1.0
S5PAPSM	6349	0.69	0.46	0.0	1.0
S6PAPSM	116	0.72	0.45	0.0	1.0
S7PAPSM	6437	0.68	0.47	0.0	1.0
S8PAPSM	104	0.72	0.45	0.0	1.0
S9PAPSM	5285	0.59	0.49	0.0	1.0
S10PAPSM	2043	0.75	0.43	0.0	1.0
S11PAPSM	6212	0.54	0.50	0.0	1.0
S12PAPSM	79	0.61	0.49	0.0	1.0
S13PAPSM	5862	0.53	0.50	0.0	1.0
R3PROST	7451	0.68	0.47	0.0	1.0

SwCHOLST: Prev Cholesterol

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10178		11036		11313		9106
.D=DK/NA			49	9	55	1	108	6	98	10
.M=Oth missing			2	296		388		218		300
.R=RF			1		1				1	
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			417	536	311	220	380	317	365	722
0.No			3227	880	2794	45	2090	38	1416	957
1.Yes			8638	2617	9880	169	10774	160	9131	3140

Value	w11	w12	w13
.A=Asked prv wave		10607	
.D=DK/NA	62		74
.M=Oth missing	1	233	
.R=RF	1		1
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	1892	52	2120
1.Yes	10532	120	9584

RwFLUSHT: Prev Flu Shot

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				15759		17219		17818		15022
.D=DK/NA			28	3	31	3	63	3	37	3
.M=Oth missing			2	532		714		438		562
.R=RF			3				3		2	
0.No			9230	2371	7623	113	7684	106	6028	3399
1.Yes			8728	2719	11924	116	12379	104	11150	3048

Value	w11	w12	w13
.A=Asked prv wave		18070	
.D=DK/NA	48		41
.M=Oth missing	1	494	1
.R=RF	3		2
0.No	7235	70	7397
1.Yes	13267	113	13471

SwFLUSHT: Prev Flu Shot

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				10178		11036		11313		9106
.D=DK/NA			9	3	10	2	19	3	13	2
.M=Oth missing			2	296		388		218		300
.R=RF			1				2		1	
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			417	536	311	220	380	317	365	722
0.No			6218	1655	5019	103	4983	103	3810	2152
1.Yes			5687	1848	7701	110	7968	98	6822	1953

Value	w11	w12	w13
.A=Asked prv wave		10607	
.D=DK/NA	18		16
.M=Oth missing	1	233	
.R=RF	1		
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	4428	63	4147
1.Yes	8040	109	7616

RwBREAST: Prev Breast Check

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				9297		10176		10508		8939
.D=DK/NA			38	4	43	2	94		69	7
.M=Oth missing			4	294	8	403	9	266	4	350
.R=RF					1	2	4		2	4
.S=Skip			7478	8955	8107	7456	8342	7585	7018	9209
.X=Missing organ			7							
0.No			4360	1042	4560	54	4945	44	4447	1381
1.Yes			6104	1792	6859	72	6735	66	5677	2144

Value	w11	w12	w13
.A=Asked prv wave			
.D=DK/NA			
.M=Oth missing			
.R=RF			
.S=Skip			
.X=Missing organ			
0.No			
1.Yes			

SwBREAST: Prev Breast Check

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				5090		5509		5650		4551
.D=DK/NA			6	2	12		38		26	7
.M=Oth missing			2	143	3	189	5	112	2	168
.R=RF					1	2	3		1	3
.S=Skip			5958	6990	6364	5821	6479	5866	5315	6739
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			417	536	311	220	380	317	365	722
.X=Missing organ			5							
0.No			2274	624	2269	52	2480	43	2115	815
1.Yes			3672	1131	4081	66	3967	64	3187	1230

Value	w11	w12	w13
.A=Asked prv wave			
.D=DK/NA			
.M=Oth missing			
.R=RF			
.S=Skip			
.U=Unmarried			
.V=Spouse NR			
.X=Missing organ			
0.No			
1.Yes			

RwMAMMOG: Prev Mammogram

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				9297		10176		10508		8939
.D=DK/NA			37	3	43	2	76		77	9
.M=Oth missing			3	294	8	403	9	266	4	350
.R=RF					1	2	5		2	3
.S=Skip			7476	8955	8107	7456	8342	7585	7018	9209
0.No			3684	664	3235	31	3284	29	2935	911
1.Yes			6791	2171	8184	95	8413	81	7181	2613

Value	w11	w12	w13
.A=Asked prv wave		10692	
.D=DK/NA	51		48
.M=Oth missing	23	272	10
.R=RF	7		3
.S=Skip	8528	7699	8661
0.No	3942	29	3828
1.Yes	8003	55	8362

SwMAMMOG: Prev Mammogram

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				5090		5509		5650		4551
.D=DK/NA			10	3	9		24		14	8
.M=Oth missing			1	143	3	189	5	112	2	168
.R=RF					1	2	2		1	3
.S=Skip			5956	6990	6364	5821	6479	5866	5315	6739
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			417	536	311	220	380	317	365	722
0.No			1703	377	1419	28	1431	29	1151	504
1.Yes			4247	1377	4934	90	5031	78	4163	1540

Value	w11	w12	w13
.A=Asked prv wave		5319	
.D=DK/NA	18		12
.M=Oth missing	16	108	9
.R=RF	3		2
.S=Skip	6230	5506	5887
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	1713	27	1468
1.Yes	4508	52	4401

RwPAPSM: Prev Pap Smear

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				9297		10176		10508		8939
.D=DK/NA			56	7	56	4	130	3	113	11
.M=Oth missing			3	294	8	403	9	266	4	350
.R=RF					1	2	4		2	3
.S=Skip			7476	8955	8107	7456	8342	7585	7018	9209
.X=Missing organ			7							
0.No			4282	834	4393	34	4684	30	4949	995
1.Yes			6167	1997	7013	90	6960	77	5131	2527

Value	w11	w12	w13
.A=Asked prv wave		10692	
.D=DK/NA	69		61
.M=Oth missing	23	272	10
.R=RF	7		3
.S=Skip	8528	7699	8661
.X=Missing organ			
0.No	6271	32	6523
1.Yes	5656	52	5654

SwPAPSM: Prev Pap Smear

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				5090		5509		5650		4551
.D=DK/NA			19	3	13	2	49	3	43	9
.M=Oth missing			1	143	3	189	5	112	2	168
.R=RF					1	2	2		1	3
.S=Skip			5956	6990	6364	5821	6479	5866	5315	6739
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			417	536	311	220	380	317	365	722
.X=Missing organ			4							
0.No			2003	450	1942	32	2070	29	2150	505
1.Yes			3934	1304	4407	84	4367	75	3135	1538

Value	w11	w12	w13
.A=Asked prv wave		5319	
.D=DK/NA	26		19
.M=Oth missing	16	108	9
.R=RF	4		2
.S=Skip	6230	5506	5887
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Missing organ			
0.No	2869	31	2778
1.Yes	3343	48	3084

RwPROST: Prev Prostate

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				6462		7043		7310		6083
.D=DK/NA			25	6	38	1	76		59	34
.M=Oth missing			3	250	4	311	10	174	6	243
.R=RF			2		1	1	2		2	2
.S=Skip			10505	12417	11459	10709	11768	10882	10189	12794
.X=Missing organ			5							
0.No			2401	682	2161	30	2270	33	1918	1194
1.Yes			5050	1567	5915	70	6003	70	5043	1684

Value	w11	w12	w13
.A=Asked prv wave		7378	
.D=DK/NA	154	2	146
.M=Oth missing	12	222	4
.R=RF	3		3
.S=Skip	11992	11048	12238
.X=Missing organ			
0.No	3090	37	3233
1.Yes	5303	60	5288

SwPROST: Prev Prostate

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Asked prv wave				5088		5527		5663		4555
.D=DK/NA			14	4	24	1	46		29	24
.M=Oth missing			2	159	4	199	10	108	5	158
.R=RF			1			1	2		1	1
.S=Skip			5953	6984	6359	5818	6478	5867	5324	6748
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			417	536	311	220	380	317	365	722
.X=Missing organ			5							
0.No			1822	509	1583	27	1613	31	1371	826
1.Yes			4120	1236	4760	66	4823	66	3916	1201

Value	w11	w12	w13
.A=Asked prv wave		5288	
.D=DK/NA	100	2	82
.M=Oth missing	10	125	3
.R=RF	2		3
.S=Skip	6233	5506	5880
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=Missing organ			
0.No	2108	32	2076
1.Yes	4035	59	3735

How Constructed

RwCHOLST, RwFLUSHT, RwBREAST, RwMAMMOG, RwPAPSM, and RwPROST indicate whether the Respondent reports preventative health tests and procedures. The tests and procedures are a blood test for cholesterol, a flu shot, monthly self-checks for breast lumps, a mammogram, a pap smear, and a check for prostate cancer, respectively. They are asked from Wave 3 forward.

SwCHOLST, SwFLUSHT, SwBREAST, SwMAMMOG, SwPAPSM, and SwPROST are these measures for the Respondent's spouse or partner.

Every other wave beginning in Waves 4 and 6, these questions are skipped for individuals who responded to a previous wave. The analyst may want to carry prior wave values forward, e.g., Wave 3 values forward to Wave 4; this file does not do this. For re-interviewees who skipped this question in alternate waves, these variables are set to .A, asked in previous wave. In the odd waves, beginning with Wave 5, all individuals are asked these questions.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3BREAST is taken from the Wave 3 spouse's R3BREAST.

Cross Wave Differences in Original HRS Data

The preventative behavior questions are asked from Wave 3 forward. They are not asked in Waves 1 and 2.

Every other wave, beginning with Wave 4, these questions are asked only of new Respondents. For re-interviewees, they are skipped. In the odd waves, beginning with Wave 5, all individuals are asked these questions.

From Wave 7 forward, the interviewer has an additional prompt for the Respondent when asking about flu shots: A FLU SHOT MAY NOW BE GIVEN BY A MIST IN THE NOSE. And the interviewer has additional instructions for coding answers about breast

exams: CODE 'YES' IF RESPONDENT DOES A BREAST CHECK MORE THAN ONCE A MONTH.

The question about monthly breast checks is dropped in Wave 11 so RwBREAST is not available beyond Wave 10.

Only male Respondents are asked the question about checking for prostate cancer. Only female Respondents are asked the questions about breast exams, mammograms, and pap smears.

HRS Variables Used

AHEAD 1995:

D919	B19B. PREVENTATIVE BEHAV FLU SHOT
D920	B19C. PREVENTATIVE BEHAV CHOLESTEROL
D925	B19F. PREVENTATIVE BEHAV BREAST LUMP
D926	B19G.PREVENTATIVE MAMMOGRAM
D927	B19H.PREVENTATIVE PAP SMEAR
D929	B19K.PREVENTATIVE BEHAV PROSTATE

HRS 1996:

E924	B19B. PREVENTATIVE BEHAV FLU SHOT
E925	B19C. PREVENTATIVE BEHAV CHOLESTEROL
E926	B19F.PREVENTATIVE BEHAV BREAST LUMP
E927	B19G.PREVENTATIVE MAMMOGRAM
E928	B19H.PREVENTATIVE PAP SMEAR
E929	B19K.PREVENTATIVE BEHAV PROSTATE

HRS 1998:

F1252	B19B. PREVENTATIVE BEHAV FLU SHOT
F1253	B19C. PREVENTATIVE BEHAV CHOLESTEROL
F1254	B19F.PREVENTATIVE BEHAV BREAST LUMP
F1255	B19G.PREVENTATIVE MAMMOGRAM
F1256	B19H.PREVENTATIVE PAP SMEAR
F1257	B19K.PREVENTATIVE BEHAV PROSTATE

HRS 2000:

G1385	B19B. PREVENTATIVE BEHAV FLU SHOT
G1386	B19C.PREVENTATIVE BEHAV CHOLESTEROL
G1387	B19F.PREVENTATIVE BEHAV BREAST LUMP
G1388	B19G.PREVENTATIVE MAMMOGRAM
G1389	B19H.PREVENTATIVE PAP SMEAR
G1390	B19K.PREVENTATIVE BEHAV PROSTATE

HRS 2002-2010:

xC111	CHECK FOR BREAST LUMPS SINCE PREV WAVE
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HRS 2002-2016:

xC109	PREVENTATIVE FLU SHOT SINCE PREV WAVE
xC110	CHOLESTEROL TEST SINCE PREV WAVE
xC112	MAMMOGRAM/XRAY OF BREAST SINCE PREV WAVE
xC113	PAP SMEAR SINCE PREV WAVE
xC114	PROSTATE EXAM SINCE PREV WAVE

Health behaviors: Smoking (Cigarettes)

Wave	Variable	Label	Type
1	R1SMOKEV	R1SMOKEV:W1 R smoke ever	Categ
2	R2SMOKEV	R2SMOKEV:W2 R smoke ever	Categ
3	R3SMOKEV	R3SMOKEV:W3 R smoke ever	Categ
4	R4SMOKEV	R4SMOKEV:W4 R smoke ever	Categ
5	R5SMOKEV	R5SMOKEV:W5 R smoke ever	Categ
6	R6SMOKEV	R6SMOKEV:W6 R smoke ever	Categ
7	R7SMOKEV	R7SMOKEV:W7 R smoke ever	Categ
8	R8SMOKEV	R8SMOKEV:W8 R smoke ever	Categ
9	R9SMOKEV	R9SMOKEV:W9 R smoke ever	Categ
10	R10SMOKEV	R10SMOKEV:W10 R smoke ever	Categ
11	R11SMOKEV	R11SMOKEV:W11 R smoke ever	Categ
12	R12SMOKEV	R12SMOKEV:W12 R smoke ever	Categ
13	R13SMOKEV	R13SMOKEV:W13 R smoke ever	Categ
1	S1SMOKEV	S1SMOKEV:W1 S smoke ever	Categ
2	S2SMOKEV	S2SMOKEV:W2 S smoke ever	Categ
3	S3SMOKEV	S3SMOKEV:W3 S smoke ever	Categ
4	S4SMOKEV	S4SMOKEV:W4 S smoke ever	Categ
5	S5SMOKEV	S5SMOKEV:W5 S smoke ever	Categ
6	S6SMOKEV	S6SMOKEV:W6 S smoke ever	Categ
7	S7SMOKEV	S7SMOKEV:W7 S smoke ever	Categ
8	S8SMOKEV	S8SMOKEV:W8 S smoke ever	Categ
9	S9SMOKEV	S9SMOKEV:W9 S smoke ever	Categ
10	S10SMOKEV	S10SMOKEV:W10 S smoke ever	Categ
11	S11SMOKEV	S11SMOKEV:W11 S smoke ever	Categ
12	S12SMOKEV	S12SMOKEV:W12 S smoke ever	Categ
13	S13SMOKEV	S13SMOKEV:W13 S smoke ever	Categ
1	R1SMOKEN	R1SMOKEN:W1 R smokes now	Categ
2	R2SMOKEN	R2SMOKEN:W2 R smokes now	Categ
3	R3SMOKEN	R3SMOKEN:W3 R smokes now	Categ
4	R4SMOKEN	R4SMOKEN:W4 R smokes now	Categ
5	R5SMOKEN	R5SMOKEN:W5 R smokes now	Categ
6	R6SMOKEN	R6SMOKEN:W6 R smokes now	Categ
7	R7SMOKEN	R7SMOKEN:W7 R smokes now	Categ
8	R8SMOKEN	R8SMOKEN:W8 R smokes now	Categ
9	R9SMOKEN	R9SMOKEN:W9 R smokes now	Categ
10	R10SMOKEN	R10SMOKEN:W10 R smokes now	Categ
11	R11SMOKEN	R11SMOKEN:W11 R smokes now	Categ
12	R12SMOKEN	R12SMOKEN:W12 R smokes now	Categ
13	R13SMOKEN	R13SMOKEN:W13 R smokes now	Categ
1	S1SMOKEN	S1SMOKEN:W1 S smokes now	Categ
2	S2SMOKEN	S2SMOKEN:W2 S smokes now	Categ
3	S3SMOKEN	S3SMOKEN:W3 S smokes now	Categ
4	S4SMOKEN	S4SMOKEN:W4 S smokes now	Categ
5	S5SMOKEN	S5SMOKEN:W5 S smokes now	Categ
6	S6SMOKEN	S6SMOKEN:W6 S smokes now	Categ
7	S7SMOKEN	S7SMOKEN:W7 S smokes now	Categ
8	S8SMOKEN	S8SMOKEN:W8 S smokes now	Categ
9	S9SMOKEN	S9SMOKEN:W9 S smokes now	Categ
10	S10SMOKEN	S10SMOKEN:W10 S smokes now	Categ
11	S11SMOKEN	S11SMOKEN:W11 S smokes now	Categ
12	S12SMOKEN	S12SMOKEN:W12 S smokes now	Categ
13	S13SMOKEN	S13SMOKEN:W13 S smokes now	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SMOKEV	12652	0.63	0.48	0.0	1.0

R2SMOKEV	19571	0.59	0.49	0.0	1.0
R3SMOKEV	17731	0.59	0.49	0.0	1.0
R4SMOKEV	21175	0.59	0.49	0.0	1.0
R5SMOKEV	19389	0.59	0.49	0.0	1.0
R6SMOKEV	17986	0.58	0.49	0.0	1.0
R7SMOKEV	19961	0.58	0.49	0.0	1.0
R8SMOKEV	18313	0.57	0.49	0.0	1.0
R9SMOKEV	17072	0.57	0.50	0.0	1.0
R10SMOKEV	21904	0.57	0.50	0.0	1.0
R11SMOKEV	20439	0.56	0.50	0.0	1.0
R12SMOKEV	18642	0.56	0.50	0.0	1.0
R13SMOKEV	20824	0.54	0.50	0.0	1.0
S1SMOKEV	9900	0.63	0.48	0.0	1.0
S2SMOKEV	13022	0.61	0.49	0.0	1.0
S3SMOKEV	11682	0.61	0.49	0.0	1.0
S4SMOKEV	13800	0.60	0.49	0.0	1.0
S5SMOKEV	12582	0.60	0.49	0.0	1.0
S6SMOKEV	11501	0.59	0.49	0.0	1.0
S7SMOKEV	12849	0.58	0.49	0.0	1.0
S8SMOKEV	11620	0.58	0.49	0.0	1.0
S9SMOKEV	10544	0.57	0.49	0.0	1.0
S10SMOKEV	13424	0.56	0.50	0.0	1.0
S11SMOKEV	12416	0.55	0.50	0.0	1.0
S12SMOKEV	10954	0.55	0.50	0.0	1.0
S13SMOKEV	11732	0.53	0.50	0.0	1.0
R1SMOKEN	12652	0.27	0.44	0.0	1.0
R2SMOKEN	19635	0.19	0.39	0.0	1.0
R3SMOKEN	17640	0.17	0.37	0.0	1.0
R4SMOKEN	21381	0.17	0.37	0.0	1.0
R5SMOKEN	19576	0.15	0.36	0.0	1.0
R6SMOKEN	18164	0.14	0.35	0.0	1.0
R7SMOKEN	19952	0.15	0.36	0.0	1.0
R8SMOKEN	18309	0.14	0.35	0.0	1.0
R9SMOKEN	17070	0.13	0.34	0.0	1.0
R10SMOKEN	21901	0.16	0.36	0.0	1.0
R11SMOKEN	20436	0.15	0.35	0.0	1.0
R12SMOKEN	18638	0.13	0.34	0.0	1.0
R13SMOKEN	20818	0.15	0.35	0.0	1.0
S1SMOKEN	9900	0.25	0.43	0.0	1.0
S2SMOKEN	13087	0.18	0.39	0.0	1.0
S3SMOKEN	11666	0.17	0.37	0.0	1.0
S4SMOKEN	13980	0.16	0.36	0.0	1.0
S5SMOKEN	12729	0.14	0.35	0.0	1.0
S6SMOKEN	11638	0.13	0.34	0.0	1.0
S7SMOKEN	12846	0.14	0.35	0.0	1.0
S8SMOKEN	11618	0.13	0.33	0.0	1.0
S9SMOKEN	10543	0.11	0.32	0.0	1.0
S10SMOKEN	13421	0.14	0.35	0.0	1.0
S11SMOKEN	12415	0.13	0.33	0.0	1.0
S12SMOKEN	10953	0.11	0.32	0.0	1.0
S13SMOKEN	11730	0.12	0.33	0.0	1.0

Categorical Variable Codes

RwSMOKEV: R smoke ever											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|										2
.M=Oth missing	|		71	260	209	189	178	168	156	145	128
.R=RF	|						1				
0.No	|	4626	8054	7313	8681	8008	7497	8479	7851	7366	9522
1.Yes	|	8026	11517	10418	12494	11381	10489	11482	10462	9706	12382
Value		w11	w12	w13							
.D=DK/NA	|			1							
.M=Oth missing	|	115	105	86							
.R=RF	|			1							
0.No	|	8972	8251	9526							
1.Yes	|	11467	10391	11298							
SwSMOKEV: S smoke ever											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|										2
.M=Oth missing	|		68	235	180	148	137	123	115	102	87
.R=RF	|						1				
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	3688	5023	4532	5456	5021	4676	5393	4909	4513	5919
1.Yes	|	6212	7999	7150	8344	7561	6825	7456	6711	6031	7505
Value		w11	w12	w13							
.D=DK/NA	|			1							
.M=Oth missing	|	72	58	46							
.R=RF	|										
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	5539	4899	5504							
1.Yes	|	6877	6055	6228							

RwSMOKEN: R smokes now											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		5		2	1		1	2	1	1
.M=Oth missing	|			350			1	175	158	146	132
.R=RF	|		2	1	1	1		1			
0.No	|	9214	15990	14670	17818	16607	15632	16940	15778	14836	18478
1.Yes	|	3438	3645	2970	3563	2969	2532	3012	2531	2234	3423
Value		w11	w12	w13							
.D=DK/NA	|	2	3	4							
.M=Oth missing	|	116	105	89							
.R=RF	|		1	1							
0.No	|	17464	16196	17765							
1.Yes	|	2972	2442	3053							
SwSMOKEN: S smokes now											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		1					1			1
.M=Oth missing	|			250			1	125	117	103	91
.R=RF	|		2	1		1					
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	7429	10667	9729	11789	10919	10095	11070	10130	9332	11560
1.Yes	|	2471	2420	1937	2191	1810	1543	1776	1488	1211	1861
Value		w11	w12	w13							
.D=DK/NA	|	1	1	2							
.M=Oth missing	|	72	58	47							
.R=RF	|										
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	10840	9722	10278							
1.Yes	|	1575	1231	1452							

How Constructed

RwSMOKEV indicates whether the Respondent ever smoked cigarettes. RwSMOKEN indicates whether the Respondent smokes now. SwSMOKEV and SwSMOKEN are this information for the Respondent's spouse or partner.

These variables are recoded for missings into yes/no indicators. Since the ever-smoked question is usually only asked at the Respondent's first interview, the answer is carried forward for RwSMOKEV in subsequent waves. If at any wave a Respondent says s/he currently smokes cigarettes, i.e., RwSMOKEN is yes, RwSMOKEV is set to yes in that and all subsequent waves.

Until Wave 7, Respondents were asked if they smoke now regardless of whether they'd ever smoked. From Wave 7 forward, both the ever and now smoking questions are usually skipped if the Respondent had previously stated that s/he had never smoked. If the questions were skipped for this reason, RwSMOKEV and RwSMOKEN are set to "0. No". We verified this assumption by observing that Respondents who had never smoked in an earlier wave rarely respond "yes" to smoking cigarettes in a subsequent wave.

The spouse variables are taken from the Wave 'w' spouse's self-reported information, e.g., S3SMOKEN is taken from the Wave 3 spouse's R3SMOKEN.

Cross Wave Differences in Original HRS Data

In Wave 1 all Respondents are asked: "Have you ever smoked cigarettes?"

This question is not asked in Waves 2H and 3. From Wave 4 forward, it is asked of new interviewees.

In Wave 2A question asks: "How would you describe yourself; as a current smoker, as a former smoker, or as someone who has never smoked?"

In all waves, except Wave 2A, a question asks: "Do you smoke cigarettes now?"

The answers to these questions are "yes" and "no." In some waves, cigars or pipes are given as coded answers.

In Waves 2H and 3A, this question is asked of everyone. In Wave 3H, this question is usually skipped if the Respondent said "no" to having ever smoked in a previous wave. In Waves 4 to 6, the question is usually skipped if a new interviewee said no to the ever smoked question. It is asked of all new interviewees who ever smoked and all re-interviewees.

From Wave 7 forward, both the ever and now smoking questions are usually skipped if the Respondent had previously stated that s/he had never smoked.

HRS Variables Used

HRS 1992:	
V501	B35:EVER SMOKED :IMP
V502	B35A:CURRENTLY SMOKE:IMP
AHEAD 1993:	
B298	B19. SMOKER (CURRENT/FORMER/NEVER)
HRS 1994:	
W452	B40.SMOKE CIGARETTES
AHEAD 1995:	
D942	B20. SMOKE CIG
HRS 1996:	
E107	PREV WAVE EVER SMOKED
E942	B20. SMOKE CIG
HRS 1998:	
F1266	B20-1. EVER SMOKE
F1267	B20. SMOKE CIG
HRS 2000:	
G1399	B20-1. EVER SMOKE
G1400	B20.SMOKE CIGARETTES NOW
HRS 2002-2016:	
xC116	EVER SMOKE
xC117	SMOKE CIGARETTES NOW

Change in Health: Self-reported health

Wave	Variable	Label	Type
2	R2SHLTC	R2SHLTC:W2 Change in self-reported hlth	Cont
3	R3SHLTC	R3SHLTC:W3 Change in self-reported hlth	Cont
4	R4SHLTC	R4SHLTC:W4 Change in self-reported hlth	Cont
5	R5SHLTC	R5SHLTC:W5 Change in self-reported hlth	Cont
6	R6SHLTC	R6SHLTC:W6 Change in self-reported hlth	Cont
7	R7SHLTC	R7SHLTC:W7 Change in self-reported hlth	Cont
8	R8SHLTC	R8SHLTC:W8 Change in self-reported hlth	Cont
9	R9SHLTC	R9SHLTC:W9 Change in self-reported hlth	Cont
10	R10SHLTC	R10SHLTC:W10 Change in self-reported hlth	Cont
11	R11SHLTC	R11SHLTC:W11 Change in self-reported hlth	Cont
12	R12SHLTC	R12SHLTC:W12 Change in self-reported hlth	Cont
13	R13SHLTC	R13SHLTC:W13 Change in self-reported hlth	Cont
2	S2SHLTC	S2SHLTC:W2 Change in self-reported hlth	Cont
3	S3SHLTC	S3SHLTC:W3 Change in self-reported hlth	Cont
4	S4SHLTC	S4SHLTC:W4 Change in self-reported hlth	Cont
5	S5SHLTC	S5SHLTC:W5 Change in self-reported hlth	Cont
6	S6SHLTC	S6SHLTC:W6 Change in self-reported hlth	Cont
7	S7SHLTC	S7SHLTC:W7 Change in self-reported hlth	Cont
8	S8SHLTC	S8SHLTC:W8 Change in self-reported hlth	Cont
9	S9SHLTC	S9SHLTC:W9 Change in self-reported hlth	Cont
10	S10SHLTC	S10SHLTC:W10 Change in self-reported hlth	Cont
11	S11SHLTC	S11SHLTC:W11 Change in self-reported hlth	Cont
12	S12SHLTC	S12SHLTC:W12 Change in self-reported hlth	Cont
13	S13SHLTC	S13SHLTC:W13 Change in self-reported hlth	Cont
2	R2SHLTCF	R2SHLTCF:W2 Flag chg self-reported hlth	Categ
3	R3SHLTCF	R3SHLTCF:W3 Flag chg self-reported hlth	Categ
4	R4SHLTCF	R4SHLTCF:W4 Flag chg self-reported hlth	Categ
5	R5SHLTCF	R5SHLTCF:W5 Flag chg self-reported hlth	Categ
6	R6SHLTCF	R6SHLTCF:W6 Flag chg self-reported hlth	Categ
7	R7SHLTCF	R7SHLTCF:W7 Flag chg self-reported hlth	Categ
8	R8SHLTCF	R8SHLTCF:W8 Flag chg self-reported hlth	Categ
9	R9SHLTCF	R9SHLTCF:W9 Flag chg self-reported hlth	Categ
10	R10SHLTCF	R10SHLTCF:W10 Flag chg self-reported hlth	Categ
11	R11SHLTCF	R11SHLTCF:W11 Flag chg self-reported hlth	Categ
12	R12SHLTCF	R12SHLTCF:W12 Flag chg self-reported hlth	Categ
13	R13SHLTCF	R13SHLTCF:W13 Flag chg self-reported hlth	Categ
2	S2SHLTCF	S2SHLTCF:W2 Flag chg self-reported hlth	Categ
3	S3SHLTCF	S3SHLTCF:W3 Flag chg self-reported hlth	Categ
4	S4SHLTCF	S4SHLTCF:W4 Flag chg self-reported hlth	Categ
5	S5SHLTCF	S5SHLTCF:W5 Flag chg self-reported hlth	Categ
6	S6SHLTCF	S6SHLTCF:W6 Flag chg self-reported hlth	Categ
7	S7SHLTCF	S7SHLTCF:W7 Flag chg self-reported hlth	Categ
8	S8SHLTCF	S8SHLTCF:W8 Flag chg self-reported hlth	Categ
9	S9SHLTCF	S9SHLTCF:W9 Flag chg self-reported hlth	Categ
10	S10SHLTCF	S10SHLTCF:W10 Flag chg self-reported hlth	Categ
11	S11SHLTCF	S11SHLTCF:W11 Flag chg self-reported hlth	Categ
12	S12SHLTCF	S12SHLTCF:W12 Flag chg self-reported hlth	Categ
13	S13SHLTCF	S13SHLTCF:W13 Flag chg self-reported hlth	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SHLTC	11419	0.10	0.92	-4.0	4.0
R3SHLTC	17706	0.04	0.95	-4.0	4.0
R4SHLTC	16281	0.27	0.96	-4.0	4.0
R5SHLTC	19303	-0.02	0.94	-4.0	4.0
R6SHLTC	17919	0.11	0.93	-4.0	4.0

R7SHLTC	16632	0.11	0.91	-4.0	4.0
R8SHLTC	18225	0.06	0.89	-4.0	4.0
R9SHLTC	17041	0.12	0.89	-4.0	4.0
R10SHLTC	15578	0.03	0.90	-4.0	4.0
R11SHLTC	20194	0.04	0.88	-4.0	4.0
R12SHLTC	18535	0.11	0.86	-4.0	4.0
R13SHLTC	16326	0.07	0.86	-4.0	4.0
S2SHLTC	8740	0.10	0.91	-4.0	4.0
S3SHLTC	11669	0.05	0.93	-4.0	4.0
S4SHLTC	10468	0.27	0.91	-4.0	4.0
S5SHLTC	12477	-0.02	0.92	-4.0	4.0
S6SHLTC	11423	0.10	0.89	-4.0	4.0
S7SHLTC	10477	0.12	0.87	-4.0	4.0
S8SHLTC	11518	0.05	0.87	-4.0	4.0
S9SHLTC	10491	0.13	0.86	-4.0	4.0
S10SHLTC	9412	0.03	0.87	-4.0	4.0
S11SHLTC	12162	0.04	0.86	-4.0	4.0
S12SHLTC	10830	0.12	0.84	-4.0	4.0
S13SHLTC	9252	0.07	0.84	-4.0	4.0
R2SHLTCF	11419	0.00	0.00	0.0	0.0
R3SHLTCF	17706	0.02	0.14	0.0	1.0
R4SHLTCF	16281	0.04	0.23	0.0	2.0
R5SHLTCF	19303	0.03	0.24	0.0	3.0
R6SHLTCF	17919	0.06	0.34	0.0	4.0
R7SHLTCF	16632	0.05	0.33	0.0	5.0
R8SHLTCF	18225	0.04	0.30	0.0	6.0
R9SHLTCF	17041	0.05	0.35	0.0	7.0
R10SHLTCF	15578	0.07	0.44	0.0	8.0
R11SHLTCF	20194	0.04	0.33	0.0	9.0
R12SHLTCF	18535	0.04	0.29	0.0	8.0
R13SHLTCF	16326	0.04	0.25	0.0	7.0
S2SHLTCF	8740	0.00	0.00	0.0	0.0
S3SHLTCF	11669	0.02	0.14	0.0	1.0
S4SHLTCF	10468	0.03	0.22	0.0	2.0
S5SHLTCF	12477	0.03	0.21	0.0	3.0
S6SHLTCF	11423	0.05	0.30	0.0	4.0
S7SHLTCF	10477	0.04	0.32	0.0	5.0
S8SHLTCF	11518	0.03	0.27	0.0	6.0
S9SHLTCF	10491	0.04	0.28	0.0	7.0
S10SHLTCF	9412	0.06	0.41	0.0	8.0
S11SHLTCF	12162	0.03	0.29	0.0	9.0
S12SHLTCF	10830	0.03	0.23	0.0	6.0
S13SHLTCF	9252	0.02	0.20	0.0	6.0

Categorical Variable Codes

RwSHLTCF: Flag chg self-reported hlth

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|		8223	285	5103	275	246	3497	244	176	6456
0.Used IW-1	|		11419	17340	15749	18848	17210	16181	17787	16461	15015
1.Used IW-2	|			366	413	298	482	274	255	404	292
2.Used IW-3	|				119	114	119	87	114	91	138
3.Used IW-4	|					43	71	47	39	53	60
4.Used IW-5	|						37	27	17	16	39
5.Used IW-6	|							16	9	5	18
6.Used IW-7	|								4	6	11
7.Used IW-8	|									5	2
8.Used IW-9	|										3
9.Used IW-10	|										

Value		w11	w12	w13
.M=Oth missing	|	360	212	4586
0.Used IW-1	|	19754	18044	15883
1.Used IW-2	|	258	364	340
2.Used IW-3	|	89	72	80
3.Used IW-4	|	56	25	14
4.Used IW-5	|	17	17	3
5.Used IW-6	|	7	4	2
6.Used IW-7	|	3	5	3
7.Used IW-8	|	4	3	1
8.Used IW-9	|	4	1	
9.Used IW-10	|	2		

SwSHLTCF: Flag chg self-reported hlth

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|		4350	248	3512	253	216	2495	217	155	4101
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.Used IW-1	|		8740	11428	10172	12233	11038	10252	11300	10219	9111
1.Used IW-2	|			241	229	164	277	131	121	200	154
2.Used IW-3	|				67	62	55	43	64	41	79
3.Used IW-4	|					18	38	22	21	17	32
4.Used IW-5	|						15	16	8	8	23
5.Used IW-6	|							13		5	6
6.Used IW-7	|								4		5
7.Used IW-8	|									1	
8.Used IW-9	|										2
9.Used IW-10	|										

Value		w11	w12	w13
.M=Oth missing	|	326	182	2527
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Used IW-1	|	11925	10598	9071
1.Used IW-2	|	145	175	148
2.Used IW-3	|	44	35	24
3.Used IW-4	|	33	12	5
4.Used IW-5	|	11	9	1
5.Used IW-6	|	2		2
6.Used IW-7	|		1	1
7.Used IW-8	|			

8.Used IW-9	|	
9.Used IW-10	|	2

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables, see the section titled "Health Change" earlier in this document.

RwSHLTC is the change in self-reported health status from the previous to the current interview. RwSHLTCF indicates how far back the previous interview is. SwSHLTC and SwSHLTCF are this information for the Respondent's spouse or partner.

The derivation of RwSHLTC is:

$$\text{RwSHLTC} = \text{RwSHLT} - \text{RpSHLT}$$

Where "w" means current wave and "p" means the previous interview. For example, if an individual responded to Waves 2 and 3, R3SHLTC = R3SHLT - R2SHLT. Since a lower number means better health in the RwSHLT variables, a positive value for RwSHLTC indicates a decline in self-rated health.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwSHLTCF indicates if there are any missed interviews prior to the current, and if so, how many. In other words, it indicates how far back the previous interview is, from which the change is measured. Its codes are: 0) did not miss the previous interview; change = current - [current-1]; 1) missed the previous interview, but only one; change = current - [current-2]; 2) missed the two previous interviews; change = current - [current-3]; 3) missed the three previous interviews; change = current - [current-4]; 4) missed the four previous interviews; change = current - [current-5]; 5) missed the five previous interviews; change = current - [current-6]; 9) either the current or previous interview measure is missing, so change is missing.

Please see also the self-reported change in health variable RwHLTC described earlier in this section, and the description of the self-reported health variable RwSHLT. Note that RwHLTC asks the Respondent to assess retrospectively how her/his health has changed since the last interview, while RwSHLTC compares measures of self-reported current health from the two time points.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3SHLTC is taken from the Wave 3 spouse's R3SHLTC.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data.

Change in Health: Functional Limitations

Wave	Variable	Label	Type
3	R3ADLC	R3ADLC:W3 Change-ADLs /0-5	Cont
4	R4ADLC	R4ADLC:W4 Change-ADLs /0-5	Cont
5	R5ADLC	R5ADLC:W5 Change-ADLs /0-5	Cont
6	R6ADLC	R6ADLC:W6 Change-ADLs /0-5	Cont
7	R7ADLC	R7ADLC:W7 Change-ADLs /0-5	Cont
8	R8ADLC	R8ADLC:W8 Change-ADLs /0-5	Cont
9	R9ADLC	R9ADLC:W9 Change-ADLs /0-5	Cont
10	R10ADLC	R10ADLC:W10 Change-ADLs /0-5	Cont
11	R11ADLC	R11ADLC:W11 Change-ADLs /0-5	Cont
12	R12ADLC	R12ADLC:W12 Change-ADLs /0-5	Cont
13	R13ADLC	R13ADLC:W13 Change-ADLs /0-5	Cont
3	S3ADLC	S3ADLC:W3 Change-ADLs /0-5	Cont
4	S4ADLC	S4ADLC:W4 Change-ADLs /0-5	Cont
5	S5ADLC	S5ADLC:W5 Change-ADLs /0-5	Cont
6	S6ADLC	S6ADLC:W6 Change-ADLs /0-5	Cont
7	S7ADLC	S7ADLC:W7 Change-ADLs /0-5	Cont
8	S8ADLC	S8ADLC:W8 Change-ADLs /0-5	Cont
9	S9ADLC	S9ADLC:W9 Change-ADLs /0-5	Cont
10	S10ADLC	S10ADLC:W10 Change-ADLs /0-5	Cont
11	S11ADLC	S11ADLC:W11 Change-ADLs /0-5	Cont
12	S12ADLC	S12ADLC:W12 Change-ADLs /0-5	Cont
13	S13ADLC	S13ADLC:W13 Change-ADLs /0-5	Cont
3	R3ADLF	R3ADLF:W3 Chg Flag-ADLs /0-5	Categ
4	R4ADLF	R4ADLF:W4 Chg Flag-ADLs /0-5	Categ
5	R5ADLF	R5ADLF:W5 Chg Flag-ADLs /0-5	Categ
6	R6ADLF	R6ADLF:W6 Chg Flag-ADLs /0-5	Categ
7	R7ADLF	R7ADLF:W7 Chg Flag-ADLs /0-5	Categ
8	R8ADLF	R8ADLF:W8 Chg Flag-ADLs /0-5	Categ
9	R9ADLF	R9ADLF:W9 Chg Flag-ADLs /0-5	Categ
10	R10ADLF	R10ADLF:W10 Chg Flag-ADLs /0-5	Categ
11	R11ADLF	R11ADLF:W11 Chg Flag-ADLs /0-5	Categ
12	R12ADLF	R12ADLF:W12 Chg Flag-ADLs /0-5	Categ
13	R13ADLF	R13ADLF:W13 Chg Flag-ADLs /0-5	Categ
3	S3ADLF	S3ADLF:W3 Chg Flag-ADLs /0-5	Categ
4	S4ADLF	S4ADLF:W4 Chg Flag-ADLs /0-5	Categ
5	S5ADLF	S5ADLF:W5 Chg Flag-ADLs /0-5	Categ
6	S6ADLF	S6ADLF:W6 Chg Flag-ADLs /0-5	Categ
7	S7ADLF	S7ADLF:W7 Chg Flag-ADLs /0-5	Categ
8	S8ADLF	S8ADLF:W8 Chg Flag-ADLs /0-5	Categ
9	S9ADLF	S9ADLF:W9 Chg Flag-ADLs /0-5	Categ
10	S10ADLF	S10ADLF:W10 Chg Flag-ADLs /0-5	Categ
11	S11ADLF	S11ADLF:W11 Chg Flag-ADLs /0-5	Categ
12	S12ADLF	S12ADLF:W12 Chg Flag-ADLs /0-5	Categ
13	S13ADLF	S13ADLF:W13 Chg Flag-ADLs /0-5	Categ
3	R3GROSSC	R3GROSSC:W3 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
4	R4GROSSC	R4GROSSC:W4 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
5	R5GROSSC	R5GROSSC:W5 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
6	R6GROSSC	R6GROSSC:W6 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
7	R7GROSSC	R7GROSSC:W7 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
8	R8GROSSC	R8GROSSC:W8 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
9	R9GROSSC	R9GROSSC:W9 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
10	R10GROSSC	R10GROSSC:W10 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
11	R11GROSSC	R11GROSSC:W11 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
12	R12GROSSC	R12GROSSC:W12 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
13	R13GROSSC	R13GROSSC:W13 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
3	S3GROSSC	S3GROSSC:W3 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
4	S4GROSSC	S4GROSSC:W4 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
5	S5GROSSC	S5GROSSC:W5 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
6	S6GROSSC	S6GROSSC:W6 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
7	S7GROSSC	S7GROSSC:W7 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
8	S8GROSSC	S8GROSSC:W8 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont

9	S9GROSSC	S9GROSSC:W9 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
10	S10GROSSC	S10GROSSC:W10 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
11	S11GROSSC	S11GROSSC:W11 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
12	S12GROSSC	S12GROSSC:W12 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
13	S13GROSSC	S13GROSSC:W13 Chg:Walk1/R,Clim1,Bed,Bath/5	Cont
3	R3GROSSF	R3GROSSF:W3 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
4	R4GROSSF	R4GROSSF:W4 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
5	R5GROSSF	R5GROSSF:W5 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
6	R6GROSSF	R6GROSSF:W6 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
7	R7GROSSF	R7GROSSF:W7 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
8	R8GROSSF	R8GROSSF:W8 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
9	R9GROSSF	R9GROSSF:W9 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
10	R10GROSSF	R10GROSSF:W10 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
11	R11GROSSF	R11GROSSF:W11 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
12	R12GROSSF	R12GROSSF:W12 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
13	R13GROSSF	R13GROSSF:W13 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
3	S3GROSSF	S3GROSSF:W3 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
4	S4GROSSF	S4GROSSF:W4 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
5	S5GROSSF	S5GROSSF:W5 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
6	S6GROSSF	S6GROSSF:W6 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
7	S7GROSSF	S7GROSSF:W7 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
8	S8GROSSF	S8GROSSF:W8 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
9	S9GROSSF	S9GROSSF:W9 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
10	S10GROSSF	S10GROSSF:W10 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
11	S11GROSSF	S11GROSSF:W11 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
12	S12GROSSF	S12GROSSF:W12 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
13	S13GROSSF	S13GROSSF:W13 ChgF:Walk1/R,Clim1,Bed,Bath /0-5	Categ
3	R3FINEC	R3FINEC:W3 Chg:Dime,Eat,Dress /0-3	Cont
4	R4FINEC	R4FINEC:W4 Chg:Dime,Eat,Dress /0-3	Cont
5	R5FINEC	R5FINEC:W5 Chg:Dime,Eat,Dress /0-3	Cont
6	R6FINEC	R6FINEC:W6 Chg:Dime,Eat,Dress /0-3	Cont
7	R7FINEC	R7FINEC:W7 Chg:Dime,Eat,Dress /0-3	Cont
8	R8FINEC	R8FINEC:W8 Chg:Dime,Eat,Dress /0-3	Cont
9	R9FINEC	R9FINEC:W9 Chg:Dime,Eat,Dress /0-3	Cont
10	R10FINEC	R10FINEC:W10 Chg:Dime,Eat,Dress /0-3	Cont
11	R11FINEC	R11FINEC:W11 Chg:Dime,Eat,Dress /0-3	Cont
12	R12FINEC	R12FINEC:W12 Chg:Dime,Eat,Dress /0-3	Cont
13	R13FINEC	R13FINEC:W13 Chg:Dime,Eat,Dress /0-3	Cont
3	S3FINEC	S3FINEC:W3 Chg:Dime,Eat,Dress /0-3	Cont
4	S4FINEC	S4FINEC:W4 Chg:Dime,Eat,Dress /0-3	Cont
5	S5FINEC	S5FINEC:W5 Chg:Dime,Eat,Dress /0-3	Cont
6	S6FINEC	S6FINEC:W6 Chg:Dime,Eat,Dress /0-3	Cont
7	S7FINEC	S7FINEC:W7 Chg:Dime,Eat,Dress /0-3	Cont
8	S8FINEC	S8FINEC:W8 Chg:Dime,Eat,Dress /0-3	Cont
9	S9FINEC	S9FINEC:W9 Chg:Dime,Eat,Dress /0-3	Cont
10	S10FINEC	S10FINEC:W10 Chg:Dime,Eat,Dress /0-3	Cont
11	S11FINEC	S11FINEC:W11 Chg:Dime,Eat,Dress /0-3	Cont
12	S12FINEC	S12FINEC:W12 Chg:Dime,Eat,Dress /0-3	Cont
13	S13FINEC	S13FINEC:W13 Chg:Dime,Eat,Dress /0-3	Cont
3	R3FINEF	R3FINEF:W3 ChgF:Dime,Eat,Dress /0-3	Categ
4	R4FINEF	R4FINEF:W4 ChgF:Dime,Eat,Dress /0-3	Categ
5	R5FINEF	R5FINEF:W5 ChgF:Dime,Eat,Dress /0-3	Categ
6	R6FINEF	R6FINEF:W6 ChgF:Dime,Eat,Dress /0-3	Categ
7	R7FINEF	R7FINEF:W7 ChgF:Dime,Eat,Dress /0-3	Categ
8	R8FINEF	R8FINEF:W8 ChgF:Dime,Eat,Dress /0-3	Categ
9	R9FINEF	R9FINEF:W9 ChgF:Dime,Eat,Dress /0-3	Categ
10	R10FINEF	R10FINEF:W10 ChgF:Dime,Eat,Dress /0-3	Categ
11	R11FINEF	R11FINEF:W11 ChgF:Dime,Eat,Dress /0-3	Categ
12	R12FINEF	R12FINEF:W12 ChgF:Dime,Eat,Dress /0-3	Categ
13	R13FINEF	R13FINEF:W13 ChgF:Dime,Eat,Dress /0-3	Categ
3	S3FINEF	S3FINEF:W3 ChgF:Dime,Eat,Dress /0-3	Categ
4	S4FINEF	S4FINEF:W4 ChgF:Dime,Eat,Dress /0-3	Categ
5	S5FINEF	S5FINEF:W5 ChgF:Dime,Eat,Dress /0-3	Categ
6	S6FINEF	S6FINEF:W6 ChgF:Dime,Eat,Dress /0-3	Categ
7	S7FINEF	S7FINEF:W7 ChgF:Dime,Eat,Dress /0-3	Categ
8	S8FINEF	S8FINEF:W8 ChgF:Dime,Eat,Dress /0-3	Categ

9	S9FINEF	S9FINEF:W9 ChgF:Dime,Eat,Dress /0-3	Categ
10	S10FINEF	S10FINEF:W10 ChgF:Dime,Eat,Dress /0-3	Categ
11	S11FINEF	S11FINEF:W11 ChgF:Dime,Eat,Dress /0-3	Categ
12	S12FINEF	S12FINEF:W12 ChgF:Dime,Eat,Dress /0-3	Categ
13	S13FINEF	S13FINEF:W13 ChgF:Dime,Eat,Dress /0-3	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3ADLC	17682	0.17	0.83	-5.0	5.0
R4ADLC	16264	0.12	0.82	-5.0	5.0
R5ADLC	19271	0.08	0.78	-5.0	5.0
R6ADLC	17916	0.09	0.80	-5.0	5.0
R7ADLC	16643	0.10	0.80	-5.0	5.0
R8ADLC	18247	0.11	0.79	-5.0	5.0
R9ADLC	17058	0.10	0.82	-5.0	5.0
R10ADLC	15582	0.15	0.85	-5.0	5.0
R11ADLC	20098	0.07	0.80	-5.0	5.0
R12ADLC	18531	0.11	0.80	-5.0	5.0
R13ADLC	16329	0.09	0.84	-5.0	5.0
S3ADLC	11663	0.12	0.70	-5.0	5.0
S4ADLC	10466	0.07	0.68	-5.0	5.0
S5ADLC	12473	0.05	0.65	-5.0	5.0
S6ADLC	11418	0.05	0.67	-5.0	5.0
S7ADLC	10484	0.06	0.68	-5.0	5.0
S8ADLC	11532	0.08	0.66	-5.0	5.0
S9ADLC	10504	0.05	0.67	-5.0	5.0
S10ADLC	9414	0.10	0.73	-4.0	5.0
S11ADLC	12097	0.04	0.68	-5.0	5.0
S12ADLC	10836	0.08	0.70	-5.0	5.0
S13ADLC	9260	0.06	0.71	-5.0	5.0
R3ADLF	17682	0.02	0.14	0.0	1.0
R4ADLF	16264	0.04	0.23	0.0	2.0
R5ADLF	19271	0.03	0.24	0.0	3.0
R6ADLF	17916	0.06	0.34	0.0	4.0
R7ADLF	16643	0.05	0.33	0.0	5.0
R8ADLF	18247	0.04	0.30	0.0	6.0
R9ADLF	17058	0.05	0.34	0.0	7.0
R10ADLF	15582	0.07	0.44	0.0	8.0
R11ADLF	20098	0.04	0.33	0.0	9.0
R12ADLF	18531	0.04	0.29	0.0	8.0
R13ADLF	16329	0.04	0.25	0.0	7.0
S3ADLF	11663	0.02	0.14	0.0	1.0
S4ADLF	10466	0.03	0.22	0.0	2.0
S5ADLF	12473	0.03	0.21	0.0	3.0
S6ADLF	11418	0.05	0.30	0.0	4.0
S7ADLF	10484	0.04	0.32	0.0	5.0
S8ADLF	11532	0.03	0.27	0.0	6.0
S9ADLF	10504	0.04	0.27	0.0	7.0
S10ADLF	9414	0.06	0.41	0.0	8.0
S11ADLF	12097	0.03	0.29	0.0	9.0
S12ADLF	10836	0.03	0.23	0.0	6.0
S13ADLF	9260	0.02	0.20	0.0	6.0

R3GROSSC	10744	0.07	0.74	-5.0	5.0
R4GROSSC	16115	0.14	0.90	-5.0	5.0
R5GROSSC	19240	0.12	0.90	-5.0	5.0
R6GROSSC	17902	0.13	0.93	-5.0	5.0
R7GROSSC	16639	0.12	0.92	-5.0	5.0
R8GROSSC	18247	0.14	0.91	-5.0	5.0
R9GROSSC	17058	0.12	0.92	-5.0	5.0
R10GROSSC	15583	0.18	0.94	-5.0	5.0
R11GROSSC	20099	0.10	0.91	-5.0	5.0
R12GROSSC	18534	0.12	0.91	-5.0	5.0
R13GROSSC	16329	0.12	0.95	-5.0	5.0
S3GROSSC	8126	0.06	0.69	-5.0	5.0
S4GROSSC	10414	0.09	0.77	-5.0	5.0
S5GROSSC	12462	0.09	0.78	-5.0	5.0
S6GROSSC	11412	0.09	0.81	-5.0	5.0
S7GROSSC	10483	0.08	0.81	-5.0	5.0
S8GROSSC	11532	0.10	0.80	-5.0	5.0
S9GROSSC	10505	0.07	0.79	-5.0	5.0
S10GROSSC	9415	0.12	0.82	-4.0	5.0
S11GROSSC	12099	0.08	0.79	-5.0	5.0
S12GROSSC	10837	0.10	0.82	-5.0	5.0
S13GROSSC	9260	0.10	0.84	-5.0	5.0
R3GROSSF	10744	0.03	0.18	0.0	1.0
R4GROSSF	16115	0.03	0.21	0.0	2.0
R5GROSSF	19240	0.03	0.22	0.0	3.0
R6GROSSF	17902	0.06	0.33	0.0	4.0
R7GROSSF	16639	0.05	0.33	0.0	5.0
R8GROSSF	18247	0.04	0.30	0.0	6.0
R9GROSSF	17058	0.05	0.33	0.0	7.0
R10GROSSF	15583	0.07	0.44	0.0	8.0
R11GROSSF	20099	0.04	0.33	0.0	9.0
R12GROSSF	18534	0.04	0.29	0.0	8.0
R13GROSSF	16329	0.04	0.25	0.0	7.0
S3GROSSF	8126	0.03	0.17	0.0	1.0
S4GROSSF	10414	0.03	0.20	0.0	2.0
S5GROSSF	12462	0.03	0.20	0.0	3.0
S6GROSSF	11412	0.05	0.30	0.0	4.0
S7GROSSF	10483	0.04	0.32	0.0	5.0
S8GROSSF	11532	0.03	0.27	0.0	6.0
S9GROSSF	10505	0.04	0.27	0.0	7.0
S10GROSSF	9415	0.06	0.41	0.0	8.0
S11GROSSF	12099	0.03	0.29	0.0	9.0
S12GROSSF	10837	0.03	0.23	0.0	6.0
S13GROSSF	9260	0.02	0.20	0.0	6.0
R3FINEC	17683	0.11	0.51	-3.0	3.0
R4FINEC	16265	0.06	0.53	-3.0	3.0
R5FINEC	19271	0.04	0.50	-3.0	3.0
R6FINEC	17915	0.04	0.51	-3.0	3.0
R7FINEC	16642	0.05	0.52	-3.0	3.0
R8FINEC	18248	0.06	0.51	-3.0	3.0
R9FINEC	17059	0.05	0.53	-3.0	3.0
R10FINEC	15582	0.08	0.55	-3.0	3.0
R11FINEC	20099	0.03	0.52	-3.0	3.0
R12FINEC	18530	0.06	0.52	-3.0	3.0

R13FINEC	16328	0.05	0.53	-3.0	3.0
S3FINEC	11664	0.09	0.45	-3.0	3.0
S4FINEC	10467	0.04	0.46	-3.0	3.0
S5FINEC	12473	0.03	0.44	-3.0	3.0
S6FINEC	11418	0.02	0.44	-3.0	3.0
S7FINEC	10484	0.04	0.46	-3.0	3.0
S8FINEC	11532	0.04	0.45	-3.0	3.0
S9FINEC	10504	0.03	0.46	-3.0	3.0
S10FINEC	9414	0.06	0.47	-3.0	3.0
S11FINEC	12097	0.02	0.45	-3.0	3.0
S12FINEC	10836	0.05	0.46	-3.0	3.0
S13FINEC	9260	0.03	0.47	-3.0	3.0
R3FINEF	17683	0.02	0.14	0.0	1.0
R4FINEF	16265	0.04	0.23	0.0	2.0
R5FINEF	19271	0.03	0.24	0.0	3.0
R6FINEF	17915	0.06	0.34	0.0	4.0
R7FINEF	16642	0.05	0.33	0.0	5.0
R8FINEF	18248	0.04	0.30	0.0	6.0
R9FINEF	17059	0.05	0.34	0.0	7.0
R10FINEF	15582	0.07	0.44	0.0	8.0
R11FINEF	20099	0.04	0.33	0.0	9.0
R12FINEF	18530	0.04	0.29	0.0	8.0
R13FINEF	16328	0.04	0.25	0.0	7.0
S3FINEF	11664	0.02	0.14	0.0	1.0
S4FINEF	10467	0.03	0.22	0.0	2.0
S5FINEF	12473	0.03	0.21	0.0	3.0
S6FINEF	11418	0.05	0.30	0.0	4.0
S7FINEF	10484	0.04	0.32	0.0	5.0
S8FINEF	11532	0.03	0.27	0.0	6.0
S9FINEF	10504	0.04	0.27	0.0	7.0
S10FINEF	9414	0.06	0.41	0.0	8.0
S11FINEF	12097	0.03	0.29	0.0	9.0
S12FINEF	10836	0.03	0.23	0.0	6.0
S13FINEF	9260	0.02	0.20	0.0	6.0

Categorical Variable Codes

RwADLF: Chg Flag-ADLs /0-5

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|			309	5120	307	249	3486	222	159	6452
0.Used IW-1	|			17320	15733	18828	17209	16195	17810	16481	15022
1.Used IW-2	|			362	413	288	480	274	255	403	291
2.Used IW-3	|				118	113	119	85	114	91	137
3.Used IW-4	|					42	71	46	39	52	60
4.Used IW-5	|						37	27	16	16	39
5.Used IW-6	|							16	9	4	17
6.Used IW-7	|								4	6	11
7.Used IW-8	|									5	2
8.Used IW-9	|										3
9.Used IW-10	|										

Value		w11	w12	w13
.M=Oth missing	|	456	216	4583
0.Used IW-1	|	19660	18048	15887
1.Used IW-2	|	257	356	342
2.Used IW-3	|	88	72	78
3.Used IW-4	|	56	25	13
4.Used IW-5	|	17	17	3
5.Used IW-6	|	7	4	2
6.Used IW-7	|	3	5	3
7.Used IW-8	|	4	3	1
8.Used IW-9	|	4	1	
9.Used IW-10	|	2		

SwADLF: Chg Flag-ADLs /0-5

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|			254	3514	257	221	2488	203	142	4099
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.Used IW-1	|			11422	10170	12231	11034	10258	11315	10232	9113
1.Used IW-2	|			241	229	162	276	133	121	201	154
2.Used IW-3	|				67	62	55	42	64	41	79
3.Used IW-4	|					18	38	22	21	17	32
4.Used IW-5	|						15	16	7	8	23
5.Used IW-6	|							13		4	6
6.Used IW-7	|								4		5
7.Used IW-8	|									1	
8.Used IW-9	|										2
9.Used IW-10	|										

Value		w11	w12	w13
.M=Oth missing	|	391	176	2519
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Used IW-1	|	11860	10606	9079
1.Used IW-2	|	145	172	148
2.Used IW-3	|	44	36	24
3.Used IW-4	|	33	12	5
4.Used IW-5	|	11	9	1
5.Used IW-6	|	2		2
6.Used IW-7	|		1	1
7.Used IW-8	|			

8.Used IW-9	|	
9.Used IW-10	|	2

RwGROSSF: ChgF:Walk1/R,Clim1,Bed,Bath /0-5

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|			7247	5269	338	263	3490	222	159	6451
0.Used IW-1	|			10382	15736	18830	17209	16194	17812	16484	15024
1.Used IW-2	|			362	261	289	480	274	255	403	291
2.Used IW-3	|				118	79	119	85	114	91	137
3.Used IW-4	|					42	57	46	39	52	60
4.Used IW-5	|						37	24	16	16	39
5.Used IW-6	|							16	7	4	17
6.Used IW-7	|								4	3	11
7.Used IW-8	|									5	1
8.Used IW-9	|										3
9.Used IW-10	|										

Value		w11	w12	w13
.M=Oth missing	|	455	213	4583
0.Used IW-1	|	19663	18049	15887
1.Used IW-2	|	257	358	342
2.Used IW-3	|	88	72	78
3.Used IW-4	|	56	25	13
4.Used IW-5	|	17	17	3
5.Used IW-6	|	7	4	2
6.Used IW-7	|	3	5	3
7.Used IW-8	|	4	3	1
8.Used IW-9	|	2	1	
9.Used IW-10	|	2		

SwGROSSF: ChgF:Walk1/R,Clim1,Bed,Bath /0-5

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|			3791	3566	268	227	2489	203	141	4098
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.Used IW-1	|			7885	10171	12232	11034	10257	11315	10233	9114
1.Used IW-2	|			241	176	163	276	133	121	201	154
2.Used IW-3	|				67	49	55	42	64	41	79
3.Used IW-4	|					18	32	22	21	17	32
4.Used IW-5	|						15	16	7	8	23
5.Used IW-6	|							13		4	6
6.Used IW-7	|								4		5
7.Used IW-8	|									1	
8.Used IW-9	|										2
9.Used IW-10	|										

Value		w11	w12	w13
.M=Oth missing	|	389	175	2519
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Used IW-1	|	11862	10606	9079
1.Used IW-2	|	145	173	148
2.Used IW-3	|	44	36	24
3.Used IW-4	|	33	12	5
4.Used IW-5	|	11	9	1
5.Used IW-6	|	2		2
6.Used IW-7	|		1	1

7.Used IW-8	|	
8.Used IW-9	|	
9.Used IW-10	|	2

RwFINEF: ChgF:Dime,Eat,Dress /0-3

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|			308	5119	307	250	3487	221	158	6452
0.Used IW-1	|			17321	15734	18828	17209	16194	17811	16482	15022
1.Used IW-2	|			362	413	288	479	274	255	403	291
2.Used IW-3	|				118	113	119	85	114	91	137
3.Used IW-4	|					42	71	46	39	52	60
4.Used IW-5	|						37	27	16	16	39
5.Used IW-6	|							16	9	4	17
6.Used IW-7	|								4	6	11
7.Used IW-8	|									5	2
8.Used IW-9	|										3
9.Used IW-10	|										

Value	|	w11	w12	w13
.M=Oth missing	|	455	217	4584
0.Used IW-1	|	19661	18047	15886
1.Used IW-2	|	257	356	342
2.Used IW-3	|	88	72	78
3.Used IW-4	|	56	25	13
4.Used IW-5	|	17	17	3
5.Used IW-6	|	7	4	2
6.Used IW-7	|	3	5	3
7.Used IW-8	|	4	3	1
8.Used IW-9	|	4	1	
9.Used IW-10	|	2		

SwFINEF: ChgF:Dime,Eat,Dress /0-3

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|			253	3513	257	221	2488	203	142	4099
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
0.Used IW-1	|			11423	10171	12231	11034	10258	11315	10232	9113
1.Used IW-2	|			241	229	162	276	133	121	201	154
2.Used IW-3	|				67	62	55	42	64	41	79
3.Used IW-4	|					18	38	22	21	17	32
4.Used IW-5	|						15	16	7	8	23
5.Used IW-6	|							13		4	6
6.Used IW-7	|								4		5
7.Used IW-8	|									1	
8.Used IW-9	|										2
9.Used IW-10	|										

Value	|	w11	w12	w13
.M=Oth missing	|	391	176	2519
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Used IW-1	|	11860	10606	9079
1.Used IW-2	|	145	172	148
2.Used IW-3	|	44	36	24
3.Used IW-4	|	33	12	5
4.Used IW-5	|	11	9	1
5.Used IW-6	|	2		2

6.Used IW-7	|	1	1
7.Used IW-8	|		
8.Used IW-9	|		
9.Used IW-10	|	2	

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" earlier in this document.

RwADLC, RwGROSSC, and RwFINEC are the changes from the previous to the current interview, in functional limitation indices for Activities of Daily Living (ADLs), gross motor activities, and fine motor activities, respectively. RwADLF, RwGROSSF, and RwFINEF indicate how far back the previous interview is and whether the change measure is missing. SwADLC, SwGROSSC, SwFINEC, SwADLF, SwGROSSF, and SwFINEF are this information for the Respondent's spouse or partner.

Because of significant differences in question wording in Wave 1, we do not include functional limitation indices for this interview year. Thus the change variables begin in Wave 3 with the change from Wave 2. There are other cross wave differences in the way HRS presented the functional limitation questions in Waves 2H and 2A and the later waves, that may introduce measurement errors in these variables, which in turn may affect the change variables. In addition, the criteria used for skipping some questions changed between Wave 3 and later waves, which may also influence the consistency of measurement before Wave 4 for all ADLs except dressing. RwADLA, RwGROSSA, and RwFINEA all include at least one ADL measure besides dressing.

RwADLA summarizes difficulty with walking across a room, getting in and out of bed, dressing, bathing, and eating. RwGROSSA summarizes difficulty with walking one block, walking across a room, climbing a flight of stairs, getting in and out of bed, and bathing. RwFINEA summarizes difficulty with picking up a dime, eating, and dressing.

The derivation of these variables is:

$$\text{RwADLC} = \text{RwADLA} - \text{RpADLA}$$

$$\text{RwGROSSC} = \text{RwGROSSA} - \text{RpGROSSA}$$

$$\text{RwFINEC} = \text{RwFINEA} - \text{RpFINEA}$$

Where "w" means current wave and "p" means the previous interview. For example, if an individual responded to Waves 3 and 4, $\text{R4ADLC} = \text{R4ADLA} - \text{R3ADLA}$.

In Wave 2A, one of the components of R2GROSSA is not collected, and R2GROSSA is set to .Q. So for Wave 3A, RwGROSSC is set to .Q to indicate that this change measure is not available.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwADLF, RwGROSSF, and RwFINEF indicate if there are any missed interviews prior to the current, and if so, how many. In other words, they indicate how far back the previous interview is, from which the change is measured. Their codes are: 0) did not miss the previous interview; change = current - [current-1]; 1) missed the previous interview, but only one; change = current - [current-2]; 2) missed the two previous interviews; change = current - [current-3]; 3) missed the three previous interviews; change = current - [current-4]; 4) missed the four previous interviews; change = current - [current-5]; 5) missed the five previous interviews; change = current - [current-6]; 9) either the current or previous interview measure is missing, so change is missing.

Please see the description of RwADLA in "ADL Summary" and of RwGROSSA and RwFINEA in "Other Summary Indices" earlier in this section.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3ADLC is taken from the Wave 3 spouse's R3ADLC variable.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data under "Cross Wave Differences in Original HRS Data" for the "Activities of daily living (ADLs): Some difficulty" and "Other functional limitations: Some difficulty."

Change in Health: Conditions

Wave	Variable	Label	Type
2	R2HIBPS	R2HIBPS:W2 R had hi BP since last IW	Categ
3	R3HIBPS	R3HIBPS:W3 R had hi BP since last IW	Categ
4	R4HIBPS	R4HIBPS:W4 R had hi BP since last IW	Categ
5	R5HIBPS	R5HIBPS:W5 R had hi BP since last IW	Categ
6	R6HIBPS	R6HIBPS:W6 R had hi BP since last IW	Categ
7	R7HIBPS	R7HIBPS:W7 R had hi BP since last IW	Categ
8	R8HIBPS	R8HIBPS:W8 R had hi BP since last IW	Categ
9	R9HIBPS	R9HIBPS:W9 R had hi BP since last IW	Categ
10	R10HIBPS	R10HIBPS:W10 R had hi BP since last IW	Categ
11	R11HIBPS	R11HIBPS:W11 R had hi BP since last IW	Categ
12	R12HIBPS	R12HIBPS:W12 R had hi BP since last IW	Categ
13	R13HIBPS	R13HIBPS:W13 R had hi BP since last IW	Categ
2	S2HIBPS	S2HIBPS:W2 S had hi BP since last IW	Categ
3	S3HIBPS	S3HIBPS:W3 S had hi BP since last IW	Categ
4	S4HIBPS	S4HIBPS:W4 S had hi BP since last IW	Categ
5	S5HIBPS	S5HIBPS:W5 S had hi BP since last IW	Categ
6	S6HIBPS	S6HIBPS:W6 S had hi BP since last IW	Categ
7	S7HIBPS	S7HIBPS:W7 S had hi BP since last IW	Categ
8	S8HIBPS	S8HIBPS:W8 S had hi BP since last IW	Categ
9	S9HIBPS	S9HIBPS:W9 S had hi BP since last IW	Categ
10	S10HIBPS	S10HIBPS:W10 S had hi BP since last IW	Categ
11	S11HIBPS	S11HIBPS:W11 S had hi BP since last IW	Categ
12	S12HIBPS	S12HIBPS:W12 S had hi BP since last IW	Categ
13	S13HIBPS	S13HIBPS:W13 S had hi BP since last IW	Categ
2	R2DIABS	R2DIABS:W2 R had diabetes since last IW	Categ
3	R3DIABS	R3DIABS:W3 R had diabetes since last IW	Categ
4	R4DIABS	R4DIABS:W4 R had diabetes since last IW	Categ
5	R5DIABS	R5DIABS:W5 R had diabetes since last IW	Categ
6	R6DIABS	R6DIABS:W6 R had diabetes since last IW	Categ
7	R7DIABS	R7DIABS:W7 R had diabetes since last IW	Categ
8	R8DIABS	R8DIABS:W8 R had diabetes since last IW	Categ
9	R9DIABS	R9DIABS:W9 R had diabetes since last IW	Categ
10	R10DIABS	R10DIABS:W10 R had diabetes since last IW	Categ
11	R11DIABS	R11DIABS:W11 R had diabetes since last IW	Categ
12	R12DIABS	R12DIABS:W12 R had diabetes since last IW	Categ
13	R13DIABS	R13DIABS:W13 R had diabetes since last IW	Categ
2	S2DIABS	S2DIABS:W2 S had diabetes since last IW	Categ
3	S3DIABS	S3DIABS:W3 S had diabetes since last IW	Categ
4	S4DIABS	S4DIABS:W4 S had diabetes since last IW	Categ
5	S5DIABS	S5DIABS:W5 S had diabetes since last IW	Categ
6	S6DIABS	S6DIABS:W6 S had diabetes since last IW	Categ
7	S7DIABS	S7DIABS:W7 S had diabetes since last IW	Categ
8	S8DIABS	S8DIABS:W8 S had diabetes since last IW	Categ
9	S9DIABS	S9DIABS:W9 S had diabetes since last IW	Categ
10	S10DIABS	S10DIABS:W10 S had diabetes since last IW	Categ
11	S11DIABS	S11DIABS:W11 S had diabetes since last IW	Categ
12	S12DIABS	S12DIABS:W12 S had diabetes since last IW	Categ
13	S13DIABS	S13DIABS:W13 S had diabetes since last IW	Categ
2	R2CANCERS	R2CANCERS:W2 R had cancer since last IW	Categ
3	R3CANCERS	R3CANCERS:W3 R had cancer since last IW	Categ
4	R4CANCERS	R4CANCERS:W4 R had cancer since last IW	Categ
5	R5CANCERS	R5CANCERS:W5 R had cancer since last IW	Categ
6	R6CANCERS	R6CANCERS:W6 R had cancer since last IW	Categ
7	R7CANCERS	R7CANCERS:W7 R had cancer since last IW	Categ
8	R8CANCERS	R8CANCERS:W8 R had cancer since last IW	Categ
9	R9CANCERS	R9CANCERS:W9 R had cancer since last IW	Categ
10	R10CANCERS	R10CANCERS:W10 R had cancer since last IW	Categ
11	R11CANCERS	R11CANCERS:W11 R had cancer since last IW	Categ
12	R12CANCERS	R12CANCERS:W12 R had cancer since last IW	Categ
13	R13CANCERS	R13CANCERS:W13 R had cancer since last IW	Categ
2	S2CANCERS	S2CANCERS:W2 S had cancer since last IW	Categ

3	S3CANCERS	S3CANCERS:W3 S had cancer since last IW	Categ
4	S4CANCERS	S4CANCERS:W4 S had cancer since last IW	Categ
5	S5CANCERS	S5CANCERS:W5 S had cancer since last IW	Categ
6	S6CANCERS	S6CANCERS:W6 S had cancer since last IW	Categ
7	S7CANCERS	S7CANCERS:W7 S had cancer since last IW	Categ
8	S8CANCERS	S8CANCERS:W8 S had cancer since last IW	Categ
9	S9CANCERS	S9CANCERS:W9 S had cancer since last IW	Categ
10	S10CANCERS	S10CANCERS:W10 S had cancer since last IW	Categ
11	S11CANCERS	S11CANCERS:W11 S had cancer since last IW	Categ
12	S12CANCERS	S12CANCERS:W12 S had cancer since last IW	Categ
13	S13CANCERS	S13CANCERS:W13 S had cancer since last IW	Categ
2	R2LUNGS	R2LUNGS:W2 R had lung dis since last IW	Categ
3	R3LUNGS	R3LUNGS:W3 R had lung dis since last IW	Categ
4	R4LUNGS	R4LUNGS:W4 R had lung dis since last IW	Categ
5	R5LUNGS	R5LUNGS:W5 R had lung dis since last IW	Categ
6	R6LUNGS	R6LUNGS:W6 R had lung dis since last IW	Categ
7	R7LUNGS	R7LUNGS:W7 R had lung dis since last IW	Categ
8	R8LUNGS	R8LUNGS:W8 R had lung dis since last IW	Categ
9	R9LUNGS	R9LUNGS:W9 R had lung dis since last IW	Categ
10	R10LUNGS	R10LUNGS:W10 R had lung dis since last IW	Categ
11	R11LUNGS	R11LUNGS:W11 R had lung dis since last IW	Categ
12	R12LUNGS	R12LUNGS:W12 R had lung dis since last IW	Categ
13	R13LUNGS	R13LUNGS:W13 R had lung dis since last IW	Categ
2	S2LUNGS	S2LUNGS:W2 S had lung dis since last IW	Categ
3	S3LUNGS	S3LUNGS:W3 S had lung dis since last IW	Categ
4	S4LUNGS	S4LUNGS:W4 S had lung dis since last IW	Categ
5	S5LUNGS	S5LUNGS:W5 S had lung dis since last IW	Categ
6	S6LUNGS	S6LUNGS:W6 S had lung dis since last IW	Categ
7	S7LUNGS	S7LUNGS:W7 S had lung dis since last IW	Categ
8	S8LUNGS	S8LUNGS:W8 S had lung dis since last IW	Categ
9	S9LUNGS	S9LUNGS:W9 S had lung dis since last IW	Categ
10	S10LUNGS	S10LUNGS:W10 S had lung dis since last IW	Categ
11	S11LUNGS	S11LUNGS:W11 S had lung dis since last IW	Categ
12	S12LUNGS	S12LUNGS:W12 S had lung dis since last IW	Categ
13	S13LUNGS	S13LUNGS:W13 S had lung dis since last IW	Categ
2	R2HEARTS	R2HEARTS:W2 R had heart prob snce lastIW	Categ
3	R3HEARTS	R3HEARTS:W3 R had heart prob snce lastIW	Categ
4	R4HEARTS	R4HEARTS:W4 R had heart prob snce lastIW	Categ
5	R5HEARTS	R5HEARTS:W5 R had heart prob snce lastIW	Categ
6	R6HEARTS	R6HEARTS:W6 R had heart prob snce lastIW	Categ
7	R7HEARTS	R7HEARTS:W7 R had heart prob snce lastIW	Categ
8	R8HEARTS	R8HEARTS:W8 R had heart prob snce lastIW	Categ
9	R9HEARTS	R9HEARTS:W9 R had heart prob snce lastIW	Categ
10	R10HEARTS	R10HEARTS:W10 R had heart prob snce lastIW	Categ
11	R11HEARTS	R11HEARTS:W11 R had heart prob snce lastIW	Categ
12	R12HEARTS	R12HEARTS:W12 R had heart prob snce lastIW	Categ
13	R13HEARTS	R13HEARTS:W13 R had heart prob snce lastIW	Categ
2	S2HEARTS	S2HEARTS:W2 S had heart prob snce lastIW	Categ
3	S3HEARTS	S3HEARTS:W3 S had heart prob snce lastIW	Categ
4	S4HEARTS	S4HEARTS:W4 S had heart prob snce lastIW	Categ
5	S5HEARTS	S5HEARTS:W5 S had heart prob snce lastIW	Categ
6	S6HEARTS	S6HEARTS:W6 S had heart prob snce lastIW	Categ
7	S7HEARTS	S7HEARTS:W7 S had heart prob snce lastIW	Categ
8	S8HEARTS	S8HEARTS:W8 S had heart prob snce lastIW	Categ
9	S9HEARTS	S9HEARTS:W9 S had heart prob snce lastIW	Categ
10	S10HEARTS	S10HEARTS:W10 S had heart prob snce lastIW	Categ
11	S11HEARTS	S11HEARTS:W11 S had heart prob snce lastIW	Categ
12	S12HEARTS	S12HEARTS:W12 S had heart prob snce lastIW	Categ
13	S13HEARTS	S13HEARTS:W13 S had heart prob snce lastIW	Categ
2	R2STROKS	R2STROKS:W2 R had stroke since last IW	Categ
3	R3STROKS	R3STROKS:W3 R had stroke since last IW	Categ
4	R4STROKS	R4STROKS:W4 R had stroke since last IW	Categ
5	R5STROKS	R5STROKS:W5 R had stroke since last IW	Categ
6	R6STROKS	R6STROKS:W6 R had stroke since last IW	Categ
7	R7STROKS	R7STROKS:W7 R had stroke since last IW	Categ
8	R8STROKS	R8STROKS:W8 R had stroke since last IW	Categ
9	R9STROKS	R9STROKS:W9 R had stroke since last IW	Categ

10	R10STROKS	R10STROKS:W10	R had stroke since last IW	Categ
11	R11STROKS	R11STROKS:W11	R had stroke since last IW	Categ
12	R12STROKS	R12STROKS:W12	R had stroke since last IW	Categ
13	R13STROKS	R13STROKS:W13	R had stroke since last IW	Categ
2	S2STROKS	S2STROKS:W2	S had stroke since last IW	Categ
3	S3STROKS	S3STROKS:W3	S had stroke since last IW	Categ
4	S4STROKS	S4STROKS:W4	S had stroke since last IW	Categ
5	S5STROKS	S5STROKS:W5	S had stroke since last IW	Categ
6	S6STROKS	S6STROKS:W6	S had stroke since last IW	Categ
7	S7STROKS	S7STROKS:W7	S had stroke since last IW	Categ
8	S8STROKS	S8STROKS:W8	S had stroke since last IW	Categ
9	S9STROKS	S9STROKS:W9	S had stroke since last IW	Categ
10	S10STROKS	S10STROKS:W10	S had stroke since last IW	Categ
11	S11STROKS	S11STROKS:W11	S had stroke since last IW	Categ
12	S12STROKS	S12STROKS:W12	S had stroke since last IW	Categ
13	S13STROKS	S13STROKS:W13	S had stroke since last IW	Categ
2	R2PSYCHS	R2PSYCHS:W2	R had psych prob snce lastIW	Categ
3	R3PSYCHS	R3PSYCHS:W3	R had psych prob snce lastIW	Categ
4	R4PSYCHS	R4PSYCHS:W4	R had psych prob snce lastIW	Categ
5	R5PSYCHS	R5PSYCHS:W5	R had psych prob snce lastIW	Categ
6	R6PSYCHS	R6PSYCHS:W6	R had psych prob snce lastIW	Categ
7	R7PSYCHS	R7PSYCHS:W7	R had psych prob snce lastIW	Categ
8	R8PSYCHS	R8PSYCHS:W8	R had psych prob snce lastIW	Categ
9	R9PSYCHS	R9PSYCHS:W9	R had psych prob snce lastIW	Categ
10	R10PSYCHS	R10PSYCHS:W10	R had psych prob snce lastIW	Categ
11	R11PSYCHS	R11PSYCHS:W11	R had psych prob snce lastIW	Categ
12	R12PSYCHS	R12PSYCHS:W12	R had psych prob snce lastIW	Categ
13	R13PSYCHS	R13PSYCHS:W13	R had psych prob snce lastIW	Categ
2	S2PSYCHS	S2PSYCHS:W2	S had psych prob snce lastIW	Categ
3	S3PSYCHS	S3PSYCHS:W3	S had psych prob snce lastIW	Categ
4	S4PSYCHS	S4PSYCHS:W4	S had psych prob snce lastIW	Categ
5	S5PSYCHS	S5PSYCHS:W5	S had psych prob snce lastIW	Categ
6	S6PSYCHS	S6PSYCHS:W6	S had psych prob snce lastIW	Categ
7	S7PSYCHS	S7PSYCHS:W7	S had psych prob snce lastIW	Categ
8	S8PSYCHS	S8PSYCHS:W8	S had psych prob snce lastIW	Categ
9	S9PSYCHS	S9PSYCHS:W9	S had psych prob snce lastIW	Categ
10	S10PSYCHS	S10PSYCHS:W10	S had psych prob snce lastIW	Categ
11	S11PSYCHS	S11PSYCHS:W11	S had psych prob snce lastIW	Categ
12	S12PSYCHS	S12PSYCHS:W12	S had psych prob snce lastIW	Categ
13	S13PSYCHS	S13PSYCHS:W13	S had psych prob snce lastIW	Categ
2	R2ARTHRS	R2ARTHRS:W2	R had arthritis snce last IW	Categ
3	R3ARTHRS	R3ARTHRS:W3	R had arthritis snce last IW	Categ
4	R4ARTHRS	R4ARTHRS:W4	R had arthritis snce last IW	Categ
5	R5ARTHRS	R5ARTHRS:W5	R had arthritis snce last IW	Categ
6	R6ARTHRS	R6ARTHRS:W6	R had arthritis snce last IW	Categ
7	R7ARTHRS	R7ARTHRS:W7	R had arthritis snce last IW	Categ
8	R8ARTHRS	R8ARTHRS:W8	R had arthritis snce last IW	Categ
9	R9ARTHRS	R9ARTHRS:W9	R had arthritis snce last IW	Categ
10	R10ARTHRS	R10ARTHRS:W10	R had arthritis snce last IW	Categ
11	R11ARTHRS	R11ARTHRS:W11	R had arthritis snce last IW	Categ
12	R12ARTHRS	R12ARTHRS:W12	R had arthritis snce last IW	Categ
13	R13ARTHRS	R13ARTHRS:W13	R had arthritis snce last IW	Categ
2	S2ARTHRS	S2ARTHRS:W2	S had arthritis snce last IW	Categ
3	S3ARTHRS	S3ARTHRS:W3	S had arthritis snce last IW	Categ
4	S4ARTHRS	S4ARTHRS:W4	S had arthritis snce last IW	Categ
5	S5ARTHRS	S5ARTHRS:W5	S had arthritis snce last IW	Categ
6	S6ARTHRS	S6ARTHRS:W6	S had arthritis snce last IW	Categ
7	S7ARTHRS	S7ARTHRS:W7	S had arthritis snce last IW	Categ
8	S8ARTHRS	S8ARTHRS:W8	S had arthritis snce last IW	Categ
9	S9ARTHRS	S9ARTHRS:W9	S had arthritis snce last IW	Categ
10	S10ARTHRS	S10ARTHRS:W10	S had arthritis snce last IW	Categ
11	S11ARTHRS	S11ARTHRS:W11	S had arthritis snce last IW	Categ
12	S12ARTHRS	S12ARTHRS:W12	S had arthritis snce last IW	Categ
13	S13ARTHRS	S13ARTHRS:W13	S had arthritis snce last IW	Categ
2	R2CONDS	R2CONDS:W2	Sum of conditns since lastIW	Cont
3	R3CONDS	R3CONDS:W3	Sum of conditns since lastIW	Cont

4	R4CONDS	R4CONDS:W4 Sum of conditns since lastIW	Cont
5	R5CONDS	R5CONDS:W5 Sum of conditns since lastIW	Cont
6	R6CONDS	R6CONDS:W6 Sum of conditns since lastIW	Cont
7	R7CONDS	R7CONDS:W7 Sum of conditns since lastIW	Cont
8	R8CONDS	R8CONDS:W8 Sum of conditns since lastIW	Cont
9	R9CONDS	R9CONDS:W9 Sum of conditns since lastIW	Cont
10	R10CONDS	R10CONDS:W10 Sum of conditns since lastIW	Cont
11	R11CONDS	R11CONDS:W11 Sum of conditns since lastIW	Cont
12	R12CONDS	R12CONDS:W12 Sum of conditns since lastIW	Cont
13	R13CONDS	R13CONDS:W13 Sum of conditns since lastIW	Cont
2	S2CONDS	S2CONDS:W2 Sum of conditns since lastIW	Cont
3	S3CONDS	S3CONDS:W3 Sum of conditns since lastIW	Cont
4	S4CONDS	S4CONDS:W4 Sum of conditns since lastIW	Cont
5	S5CONDS	S5CONDS:W5 Sum of conditns since lastIW	Cont
6	S6CONDS	S6CONDS:W6 Sum of conditns since lastIW	Cont
7	S7CONDS	S7CONDS:W7 Sum of conditns since lastIW	Cont
8	S8CONDS	S8CONDS:W8 Sum of conditns since lastIW	Cont
9	S9CONDS	S9CONDS:W9 Sum of conditns since lastIW	Cont
10	S10CONDS	S10CONDS:W10 Sum of conditns since lastIW	Cont
11	S11CONDS	S11CONDS:W11 Sum of conditns since lastIW	Cont
12	S12CONDS	S12CONDS:W12 Sum of conditns since lastIW	Cont
13	S13CONDS	S13CONDS:W13 Sum of conditns since lastIW	Cont
2	R2CONDSM	R2CONDSM:W2 # missings in sum cond since	Cont
3	R3CONDSM	R3CONDSM:W3 # missings in sum cond since	Cont
4	R4CONDSM	R4CONDSM:W4 # missings in sum cond since	Cont
5	R5CONDSM	R5CONDSM:W5 # missings in sum cond since	Cont
6	R6CONDSM	R6CONDSM:W6 # missings in sum cond since	Cont
7	R7CONDSM	R7CONDSM:W7 # missings in sum cond since	Cont
8	R8CONDSM	R8CONDSM:W8 # missings in sum cond since	Cont
9	R9CONDSM	R9CONDSM:W9 # missings in sum cond since	Cont
10	R10CONDSM	R10CONDSM:W10 # missings in sum cond since	Cont
11	R11CONDSM	R11CONDSM:W11 # missings in sum cond since	Cont
12	R12CONDSM	R12CONDSM:W12 # missings in sum cond since	Cont
13	R13CONDSM	R13CONDSM:W13 # missings in sum cond since	Cont
2	S2CONDSM	S2CONDSM:W2 # missings in sum cond since	Cont
3	S3CONDSM	S3CONDSM:W3 # missings in sum cond since	Cont
4	S4CONDSM	S4CONDSM:W4 # missings in sum cond since	Cont
5	S5CONDSM	S5CONDSM:W5 # missings in sum cond since	Cont
6	S6CONDSM	S6CONDSM:W6 # missings in sum cond since	Cont
7	S7CONDSM	S7CONDSM:W7 # missings in sum cond since	Cont
8	S8CONDSM	S8CONDSM:W8 # missings in sum cond since	Cont
9	S9CONDSM	S9CONDSM:W9 # missings in sum cond since	Cont
10	S10CONDSM	S10CONDSM:W10 # missings in sum cond since	Cont
11	S11CONDSM	S11CONDSM:W11 # missings in sum cond since	Cont
12	S12CONDSM	S12CONDSM:W12 # missings in sum cond since	Cont
13	S13CONDSM	S13CONDSM:W13 # missings in sum cond since	Cont
2	R2CONDSF	R2CONDSF:W2 # chg from dispute/sum since	Cont
3	R3CONDSF	R3CONDSF:W3 # chg from dispute/sum since	Cont
4	R4CONDSF	R4CONDSF:W4 # chg from dispute/sum since	Cont
5	R5CONDSF	R5CONDSF:W5 # chg from dispute/sum since	Cont
6	R6CONDSF	R6CONDSF:W6 # chg from dispute/sum since	Cont
7	R7CONDSF	R7CONDSF:W7 # chg from dispute/sum since	Cont
8	R8CONDSF	R8CONDSF:W8 # chg from dispute/sum since	Cont
9	R9CONDSF	R9CONDSF:W9 # chg from dispute/sum since	Cont
10	R10CONDSF	R10CONDSF:W10 # chg from dispute/sum since	Cont
11	R11CONDSF	R11CONDSF:W11 # chg from dispute/sum since	Cont
12	R12CONDSF	R12CONDSF:W12 # chg from dispute/sum since	Cont
13	R13CONDSF	R13CONDSF:W13 # chg from dispute/sum since	Cont
2	S2CONDSF	S2CONDSF:W2 # chg from dispute/sum since	Cont
3	S3CONDSF	S3CONDSF:W3 # chg from dispute/sum since	Cont
4	S4CONDSF	S4CONDSF:W4 # chg from dispute/sum since	Cont
5	S5CONDSF	S5CONDSF:W5 # chg from dispute/sum since	Cont
6	S6CONDSF	S6CONDSF:W6 # chg from dispute/sum since	Cont
7	S7CONDSF	S7CONDSF:W7 # chg from dispute/sum since	Cont
8	S8CONDSF	S8CONDSF:W8 # chg from dispute/sum since	Cont
9	S9CONDSF	S9CONDSF:W9 # chg from dispute/sum since	Cont
10	S10CONDSF	S10CONDSF:W10 # chg from dispute/sum since	Cont

11	S11CONDSF	S11CONDSF:W11 # chg from dispute/sum since	Cont
12	S12CONDSF	S12CONDSF:W12 # chg from dispute/sum since	Cont
13	S13CONDSF	S13CONDSF:W13 # chg from dispute/sum since	Cont
2	R2CONDSP	R2CONDSP:W2 Flag Prv IVW not Wv-1/since	Categ
3	R3CONDSP	R3CONDSP:W3 Flag Prv IVW not Wv-1/since	Categ
4	R4CONDSP	R4CONDSP:W4 Flag Prv IVW not Wv-1/since	Categ
5	R5CONDSP	R5CONDSP:W5 Flag Prv IVW not Wv-1/since	Categ
6	R6CONDSP	R6CONDSP:W6 Flag Prv IVW not Wv-1/since	Categ
7	R7CONDSP	R7CONDSP:W7 Flag Prv IVW not Wv-1/since	Categ
8	R8CONDSP	R8CONDSP:W8 Flag Prv IVW not Wv-1/since	Categ
9	R9CONDSP	R9CONDSP:W9 Flag Prv IVW not Wv-1/since	Categ
10	R10CONDSP	R10CONDSP:W10 Flag Prv IVW not Wv-1/since	Categ
11	R11CONDSP	R11CONDSP:W11 Flag Prv IVW not Wv-1/since	Categ
12	R12CONDSP	R12CONDSP:W12 Flag Prv IVW not Wv-1/since	Categ
13	R13CONDSP	R13CONDSP:W13 Flag Prv IVW not Wv-1/since	Categ
2	S2CONDSP	S2CONDSP:W2 Flag Prv IVW not Wv-1/since	Categ
3	S3CONDSP	S3CONDSP:W3 Flag Prv IVW not Wv-1/since	Categ
4	S4CONDSP	S4CONDSP:W4 Flag Prv IVW not Wv-1/since	Categ
5	S5CONDSP	S5CONDSP:W5 Flag Prv IVW not Wv-1/since	Categ
6	S6CONDSP	S6CONDSP:W6 Flag Prv IVW not Wv-1/since	Categ
7	S7CONDSP	S7CONDSP:W7 Flag Prv IVW not Wv-1/since	Categ
8	S8CONDSP	S8CONDSP:W8 Flag Prv IVW not Wv-1/since	Categ
9	S9CONDSP	S9CONDSP:W9 Flag Prv IVW not Wv-1/since	Categ
10	S10CONDSP	S10CONDSP:W10 Flag Prv IVW not Wv-1/since	Categ
11	S11CONDSP	S11CONDSP:W11 Flag Prv IVW not Wv-1/since	Categ
12	S12CONDSP	S12CONDSP:W12 Flag Prv IVW not Wv-1/since	Categ
13	S13CONDSP	S13CONDSP:W13 Flag Prv IVW not Wv-1/since	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2HIBPS	11419	0.03	0.18	0.0	1.0
R3HIBPS	17707	0.04	0.19	0.0	1.0
R4HIBPS	16273	0.04	0.20	0.0	1.0
R5HIBPS	19293	0.05	0.21	0.0	1.0
R6HIBPS	17910	0.05	0.23	0.0	1.0
R7HIBPS	16627	0.05	0.22	0.0	1.0
R8HIBPS	18224	0.05	0.22	0.0	1.0
R9HIBPS	17036	0.05	0.22	0.0	1.0
R10HIBPS	15549	0.05	0.22	0.0	1.0
R11HIBPS	20170	0.04	0.20	0.0	1.0
R12HIBPS	18511	0.04	0.18	0.0	1.0
R13HIBPS	16295	0.04	0.19	0.0	1.0
S2HIBPS	8739	0.03	0.18	0.0	1.0
S3HIBPS	11671	0.03	0.18	0.0	1.0
S4HIBPS	10468	0.04	0.20	0.0	1.0
S5HIBPS	12476	0.05	0.21	0.0	1.0
S6HIBPS	11417	0.05	0.23	0.0	1.0
S7HIBPS	10475	0.05	0.22	0.0	1.0
S8HIBPS	11525	0.05	0.22	0.0	1.0
S9HIBPS	10492	0.05	0.22	0.0	1.0
S10HIBPS	9398	0.05	0.21	0.0	1.0
S11HIBPS	12146	0.04	0.20	0.0	1.0
S12HIBPS	10813	0.03	0.18	0.0	1.0
S13HIBPS	9230	0.04	0.19	0.0	1.0
R2DIABS	11418	0.02	0.13	0.0	1.0
R3DIABS	17699	0.02	0.14	0.0	1.0

R4DIABS	16269	0.02	0.14	0.0	1.0
R5DIABS	19291	0.02	0.15	0.0	1.0
R6DIABS	17914	0.03	0.17	0.0	1.0
R7DIABS	16625	0.03	0.16	0.0	1.0
R8DIABS	18223	0.03	0.17	0.0	1.0
R9DIABS	17035	0.03	0.16	0.0	1.0
R10DIABS	15550	0.03	0.18	0.0	1.0
R11DIABS	20180	0.03	0.16	0.0	1.0
R12DIABS	18525	0.03	0.16	0.0	1.0
R13DIABS	16309	0.04	0.19	0.0	1.0
S2DIABS	8740	0.02	0.12	0.0	1.0
S3DIABS	11668	0.02	0.13	0.0	1.0
S4DIABS	10469	0.02	0.13	0.0	1.0
S5DIABS	12475	0.02	0.15	0.0	1.0
S6DIABS	11417	0.03	0.17	0.0	1.0
S7DIABS	10471	0.03	0.16	0.0	1.0
S8DIABS	11519	0.03	0.16	0.0	1.0
S9DIABS	10490	0.03	0.16	0.0	1.0
S10DIABS	9403	0.03	0.18	0.0	1.0
S11DIABS	12156	0.02	0.15	0.0	1.0
S12DIABS	10832	0.03	0.16	0.0	1.0
S13DIABS	9246	0.04	0.20	0.0	1.0
R2CANCERS	11415	0.01	0.11	0.0	1.0
R3CANCERS	17702	0.02	0.14	0.0	1.0
R4CANCERS	16265	0.02	0.15	0.0	1.0
R5CANCERS	19279	0.02	0.14	0.0	1.0
R6CANCERS	17904	0.03	0.16	0.0	1.0
R7CANCERS	16617	0.02	0.15	0.0	1.0
R8CANCERS	18212	0.02	0.15	0.0	1.0
R9CANCERS	17026	0.02	0.15	0.0	1.0
R10CANCERS	15540	0.03	0.16	0.0	1.0
R11CANCERS	20165	0.02	0.14	0.0	1.0
R12CANCERS	18512	0.02	0.14	0.0	1.0
R13CANCERS	16295	0.02	0.15	0.0	1.0
S2CANCERS	8737	0.01	0.11	0.0	1.0
S3CANCERS	11665	0.02	0.14	0.0	1.0
S4CANCERS	10462	0.02	0.15	0.0	1.0
S5CANCERS	12469	0.02	0.14	0.0	1.0
S6CANCERS	11411	0.03	0.16	0.0	1.0
S7CANCERS	10467	0.02	0.15	0.0	1.0
S8CANCERS	11512	0.02	0.15	0.0	1.0
S9CANCERS	10484	0.02	0.15	0.0	1.0
S10CANCERS	9391	0.03	0.17	0.0	1.0
S11CANCERS	12146	0.02	0.14	0.0	1.0
S12CANCERS	10819	0.02	0.15	0.0	1.0
S13CANCERS	9237	0.02	0.15	0.0	1.0
R2LUNGS	11420	0.01	0.11	0.0	1.0
R3LUNGS	17712	0.01	0.11	0.0	1.0
R4LUNGS	16282	0.02	0.12	0.0	1.0
R5LUNGS	19299	0.01	0.12	0.0	1.0
R6LUNGS	17917	0.02	0.13	0.0	1.0
R7LUNGS	16632	0.02	0.13	0.0	1.0
R8LUNGS	18226	0.02	0.13	0.0	1.0
R9LUNGS	17041	0.02	0.13	0.0	1.0
R10LUNGS	15563	0.02	0.14	0.0	1.0

R11LUNGS	20193	0.02	0.13	0.0	1.0
R12LUNGS	18540	0.02	0.12	0.0	1.0
R13LUNGS	16316	0.02	0.14	0.0	1.0
S2LUNGS	8739	0.01	0.11	0.0	1.0
S3LUNGS	11671	0.01	0.10	0.0	1.0
S4LUNGS	10468	0.01	0.11	0.0	1.0
S5LUNGS	12476	0.01	0.12	0.0	1.0
S6LUNGS	11416	0.01	0.11	0.0	1.0
S7LUNGS	10473	0.02	0.13	0.0	1.0
S8LUNGS	11520	0.01	0.12	0.0	1.0
S9LUNGS	10492	0.01	0.12	0.0	1.0
S10LUNGS	9408	0.02	0.13	0.0	1.0
S11LUNGS	12162	0.01	0.11	0.0	1.0
S12LUNGS	10835	0.01	0.11	0.0	1.0
S13LUNGS	9248	0.02	0.13	0.0	1.0
R2HEARTS	11422	0.02	0.15	0.0	1.0
R3HEARTS	17713	0.03	0.18	0.0	1.0
R4HEARTS	16280	0.03	0.18	0.0	1.0
R5HEARTS	19301	0.03	0.18	0.0	1.0
R6HEARTS	17919	0.04	0.19	0.0	1.0
R7HEARTS	16627	0.04	0.19	0.0	1.0
R8HEARTS	18224	0.03	0.18	0.0	1.0
R9HEARTS	17038	0.03	0.18	0.0	1.0
R10HEARTS	15564	0.04	0.20	0.0	1.0
R11HEARTS	20186	0.03	0.17	0.0	1.0
R12HEARTS	18524	0.03	0.18	0.0	1.0
R13HEARTS	16307	0.04	0.19	0.0	1.0
S2HEARTS	8742	0.02	0.15	0.0	1.0
S3HEARTS	11675	0.03	0.17	0.0	1.0
S4HEARTS	10471	0.03	0.18	0.0	1.0
S5HEARTS	12478	0.03	0.17	0.0	1.0
S6HEARTS	11418	0.03	0.18	0.0	1.0
S7HEARTS	10472	0.03	0.18	0.0	1.0
S8HEARTS	11522	0.03	0.17	0.0	1.0
S9HEARTS	10492	0.03	0.17	0.0	1.0
S10HEARTS	9403	0.04	0.19	0.0	1.0
S11HEARTS	12156	0.03	0.16	0.0	1.0
S12HEARTS	10825	0.03	0.17	0.0	1.0
S13HEARTS	9243	0.03	0.18	0.0	1.0
R2STROKS	11422	0.01	0.08	0.0	1.0
R3STROKS	17712	0.02	0.14	0.0	1.0
R4STROKS	16281	0.02	0.14	0.0	1.0
R5STROKS	19304	0.02	0.14	0.0	1.0
R6STROKS	17921	0.02	0.14	0.0	1.0
R7STROKS	16640	0.02	0.14	0.0	1.0
R8STROKS	18237	0.02	0.13	0.0	1.0
R9STROKS	17050	0.02	0.13	0.0	1.0
R10STROKS	15573	0.02	0.15	0.0	1.0
R11STROKS	20197	0.02	0.13	0.0	1.0
R12STROKS	18536	0.02	0.13	0.0	1.0
R13STROKS	16323	0.02	0.13	0.0	1.0
S2STROKS	8742	0.01	0.07	0.0	1.0
S3STROKS	11672	0.02	0.12	0.0	1.0
S4STROKS	10469	0.02	0.12	0.0	1.0

S5STROKS	12479	0.02	0.12	0.0	1.0
S6STROKS	11421	0.02	0.13	0.0	1.0
S7STROKS	10478	0.01	0.12	0.0	1.0
S8STROKS	11524	0.01	0.12	0.0	1.0
S9STROKS	10496	0.01	0.11	0.0	1.0
S10STROKS	9406	0.02	0.13	0.0	1.0
S11STROKS	12160	0.01	0.11	0.0	1.0
S12STROKS	10831	0.01	0.11	0.0	1.0
S13STROKS	9251	0.01	0.12	0.0	1.0
R2PSYCHS	11420	0.02	0.14	0.0	1.0
R3PSYCHS	17711	0.02	0.15	0.0	1.0
R4PSYCHS	16281	0.02	0.14	0.0	1.0
R5PSYCHS	19303	0.02	0.14	0.0	1.0
R6PSYCHS	17923	0.02	0.15	0.0	1.0
R7PSYCHS	16633	0.02	0.14	0.0	1.0
R8PSYCHS	18226	0.02	0.15	0.0	1.0
R9PSYCHS	17041	0.02	0.14	0.0	1.0
R10PSYCHS	15555	0.02	0.14	0.0	1.0
R11PSYCHS	20176	0.02	0.14	0.0	1.0
R12PSYCHS	18520	0.02	0.14	0.0	1.0
R13PSYCHS	16315	0.02	0.15	0.0	1.0
S2PSYCHS	8740	0.02	0.13	0.0	1.0
S3PSYCHS	11673	0.02	0.13	0.0	1.0
S4PSYCHS	10468	0.02	0.12	0.0	1.0
S5PSYCHS	12478	0.02	0.13	0.0	1.0
S6PSYCHS	11422	0.02	0.14	0.0	1.0
S7PSYCHS	10476	0.02	0.13	0.0	1.0
S8PSYCHS	11514	0.02	0.15	0.0	1.0
S9PSYCHS	10487	0.02	0.13	0.0	1.0
S10PSYCHS	9398	0.02	0.13	0.0	1.0
S11PSYCHS	12155	0.02	0.13	0.0	1.0
S12PSYCHS	10825	0.02	0.13	0.0	1.0
S13PSYCHS	9245	0.02	0.13	0.0	1.0
R2ARTHR	11419	0.06	0.23	0.0	1.0
R3ARTHR	17710	0.14	0.34	0.0	1.0
R4ARTHR	16281	0.07	0.25	0.0	1.0
R5ARTHR	19296	0.05	0.22	0.0	1.0
R6ARTHR	17907	0.05	0.23	0.0	1.0
R7ARTHR	16619	0.05	0.21	0.0	1.0
R8ARTHR	18233	0.04	0.20	0.0	1.0
R9ARTHR	17050	0.04	0.20	0.0	1.0
R10ARTHR	15563	0.04	0.20	0.0	1.0
R11ARTHR	20186	0.04	0.20	0.0	1.0
R12ARTHR	18534	0.04	0.19	0.0	1.0
R13ARTHR	16322	0.04	0.20	0.0	1.0
S2ARTHR	8739	0.06	0.23	0.0	1.0
S3ARTHR	11671	0.11	0.32	0.0	1.0
S4ARTHR	10469	0.06	0.24	0.0	1.0
S5ARTHR	12472	0.05	0.22	0.0	1.0
S6ARTHR	11408	0.06	0.23	0.0	1.0
S7ARTHR	10463	0.05	0.21	0.0	1.0
S8ARTHR	11520	0.04	0.20	0.0	1.0
S9ARTHR	10494	0.04	0.21	0.0	1.0
S10ARTHR	9397	0.04	0.20	0.0	1.0
S11ARTHR	12155	0.04	0.20	0.0	1.0

S12ARTHS	10829	0.04	0.19	0.0	1.0
S13ARTHS	9245	0.04	0.21	0.0	1.0
R2CONDS	11423	0.18	0.45	0.0	4.0
R3CONDS	17721	0.30	0.56	0.0	5.0
R4CONDS	16292	0.24	0.52	0.0	4.0
R5CONDS	19314	0.23	0.50	0.0	5.0
R6CONDS	17937	0.26	0.53	0.0	5.0
R7CONDS	16654	0.24	0.51	0.0	5.0
R8CONDS	18259	0.23	0.51	0.0	5.0
R9CONDS	17071	0.23	0.50	0.0	5.0
R10CONDS	15592	0.26	0.53	0.0	4.0
R11CONDS	20221	0.21	0.49	0.0	5.0
R12CONDS	18568	0.20	0.47	0.0	5.0
R13CONDS	16353	0.24	0.52	0.0	5.0
S2CONDS	8742	0.17	0.44	0.0	4.0
S3CONDS	11677	0.26	0.52	0.0	5.0
S4CONDS	10476	0.23	0.49	0.0	4.0
S5CONDS	12484	0.22	0.49	0.0	5.0
S6CONDS	11428	0.25	0.51	0.0	4.0
S7CONDS	10486	0.23	0.50	0.0	5.0
S8CONDS	11535	0.23	0.50	0.0	5.0
S9CONDS	10504	0.22	0.49	0.0	4.0
S10CONDS	9414	0.25	0.51	0.0	4.0
S11CONDS	12173	0.20	0.48	0.0	5.0
S12CONDS	10844	0.19	0.45	0.0	4.0
S13CONDS	9261	0.23	0.50	0.0	5.0
R2CONDSM	11423	0.00	0.06	0.0	2.0
R3CONDSM	17721	0.01	0.12	0.0	7.0
R4CONDSM	16293	0.01	0.15	0.0	8.0
R5CONDSM	19314	0.01	0.13	0.0	7.0
R6CONDSM	17938	0.01	0.17	0.0	8.0
R7CONDSM	16657	0.01	0.20	0.0	8.0
R8CONDSM	18261	0.02	0.19	0.0	8.0
R9CONDSM	17074	0.02	0.20	0.0	8.0
R10CONDSM	15595	0.02	0.21	0.0	8.0
R11CONDSM	20223	0.02	0.19	0.0	8.0
R12CONDSM	18569	0.02	0.20	0.0	8.0
R13CONDSM	16354	0.02	0.21	0.0	8.0
S2CONDSM	8742	0.00	0.05	0.0	2.0
S3CONDSM	11677	0.00	0.11	0.0	7.0
S4CONDSM	10476	0.01	0.14	0.0	7.0
S5CONDSM	12484	0.01	0.11	0.0	7.0
S6CONDSM	11429	0.01	0.17	0.0	8.0
S7CONDSM	10487	0.01	0.17	0.0	8.0
S8CONDSM	11536	0.01	0.16	0.0	8.0
S9CONDSM	10507	0.01	0.18	0.0	8.0
S10CONDSM	9417	0.01	0.18	0.0	8.0
S11CONDSM	12175	0.01	0.17	0.0	8.0
S12CONDSM	10845	0.01	0.16	0.0	8.0
S13CONDSM	9262	0.02	0.18	0.0	8.0
R2CONDSF	19642	0.05	0.23	0.0	4.0
R3CONDSF	17991	0.19	0.46	0.0	5.0
R4CONDSF	21384	0.11	0.36	0.0	4.0
R5CONDSF	19578	0.12	0.36	0.0	4.0

R6CONDSF	18165	0.10	0.33	0.0	3.0
R7CONDSF	20129	0.10	0.33	0.0	3.0
R8CONDSF	18469	0.10	0.34	0.0	4.0
R9CONDSF	17217	0.11	0.34	0.0	3.0
R10CONDSF	22034	0.07	0.28	0.0	6.0
R11CONDSF	20554	0.09	0.31	0.0	5.0
R12CONDSF	18747	0.07	0.29	0.0	3.0
R13CONDSF	20912	0.06	0.26	0.0	4.0
S2CONDSF	13090	0.05	0.24	0.0	3.0
S3CONDSF	11917	0.18	0.45	0.0	5.0
S4CONDSF	13980	0.11	0.34	0.0	3.0
S5CONDSF	12730	0.11	0.35	0.0	4.0
S6CONDSF	11639	0.10	0.32	0.0	3.0
S7CONDSF	12972	0.09	0.32	0.0	3.0
S8CONDSF	11735	0.09	0.32	0.0	3.0
S9CONDSF	10646	0.10	0.32	0.0	3.0
S10CONDSF	13513	0.06	0.27	0.0	4.0
S11CONDSF	12488	0.08	0.29	0.0	4.0
S12CONDSF	11012	0.07	0.27	0.0	3.0
S13CONDSF	11779	0.05	0.24	0.0	4.0
R2CONDSP	11423	0.00	0.00	0.0	0.0
R3CONDSP	17721	0.02	0.14	0.0	1.0
R4CONDSP	16293	0.04	0.23	0.0	2.0
R5CONDSP	19314	0.03	0.24	0.0	3.0
R6CONDSP	17938	0.06	0.34	0.0	4.0
R7CONDSP	16657	0.05	0.33	0.0	5.0
R8CONDSP	18261	0.04	0.30	0.0	6.0
R9CONDSP	17074	0.05	0.35	0.0	7.0
R10CONDSP	15595	0.07	0.44	0.0	8.0
R11CONDSP	20223	0.04	0.33	0.0	9.0
R12CONDSP	18569	0.04	0.30	0.0	8.0
R13CONDSP	16354	0.04	0.25	0.0	7.0
S2CONDSP	8742	0.00	0.00	0.0	0.0
S3CONDSP	11677	0.02	0.14	0.0	1.0
S4CONDSP	10476	0.03	0.22	0.0	2.0
S5CONDSP	12484	0.03	0.21	0.0	3.0
S6CONDSP	11429	0.05	0.30	0.0	4.0
S7CONDSP	10487	0.04	0.32	0.0	5.0
S8CONDSP	11536	0.03	0.27	0.0	6.0
S9CONDSP	10507	0.04	0.28	0.0	7.0
S10CONDSP	9417	0.06	0.41	0.0	8.0
S11CONDSP	12175	0.03	0.29	0.0	9.0
S12CONDSP	10845	0.03	0.23	0.0	6.0
S13CONDSP	9262	0.03	0.20	0.0	6.0

Categorical Variable Codes

RwHIBPS: R had hi BP since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4	4	8	6	9	11	19	15	23
.M=Oth missing	|			10	12	14	19	18	18	19	22
.P=No prev IW	|		8219	270	5091	264	227	3472	208	143	6439
.R=RF	|					1		1		4	1
0.No	|		11031	17075	15558	18406	16925	15773	17304	16167	14791
1.Yes	|		388	632	715	887	985	854	920	869	758

Value		w11	w12	w13
.D=DK/NA	|	23	16	16
.M=Oth missing	|	28	40	42
.P=No prev IW	|	331	178	4558
.R=RF	|	2	2	1
0.No	|	19358	17860	15660
1.Yes	|	812	651	635

SwHIBPS: S had hi BP since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3	2	4	2	3	2	4	6	8
.M=Oth missing	|			4	4	6	9	10	7	6	10
.P=No prev IW	|		4348	240	3504	246	210	2485	199	139	4096
.R=RF	|									3	1
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		8446	11295	10011	11888	10799	9952	10927	9968	8944
1.Yes	|		293	376	457	588	618	523	598	524	454

Value		w11	w12	w13
.D=DK/NA	|	12	7	9
.M=Oth missing	|	15	24	22
.P=No prev IW	|	313	167	2517
.R=RF	|	2	1	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11647	10453	8874
1.Yes	|	499	360	356

RwDIABS: R had diabetes since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		5	8	7	3	4	13	15	11	16
.M=Oth missing	|			12	17	17	19	18	21	25	26
.P=No prev IW	|		8219	270	5091	264	227	3472	208	143	6439
.R=RF	|			2		3	1	1	2	3	3
0.No	|		11224	17359	15953	18868	17388	16201	17711	16598	15039
1.Yes	|		194	340	316	423	526	424	512	437	511

Value		w11	w12	w13
.D=DK/NA	|	12	12	13
.M=Oth missing	|	31	31	29
.P=No prev IW	|	331	178	4558
.R=RF	|		1	3
0.No	|	19660	18041	15664
1.Yes	|	520	484	645

SwDIABS: S had diabetes since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		2	4	1	1	2	5	6	4	3
.M=Oth missing	|			5	6	7	10	11	10	12	10
.P=No prev IW	|		4348	240	3504	246	210	2485	199	139	4096
.R=RF	|					1			1	1	1
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		8605	11454	10281	12194	11077	10205	11202	10216	9083
1.Yes	|		135	214	188	281	340	266	317	274	320

Value		w11	w12	w13
.D=DK/NA	|	5	1	6
.M=Oth missing	|	14	11	8
.P=No prev IW	|	313	167	2517
.R=RF	|		1	2
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11858	10548	8874
1.Yes	|	298	284	372

RwCANCERS: R had cancer since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		6	7	10	8	5	12	12	8	15
.M=Oth missing	|			9	17	23	28	26	35	37	39
.P=No prev IW	|		8219	270	5091	264	227	3472	208	143	6439
.R=RF	|		2	3	1	4	1	2	2	3	1
0.No	|		11276	17356	15884	18872	17438	16226	17798	16617	15125
1.Yes	|		139	346	381	407	466	391	414	409	415

Value		w11	w12	w13
.D=DK/NA	|	10	14	11
.M=Oth missing	|	46	42	47
.P=No prev IW	|	331	178	4558
.R=RF	|	2	1	1
0.No	|	19743	18138	15906
1.Yes	|	422	374	389

SwCANCERS: S had cancer since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3	6	3	2	4	6	6	5	8
.M=Oth missing	|			5	10	12	13	14	17	16	17
.P=No prev IW	|		4348	240	3504	246	210	2485	199	139	4096
.R=RF	|		2	1	1	1	1		1	2	1
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		8630	11433	10215	12211	11119	10217	11256	10234	9125
1.Yes	|		107	232	247	258	292	250	256	250	266

Value		w11	w12	w13
.D=DK/NA	|	6	6	3
.M=Oth missing	|	23	19	21
.P=No prev IW	|	313	167	2517
.R=RF	|		1	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11891	10579	9021
1.Yes	|	255	240	216

RwLUNGS: R had lung dis since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		2	1	4	6	8	6	16	6	9
.M=Oth missing	|			7	7	6	12	17	17	24	22
.P=No prev IW	|		8219	270	5091	264	227	3472	208	143	6439
.R=RF	|		1	1		3	1	2	2	3	1
0.No	|		11268	17514	16024	19019	17617	16339	17936	16746	15264
1.Yes	|		152	198	258	280	300	293	290	295	299

Value		w11	w12	w13
.D=DK/NA	|	6	12	14
.M=Oth missing	|	23	16	23
.P=No prev IW	|	331	178	4558
.R=RF	|	1	1	1
0.No	|	19872	18252	15990
1.Yes	|	321	288	326

SwLUNGS: S had lung dis since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		2	1	2	2	4	2	7	4	1
.M=Oth missing	|			5	6	5	8	12	8	9	7
.P=No prev IW	|		4348	240	3504	246	210	2485	199	139	4096
.R=RF	|		1			1	1		1	2	1
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		8633	11552	10329	12303	11263	10299	11353	10335	9258
1.Yes	|		106	119	139	173	153	174	167	157	150

Value		w11	w12	w13
.D=DK/NA	|	2	3	6
.M=Oth missing	|	11	6	8
.P=No prev IW	|	313	167	2517
.R=RF	|		1	
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	12002	10693	9091
1.Yes	|	160	142	157

RwHEARTS: R had heart prob snce lastIW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		1	1	6	2	9	13	12	7	8
.M=Oth missing	|			6	7	9	9	16	23	26	21
.P=No prev IW	|		8219	270	5091	264	227	3472	208	143	6439
.R=RF	|			1		2	1	1	2	3	2
0.No	|		11172	17115	15716	18687	17254	15994	17601	16475	14896
1.Yes	|		250	598	564	614	665	633	623	563	668

Value		w11	w12	w13
.D=DK/NA	|	11	19	10
.M=Oth missing	|	24	24	36
.P=No prev IW	|	331	178	4558
.R=RF	|	2	2	1
0.No	|	19566	17909	15692
1.Yes	|	620	615	615

SwHEARTS: S had heart prob snce lastIW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|				2	1	4	6	3	4	3
.M=Oth missing	|			2	3	4	6	9	10	9	10
.P=No prev IW	|		4348	240	3504	246	210	2485	199	139	4096
.R=RF	|					1	1		1	2	1
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		8553	11315	10117	12118	11036	10114	11158	10163	9036
1.Yes	|		189	360	354	360	382	358	364	329	367

Value		w11	w12	w13
.D=DK/NA	|	4	7	3
.M=Oth missing	|	14	12	15
.P=No prev IW	|	313	167	2517
.R=RF	|	1	1	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11819	10495	8934
1.Yes	|	337	330	309

RwSTROKS: R had stroke since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		1	3	5	1	7	5	11	6	4
.M=Oth missing	|			4	7	5	9	11	11	15	16
.P=No prev IW	|		8219	270	5091	264	227	3472	208	143	6439
.R=RF	|			2		4	1	1	2	3	2
0.No	|		11347	17361	15949	18939	17553	16328	17912	16750	15225
1.Yes	|		75	351	332	365	368	312	325	300	348

Value		w11	w12	w13
.D=DK/NA	|	8	12	9
.M=Oth missing	|	17	18	21
.P=No prev IW	|	331	178	4558
.R=RF	|	1	3	1
0.No	|	19860	18236	16023
1.Yes	|	337	300	300

SwSTROKS: S had stroke since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			2	2	1	1	2	5	2	1
.M=Oth missing	|			3	5	3	6	7	6	7	9
.P=No prev IW	|		4348	240	3504	246	210	2485	199	139	4096
.R=RF	|					1	1		1	2	1
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		8696	11490	10309	12290	11238	10333	11357	10356	9234
1.Yes	|		46	182	160	189	183	145	167	140	172

Value		w11	w12	w13
.D=DK/NA	|	4	3	3
.M=Oth missing	|	11	9	7
.P=No prev IW	|	313	167	2517
.R=RF	|		2	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	12001	10688	9115
1.Yes	|	159	143	136

RwPSYCHS: R had psych prob snce lastIW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			3	5	4	4	9	11	7	14
.M=Oth missing	|			6	7	6	9	13	21	23	24
.P=No prev IW	|		8219	270	5091	264	227	3472	208	143	6439
.R=RF	|		3	1		1	2	2	3	3	2
0.No	|		11207	17320	15955	18940	17502	16278	17782	16694	15224
1.Yes	|		213	391	326	363	421	355	444	347	331

Value		w11	w12	w13
.D=DK/NA	|	10	12	7
.M=Oth missing	|	34	30	31
.P=No prev IW	|	331	178	4558
.R=RF	|	3	7	1
0.No	|	19743	18161	15955
1.Yes	|	433	359	360

SwPSYCHS: S had psych prob snce lastIW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|				4	2	1	4	7	4	4
.M=Oth missing	|			4	4	4	5	6	13	14	14
.P=No prev IW	|		4348	240	3504	246	210	2485	199	139	4096
.R=RF	|		2				1	1	2	2	1
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		8593	11462	10310	12274	11201	10292	11260	10305	9225
1.Yes	|		147	211	158	204	221	184	254	182	173

Value		w11	w12	w13
.D=DK/NA	|	3	4	2
.M=Oth missing	|	17	14	14
.P=No prev IW	|	313	167	2517
.R=RF	|		2	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11931	10648	9081
1.Yes	|	224	177	164

RwARTHRs: R had arthritis since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		4	1	7	7	13	11	4	7	14
.M=Oth missing	|			9	5	8	17	26	23	13	16
.P=No prev IW	|		8219	270	5091	264	227	3472	208	143	6439
.R=RF	|			1		3	1	1	1	4	2
0.No	|		10770	15301	15191	18275	16935	15862	17477	16343	14911
1.Yes	|		649	2409	1090	1021	972	757	756	707	652

Value		w11	w12	w13
.D=DK/NA	|	10	11	9
.M=Oth missing	|	26	20	20
.P=No prev IW	|	331	178	4558
.R=RF	|	1	4	3
0.No	|	19344	17811	15614
1.Yes	|	842	723	708

SwARTHRs: S had arthritis since last IW

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|		3	1	3	5	8	7	1	4	8
.M=Oth missing	|			5	4	6	12	17	15	7	11
.P=No prev IW	|		4348	240	3504	246	210	2485	199	139	4096
.R=RF	|					1	1			2	1
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|		8244	10354	9800	11810	10760	9962	11016	10031	8984
1.Yes	|		495	1317	669	662	648	501	504	463	413

Value		w11	w12	w13
.D=DK/NA	|	4	5	4
.M=Oth missing	|	16	10	12
.P=No prev IW	|	313	167	2517
.R=RF	|		1	1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11636	10402	8831
1.Yes	|	519	427	414

RwCONDSP: Flag Prv IVW not Wv-1/since

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prv IW	|		8219	270	5091	264	227	3472	208	143	6439
0.Used IW-1	|		11423	17354	15761	18859	17225	16204	17823	16493	15031
1.Used IW-2	|			367	413	298	485	276	255	405	292
2.Used IW-3	|				119	114	120	87	114	91	139
3.Used IW-4	|					43	71	47	39	53	60
4.Used IW-5	|						37	27	17	16	39
5.Used IW-6	|							16	9	5	18
6.Used IW-7	|								4	6	11
7.Used IW-8	|									5	2
8.Used IW-9	|										3
9.Used IW-10	|										

Value		w11	w12	w13
.P=No prv IW	|	331	178	4558
0.Used IW-1	|	19783	18075	15908
1.Used IW-2	|	258	365	343
2.Used IW-3	|	89	73	80
3.Used IW-4	|	56	26	14
4.Used IW-5	|	17	17	3
5.Used IW-6	|	7	4	2
6.Used IW-7	|	3	5	3
7.Used IW-8	|	4	3	1
8.Used IW-9	|	4	1	
9.Used IW-10	|	2		

SwCONDSP: Flag Prv IVW not Wv-1/since

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.P=No prv IW	|		4348	240	3504	246	210	2485	199	139	4096
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.Used IW-1	|		8742	11435	10180	12240	11042	10260	11318	10234	9115
1.Used IW-2	|			242	229	164	279	133	121	201	154
2.Used IW-3	|				67	62	55	43	64	41	80
3.Used IW-4	|					18	38	22	21	17	32
4.Used IW-5	|						15	16	8	8	23
5.Used IW-6	|							13		5	6
6.Used IW-7	|								4		5
7.Used IW-8	|									1	
8.Used IW-9	|										2
9.Used IW-10	|										

Value		w11	w12	w13
.P=No prv IW	|	313	167	2517
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Used IW-1	|	11938	10612	9080
1.Used IW-2	|	145	175	149
2.Used IW-3	|	44	36	24
3.Used IW-4	|	33	12	5
4.Used IW-5	|	11	9	1
5.Used IW-6	|	2		2
6.Used IW-7	|		1	1
7.Used IW-8	|			
8.Used IW-9	|			
9.Used IW-10	|	2		

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" earlier in this document.

RwHIBPS, RwDIABS, RwCANCERS, RwLUNGS, RwHEARTS, RwSTROKS, RwPSYCHS, and RwARTHRS indicate if the Respondent has reported the onset of a condition since the last interview to which s/he responded. They are set to "yes" only if the condition is new since last interview, that is, the Respondent reported not having the condition at the last interview but says s/he has it now.

RwCONDS is the count of the new individual conditions. RwCONDSM counts the number of missing values among the individual conditions, and RwCONDSF counts the number of values that were changed due to disputes. RwCONDSP tells which prior interview was used.

SwHIBPS, SwDIABS, SwCANCERS, SwLUNGS, SwHEARTS, SwSTROKS, SwPSYCHS, SwARTHRS, SwCONDS, SwCONDSP, SwCONDSM, and SwCONDSF are this information for the Respondent's spouse or partner.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwCONDSP indicates if there are any missed interviews prior to the current, and if so, how many. In other words, it indicates how far back the previous interview is, from which the change is measured. Its codes are: 0) did not miss the previous interview; change = current - [current-1]; 1) missed the previous interview, but only one; change = current - [current-2]; 2) missed the two previous interviews; change = current - [current-3]; 3) missed the three previous interviews; change = current - [current-4]; 4) missed the four previous interviews; change = current - [current-5]; 5) missed the five previous interviews; change = current - [current-6]; 9) either the current or previous interview measure is missing, so change is missing.

Please see the section on "Doctor-diagnosed Conditions" earlier in this section for a description of related "ever had" variables, the raw HRS variables, and cross-wave differences.

The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3CONDS is taken from the Wave 3 spouse's R3CONDS.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data.

Change in Health: Memory-related disease

Wave	Variable	Label	Type
5	R5MEMRYS	R5MEMRYS:W5 R had memory prob snce last IW	Categ
6	R6MEMRYS	R6MEMRYS:W6 R had memory prob snce last IW	Categ
7	R7MEMRYS	R7MEMRYS:W7 R had memory prob snce last IW	Categ
8	R8MEMRYS	R8MEMRYS:W8 R had memory prob snce last IW	Categ
9	R9MEMRYS	R9MEMRYS:W9 R had memory prob snce last IW	Categ
5	S5MEMRYS	S5MEMRYS:W5 S had memory prob snce last IW	Categ
6	S6MEMRYS	S6MEMRYS:W6 S had memory prob snce last IW	Categ
7	S7MEMRYS	S7MEMRYS:W7 S had memory prob snce last IW	Categ
8	S8MEMRYS	S8MEMRYS:W8 S had memory prob snce last IW	Categ
9	S9MEMRYS	S9MEMRYS:W9 S had memory prob snce last IW	Categ
11	R11ALZHES	R11ALZHES:W11 R had Alzheimer onset snce last IW	Categ
12	R12ALZHES	R12ALZHES:W12 R had Alzheimer onset snce last IW	Categ
13	R13ALZHES	R13ALZHES:W13 R had Alzheimer onset snce last IW	Categ
11	S11ALZHES	S11ALZHES:W11 S had Alzheimer onset snce last IW	Categ
12	S12ALZHES	S12ALZHES:W12 S had Alzheimer onset snce last IW	Categ
13	S13ALZHES	S13ALZHES:W13 S had Alzheimer onset snce last IW	Categ
11	R11DEMENS	R11DEMENS:W11 R had dementia onset snce last IW	Categ
12	R12DEMENS	R12DEMENS:W12 R had dementia onset snce last IW	Categ
13	R13DEMENS	R13DEMENS:W13 R had dementia onset snce last IW	Categ
11	S11DEMENS	S11DEMENS:W11 S had dementia onset snce last IW	Categ
12	S12DEMENS	S12DEMENS:W12 S had dementia onset snce last IW	Categ
13	S13DEMENS	S13DEMENS:W13 S had dementia onset snce last IW	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5MEMRYS	18845	0.02	0.13	0.0	1.0
R6MEMRYS	17693	0.02	0.14	0.0	1.0
R7MEMRYS	16552	0.02	0.15	0.0	1.0
R8MEMRYS	18211	0.02	0.13	0.0	1.0
R9MEMRYS	13107	0.06	0.24	0.0	1.0
S5MEMRYS	12232	0.01	0.11	0.0	1.0
S6MEMRYS	11315	0.01	0.11	0.0	1.0
S7MEMRYS	10432	0.01	0.12	0.0	1.0
S8MEMRYS	11516	0.01	0.12	0.0	1.0
S9MEMRYS	7804	0.04	0.20	0.0	1.0
R11ALZHES	19710	0.01	0.08	0.0	1.0
R12ALZHES	18374	0.01	0.08	0.0	1.0
R13ALZHES	16271	0.01	0.09	0.0	1.0
S11ALZHES	11910	0.00	0.06	0.0	1.0
S12ALZHES	10764	0.00	0.07	0.0	1.0
S13ALZHES	9229	0.01	0.07	0.0	1.0
R11DEMENS	19409	0.01	0.10	0.0	1.0
R12DEMENS	18095	0.01	0.11	0.0	1.0
R13DEMENS	16051	0.01	0.12	0.0	1.0

S11DEMENS	11802	0.01	0.08	0.0	1.0
S12DEMENS	10674	0.01	0.09	0.0	1.0
S13DEMENS	9160	0.01	0.10	0.0	1.0

Categorical Variable Codes

RwMEMRYS: R had memory prob snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					6	11	13	14	12	
.M=Oth missing								1	4	
.P=No prev IW					727	460	3563	239	4092	
.R=RF						1	1	4	2	
0.No					18518	17355	16177	17873	12309	
1.Yes					327	338	375	338	798	

Value	w11	w12	w13
.D=DK/NA			
.M=Oth missing			
.P=No prev IW			
.R=RF			
0.No			
1.Yes			

SwMEMRYS: S had memory prob snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA					5	3	4	6	3	
.M=Oth missing									2	
.P=No prev IW					493	320	2536	211	2836	
.R=RF						1		2	1	
.U=Unmarried					6537	6306	6777	6417	6206	
.V=Spouse NR					311	220	380	317	365	
0.No					12089	11181	10279	11357	7482	
1.Yes					143	134	153	159	322	

Value	w11	w12	w13
.D=DK/NA			
.M=Oth missing			
.P=No prev IW			
.R=RF			
.U=Unmarried			
.V=Spouse NR			
0.No			
1.Yes			

 RwALZHES: R had Alzheimer onset snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.M=Oth missing										
.P=No prev IW										
.R=RF										
0.No										
1.Yes										

Value	w11	w12	w13
.D=DK/NA	10	14	10
.M=Oth missing	422	164	65
.P=No prev IW	410	193	4564
.R=RF	2	2	2
0.No	19580	18255	16138
1.Yes	130	119	133

 SwALZHES: S had Alzheimer onset snce last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.M=Oth missing										
.P=No prev IW										
.R=RF										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13
.D=DK/NA	3	4	5
.M=Oth missing	218	73	24
.P=No prev IW	357	170	2520
.R=RF		1	1
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	11862	10718	9179
1.Yes	48	46	50

RwDEMENS: R had dementia onset since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.M=Oth missing										
.P=No prev IW										
.R=RF										
0.No										
1.Yes										

Value	w11	w12	w13
.D=DK/NA	12	23	17
.M=Oth missing	717	433	278
.P=No prev IW	410	193	4564
.R=RF	6	3	2
0.No	19196	17885	15816
1.Yes	213	210	235

SwDEMENS: S had dementia onset since last IW

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA										
.M=Oth missing										
.P=No prev IW										
.R=RF										
.U=Unmarried										
.V=Spouse NR										
0.No										
1.Yes										

Value	w11	w12	w13
.D=DK/NA	3	7	6
.M=Oth missing	325	160	91
.P=No prev IW	357	170	2520
.R=RF	1	1	2
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	11719	10588	9071
1.Yes	83	86	89

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If the Respondent missed an interview due to non-response, the change is between the current and the last interview that the Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" earlier in this document.

In Wave 10, the health questionnaire changed. Respondents are now asked if they have ever been told they have Alzheimer's

disease or dementia rather than memory-related disease as in previous waves.

RwMEMRYS indicates if the Respondent has reported the onset of a memory-related disease since the last interview to which s/he responded. RwALZHES indicates if the Respondent has reported the onset of a Alzheimer's disease since the last interview to which s/he responded. RwDEMENS indicates if the Respondent has reported the onset of dementia since the last interview to which s/he responded. The variables are set to "yes" only if the condition is new since last interview, that is, the Respondent reported not having the condition at the last interview but says s/he has it now.

RwMEMRYS, RwALZHES, and RwDEMENS are included with the Change in Health variables along with those for other doctor-diagnosed health conditions, but is NOT included in the sum of those, i.e., RwCONDS. The question about memory-related disease is first asked in Wave 4, so RwMEMRYS begins in Wave 5. The questions about Alzheimer's and dementia begin in Wave 10, so RwALZHES and RwDEMENS begin in Wave 11.

SwMEMRYS, SwALZHES, and SwDEMENS are the information for the Respondent's spouse. It is taken from the Wave "w" spouse's self-reported information, e.g., S5MEMRYS is taken from the Wave 5 spouse's R5MEMRYS.

Please see the section on "Doctor-diagnosed Conditions: Memory-related disease" earlier in this section for a description of related "ever had" variables, the raw HRS variables, and cross-wave differences.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive this change-in-health variable for a description of cross-wave differences in the raw HRS data.

Imputed Cognition: Number Series Score

Wave	Variable	Label	Type
10	R10NSSCRE	R10NSSCRE:W10 R Calculated number series score	Cont
11	R11NSSCRE	R11NSSCRE:W11 R Calculated number series score	Cont
13	R13NSSCRE	R13NSSCRE:W13 R Calculated number series score	Cont
10	S10NSSCRE	S10NSSCRE:W10 S Calculated number series score	Cont
11	S11NSSCRE	S11NSSCRE:W11 S Calculated number series score	Cont
13	S13NSSCRE	S13NSSCRE:W13 S Calculated number series score	Cont
10	R10NSSCSE	R10NSSCSE:W10 R Calculated number series score-SE	Cont
11	R11NSSCSE	R11NSSCSE:W11 R Calculated number series score-SE	Cont
13	R13NSSCSE	R13NSSCSE:W13 R Calculated number series score-SE	Cont
10	S10NSSCSE	S10NSSCSE:W10 S Calculated number series score-SE	Cont
11	S11NSSCSE	S11NSSCSE:W11 S Calculated number series score-SE	Cont
13	S13NSSCSE	S13NSSCSE:W13 S Calculated number series score-SE	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R10NSSCRE	19098	494.04	44.24	390.2	579.6
R11NSSCRE	16833	519.56	32.84	409.0	584.0
R13NSSCRE	17845	520.83	31.75	409.0	584.0
S10NSSCRE	11904	499.01	43.02	390.2	579.6
S11NSSCRE	10639	523.30	31.64	409.0	584.0
S13NSSCRE	10305	524.46	30.71	409.0	584.0
R10NSSCSE	19098	14.52	7.70	7.8	38.2
R11NSSCSE	16833	11.33	2.66	9.0	19.0
R13NSSCSE	17845	11.27	2.57	9.0	19.0
S10NSSCSE	11904	14.13	7.42	7.8	38.2
S11NSSCSE	10639	11.28	2.62	9.0	19.0
S13NSSCSE	10305	11.22	2.54	9.0	19.0

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

From the HRS documentation: "Number Series measures quantitative reasoning, a specific type of fluid cognitive ability or fluid intelligence. Quantitative reasoning ability involves reasoning with concepts that depend upon mathematical relationships. The number series task requires the Respondent to look at a series of numbers with a number missing from the series. The Respondent must

determine the numerical pattern, and then provide the missing number in the series.

The HRS Number Series task is a 6-item block-adaptive test. "Block-adaptive" refers to the skip pattern among the items during test administration. The Number Series is based on two lists of 15 items. The 15 items are grouped into five sets or "blocks" of three items, grouped by item difficulty level. Item difficulty level refers to the probability that a Respondent will answer the item correctly. All Respondents are asked the same first three items, which consist of an easier item, a moderately difficult item, and a more difficult item. Based on the number of items answered correctly in the first block of three items, Respondents are then asked one of 4 remaining sets of three items: the easiest set, a somewhat easy set, a more difficult set, or a most difficult set. A score for the second set is then calculated.

The total score, RwnSSCRE, is a calculated score that takes into account which blocks of items were asked (i.e., the difficulty level of the items presented in terms of the probability that a Respondent will answer correctly) and the number of items answered correctly in each block. This calculated score is a standardized score called a W-score, comparable to the W-scores in the Woodcock-Johnson III (WJIII) test battery on which this task was based. The W-score metric was developed by scaling to a mean of 500 in the WJIII norming sample. Higher scores indicate better performance on the number series task. RwnSSCSE is the standard error of the number series score. The value indicates the measurement precision of the total score."

These variables are only available in Waves 10, 11, and 13. RwnSSCRE is taken directly from the HRS variables MNSSCORE and NNSSCORE, and RwnSSCSE is taken directly from the HRS variables MNSSCORESE and NNSSCORESE.

Imputed Cognition: Status and Flags

Wave	Variable	Label	Type
1	R1STATUS	R1STATUS:W1 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
2	R2STATUS	R2STATUS:W2 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
3	R3STATUS	R3STATUS:W3 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
4	R4STATUS	R4STATUS:W4 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
5	R5STATUS	R5STATUS:W5 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
6	R6STATUS	R6STATUS:W6 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
7	R7STATUS	R7STATUS:W7 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
8	R8STATUS	R8STATUS:W8 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
9	R9STATUS	R9STATUS:W9 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
10	R10STATUS	R10STATUS:W10 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
11	R11STATUS	R11STATUS:W11 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
12	R12STATUS	R12STATUS:W12 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
13	R13STATUS	R13STATUS:W13 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
1	S1STATUS	S1STATUS:W1 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
2	S2STATUS	S2STATUS:W2 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
3	S3STATUS	S3STATUS:W3 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
4	S4STATUS	S4STATUS:W4 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
5	S5STATUS	S5STATUS:W5 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
6	S6STATUS	S6STATUS:W6 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
7	S7STATUS	S7STATUS:W7 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
8	S8STATUS	S8STATUS:W8 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
9	S9STATUS	S9STATUS:W9 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
10	S10STATUS	S10STATUS:W10 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
11	S11STATUS	S11STATUS:W11 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
12	S12STATUS	S12STATUS:W12 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
13	S13STATUS	S13STATUS:W13 STATUS:IMPUTATION ELIGIBILITY STATUS	Categ
2	R2FLAG	R2FLAG: 93 AHEAD OR 94 HRS	Categ
3	R3FLAG	R3FLAG: 95 AHEAD OR 96 HRS	Categ
2	S2FLAG	S2FLAG: 93 AHEAD OR 94 HRS	Categ
3	S3FLAG	S3FLAG: 95 AHEAD OR 96 HRS	Categ
4	R4NOTICS	R4NOTICS:W4 NOT ASKED TICS ITEMS	Categ
5	R5NOTICS	R5NOTICS:W5 NOT ASKED TICS ITEMS	Categ
6	R6NOTICS	R6NOTICS:W6 NOT ASKED TICS ITEMS	Categ
7	R7NOTICS	R7NOTICS:W7 NOT ASKED TICS ITEMS	Categ
8	R8NOTICS	R8NOTICS:W8 NOT ASKED TICS ITEMS	Categ
9	R9NOTICS	R9NOTICS:W9 NOT ASKED TICS ITEMS	Categ
10	R10NOTICS	R10NOTICS:W10 NOT ASKED TICS ITEMS	Categ
11	R11NOTICS	R11NOTICS:W11 NOT ASKED TICS ITEMS	Categ
12	R12NOTICS	R12NOTICS:W12 NOT ASKED TICS ITEMS	Categ
13	R13NOTICS	R13NOTICS:W13 NOT ASKED TICS ITEMS	Categ
4	S4NOTICS	S4NOTICS:W4 NOT ASKED TICS ITEMS	Categ
5	S5NOTICS	S5NOTICS:W5 NOT ASKED TICS ITEMS	Categ
6	S6NOTICS	S6NOTICS:W6 NOT ASKED TICS ITEMS	Categ
7	S7NOTICS	S7NOTICS:W7 NOT ASKED TICS ITEMS	Categ
8	S8NOTICS	S8NOTICS:W8 NOT ASKED TICS ITEMS	Categ
9	S9NOTICS	S9NOTICS:W9 NOT ASKED TICS ITEMS	Categ
10	S10NOTICS	S10NOTICS:W10 NOT ASKED TICS ITEMS	Categ
11	S11NOTICS	S11NOTICS:W11 NOT ASKED TICS ITEMS	Categ
12	S12NOTICS	S12NOTICS:W12 NOT ASKED TICS ITEMS	Categ
13	S13NOTICS	S13NOTICS:W13 NOT ASKED TICS ITEMS	Categ
7	R7NOVOC	R7NOVOC:W7 NOT ASKED VOCABULARY	Categ
8	R8NOVOC	R8NOVOC:W8 NOT ASKED VOCABULARY	Categ
9	R9NOVOC	R9NOVOC:W9 NOT ASKED VOCABULARY	Categ
10	R10NOVOC	R10NOVOC:W10 NOT ASKED VOCABULARY	Categ
11	R11NOVOC	R11NOVOC:W11 NOT ASKED VOCABULARY	Categ
12	R12NOVOC	R12NOVOC:W12 NOT ASKED VOCABULARY	Categ
13	R13NOVOC	R13NOVOC:W13 NOT ASKED VOCABULARY	Categ
7	S7NOVOC	S7NOVOC:W7 NOT ASKED VOCABULARY	Categ
8	S8NOVOC	S8NOVOC:W8 NOT ASKED VOCABULARY	Categ

9	S9NOVOC	S9NOVOC:W9 NOT ASKED VOCABULARY	Categ
10	S10NOVOC	S10NOVOC:W10 NOT ASKED VOCABULARY	Categ
11	S11NOVOC	S11NOVOC:W11 NOT ASKED VOCABULARY	Categ
12	S12NOVOC	S12NOVOC:W12 NOT ASKED VOCABULARY	Categ
13	S13NOVOC	S13NOVOC:W13 NOT ASKED VOCABULARY	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1STATUS	40578	2.40	0.91	1.0	3.0
R2STATUS	40682	2.09	0.99	1.0	3.0
R3STATUS	40682	2.17	0.97	1.0	3.0
R4STATUS	40682	2.01	0.98	1.0	3.0
R5STATUS	40682	2.10	0.97	1.0	3.0
R6STATUS	40682	2.16	0.96	1.0	3.0
R7STATUS	40682	2.06	0.98	1.0	3.0
R8STATUS	40682	2.13	0.98	1.0	3.0
R9STATUS	40682	2.19	0.97	1.0	3.0
R10STATUS	40682	1.95	0.98	1.0	3.0
R11STATUS	40682	2.02	0.99	1.0	4.0
R12STATUS	40682	2.11	0.98	1.0	3.0
R13STATUS	40682	2.00	0.99	1.0	3.0
S1STATUS	9727	1.08	0.33	1.0	3.0
S2STATUS	12962	1.11	0.38	1.0	3.0
S3STATUS	11874	1.12	0.39	1.0	3.0
S4STATUS	14052	1.13	0.41	1.0	3.0
S5STATUS	12706	1.13	0.38	1.0	3.0
S6STATUS	11616	1.13	0.38	1.0	3.0
S7STATUS	13042	1.12	0.38	1.0	3.0
S8STATUS	11832	1.10	0.36	1.0	3.0
S9STATUS	10810	1.10	0.38	1.0	3.0
S10STATUS	13813	1.11	0.41	1.0	3.0
S11STATUS	12765	1.10	0.40	1.0	4.0
S12STATUS	11336	1.12	0.43	1.0	3.0
S13STATUS	12147	1.12	0.43	1.0	3.0
R2FLAG	18073	93.59	0.49	93.0	94.0
R3FLAG	16351	95.63	0.48	95.0	96.0
S2FLAG	11937	93.68	0.47	93.0	94.0
S3FLAG	10806	95.71	0.46	95.0	96.0
R4NOTICS	21384	0.33	0.47	0.0	1.0
R5NOTICS	19578	0.41	0.49	0.0	1.0
R6NOTICS	18166	0.36	0.48	0.0	1.0
R7NOTICS	20129	0.26	0.44	0.0	1.0
R8NOTICS	18469	0.36	0.48	0.0	1.0
R9NOTICS	17217	0.32	0.47	0.0	1.0
R10NOTICS	22034	0.21	0.41	0.0	1.0
R11NOTICS	20554	0.45	0.50	0.0	1.0
R12NOTICS	18747	0.43	0.49	0.0	1.0
R13NOTICS	20912	0.30	0.46	0.0	1.0
S4NOTICS	13980	0.36	0.48	0.0	1.0
S5NOTICS	12730	0.46	0.50	0.0	1.0

S6NOTICS	11639	0.41	0.49	0.0	1.0
S7NOTICS	12972	0.30	0.46	0.0	1.0
S8NOTICS	11735	0.42	0.49	0.0	1.0
S9NOTICS	10646	0.37	0.48	0.0	1.0
S10NOTICS	13513	0.24	0.43	0.0	1.0
S11NOTICS	12488	0.47	0.50	0.0	1.0
S12NOTICS	11012	0.46	0.50	0.0	1.0
S13NOTICS	11779	0.34	0.47	0.0	1.0
R7NOVOC	20129	0.75	0.43	0.0	1.0
R8NOVOC	18469	0.36	0.48	0.0	1.0
R9NOVOC	17217	0.93	0.26	0.0	1.0
R10NOVOC	22034	0.21	0.41	0.0	1.0
R11NOVOC	20554	0.92	0.27	0.0	1.0
R12NOVOC	18747	0.94	0.25	0.0	1.0
R13NOVOC	20912	0.74	0.44	0.0	1.0
S7NOVOC	12972	0.73	0.44	0.0	1.0
S8NOVOC	11735	0.42	0.49	0.0	1.0
S9NOVOC	10646	0.93	0.26	0.0	1.0
S10NOVOC	13513	0.24	0.43	0.0	1.0
S11NOVOC	12488	0.92	0.28	0.0	1.0
S12NOVOC	11012	0.93	0.25	0.0	1.0
S13NOVOC	11779	0.75	0.44	0.0	1.0

Categorical Variable Codes

RwSTATUS: STATUS:IMPUTATION ELIGIBILITY STATUS

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Hrs-Ahd overlap	|	124	17	17	17	17	17	17	17	17	17
.X=NR or Proxy all IW	|	1350	1353	1353	1353	1353	1353	1353	1353	1353	1353
1.Cog meas	|	11883	18073	16351	19341	17516	16129	18327	17209	16077	20652
2.Proxy IW	|	397	788	1095	1564	1712	1766	1554	1091	987	1214
3.Non-resp	|	28298	21821	23236	19777	21454	22787	20801	22382	23618	18816
4.Self IW, No cog meas	|										

Value	|	w11	w12	w13
.C=Hrs-Ahd overlap	|	17	17	17
.X=NR or Proxy all IW	|	1353	1353	1353
1.Cog meas	|	19407	17698	19971
2.Proxy IW	|	985	919	784
3.Non-resp	|	20289	22065	19927
4.Self IW, No cog meas	|	1		

SwSTATUS: STATUS:IMPUTATION ELIGIBILITY STATUS

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Hrs-Ahd overlap	|	121	1								
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.X=NR or Proxy all IW	|	431	711	460	464	335	243	310	220	201	422
1.Cog meas	|	9166	11937	10806	12573	11320	10280	11769	10943	9989	12696
2.Proxy IW	|	379	683	770	1088	1154	1168	1009	652	539	674
3.Non-resp	|	182	342	298	391	232	168	264	237	282	443
4.Self IW, No cog meas	|										

Value		w11	w12	w13
.C=Hrs-Ahd overlap	|			
.U=Unmarried	|	7474	7125	8024
.X=NR or Proxy all IW	|	315	286	741
1.Cog meas	|	11838	10423	11253
2.Proxy IW	|	515	480	380
3.Non-resp	|	411	433	514
4.Self IW, No cog meas	|	1		

RwFLAG: AHEAD OR 96 HRS

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW	|		788	1095							
.X=NR or Proxy all IW	|		781	545							
93.Ahead W2	|		7382								
94.HRS W2	|		10691								
95.Ahead W3	|			6126							
96.HRS W3	|			10225							

Value		w11	w12	w13
.S=Proxy IW	|			
.X=NR or Proxy all IW	|			
93.Ahead W2	|			
94.HRS W2	|			
95.Ahead W3	|			
96.HRS W3	|			

SwFLAG: AHEAD OR 96 HRS

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW	|		683	770							
.U=Unmarried	|		5968	5657							
.V=Spouse NR	|		584	417							
.X=NR or Proxy all IW	|		470	341							
93.Ahead W2	|		3866								
94.HRS W2	|		8071								
95.Ahead W3	|			3183							
96.HRS W3	|			7623							

Value		w11	w12	w13
.S=Proxy IW	|			
.U=Unmarried	|			
.V=Spouse NR	|			
.X=NR or Proxy all IW	|			
93.Ahead W2	|			
94.HRS W2	|			
95.Ahead W3	|			
96.HRS W3	|			

RwNOTICS: NOT ASKED TICS ITEMS

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Asked	|				14373	11565	11647	14885	11777	11658	17413
1.Not asked	|				7011	8013	6519	5244	6692	5559	4621

Value		w11	w12	w13
0.Asked	|	11397	10741	14641
1.Not asked	|	9157	8006	6271

SwNOTICS: NOT ASKED TICS ITEMS

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|				6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|				536	311	220	380	317	365	722
0.Asked	|				8888	6834	6858	9138	6863	6696	10294
1.Not asked	|				5092	5896	4781	3834	4872	3950	3219

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Asked	|	6573	5931	7819
1.Not asked	|	5915	5081	3960

RwNOVOC: NOT ASKED VOCABULARY

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Asked	|							5063	11777	1264	17413
1.Not asked	|							15066	6692	15953	4621

Value		w11	w12	w13
0.Asked	|	1610	1217	5445
1.Not asked	|	18944	17530	15467

SwNOVOC: NOT ASKED VOCABULARY

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|							6777	6417	6206	7799
.V=Spouse NR	|							380	317	365	722
0.Asked	|							3481	6863	779	10294
1.Not asked	|							9491	4872	9867	3219

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Asked	|	1046	746	2988
1.Not asked	|	11442	10266	8791

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

These variables indicate whether and/or which cognitive functioning measures are provided. RwSTATUS indicates the overall status; RwFLAG indicates the interview year that applies for Waves 2-3; RwNOTICS flags cases not asked the TICS questions from Wave 4 forward; and RwNOVOC flags cases not asked the vocabulary questions from Wave 7 forward.

RwSTATUS has a value of "1" if cognition measures are provided, "2" if they are not because the interview was by proxy, and "3" if they are not because the Respondent did not respond. Special missings have been assigned when the Respondent did not appear in the imputation file from HRS, as follows: .X if there is no non-proxy interview across all waves, and .C if missing because the Respondent is an HRS-AHEAD overlap case. Except for Wave 1, a .C in RwSTATUS indicates HRS-AHEAD overlap cases that had a non-proxy interview in Wave 1, but never responded in AHEAD.

In Wave 1, HRS-AHEAD overlap cases are treated as non-responders in that wave in the imputation file. For these cases, if there is no non-proxy interview including Wave 1, we set R1STATUS to .X. Otherwise, R1STATUS is set to .C.

R2FLAG has values of 93 or 94, and R3FLAG has values of 95 or 96. These indicate the interview years that were used to

derive the measures. 93/95 include members of the AHEAD cohort, while 94/96 include members of the HRS cohort.

From Wave 4 forward, Respondents 65 and older who had a prior interview skipped the date, object, and President/Vice-president naming and vocabulary tasks. RwNOTICS is set to "1" if the Respondent skipped these tasks based on age and re-interview status, and "0" if the Respondent was asked to perform them.

From Wave 7 forward, the vocabulary questions appear to be asked in alternate years. They are not asked in Wave 7. RwNOVOC is set to "1" if the Respondent skipped the vocabulary questions based on age, re-interview status, and alternate year settings, and "0" if the Respondent was asked to perform the vocabulary task.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The SwSTATUS, SwFLAG, SwNOTICS, and SwNOVOC variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable names RwNOTICS and RwNOVOC have been shortened from RwNOTASKTICS and RwNOTASKVOC in the original HRS imputation file to conform to the current 8-character limit.

Imputed Cognition: Self-reported Memory

Wave	Variable	Label	Type
1	R1SLFMEM	R1SLFMEM: W1 SELF RATED MEMORY	Categ
2	R2SLFMEM	R2SLFMEM: W2 SELF RATED MEMORY	Categ
3	R3SLFMEM	R3SLFMEM: W3 SELF RATED MEMORY	Categ
4	R4SLFMEM	R4SLFMEM: W4 SELF RATED MEMORY	Categ
5	R5SLFMEM	R5SLFMEM: W5 SELF RATED MEMORY	Categ
6	R6SLFMEM	R6SLFMEM: W6 SELF RATED MEMORY	Categ
7	R7SLFMEM	R7SLFMEM: W7 SELF RATED MEMORY	Categ
8	R8SLFMEM	R8SLFMEM: W8 SELF RATED MEMORY	Categ
9	R9SLFMEM	R9SLFMEM: W9 SELF RATED MEMORY	Categ
10	R10SLFMEM	R10SLFMEM: W10 SELF RATED MEMORY	Categ
11	R11SLFMEM	R11SLFMEM: W11 SELF RATED MEMORY	Categ
12	R12SLFMEM	R12SLFMEM: W12 SELF RATED MEMORY	Categ
13	R13SLFMEM	R13SLFMEM: W13 SELF RATED MEMORY	Categ
1	S1SLFMEM	S1SLFMEM: W1 SELF RATED MEMORY	Categ
2	S2SLFMEM	S2SLFMEM: W2 SELF RATED MEMORY	Categ
3	S3SLFMEM	S3SLFMEM: W3 SELF RATED MEMORY	Categ
4	S4SLFMEM	S4SLFMEM: W4 SELF RATED MEMORY	Categ
5	S5SLFMEM	S5SLFMEM: W5 SELF RATED MEMORY	Categ
6	S6SLFMEM	S6SLFMEM: W6 SELF RATED MEMORY	Categ
7	S7SLFMEM	S7SLFMEM: W7 SELF RATED MEMORY	Categ
8	S8SLFMEM	S8SLFMEM: W8 SELF RATED MEMORY	Categ
9	S9SLFMEM	S9SLFMEM: W9 SELF RATED MEMORY	Categ
10	S10SLFMEM	S10SLFMEM: W10 SELF RATED MEMORY	Categ
11	S11SLFMEM	S11SLFMEM: W11 SELF RATED MEMORY	Categ
12	S12SLFMEM	S12SLFMEM: W12 SELF RATED MEMORY	Categ
13	S13SLFMEM	S13SLFMEM: W13 SELF RATED MEMORY	Categ
1	R1FSLFME	R1FSLFME:W1 IMPFLAG: SELF RATED MEMORY	Categ
2	R2FSLFME	R2FSLFME:W2 IMPFLAG: SELF RATED MEMORY	Categ
3	R3FSLFME	R3FSLFME:W3 IMPFLAG: SELF RATED MEMORY	Categ
4	R4FSLFME	R4FSLFME:W4 IMPFLAG: SELF RATED MEMORY	Categ
5	R5FSLFME	R5FSLFME:W5 IMPFLAG: SELF RATED MEMORY	Categ
6	R6FSLFME	R6FSLFME:W6 IMPFLAG: SELF RATED MEMORY	Categ
7	R7FSLFME	R7FSLFME:W7 IMPFLAG: SELF RATED MEMORY	Categ
8	R8FSLFME	R8FSLFME:W8 IMPFLAG: SELF RATED MEMORY	Categ
9	R9FSLFME	R9FSLFME:W9 IMPFLAG: SELF RATED MEMORY	Categ
10	R10FSLFME	R10FSLFME:W10 IMPFLAG: SELF RATED MEMORY	Categ
11	R11FSLFME	R11FSLFME:W11 IMPFLAG: SELF RATED MEMORY	Categ
12	R12FSLFME	R12FSLFME:W12 IMPFLAG: SELF RATED MEMORY	Categ
13	R13FSLFME	R13FSLFME:W13 IMPFLAG: SELF RATED MEMORY	Categ
1	S1FSLFME	S1FSLFME:W1 IMPFLAG: SELF RATED MEMORY	Categ
2	S2FSLFME	S2FSLFME:W2 IMPFLAG: SELF RATED MEMORY	Categ
3	S3FSLFME	S3FSLFME:W3 IMPFLAG: SELF RATED MEMORY	Categ
4	S4FSLFME	S4FSLFME:W4 IMPFLAG: SELF RATED MEMORY	Categ
5	S5FSLFME	S5FSLFME:W5 IMPFLAG: SELF RATED MEMORY	Categ
6	S6FSLFME	S6FSLFME:W6 IMPFLAG: SELF RATED MEMORY	Categ
7	S7FSLFME	S7FSLFME:W7 IMPFLAG: SELF RATED MEMORY	Categ
8	S8FSLFME	S8FSLFME:W8 IMPFLAG: SELF RATED MEMORY	Categ
9	S9FSLFME	S9FSLFME:W9 IMPFLAG: SELF RATED MEMORY	Categ
10	S10FSLFME	S10FSLFME:W10 IMPFLAG: SELF RATED MEMORY	Categ
11	S11FSLFME	S11FSLFME:W11 IMPFLAG: SELF RATED MEMORY	Categ
12	S12FSLFME	S12FSLFME:W12 IMPFLAG: SELF RATED MEMORY	Categ
13	S13FSLFME	S13FSLFME:W13 IMPFLAG: SELF RATED MEMORY	Categ
1	R1PSTMEM	R1PSTMEM: W1 MEMORY COMPARED TO PAST	Categ
2	R2PSTMEM	R2PSTMEM: W2 MEMORY COMPARED TO PAST	Categ
3	R3PSTMEM	R3PSTMEM: W3 MEMORY COMPARED TO PAST	Categ
4	R4PSTMEM	R4PSTMEM: W4 MEMORY COMPARED TO PAST	Categ
5	R5PSTMEM	R5PSTMEM: W5 MEMORY COMPARED TO PAST	Categ
6	R6PSTMEM	R6PSTMEM: W6 MEMORY COMPARED TO PAST	Categ
7	R7PSTMEM	R7PSTMEM: W7 MEMORY COMPARED TO PAST	Categ
8	R8PSTMEM	R8PSTMEM: W8 MEMORY COMPARED TO PAST	Categ
9	R9PSTMEM	R9PSTMEM: W9 MEMORY COMPARED TO PAST	Categ
10	R10PSTMEM	R10PSTMEM: W10 MEMORY COMPARED TO PAST	Categ

11	R11PSTMEM	R11PSTMEM: W11 MEMORY COMPARED TO PAST	Categ
12	R12PSTMEM	R12PSTMEM: W12 MEMORY COMPARED TO PAST	Categ
13	R13PSTMEM	R13PSTMEM: W13 MEMORY COMPARED TO PAST	Categ
1	S1PSTMEM	S1PSTMEM: W1 MEMORY COMPARED TO PAST	Categ
2	S2PSTMEM	S2PSTMEM: W2 MEMORY COMPARED TO PAST	Categ
3	S3PSTMEM	S3PSTMEM: W3 MEMORY COMPARED TO PAST	Categ
4	S4PSTMEM	S4PSTMEM: W4 MEMORY COMPARED TO PAST	Categ
5	S5PSTMEM	S5PSTMEM: W5 MEMORY COMPARED TO PAST	Categ
6	S6PSTMEM	S6PSTMEM: W6 MEMORY COMPARED TO PAST	Categ
7	S7PSTMEM	S7PSTMEM: W7 MEMORY COMPARED TO PAST	Categ
8	S8PSTMEM	S8PSTMEM: W8 MEMORY COMPARED TO PAST	Categ
9	S9PSTMEM	S9PSTMEM: W9 MEMORY COMPARED TO PAST	Categ
10	S10PSTMEM	S10PSTMEM: W10 MEMORY COMPARED TO PAST	Categ
11	S11PSTMEM	S11PSTMEM: W11 MEMORY COMPARED TO PAST	Categ
12	S12PSTMEM	S12PSTMEM: W12 MEMORY COMPARED TO PAST	Categ
13	S13PSTMEM	S13PSTMEM: W13 MEMORY COMPARED TO PAST	Categ
1	R1FPSTME	R1FPSTME:W1 IMPFLAG: MEMORY COMPARED TO PAST	Categ
2	R2FPSTME	R2FPSTME:W2 IMPFLAG: MEMORY COMPARED TO PAST	Categ
3	R3FPSTME	R3FPSTME:W3 IMPFLAG: MEMORY COMPARED TO PAST	Categ
4	R4FPSTME	R4FPSTME:W4 IMPFLAG: MEMORY COMPARED TO PAST	Categ
5	R5FPSTME	R5FPSTME:W5 IMPFLAG: MEMORY COMPARED TO PAST	Categ
6	R6FPSTME	R6FPSTME:W6 IMPFLAG: MEMORY COMPARED TO PAST	Categ
7	R7FPSTME	R7FPSTME:W7 IMPFLAG: MEMORY COMPARED TO PAST	Categ
8	R8FPSTME	R8FPSTME:W8 IMPFLAG: MEMORY COMPARED TO PAST	Categ
9	R9FPSTME	R9FPSTME:W9 IMPFLAG: MEMORY COMPARED TO PAST	Categ
10	R10FPSTME	R10FPSTME:W10 IMPFLAG: MEMORY COMPARED TO PAST	Categ
11	R11FPSTME	R11FPSTME:W11 IMPFLAG: MEMORY COMPARED TO PAST	Categ
12	R12FPSTME	R12FPSTME:W12 IMPFLAG: MEMORY COMPARED TO PAST	Categ
13	R13FPSTME	R13FPSTME:W13 IMPFLAG: MEMORY COMPARED TO PAST	Categ
1	S1FPSTME	S1FPSTME:W1 IMPFLAG: MEMORY COMPARED TO PAST	Categ
2	S2FPSTME	S2FPSTME:W2 IMPFLAG: MEMORY COMPARED TO PAST	Categ
3	S3FPSTME	S3FPSTME:W3 IMPFLAG: MEMORY COMPARED TO PAST	Categ
4	S4FPSTME	S4FPSTME:W4 IMPFLAG: MEMORY COMPARED TO PAST	Categ
5	S5FPSTME	S5FPSTME:W5 IMPFLAG: MEMORY COMPARED TO PAST	Categ
6	S6FPSTME	S6FPSTME:W6 IMPFLAG: MEMORY COMPARED TO PAST	Categ
7	S7FPSTME	S7FPSTME:W7 IMPFLAG: MEMORY COMPARED TO PAST	Categ
8	S8FPSTME	S8FPSTME:W8 IMPFLAG: MEMORY COMPARED TO PAST	Categ
9	S9FPSTME	S9FPSTME:W9 IMPFLAG: MEMORY COMPARED TO PAST	Categ
10	S10FPSTME	S10FPSTME:W10 IMPFLAG: MEMORY COMPARED TO PAST	Categ
11	S11FPSTME	S11FPSTME:W11 IMPFLAG: MEMORY COMPARED TO PAST	Categ
12	S12FPSTME	S12FPSTME:W12 IMPFLAG: MEMORY COMPARED TO PAST	Categ
13	S13FPSTME	S13FPSTME:W13 IMPFLAG: MEMORY COMPARED TO PAST	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SLFMEM	11883	2.44	1.03	1.0	5.0
R2SLFMEM	18073	2.68	1.03	1.0	5.0
R3SLFMEM	16351	2.97	0.97	1.0	5.0
R4SLFMEM	19341	2.88	0.96	1.0	5.0
R5SLFMEM	17516	2.93	0.93	1.0	5.0
R6SLFMEM	16129	2.96	0.92	1.0	5.0
R7SLFMEM	18327	2.99	0.97	1.0	5.0
R8SLFMEM	17209	3.00	0.96	1.0	5.0
R9SLFMEM	16077	3.01	0.94	1.0	5.0
R10SLFMEM	20652	2.94	0.96	1.0	5.0
R11SLFMEM	19407	3.00	0.95	1.0	5.0
R12SLFMEM	17698	3.06	0.92	1.0	5.0
R13SLFMEM	19971	2.97	0.97	1.0	5.0
S1SLFMEM	9166	2.42	1.01	1.0	5.0

S2SLFMEM	11937	2.62	1.01	1.0	5.0
S3SLFMEM	10806	2.97	0.95	1.0	5.0
S4SLFMEM	12573	2.87	0.93	1.0	5.0
S5SLFMEM	11320	2.91	0.92	1.0	5.0
S6SLFMEM	10280	2.93	0.90	1.0	5.0
S7SLFMEM	11769	2.96	0.95	1.0	5.0
S8SLFMEM	10943	2.97	0.94	1.0	5.0
S9SLFMEM	9989	2.98	0.92	1.0	5.0
S10SLFMEM	12696	2.91	0.95	1.0	5.0
S11SLFMEM	11838	2.96	0.94	1.0	5.0
S12SLFMEM	10423	3.03	0.91	1.0	5.0
S13SLFMEM	11253	2.96	0.95	1.0	5.0
R1FSLFME	11883	0.01	0.08	0.0	1.0
R2FSLFME	18073	0.00	0.05	0.0	1.0
R3FSLFME	16351	0.00	0.03	0.0	1.0
R4FSLFME	19341	0.00	0.03	0.0	1.0
R5FSLFME	17516	0.00	0.04	0.0	1.0
R6FSLFME	16129	0.00	0.03	0.0	1.0
R7FSLFME	18327	0.00	0.06	0.0	1.0
R8FSLFME	17209	0.00	0.04	0.0	1.0
R9FSLFME	16077	0.00	0.03	0.0	1.0
R10FSLFME	20652	0.00	0.03	0.0	1.0
R11FSLFME	19407	0.00	0.03	0.0	1.0
R12FSLFME	17698	0.00	0.03	0.0	1.0
R13FSLFME	19971	0.00	0.03	0.0	1.0
S1FSLFME	9166	0.00	0.06	0.0	1.0
S2FSLFME	11937	0.00	0.04	0.0	1.0
S3FSLFME	10806	0.00	0.03	0.0	1.0
S4FSLFME	12573	0.00	0.03	0.0	1.0
S5FSLFME	11320	0.00	0.03	0.0	1.0
S6FSLFME	10280	0.00	0.03	0.0	1.0
S7FSLFME	11769	0.00	0.05	0.0	1.0
S8FSLFME	10943	0.00	0.03	0.0	1.0
S9FSLFME	9989	0.00	0.02	0.0	1.0
S10FSLFME	12696	0.00	0.03	0.0	1.0
S11FSLFME	11838	0.00	0.04	0.0	1.0
S12FSLFME	10423	0.00	0.02	0.0	1.0
S13FSLFME	11253	0.00	0.03	0.0	1.0
R1PSTMEM	11883	2.04	0.46	1.0	3.0
R2PSTMEM	18073	2.07	0.41	1.0	3.0
R3PSTMEM	16351	2.16	0.44	1.0	3.0
R4PSTMEM	19341	2.16	0.44	1.0	3.0
R5PSTMEM	17516	2.15	0.42	1.0	3.0
R6PSTMEM	16129	2.18	0.43	1.0	3.0
R7PSTMEM	18327	2.20	0.47	1.0	3.0
R8PSTMEM	17209	2.20	0.46	1.0	3.0
R9PSTMEM	16077	2.20	0.46	1.0	3.0
R10PSTMEM	20652	2.19	0.48	1.0	3.0
R11PSTMEM	19407	2.17	0.45	1.0	3.0
R12PSTMEM	17698	2.17	0.46	1.0	3.0
R13PSTMEM	19971	2.18	0.47	1.0	3.0
S1PSTMEM	9166	2.04	0.45	1.0	3.0
S2PSTMEM	11937	2.07	0.40	1.0	3.0
S3PSTMEM	10806	2.16	0.43	1.0	3.0
S4PSTMEM	12573	2.16	0.43	1.0	3.0

S5PSTMEM	11320	2.15	0.41	1.0	3.0
S6PSTMEM	10280	2.19	0.43	1.0	3.0
S7PSTMEM	11769	2.21	0.46	1.0	3.0
S8PSTMEM	10943	2.20	0.44	1.0	3.0
S9PSTMEM	9989	2.19	0.45	1.0	3.0
S10PSTMEM	12696	2.20	0.47	1.0	3.0
S11PSTMEM	11838	2.17	0.44	1.0	3.0
S12PSTMEM	10423	2.17	0.44	1.0	3.0
S13PSTMEM	11253	2.18	0.46	1.0	3.0
R1FPSTME	11883	0.01	0.07	0.0	1.0
R2FPSTME	18073	0.00	0.05	0.0	1.0
R3FPSTME	16351	0.00	0.03	0.0	1.0
R4FPSTME	19341	0.00	0.04	0.0	1.0
R5FPSTME	17516	0.00	0.04	0.0	1.0
R6FPSTME	16129	0.00	0.04	0.0	1.0
R7FPSTME	18327	0.00	0.06	0.0	1.0
R8FPSTME	17209	0.00	0.04	0.0	1.0
R9FPSTME	16077	0.00	0.05	0.0	1.0
R10FPSTME	20652	0.00	0.04	0.0	1.0
R11FPSTME	19407	0.00	0.04	0.0	1.0
R12FPSTME	17698	0.00	0.04	0.0	1.0
R13FPSTME	19971	0.00	0.04	0.0	1.0
S1FPSTME	9166	0.00	0.06	0.0	1.0
S2FPSTME	11937	0.00	0.04	0.0	1.0
S3FPSTME	10806	0.00	0.03	0.0	1.0
S4FPSTME	12573	0.00	0.03	0.0	1.0
S5FPSTME	11320	0.00	0.04	0.0	1.0
S6FPSTME	10280	0.00	0.05	0.0	1.0
S7FPSTME	11769	0.00	0.06	0.0	1.0
S8FPSTME	10943	0.00	0.04	0.0	1.0
S9FPSTME	9989	0.00	0.04	0.0	1.0
S10FPSTME	12696	0.00	0.04	0.0	1.0
S11FPSTME	11838	0.00	0.04	0.0	1.0
S12FPSTME	10423	0.00	0.03	0.0	1.0
S13FPSTME	11253	0.00	0.03	0.0	1.0

Categorical Variable Codes

RwSLFMEM: 3 SELF RATED MEMORY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	120									
.M=Oth missing										
.S=Proxy IW	397	788	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW	252	781	545	479	350	270	248	169	153	168
1.Excellent	2297	2430	1150	1514	1069	814	1170	991	833	1403
2.Very good	4265	5439	3671	4787	4224	3994	4241	3981	3718	5094
3.Good	3505	6456	6942	8336	7766	7059	7553	7186	6875	8511
4.Fair	1474	3025	3703	3911	3729	3556	4401	4139	3793	4681
5.Poor	342	723	885	793	728	706	962	912	858	963

Value	w11	w12	w13
.C=HRS-AHD overlap			
.M=Oth missing	1		
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
1.Excellent	1093	771	1300
2.Very good	4590	3850	4755
3.Good	8011	7516	8125
4.Fair	4740	4657	4821
5.Poor	973	904	970

SwSLFMEM: 3 SELF RATED MEMORY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	117									
.M=Oth missing										
.S=Proxy IW	379	683	770	1088	1154	1168	1009	652	539	674
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW	238	470	341	319	256	191	194	140	118	143
1.Excellent	1762	1668	699	925	690	529	746	636	496	830
2.Very good	3353	3828	2460	3182	2816	2594	2809	2600	2403	3268
3.Good	2721	4209	4688	5514	5057	4630	4930	4673	4376	5282
4.Fair	1094	1853	2420	2505	2343	2133	2739	2518	2253	2804
5.Poor	236	379	539	447	414	394	545	516	461	512

Value	w11	w12	w13
.C=HRS-AHD overlap			
.M=Oth missing	1		
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
1.Excellent	659	442	706
2.Very good	2921	2352	2728
3.Good	4984	4504	4667
4.Fair	2747	2653	2648
5.Poor	527	472	504

RwFSLFME: IMPFLAG: SELF RATED MEMORY

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	120									
.M=Oth missing	|										
.S=Proxy IW	|	397	788	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW	|	252	781	545	479	350	270	248	169	153	168
0.Not imputed	|	11813	18028	16336	19318	17492	16111	18267	17186	16063	20631
1.Imputed	|	70	45	15	23	24	18	60	23	14	21

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	985	919	784
.X=NR or Proxy all IW	|	161	130	157
0.Not imputed	|	19389	17681	19952
1.Imputed	|	18	17	19

SwFSLFME: IMPFLAG: SELF RATED MEMORY

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	117									
.M=Oth missing	|										
.S=Proxy IW	|	379	683	770	1088	1154	1168	1009	652	539	674
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW	|	238	470	341	319	256	191	194	140	118	143
0.Not imputed	|	9130	11920	10799	12561	11309	10269	11736	10934	9983	12682
1.Imputed	|	36	17	7	12	11	11	33	9	6	14

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	515	480	380
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=NR or Proxy all IW	|	134	109	146
0.Not imputed	|	11823	10419	11245
1.Imputed	|	15	4	8

RwPSTMEM: 3 MEMORY COMPARED TO PAST

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	120									
.M=Oth missing	|										
.S=Proxy IW	|	397	788	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW	|	252	781	545	479	350	270	248	169	153	168
1.Better	|	1064	928	486	542	421	306	546	404	427	749
2.Same	|	9314	14886	12796	15143	14001	12553	13503	12929	12042	15156
3.Worse	|	1505	2259	3069	3656	3094	3270	4278	3876	3608	4747

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	985	919	784
.X=NR or Proxy all IW	|	161	130	157
1.Better	|	658	590	789
2.Same	|	14870	13474	14858
3.Worse	|	3879	3634	4324

SwPSTMEM: 3 MEMORY COMPARED TO PAST

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	117									
.M=Oth missing	|										
.S=Proxy IW	|	379	683	770	1088	1154	1168	1009	652	539	674
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW	|	238	470	341	319	256	191	194	140	118	143
1.Better	|	720	572	245	310	247	165	288	218	228	376
2.Same	|	7327	9972	8563	9896	9132	8048	8755	8360	7612	9414
3.Worse	|	1119	1393	1998	2367	1941	2067	2726	2365	2149	2906

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	515	480	380
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=NR or Proxy all IW	|	134	109	146
1.Better	|	336	269	358
2.Same	|	9200	8078	8465
3.Worse	|	2302	2076	2430

RwFPSTME: IMPFLAG: MEMORY COMPARED TO PAST

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	120									
.M=Oth missing	|										
.S=Proxy IW	|	397	788	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW	|	252	781	545	479	350	270	248	169	153	168
0.Not imputed	|	11817	18032	16332	19311	17481	16101	18252	17176	16042	20612
1.Imputed	|	66	41	19	30	35	28	75	33	35	40

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	985	919	784
.X=NR or Proxy all IW	|	161	130	157
0.Not imputed	|	19374	17676	19938
1.Imputed	|	33	22	33

SwFPSTME: IMPFLAG: MEMORY COMPARED TO PAST

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	117									
.M=Oth missing	|										
.S=Proxy IW	|	379	683	770	1088	1154	1168	1009	652	539	674
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW	|	238	470	341	319	256	191	194	140	118	143
0.Not imputed	|	9133	11922	10797	12562	11301	10259	11727	10922	9974	12676
1.Imputed	|	33	15	9	11	19	21	42	21	15	20

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	515	480	380
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=NR or Proxy all IW	|	134	109	146
0.Not imputed	|	11822	10414	11241
1.Imputed	|	16	9	12

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwSLFMEM provides self-reported general rating of memory, and RwPSTMEM provides a self-reported measure of change in memory since the last interview or over the last two years.

RwSLFMEM ranges from 1 for excellent to 5 for poor memory. RwPSTMEM ranges from 1 for better to 3 for worse.

RwFSLFME and RwFPSTME indicate whether the values were imputed (=1) or not (=0).

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwSLFMEM, SwFSLFME, SwPSTMEM, and SwFPSTME are taken from the Wave "w" spouse's value for RwSLFMEM, RwFSLFME, RwPSTMEM, and RwFPSTME, respectively.

Note that the variable names RwFSLFME and RwFPSTME have been shortened from RwFSLFMEM and RwFPSTMEM in the original HRS imputation file to conform to the current 8-character limit.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the questions used for current memory and comparison to the past asked:

"How would you rate your ability to think quickly at the present time?"

And: "Compared with 2 years ago, how would you rate your ability to think quickly? Would you say it is much better now, somewhat better, about the same, somewhat worse, or much worse than it was then?"

In all other waves the wording was different, i.e.:

"How would you rate your memory at the present time?"

And: "Compared with (previous wave interview/two years ago), would you say your memory is better now, about the same, or worse than it was then?"

Imputed Cognition: Immediate Word Recall

Wave	Variable	Label	Type
1	R1IMRC20	R1IMRC20: W1 IMMEDIATE WORD RECALL	Cont
1	S1IMRC20	S1IMRC20: W1 IMMEDIATE WORD RECALL	Cont
2	R2AIMR10	R2AIMR10:W2 IMMEDIATE WORD RECALL-AHD93	Cont
2	S2AIMR10	S2AIMR10:W2 IMMEDIATE WORD RECALL-AHD93	Cont
2	R2HIMR20	R2HIMR20:W2 IMMEDIATE WORD RECALL-HRS94	Cont
2	S2HIMR20	S2HIMR20:W2 IMMEDIATE WORD RECALL-HRS94	Cont
3	R3IMRC	R3IMRC: W3 IMMEDIATE WORD RECALL	Cont
4	R4IMRC	R4IMRC: W4 IMMEDIATE WORD RECALL	Cont
5	R5IMRC	R5IMRC: W5 IMMEDIATE WORD RECALL	Cont
6	R6IMRC	R6IMRC: W6 IMMEDIATE WORD RECALL	Cont
7	R7IMRC	R7IMRC: W7 IMMEDIATE WORD RECALL	Cont
8	R8IMRC	R8IMRC: W8 IMMEDIATE WORD RECALL	Cont
9	R9IMRC	R9IMRC: W9 IMMEDIATE WORD RECALL	Cont
10	R10IMRC	R10IMRC: W10 IMMEDIATE WORD RECALL	Cont
11	R11IMRC	R11IMRC: W11 IMMEDIATE WORD RECALL	Cont
12	R12IMRC	R12IMRC: W12 IMMEDIATE WORD RECALL	Cont
13	R13IMRC	R13IMRC: W13 IMMEDIATE WORD RECALL	Cont
3	S3IMRC	S3IMRC: W3 IMMEDIATE WORD RECALL	Cont
4	S4IMRC	S4IMRC: W4 IMMEDIATE WORD RECALL	Cont
5	S5IMRC	S5IMRC: W5 IMMEDIATE WORD RECALL	Cont
6	S6IMRC	S6IMRC: W6 IMMEDIATE WORD RECALL	Cont
7	S7IMRC	S7IMRC: W7 IMMEDIATE WORD RECALL	Cont
8	S8IMRC	S8IMRC: W8 IMMEDIATE WORD RECALL	Cont
9	S9IMRC	S9IMRC: W9 IMMEDIATE WORD RECALL	Cont
10	S10IMRC	S10IMRC: W10 IMMEDIATE WORD RECALL	Cont
11	S11IMRC	S11IMRC: W11 IMMEDIATE WORD RECALL	Cont
12	S12IMRC	S12IMRC: W12 IMMEDIATE WORD RECALL	Cont
13	S13IMRC	S13IMRC: W13 IMMEDIATE WORD RECALL	Cont
1	R1FIMRC	R1FIMRC: W1 IMPFLAG: IMMEDIATE WORD RECALL	Categ
2	R2FIMRC	R2FIMRC: W2 IMPFLAG: IMMEDIATE WORD RECALL	Categ
3	R3FIMRC	R3FIMRC: W3 IMPFLAG: IMMEDIATE WORD RECALL	Categ
4	R4FIMRC	R4FIMRC: W4 IMPFLAG: IMMEDIATE WORD RECALL	Categ
5	R5FIMRC	R5FIMRC: W5 IMPFLAG: IMMEDIATE WORD RECALL	Categ
6	R6FIMRC	R6FIMRC: W6 IMPFLAG: IMMEDIATE WORD RECALL	Categ
7	R7FIMRC	R7FIMRC: W7 IMPFLAG: IMMEDIATE WORD RECALL	Categ
8	R8FIMRC	R8FIMRC: W8 IMPFLAG: IMMEDIATE WORD RECALL	Categ
9	R9FIMRC	R9FIMRC: W9 IMPFLAG: IMMEDIATE WORD RECALL	Categ
10	R10FIMRC	R10FIMRC: W10 IMPFLAG: IMMEDIATE WORD RECALL	Categ
11	R11FIMRC	R11FIMRC: W11 IMPFLAG: IMMEDIATE WORD RECALL	Categ
12	R12FIMRC	R12FIMRC: W12 IMPFLAG: IMMEDIATE WORD RECALL	Categ
13	R13FIMRC	R13FIMRC: W13 IMPFLAG: IMMEDIATE WORD RECALL	Categ
1	S1FIMRC	S1FIMRC: W1 IMPFLAG: IMMEDIATE WORD RECALL	Categ
2	S2FIMRC	S2FIMRC: W2 IMPFLAG: IMMEDIATE WORD RECALL	Categ
3	S3FIMRC	S3FIMRC: W3 IMPFLAG: IMMEDIATE WORD RECALL	Categ
4	S4FIMRC	S4FIMRC: W4 IMPFLAG: IMMEDIATE WORD RECALL	Categ
5	S5FIMRC	S5FIMRC: W5 IMPFLAG: IMMEDIATE WORD RECALL	Categ
6	S6FIMRC	S6FIMRC: W6 IMPFLAG: IMMEDIATE WORD RECALL	Categ
7	S7FIMRC	S7FIMRC: W7 IMPFLAG: IMMEDIATE WORD RECALL	Categ
8	S8FIMRC	S8FIMRC: W8 IMPFLAG: IMMEDIATE WORD RECALL	Categ
9	S9FIMRC	S9FIMRC: W9 IMPFLAG: IMMEDIATE WORD RECALL	Categ
10	S10FIMRC	S10FIMRC: W10 IMPFLAG: IMMEDIATE WORD RECALL	Categ
11	S11FIMRC	S11FIMRC: W11 IMPFLAG: IMMEDIATE WORD RECALL	Categ
12	S12FIMRC	S12FIMRC: W12 IMPFLAG: IMMEDIATE WORD RECALL	Categ
13	S13FIMRC	S13FIMRC: W13 IMPFLAG: IMMEDIATE WORD RECALL	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IMRC20	11883	7.44	2.73	0.0	20.0
S1IMRC20	9166	7.56	2.69	0.0	20.0
R2AIMR10	7382	4.55	1.94	0.0	10.0
S2AIMR10	3866	4.83	1.88	0.0	10.0
R2HIMR20	10691	7.91	3.17	0.0	20.0
S2HIMR20	8071	8.01	3.12	0.0	20.0
R3IMRC	16351	5.54	1.88	0.0	10.0
R4IMRC	19341	5.66	1.86	0.0	10.0
R5IMRC	17516	5.47	1.82	0.0	10.0
R6IMRC	16129	5.47	1.76	0.0	10.0
R7IMRC	18327	5.43	1.68	0.0	10.0
R8IMRC	17209	5.39	1.74	0.0	10.0
R9IMRC	16077	5.36	1.72	0.0	10.0
R10IMRC	20652	5.37	1.65	0.0	10.0
R11IMRC	19407	5.32	1.68	0.0	10.0
R12IMRC	17698	5.34	1.73	0.0	10.0
R13IMRC	19971	5.36	1.68	0.0	10.0
S3IMRC	10806	5.73	1.80	0.0	10.0
S4IMRC	12573	5.84	1.78	0.0	10.0
S5IMRC	11320	5.64	1.75	0.0	10.0
S6IMRC	10280	5.63	1.71	0.0	10.0
S7IMRC	11769	5.59	1.62	0.0	10.0
S8IMRC	10943	5.56	1.68	0.0	10.0
S9IMRC	9989	5.51	1.67	0.0	10.0
S10IMRC	12696	5.51	1.61	0.0	10.0
S11IMRC	11838	5.47	1.64	0.0	10.0
S12IMRC	10423	5.52	1.67	0.0	10.0
S13IMRC	11253	5.52	1.63	0.0	10.0
R1FIMRC	11883	0.02	0.15	0.0	1.0
R2FIMRC	18073	0.04	0.19	0.0	1.0
R3FIMRC	16351	0.01	0.09	0.0	1.0
R4FIMRC	19341	0.01	0.09	0.0	1.0
R5FIMRC	17516	0.01	0.11	0.0	1.0
R6FIMRC	16129	0.02	0.14	0.0	1.0
R7FIMRC	18327	0.01	0.12	0.0	1.0
R8FIMRC	17209	0.01	0.11	0.0	1.0
R9FIMRC	16077	0.01	0.10	0.0	1.0
R10FIMRC	20652	0.01	0.10	0.0	1.0
R11FIMRC	19407	0.01	0.11	0.0	1.0
R12FIMRC	17698	0.01	0.10	0.0	1.0
R13FIMRC	19971	0.01	0.10	0.0	1.0
S1FIMRC	9166	0.02	0.14	0.0	1.0
S2FIMRC	11937	0.03	0.17	0.0	1.0
S3FIMRC	10806	0.01	0.08	0.0	1.0
S4FIMRC	12573	0.01	0.08	0.0	1.0
S5FIMRC	11320	0.01	0.08	0.0	1.0
S6FIMRC	10280	0.02	0.14	0.0	1.0

S7FIMRC	11769	0.01	0.10	0.0	1.0
S8FIMRC	10943	0.01	0.10	0.0	1.0
S9FIMRC	9989	0.01	0.09	0.0	1.0
S10FIMRC	12696	0.01	0.10	0.0	1.0
S11FIMRC	11838	0.01	0.10	0.0	1.0
S12FIMRC	10423	0.01	0.09	0.0	1.0
S13FIMRC	11253	0.01	0.10	0.0	1.0

Categorical Variable Codes

RwFIMRC: 3 IMPFLAG: IMMEDIATE WORD RECALL

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	120									
.M=Oth missing	|										
.S=Proxy IW	|	397	788	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW	|	252	781	545	479	350	270	248	169	153	168
0.Not imputed	|	11622	17429	16210	19172	17312	15790	18065	16997	15919	20443
1.Imputed	|	261	644	141	169	204	339	262	212	158	209

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	985	919	784
.X=NR or Proxy all IW	|	161	130	157
0.Not imputed	|	19166	17535	19762
1.Imputed	|	241	163	209

SwFIMRC: 3 IMPFLAG: IMMEDIATE WORD RECALL

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	117									
.M=Oth missing	|										
.S=Proxy IW	|	379	683	770	1088	1154	1168	1009	652	539	674
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW	|	238	470	341	319	256	191	194	140	118	143
0.Not imputed	|	8995	11578	10734	12497	11244	10085	11638	10827	9916	12578
1.Imputed	|	171	359	72	76	76	195	131	116	73	118

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	515	480	380
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=NR or Proxy all IW	|	134	109	146
0.Not imputed	|	11708	10334	11149
1.Imputed	|	130	89	104

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

R1IMRC20, R2AIMR10, R2HIMR20, and RwIMRC provide measures for immediate word recall. They are counts of the number of words from a 10 or 20 word list that were recalled correctly.

In Waves 1 and 2H, the word list contained 20 nouns, which could be recalled in any order. In other waves, the list contained 10 words and Respondents were randomly assigned one of four lists, with a different assignment over four interviews and no overlap with the spouse. The variables R1IMRC20, R2HIMR20, and R2AIMR10 are named to indicate this difference in the measures for Waves 1 and 2.

RwFIMRC indicates whether the value was imputed (=1) or not (=0).

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw immediate word recall variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable names R2AIMR10 and R2HIMR20 have been shortened from R2AIMRC10 and R2HIMRC20 in the original HRS imputation file to conform to the current 8-character limit.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the word list contained 20 nouns while in other waves 10 nouns were listed. Also in waves other than 1 and 2H, Respondents were randomly assigned one of four non-overlapping lists, with a different list assignment over four interviews. In couple households, each spouse was assigned a different list.

Imputed Cognition: Delayed Word Recall

Wave	Variable	Label	Type
1	R1DLRC20	R1DLRC20: W1 DELAYED WORD RECALL	Cont
1	S1DLRC20	S1DLRC20: W1 DELAYED WORD RECALL	Cont
2	R2ADLR10	R2ADLR10:W2 DELAYED WORD RECALL-AHD93	Cont
2	S2ADLR10	S2ADLR10:W2 DELAYED WORD RECALL-AHD93	Cont
2	R2HDLR20	R2HDLR20:W2 DELAYED WORD RECALL-HRS94	Cont
2	S2HDLR20	S2HDLR20:W2 DELAYED WORD RECALL-HRS94	Cont
3	R3DLRC	R3DLRC: W3 DELAYED WORD RECALL	Cont
4	R4DLRC	R4DLRC: W4 DELAYED WORD RECALL	Cont
5	R5DLRC	R5DLRC: W5 DELAYED WORD RECALL	Cont
6	R6DLRC	R6DLRC: W6 DELAYED WORD RECALL	Cont
7	R7DLRC	R7DLRC: W7 DELAYED WORD RECALL	Cont
8	R8DLRC	R8DLRC: W8 DELAYED WORD RECALL	Cont
9	R9DLRC	R9DLRC: W9 DELAYED WORD RECALL	Cont
10	R10DLRC	R10DLRC: W10 DELAYED WORD RECALL	Cont
11	R11DLRC	R11DLRC: W11 DELAYED WORD RECALL	Cont
12	R12DLRC	R12DLRC: W12 DELAYED WORD RECALL	Cont
13	R13DLRC	R13DLRC: W13 DELAYED WORD RECALL	Cont
3	S3DLRC	S3DLRC: W3 DELAYED WORD RECALL	Cont
4	S4DLRC	S4DLRC: W4 DELAYED WORD RECALL	Cont
5	S5DLRC	S5DLRC: W5 DELAYED WORD RECALL	Cont
6	S6DLRC	S6DLRC: W6 DELAYED WORD RECALL	Cont
7	S7DLRC	S7DLRC: W7 DELAYED WORD RECALL	Cont
8	S8DLRC	S8DLRC: W8 DELAYED WORD RECALL	Cont
9	S9DLRC	S9DLRC: W9 DELAYED WORD RECALL	Cont
10	S10DLRC	S10DLRC: W10 DELAYED WORD RECALL	Cont
11	S11DLRC	S11DLRC: W11 DELAYED WORD RECALL	Cont
12	S12DLRC	S12DLRC: W12 DELAYED WORD RECALL	Cont
13	S13DLRC	S13DLRC: W13 DELAYED WORD RECALL	Cont
1	R1FDLRC	R1FDLRC: W1 IMPFLAG: DELAYED WORD RECALL	Categ
2	R2FDLRC	R2FDLRC: W2 IMPFLAG: DELAYED WORD RECALL	Categ
3	R3FDLRC	R3FDLRC: W3 IMPFLAG: DELAYED WORD RECALL	Categ
4	R4FDLRC	R4FDLRC: W4 IMPFLAG: DELAYED WORD RECALL	Categ
5	R5FDLRC	R5FDLRC: W5 IMPFLAG: DELAYED WORD RECALL	Categ
6	R6FDLRC	R6FDLRC: W6 IMPFLAG: DELAYED WORD RECALL	Categ
7	R7FDLRC	R7FDLRC: W7 IMPFLAG: DELAYED WORD RECALL	Categ
8	R8FDLRC	R8FDLRC: W8 IMPFLAG: DELAYED WORD RECALL	Categ
9	R9FDLRC	R9FDLRC: W9 IMPFLAG: DELAYED WORD RECALL	Categ
10	R10FDLRC	R10FDLRC: W10 IMPFLAG: DELAYED WORD RECALL	Categ
11	R11FDLRC	R11FDLRC: W11 IMPFLAG: DELAYED WORD RECALL	Categ
12	R12FDLRC	R12FDLRC: W12 IMPFLAG: DELAYED WORD RECALL	Categ
13	R13FDLRC	R13FDLRC: W13 IMPFLAG: DELAYED WORD RECALL	Categ
1	S1FDLRC	S1FDLRC: W1 IMPFLAG: DELAYED WORD RECALL	Categ
2	S2FDLRC	S2FDLRC: W2 IMPFLAG: DELAYED WORD RECALL	Categ
3	S3FDLRC	S3FDLRC: W3 IMPFLAG: DELAYED WORD RECALL	Categ
4	S4FDLRC	S4FDLRC: W4 IMPFLAG: DELAYED WORD RECALL	Categ
5	S5FDLRC	S5FDLRC: W5 IMPFLAG: DELAYED WORD RECALL	Categ
6	S6FDLRC	S6FDLRC: W6 IMPFLAG: DELAYED WORD RECALL	Categ
7	S7FDLRC	S7FDLRC: W7 IMPFLAG: DELAYED WORD RECALL	Categ
8	S8FDLRC	S8FDLRC: W8 IMPFLAG: DELAYED WORD RECALL	Categ
9	S9FDLRC	S9FDLRC: W9 IMPFLAG: DELAYED WORD RECALL	Categ
10	S10FDLRC	S10FDLRC: W10 IMPFLAG: DELAYED WORD RECALL	Categ
11	S11FDLRC	S11FDLRC: W11 IMPFLAG: DELAYED WORD RECALL	Categ
12	S12FDLRC	S12FDLRC: W12 IMPFLAG: DELAYED WORD RECALL	Categ
13	S13FDLRC	S13FDLRC: W13 IMPFLAG: DELAYED WORD RECALL	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DLRC20	11883	5.40	2.91	0.0	20.0
S1DLRC20	9166	5.56	2.89	0.0	20.0
R2ADLR10	7382	3.16	2.24	0.0	10.0
S2ADLR10	3866	3.49	2.19	0.0	10.0
R2HDLR20	10691	6.03	3.35	0.0	20.0
S2HDLR20	8071	6.14	3.31	0.0	20.0
R3DLRC	16351	4.40	2.27	0.0	10.0
R4DLRC	19341	4.55	2.25	0.0	10.0
R5DLRC	17516	4.41	2.17	0.0	10.0
R6DLRC	16129	4.50	2.11	0.0	10.0
R7DLRC	18327	4.35	2.03	0.0	10.0
R8DLRC	17209	4.33	2.08	0.0	10.0
R9DLRC	16077	4.32	2.05	0.0	10.0
R10DLRC	20652	4.29	1.97	0.0	10.0
R11DLRC	19407	4.27	2.00	0.0	10.0
R12DLRC	17698	4.31	2.03	0.0	10.0
R13DLRC	19971	4.31	1.98	0.0	10.0
S3DLRC	10806	4.63	2.19	0.0	10.0
S4DLRC	12573	4.77	2.16	0.0	10.0
S5DLRC	11320	4.63	2.09	0.0	10.0
S6DLRC	10280	4.70	2.03	0.0	10.0
S7DLRC	11769	4.55	1.95	0.0	10.0
S8DLRC	10943	4.55	1.99	0.0	10.0
S9DLRC	9989	4.50	1.98	0.0	10.0
S10DLRC	12696	4.46	1.91	0.0	10.0
S11DLRC	11838	4.47	1.95	0.0	10.0
S12DLRC	10423	4.53	1.97	0.0	10.0
S13DLRC	11253	4.51	1.91	0.0	10.0
R1FDLRC	11883	0.03	0.17	0.0	1.0
R2FDLRC	18073	0.05	0.22	0.0	1.0
R3FDLRC	16351	0.02	0.13	0.0	1.0
R4FDLRC	19341	0.02	0.13	0.0	1.0
R5FDLRC	17516	0.02	0.14	0.0	1.0
R6FDLRC	16129	0.04	0.20	0.0	1.0
R7FDLRC	18327	0.02	0.15	0.0	1.0
R8FDLRC	17209	0.02	0.15	0.0	1.0
R9FDLRC	16077	0.02	0.13	0.0	1.0
R10FDLRC	20652	0.03	0.16	0.0	1.0
R11FDLRC	19407	0.03	0.17	0.0	1.0
R12FDLRC	17698	0.03	0.16	0.0	1.0
R13FDLRC	19971	0.03	0.17	0.0	1.0
S1FDLRC	9166	0.03	0.16	0.0	1.0
S2FDLRC	11937	0.04	0.20	0.0	1.0
S3FDLRC	10806	0.01	0.11	0.0	1.0
S4FDLRC	12573	0.01	0.11	0.0	1.0
S5FDLRC	11320	0.01	0.11	0.0	1.0
S6FDLRC	10280	0.03	0.18	0.0	1.0

S7FDLRC	11769	0.02	0.13	0.0	1.0
S8FDLRC	10943	0.02	0.13	0.0	1.0
S9FDLRC	9989	0.01	0.11	0.0	1.0
S10FDLRC	12696	0.02	0.14	0.0	1.0
S11FDLRC	11838	0.02	0.15	0.0	1.0
S12FDLRC	10423	0.02	0.14	0.0	1.0
S13FDLRC	11253	0.02	0.14	0.0	1.0

Categorical Variable Codes

RwFDLRC: 3 IMPFLAG: DELAYED WORD RECALL

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	120									
.M=Oth missing	|										
.S=Proxy IW	|	397	788	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW	|	252	781	545	479	350	270	248	169	153	168
0.Not imputed	|	11535	17174	16053	19001	17187	15483	17907	16838	15793	20107
1.Imputed	|	348	899	298	340	329	646	420	371	284	545

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	985	919	784
.X=NR or Proxy all IW	|	161	130	157
0.Not imputed	|	18807	17227	19400
1.Imputed	|	600	471	571

SwFDLRC: 3 IMPFLAG: DELAYED WORD RECALL

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=HRS-AHD overlap	|	117									
.M=Oth missing	|										
.S=Proxy IW	|	379	683	770	1088	1154	1168	1009	652	539	674
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW	|	238	470	341	319	256	191	194	140	118	143
0.Not imputed	|	8933	11438	10662	12423	11184	9925	11564	10751	9861	12426
1.Imputed	|	233	499	144	150	136	355	205	192	128	270

Value		w11	w12	w13
.C=HRS-AHD overlap	|			
.M=Oth missing	|	1		
.S=Proxy IW	|	515	480	380
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=NR or Proxy all IW	|	134	109	146
0.Not imputed	|	11553	10215	11022
1.Imputed	|	285	208	231

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

R1DLRC20, R2ADLR10, R2HDLR20, and RwDLRC provide measures for delayed word recall. They are counts of the number of words from the 10 or 20 word immediate recall list that were recalled correctly after a delay of about 5 minutes spent answering other survey questions.

In Waves 1 and 2H, the word list contained 20 nouns, which could be recalled in any order. In other waves, the list contained 10 words and Respondents were randomly assigned one of four lists, with a different assignment over four interviews and no overlap with the spouse. The variables R1DLRC20, R2HDLR20, and R2ADLR10 are named to indicate this difference in the measures for Waves 1 and 2.

RwFDLRC indicates whether the value was imputed (=1) or not (=0).

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw delayed word recall variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable names R2ADLR10 and R2HDLR20 have been shortened from R2ADLRC10 and R2HDLRC20 in the original HRS imputation file to conform to the current 8-character limit.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the word list contained 20 nouns while in other waves 10 nouns were listed. Also in waves other than 1 and 2H, Respondents were randomly assigned one of four non-overlapping lists, with a different list assignment over four interviews. In couple households, each spouse was assigned a different list.

The questions asked during the five minute period between immediate and delayed word recall tasks varied across waves. Please see the HRS documentation (Wallace et.al.,2005; Fisher et.al., 2009; Fischer et.al., 2017) for a more complete description of the differences.

Imputed Cognition: Serial 7's

Wave	Variable	Label	Type
2	R2SER7	R2SER7: W2 SERIAL 7S	Cont
3	R3SER7	R3SER7: W3 SERIAL 7S	Cont
4	R4SER7	R4SER7: W4 SERIAL 7S	Cont
5	R5SER7	R5SER7: W5 SERIAL 7S	Cont
6	R6SER7	R6SER7: W6 SERIAL 7S	Cont
7	R7SER7	R7SER7: W7 SERIAL 7S	Cont
8	R8SER7	R8SER7: W8 SERIAL 7S	Cont
9	R9SER7	R9SER7: W9 SERIAL 7S	Cont
10	R10SER7	R10SER7: W10 SERIAL 7S	Cont
11	R11SER7	R11SER7: W11 SERIAL 7S	Cont
12	R12SER7	R12SER7: W12 SERIAL 7S	Cont
13	R13SER7	R13SER7: W13 SERIAL 7S	Cont
2	S2SER7	S2SER7: W2 SERIAL 7S	Cont
3	S3SER7	S3SER7: W3 SERIAL 7S	Cont
4	S4SER7	S4SER7: W4 SERIAL 7S	Cont
5	S5SER7	S5SER7: W5 SERIAL 7S	Cont
6	S6SER7	S6SER7: W6 SERIAL 7S	Cont
7	S7SER7	S7SER7: W7 SERIAL 7S	Cont
8	S8SER7	S8SER7: W8 SERIAL 7S	Cont
9	S9SER7	S9SER7: W9 SERIAL 7S	Cont
10	S10SER7	S10SER7: W10 SERIAL 7S	Cont
11	S11SER7	S11SER7: W11 SERIAL 7S	Cont
12	S12SER7	S12SER7: W12 SERIAL 7S	Cont
13	S13SER7	S13SER7: W13 SERIAL 7S	Cont
2	R2FSER7	R2FSER7: W2 IMPFLAG: SERIAL 7S	Categ
3	R3FSER7	R3FSER7: W3 IMPFLAG: SERIAL 7S	Categ
4	R4FSER7	R4FSER7: W4 IMPFLAG: SERIAL 7S	Categ
5	R5FSER7	R5FSER7: W5 IMPFLAG: SERIAL 7S	Categ
6	R6FSER7	R6FSER7: W6 IMPFLAG: SERIAL 7S	Categ
7	R7FSER7	R7FSER7: W7 IMPFLAG: SERIAL 7S	Categ
8	R8FSER7	R8FSER7: W8 IMPFLAG: SERIAL 7S	Categ
9	R9FSER7	R9FSER7: W9 IMPFLAG: SERIAL 7S	Categ
10	R10FSER7	R10FSER7: W10 IMPFLAG: SERIAL 7S	Categ
11	R11FSER7	R11FSER7: W11 IMPFLAG: SERIAL 7S	Categ
12	R12FSER7	R12FSER7: W12 IMPFLAG: SERIAL 7S	Categ
13	R13FSER7	R13FSER7: W13 IMPFLAG: SERIAL 7S	Categ
2	S2FSER7	S2FSER7: W2 IMPFLAG: SERIAL 7S	Categ
3	S3FSER7	S3FSER7: W3 IMPFLAG: SERIAL 7S	Categ
4	S4FSER7	S4FSER7: W4 IMPFLAG: SERIAL 7S	Categ
5	S5FSER7	S5FSER7: W5 IMPFLAG: SERIAL 7S	Categ
6	S6FSER7	S6FSER7: W6 IMPFLAG: SERIAL 7S	Categ
7	S7FSER7	S7FSER7: W7 IMPFLAG: SERIAL 7S	Categ
8	S8FSER7	S8FSER7: W8 IMPFLAG: SERIAL 7S	Categ
9	S9FSER7	S9FSER7: W9 IMPFLAG: SERIAL 7S	Categ
10	S10FSER7	S10FSER7: W10 IMPFLAG: SERIAL 7S	Categ
11	S11FSER7	S11FSER7: W11 IMPFLAG: SERIAL 7S	Categ
12	S12FSER7	S12FSER7: W12 IMPFLAG: SERIAL 7S	Categ
13	S13FSER7	S13FSER7: W13 IMPFLAG: SERIAL 7S	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SER7	7382	3.19	1.71	0.0	5.0
R3SER7	16351	3.43	1.70	0.0	5.0
R4SER7	19341	3.47	1.70	0.0	5.0
R5SER7	17516	3.47	1.71	0.0	5.0
R6SER7	16129	3.49	1.73	0.0	5.0

R7SER7	18327	3.53	1.67	0.0	5.0
R8SER7	17209	3.51	1.71	0.0	5.0
R9SER7	16077	3.48	1.70	0.0	5.0
R10SER7	20652	3.40	1.68	0.0	5.0
R11SER7	19407	3.36	1.71	0.0	5.0
R12SER7	17698	3.42	1.69	0.0	5.0
R13SER7	19971	3.44	1.68	0.0	5.0
S2SER7	3866	3.42	1.63	0.0	5.0
S3SER7	10806	3.61	1.61	0.0	5.0
S4SER7	12573	3.67	1.60	0.0	5.0
S5SER7	11320	3.65	1.62	0.0	5.0
S6SER7	10280	3.68	1.63	0.0	5.0
S7SER7	11769	3.70	1.58	0.0	5.0
S8SER7	10943	3.70	1.61	0.0	5.0
S9SER7	9989	3.67	1.60	0.0	5.0
S10SER7	12696	3.58	1.60	0.0	5.0
S11SER7	11838	3.55	1.62	0.0	5.0
S12SER7	10423	3.63	1.60	0.0	5.0
S13SER7	11253	3.62	1.60	0.0	5.0
R2FSER7	7382	0.11	0.32	0.0	1.0
R3FSER7	16351	0.04	0.20	0.0	1.0
R4FSER7	19341	0.03	0.18	0.0	1.0
R5FSER7	17516	0.04	0.19	0.0	1.0
R6FSER7	16129	0.03	0.18	0.0	1.0
R7FSER7	18327	0.03	0.18	0.0	1.0
R8FSER7	17209	0.03	0.16	0.0	1.0
R9FSER7	16077	0.03	0.16	0.0	1.0
R10FSER7	20652	0.02	0.13	0.0	1.0
R11FSER7	19407	0.02	0.14	0.0	1.0
R12FSER7	17698	0.02	0.12	0.0	1.0
R13FSER7	19971	0.02	0.13	0.0	1.0
S2FSER7	3866	0.08	0.28	0.0	1.0
S3FSER7	10806	0.03	0.17	0.0	1.0
S4FSER7	12573	0.02	0.15	0.0	1.0
S5FSER7	11320	0.02	0.15	0.0	1.0
S6FSER7	10280	0.03	0.16	0.0	1.0
S7FSER7	11769	0.03	0.16	0.0	1.0
S8FSER7	10943	0.02	0.14	0.0	1.0
S9FSER7	9989	0.02	0.14	0.0	1.0
S10FSER7	12696	0.01	0.12	0.0	1.0
S11FSER7	11838	0.02	0.13	0.0	1.0
S12FSER7	10423	0.01	0.11	0.0	1.0
S13FSER7	11253	0.01	0.11	0.0	1.0

Categorical Variable Codes

RwFSER7: 3 IMPFLAG: SERIAL 7S											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|										
.Q=Not asked this cohort or	|		11420								
.S=Proxy IW	|		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW	|		628	545	479	350	270	248	169	153	168
0.Not imputed	|		6548	15644	18675	16859	15592	17695	16778	15654	20304
1.Imputed	|		834	707	666	657	537	632	431	423	348
Value		w11	w12	w13							
.M=Oth missing	|	1									
.Q=Not asked this cohort or	|										
.S=Proxy IW	|	985	919	784							
.X=NR or Proxy all IW	|	161	130	157							
0.Not imputed	|	19012	17425	19647							
1.Imputed	|	395	273	324							
SwFSER7: 3 IMPFLAG: SERIAL 7S											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|										
.Q=Not asked this cohort or	|		9125								
.S=Proxy IW	|		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW	|		326	341	319	256	191	194	140	118	143
0.Not imputed	|		3541	10472	12270	11042	10022	11459	10718	9775	12515
1.Imputed	|		325	334	303	278	258	310	225	214	181
Value		w11	w12	w13							
.M=Oth missing	|	1									
.Q=Not asked this cohort or	|										
.S=Proxy IW	|	515	480	380							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
.X=NR or Proxy all IW	|	134	109	146							
0.Not imputed	|	11638	10289	11106							
1.Imputed	|	200	134	147							

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwSER7 provides the number of correct subtractions in the serial 7s test. This test asks the individual to subtract 7 from the prior number, beginning with 100 for five trials. Correct subtractions are based on the prior number given, so that even if one subtraction is incorrect subsequent trials are evaluated on the given (perhaps wrong) answer. Valid scores are 0-5.

RwFSER7 indicates whether the value was imputed (=1) or not (=0).

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2SER7 and R2FSER7 are set to special missing .Q to indicate that it is missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwSER7 is taken from the spouse's value for RwSER7.

Cross Wave Differences in Original HRS Data

This question was not asked in Waves 1 and 2H, but is included in all other waves.

Imputed Cognition: Backwards Counting

Wave	Variable	Label	Type
2	R2BWC20	R2BWC20: W2 BACKWARDS COUNT FROM 20	Categ
3	R3BWC20	R3BWC20: W3 BACKWARDS COUNT FROM 20	Categ
4	R4BWC20	R4BWC20: W4 BACKWARDS COUNT FROM 20	Categ
5	R5BWC20	R5BWC20: W5 BACKWARDS COUNT FROM 20	Categ
6	R6BWC20	R6BWC20: W6 BACKWARDS COUNT FROM 20	Categ
7	R7BWC20	R7BWC20: W7 BACKWARDS COUNT FROM 20	Categ
8	R8BWC20	R8BWC20: W8 BACKWARDS COUNT FROM 20	Categ
9	R9BWC20	R9BWC20: W9 BACKWARDS COUNT FROM 20	Categ
10	R10BWC20	R10BWC20: W10 BACKWARDS COUNT FROM 20	Categ
11	R11BWC20	R11BWC20: W11 BACKWARDS COUNT FROM 20	Categ
12	R12BWC20	R12BWC20: W12 BACKWARDS COUNT FROM 20	Categ
13	R13BWC20	R13BWC20: W13 BACKWARDS COUNT FROM 20	Categ
2	S2BWC20	S2BWC20: W2 BACKWARDS COUNT FROM 20	Categ
3	S3BWC20	S3BWC20: W3 BACKWARDS COUNT FROM 20	Categ
4	S4BWC20	S4BWC20: W4 BACKWARDS COUNT FROM 20	Categ
5	S5BWC20	S5BWC20: W5 BACKWARDS COUNT FROM 20	Categ
6	S6BWC20	S6BWC20: W6 BACKWARDS COUNT FROM 20	Categ
7	S7BWC20	S7BWC20: W7 BACKWARDS COUNT FROM 20	Categ
8	S8BWC20	S8BWC20: W8 BACKWARDS COUNT FROM 20	Categ
9	S9BWC20	S9BWC20: W9 BACKWARDS COUNT FROM 20	Categ
10	S10BWC20	S10BWC20: W10 BACKWARDS COUNT FROM 20	Categ
11	S11BWC20	S11BWC20: W11 BACKWARDS COUNT FROM 20	Categ
12	S12BWC20	S12BWC20: W12 BACKWARDS COUNT FROM 20	Categ
13	S13BWC20	S13BWC20: W13 BACKWARDS COUNT FROM 20	Categ
2	R2FBWC20	R2FBWC20: W2 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
3	R3FBWC20	R3FBWC20: W3 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
4	R4FBWC20	R4FBWC20: W4 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
5	R5FBWC20	R5FBWC20: W5 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
6	R6FBWC20	R6FBWC20: W6 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
7	R7FBWC20	R7FBWC20: W7 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
8	R8FBWC20	R8FBWC20: W8 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
9	R9FBWC20	R9FBWC20: W9 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
10	R10FBWC20	R10FBWC20: W10 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
11	R11FBWC20	R11FBWC20: W11 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
12	R12FBWC20	R12FBWC20: W12 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
13	R13FBWC20	R13FBWC20: W13 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
2	S2FBWC20	S2FBWC20: W2 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
3	S3FBWC20	S3FBWC20: W3 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
4	S4FBWC20	S4FBWC20: W4 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
5	S5FBWC20	S5FBWC20: W5 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
6	S6FBWC20	S6FBWC20: W6 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
7	S7FBWC20	S7FBWC20: W7 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
8	S8FBWC20	S8FBWC20: W8 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
9	S9FBWC20	S9FBWC20: W9 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
10	S10FBWC20	S10FBWC20: W10 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
11	S11FBWC20	S11FBWC20: W11 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
12	S12FBWC20	S12FBWC20: W12 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
13	S13FBWC20	S13FBWC20: W13 IMPFLAG: BACKWARDS COUNT FROM 20	Categ
3	R3BWC86	R3BWC86: W3 BACKWARDS COUNT FROM 86	Categ
4	R4BWC86	R4BWC86: W4 BACKWARDS COUNT FROM 86	Categ
5	R5BWC86	R5BWC86: W5 BACKWARDS COUNT FROM 86	Categ
6	R6BWC86	R6BWC86: W6 BACKWARDS COUNT FROM 86	Categ
3	S3BWC86	S3BWC86: W3 BACKWARDS COUNT FROM 86	Categ
4	S4BWC86	S4BWC86: W4 BACKWARDS COUNT FROM 86	Categ
5	S5BWC86	S5BWC86: W5 BACKWARDS COUNT FROM 86	Categ
6	S6BWC86	S6BWC86: W6 BACKWARDS COUNT FROM 86	Categ
3	R3FBWC86	R3FBWC86: W3 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
4	R4FBWC86	R4FBWC86: W4 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
5	R5FBWC86	R5FBWC86: W5 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
6	R6FBWC86	R6FBWC86: W6 IMPFLAG: BACKWARDS COUNT FROM 86	Categ

3	S3FBWC86	S3FBWC86: W3 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
4	S4FBWC86	S4FBWC86: W4 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
5	S5FBWC86	S5FBWC86: W5 IMPFLAG: BACKWARDS COUNT FROM 86	Categ
6	S6FBWC86	S6FBWC86: W6 IMPFLAG: BACKWARDS COUNT FROM 86	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2BWC20	7382	1.81	0.55	0.0	2.0
R3BWC20	16351	1.91	0.41	0.0	2.0
R4BWC20	19341	1.91	0.42	0.0	2.0
R5BWC20	17516	1.90	0.43	0.0	2.0
R6BWC20	16129	1.91	0.41	0.0	2.0
R7BWC20	18327	1.89	0.44	0.0	2.0
R8BWC20	17209	1.88	0.47	0.0	2.0
R9BWC20	16077	1.88	0.46	0.0	2.0
R10BWC20	20652	1.85	0.52	0.0	2.0
R11BWC20	19407	1.84	0.53	0.0	2.0
R12BWC20	17698	1.85	0.52	0.0	2.0
R13BWC20	19971	1.86	0.51	0.0	2.0
S2BWC20	3866	1.86	0.48	0.0	2.0
S3BWC20	10806	1.93	0.37	0.0	2.0
S4BWC20	12573	1.92	0.38	0.0	2.0
S5BWC20	11320	1.92	0.39	0.0	2.0
S6BWC20	10280	1.93	0.37	0.0	2.0
S7BWC20	11769	1.91	0.41	0.0	2.0
S8BWC20	10943	1.90	0.44	0.0	2.0
S9BWC20	9989	1.91	0.42	0.0	2.0
S10BWC20	12696	1.87	0.48	0.0	2.0
S11BWC20	11838	1.86	0.51	0.0	2.0
S12BWC20	10423	1.87	0.48	0.0	2.0
S13BWC20	11253	1.88	0.47	0.0	2.0
R2FBWC20	7382	0.02	0.15	0.0	1.0
R3FBWC20	16351	0.02	0.12	0.0	1.0
R4FBWC20	19341	0.01	0.09	0.0	1.0
R5FBWC20	17516	0.01	0.09	0.0	1.0
R6FBWC20	16129	0.01	0.09	0.0	1.0
R7FBWC20	18327	0.01	0.09	0.0	1.0
R8FBWC20	17209	0.01	0.08	0.0	1.0
R9FBWC20	16077	0.01	0.07	0.0	1.0
R10FBWC20	20652	0.00	0.06	0.0	1.0
R11FBWC20	19407	0.00	0.06	0.0	1.0
R12FBWC20	17698	0.00	0.07	0.0	1.0
R13FBWC20	19971	0.00	0.06	0.0	1.0
S2FBWC20	3866	0.02	0.13	0.0	1.0
S3FBWC20	10806	0.01	0.10	0.0	1.0
S4FBWC20	12573	0.00	0.07	0.0	1.0
S5FBWC20	11320	0.01	0.07	0.0	1.0
S6FBWC20	10280	0.01	0.07	0.0	1.0
S7FBWC20	11769	0.01	0.07	0.0	1.0
S8FBWC20	10943	0.00	0.07	0.0	1.0
S9FBWC20	9989	0.00	0.06	0.0	1.0

S10FBWC20	12696	0.00	0.06	0.0	1.0
S11FBWC20	11838	0.00	0.06	0.0	1.0
S12FBWC20	10423	0.00	0.06	0.0	1.0
S13FBWC20	11253	0.00	0.06	0.0	1.0
R3BWC86	16351	1.73	0.68	0.0	2.0
R4BWC86	19341	1.72	0.69	0.0	2.0
R5BWC86	17516	1.72	0.69	0.0	2.0
R6BWC86	16129	1.74	0.67	0.0	2.0
S3BWC86	10806	1.76	0.65	0.0	2.0
S4BWC86	12573	1.76	0.65	0.0	2.0
S5BWC86	11320	1.76	0.65	0.0	2.0
S6BWC86	10280	1.77	0.64	0.0	2.0
R3FBWC86	16351	0.03	0.16	0.0	1.0
R4FBWC86	19341	0.01	0.10	0.0	1.0
R5FBWC86	17516	0.01	0.10	0.0	1.0
R6FBWC86	16129	0.01	0.10	0.0	1.0
S3FBWC86	10806	0.02	0.13	0.0	1.0
S4FBWC86	12573	0.01	0.08	0.0	1.0
S5FBWC86	11320	0.01	0.08	0.0	1.0
S6FBWC86	10280	0.01	0.08	0.0	1.0

Categorical Variable Codes

RwBWC20: 3 BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Incorrect		546	705	885	810	714	921	990	888	1479
1.Correct, 2nd try		322	91	59	94	54	83	70	90	80
2.Correct, 1st try		6514	15555	18397	16612	15361	17323	16149	15099	19093

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Incorrect	1485	1287	1364
1.Correct, 2nd try	73	65	56
2.Correct, 1st try	17849	16346	18551

SwBWC20: 3 BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Incorrect		204	381	469	427	364	514	550	452	783
1.Correct, 2nd try		134	33	27	50	24	34	32	41	37
2.Correct, 1st try		3528	10392	12077	10843	9892	11221	10361	9496	11876

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Incorrect	803	646	648
1.Correct, 2nd try	36	34	28
2.Correct, 1st try	10999	9743	10577

RwFBWC20: 3 IMPFLAG: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Not imputed		7222	16098	19195	17366	16001	18180	17105	15992	20566
1.Imputed		160	253	146	150	128	147	104	85	86

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Not imputed	19328	17621	19891
1.Imputed	79	77	80

SwFBWC20: 3 IMPFLAG: BACKWARDS COUNT FROM 20

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Not imputed		3803	10703	12511	11262	10228	11705	10895	9953	12652
1.Imputed		63	103	62	58	52	64	48	36	44

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Not imputed	11798	10390	11217
1.Imputed	40	33	36

RwBWC86: BACKWARDS COUNT FROM 86

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW			1095	1564	1712	1766				
.X=NR or Proxy all IW			545	479	350	270				
0.Incorrect			2157	2662	2416	2092				
1.Correct, 2nd try			151	94	114	81				
2.Correct, 1st try			14043	16585	14986	13956				

Value	w11	w12	w13
.S=Proxy IW			
.X=NR or Proxy all IW			
0.Incorrect			
1.Correct, 2nd try			
2.Correct, 1st try			

SwBWC86: BACKWARDS COUNT FROM 86

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW	|			770	1088	1154	1168				
.U=Unmarried	|			5657	6868	6537	6306				
.V=Spouse NR	|			417	536	311	220				
.X=NR or Proxy all IW	|			341	319	256	191				
0.Incorrect	|			1284	1486	1348	1171				
1.Correct, 2nd try	|			59	46	51	27				
2.Correct, 1st try	|			9463	11041	9921	9082				

Value		w11	w12	w13
.S=Proxy IW	|			
.U=Unmarried	|			
.V=Spouse NR	|			
.X=NR or Proxy all IW	|			
0.Incorrect	|			
1.Correct, 2nd try	|			
2.Correct, 1st try	|			

RwFBWC86: IMPFLAG: BACKWARDS COUNT FROM 86

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW	|			1095	1564	1712	1766				
.X=NR or Proxy all IW	|			545	479	350	270				
0.Not imputed	|			15939	19135	17330	15974				
1.Imputed	|			412	206	186	155				

Value		w11	w12	w13
.S=Proxy IW	|			
.X=NR or Proxy all IW	|			
0.Not imputed	|			
1.Imputed	|			

SwFBWC86: IMPFLAG: BACKWARDS COUNT FROM 86

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.S=Proxy IW	|			770	1088	1154	1168				
.U=Unmarried	|			5657	6868	6537	6306				
.V=Spouse NR	|			417	536	311	220				
.X=NR or Proxy all IW	|			341	319	256	191				
0.Not imputed	|			10628	12488	11247	10221				
1.Imputed	|			178	85	73	59				
Value		w11	w12	w13							
.S=Proxy IW	|										
.U=Unmarried	|										
.V=Spouse NR	|										
.X=NR or Proxy all IW	|										
0.Not imputed	|										
1.Imputed	|										

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwBWC20 and RwBWC86 indicate whether the Respondent was able to successfully count backwards for 10 continuous numbers from 20 and 86, respectively. Two points are given if successful on the first try, one if successful on the second, and zero if not successful on either try.

RwFBWC20 and RwFBWC86 indicate whether the values were imputed (=1) or not (=0).

RwBWC20 is available in Wave 2A and from Waves 3 forward. Counting backwards from 86 was tested in Wave 3H and Waves 4 to 6. Neither test was included in Waves 1 and 2H. In Wave 2H, R2BWC20 and R2FBWC20 are set to special missing .Q to indicate that it is missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwBWC20, SwFBWC20, SwBWC86, and SwFBWC86 are taken from the Wave "w" spouse's value for RwBWC20, RwFBWC20, RwBWC86, and RwFBWC86, respectively.

Cross Wave Differences in Original HRS Data

Counting backwards from 20 is included in interviews for Wave 2A, and from Wave 3 forward. Counting backwards from 86 is included for Wave 3H and Waves 4 to 6. Neither test was included in interviews for Waves 1 and 2H.

Instructions were added in Wave 3 asking that the Respondent count backwards as quickly as possible.

Imputed Cognition: Date Naming

Wave	Variable	Label	Type
2	R2MO	R2MO:W2 Cognition Date naming-Month	Categ
3	R3MO	R3MO:W3 Cognition Date naming-Month	Categ
4	R4MO	R4MO:W4 Cognition Date naming-Month	Categ
5	R5MO	R5MO:W5 Cognition Date naming-Month	Categ
6	R6MO	R6MO:W6 Cognition Date naming-Month	Categ
7	R7MO	R7MO:W7 Cognition Date naming-Month	Categ
8	R8MO	R8MO:W8 Cognition Date naming-Month	Categ
9	R9MO	R9MO:W9 Cognition Date naming-Month	Categ
10	R10MO	R10MO:W10 Cognition Date naming-Month	Categ
11	R11MO	R11MO:W11 Cognition Date naming-Month	Categ
12	R12MO	R12MO:W12 Cognition Date naming-Month	Categ
13	R13MO	R13MO:W13 Cognition Date naming-Month	Categ
2	S2MO	S2MO:W2 Cognition Date naming-Month	Categ
3	S3MO	S3MO:W3 Cognition Date naming-Month	Categ
4	S4MO	S4MO:W4 Cognition Date naming-Month	Categ
5	S5MO	S5MO:W5 Cognition Date naming-Month	Categ
6	S6MO	S6MO:W6 Cognition Date naming-Month	Categ
7	S7MO	S7MO:W7 Cognition Date naming-Month	Categ
8	S8MO	S8MO:W8 Cognition Date naming-Month	Categ
9	S9MO	S9MO:W9 Cognition Date naming-Month	Categ
10	S10MO	S10MO:W10 Cognition Date naming-Month	Categ
11	S11MO	S11MO:W11 Cognition Date naming-Month	Categ
12	S12MO	S12MO:W12 Cognition Date naming-Month	Categ
13	S13MO	S13MO:W13 Cognition Date naming-Month	Categ
2	R2FMO	R2FMO: W2 IMPFLAG: DATE: MONTH	Categ
3	R3FMO	R3FMO: W3 IMPFLAG: DATE: MONTH	Categ
4	R4FMO	R4FMO: W4 IMPFLAG: DATE: MONTH	Categ
5	R5FMO	R5FMO: W5 IMPFLAG: DATE: MONTH	Categ
6	R6FMO	R6FMO: W6 IMPFLAG: DATE: MONTH	Categ
7	R7FMO	R7FMO: W7 IMPFLAG: DATE: MONTH	Categ
8	R8FMO	R8FMO: W8 IMPFLAG: DATE: MONTH	Categ
9	R9FMO	R9FMO: W9 IMPFLAG: DATE: MONTH	Categ
10	R10FMO	R10FMO: W10 IMPFLAG: DATE: MONTH	Categ
11	R11FMO	R11FMO: W11 IMPFLAG: DATE: MONTH	Categ
12	R12FMO	R12FMO: W12 IMPFLAG: DATE: MONTH	Categ
13	R13FMO	R13FMO: W13 IMPFLAG: DATE: MONTH	Categ
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4	S4FMO	S4FMO: W4 IMPFLAG: DATE: MONTH	Categ
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6	S6FMO	S6FMO: W6 IMPFLAG: DATE: MONTH	Categ
7	S7FMO	S7FMO: W7 IMPFLAG: DATE: MONTH	Categ
8	S8FMO	S8FMO: W8 IMPFLAG: DATE: MONTH	Categ
9	S9FMO	S9FMO: W9 IMPFLAG: DATE: MONTH	Categ
10	S10FMO	S10FMO: W10 IMPFLAG: DATE: MONTH	Categ
11	S11FMO	S11FMO: W11 IMPFLAG: DATE: MONTH	Categ
12	S12FMO	S12FMO: W12 IMPFLAG: DATE: MONTH	Categ
13	S13FMO	S13FMO: W13 IMPFLAG: DATE: MONTH	Categ
2	R2DY	R2DY:W2 Cognition Date naming-Day of month	Categ
3	R3DY	R3DY:W3 Cognition Date naming-Day of month	Categ
4	R4DY	R4DY:W4 Cognition Date naming-Day of month	Categ
5	R5DY	R5DY:W5 Cognition Date naming-Day of month	Categ
6	R6DY	R6DY:W6 Cognition Date naming-Day of month	Categ
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11	R11DY	R11DY:W11 Cognition Date naming-Day of month	Categ
12	R12DY	R12DY:W12 Cognition Date naming-Day of month	Categ
13	R13DY	R13DY:W13 Cognition Date naming-Day of month	Categ
2	S2DY	S2DY:W2 Cognition Date naming-Day of month	Categ

3	S3DY	S3DY:W3 Cognition Date naming-Day of month	Categ
4	S4DY	S4DY:W4 Cognition Date naming-Day of month	Categ
5	S5DY	S5DY:W5 Cognition Date naming-Day of month	Categ
6	S6DY	S6DY:W6 Cognition Date naming-Day of month	Categ
7	S7DY	S7DY:W7 Cognition Date naming-Day of month	Categ
8	S8DY	S8DY:W8 Cognition Date naming-Day of month	Categ
9	S9DY	S9DY:W9 Cognition Date naming-Day of month	Categ
10	S10DY	S10DY:W10 Cognition Date naming-Day of month	Categ
11	S11DY	S11DY:W11 Cognition Date naming-Day of month	Categ
12	S12DY	S12DY:W12 Cognition Date naming-Day of month	Categ
13	S13DY	S13DY:W13 Cognition Date naming-Day of month	Categ
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4	R4FDY	R4FDY: W4 IMPFLAG: DATE: DAY OF MONTH	Categ
5	R5FDY	R5FDY: W5 IMPFLAG: DATE: DAY OF MONTH	Categ
6	R6FDY	R6FDY: W6 IMPFLAG: DATE: DAY OF MONTH	Categ
7	R7FDY	R7FDY: W7 IMPFLAG: DATE: DAY OF MONTH	Categ
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9	S9FDY	S9FDY: W9 IMPFLAG: DATE: DAY OF MONTH	Categ
10	S10FDY	S10FDY: W10 IMPFLAG: DATE: DAY OF MONTH	Categ
11	S11FDY	S11FDY: W11 IMPFLAG: DATE: DAY OF MONTH	Categ
12	S12FDY	S12FDY: W12 IMPFLAG: DATE: DAY OF MONTH	Categ
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9	R9FDW	R9FDW: W9 IMPFLAG: DATE: DAY OF WEEK	Categ
10	R10FDW	R10FDW: W10 IMPFLAG: DATE: DAY OF WEEK	Categ
11	R11FDW	R11FDW: W11 IMPFLAG: DATE: DAY OF WEEK	Categ
12	R12FDW	R12FDW: W12 IMPFLAG: DATE: DAY OF WEEK	Categ
13	R13FDW	R13FDW: W13 IMPFLAG: DATE: DAY OF WEEK	Categ
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3	S3FDW	S3FDW: W3 IMPFLAG: DATE: DAY OF WEEK	Categ
4	S4FDW	S4FDW: W4 IMPFLAG: DATE: DAY OF WEEK	Categ
5	S5FDW	S5FDW: W5 IMPFLAG: DATE: DAY OF WEEK	Categ
6	S6FDW	S6FDW: W6 IMPFLAG: DATE: DAY OF WEEK	Categ
7	S7FDW	S7FDW: W7 IMPFLAG: DATE: DAY OF WEEK	Categ
8	S8FDW	S8FDW: W8 IMPFLAG: DATE: DAY OF WEEK	Categ
9	S9FDW	S9FDW: W9 IMPFLAG: DATE: DAY OF WEEK	Categ
10	S10FDW	S10FDW: W10 IMPFLAG: DATE: DAY OF WEEK	Categ
11	S11FDW	S11FDW: W11 IMPFLAG: DATE: DAY OF WEEK	Categ
12	S12FDW	S12FDW: W12 IMPFLAG: DATE: DAY OF WEEK	Categ
13	S13FDW	S13FDW: W13 IMPFLAG: DATE: DAY OF WEEK	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2MO	7382	0.95	0.21	0.0	1.0
R3MO	16351	0.97	0.16	0.0	1.0
R4MO	12330	0.97	0.16	0.0	1.0
R5MO	9503	0.97	0.17	0.0	1.0
R6MO	9611	0.96	0.19	0.0	1.0
R7MO	13083	0.97	0.18	0.0	1.0
R8MO	10517	0.96	0.21	0.0	1.0
R9MO	10518	0.96	0.20	0.0	1.0
R10MO	16031	0.97	0.18	0.0	1.0
R11MO	10250	0.95	0.22	0.0	1.0
R12MO	9692	0.95	0.22	0.0	1.0
R13MO	13700	0.96	0.20	0.0	1.0
S2MO	3866	0.96	0.19	0.0	1.0
S3MO	10806	0.98	0.15	0.0	1.0
S4MO	7481	0.98	0.15	0.0	1.0
S5MO	5424	0.97	0.16	0.0	1.0
S6MO	5499	0.97	0.17	0.0	1.0
S7MO	7935	0.97	0.16	0.0	1.0
S8MO	6071	0.96	0.19	0.0	1.0
S9MO	6039	0.96	0.19	0.0	1.0
S10MO	9477	0.97	0.17	0.0	1.0
S11MO	5923	0.96	0.20	0.0	1.0
S12MO	5342	0.96	0.20	0.0	1.0
S13MO	7293	0.96	0.19	0.0	1.0
R2FMO	7382	0.00	0.06	0.0	1.0
R3FMO	16351	0.00	0.03	0.0	1.0
R4FMO	19341	0.73	0.96	0.0	2.0
R5FMO	17516	0.92	1.00	0.0	2.0
R6FMO	16129	0.81	0.98	0.0	2.0
R7FMO	18327	0.57	0.90	0.0	2.0
R8FMO	17209	0.78	0.97	0.0	2.0
R9FMO	16077	0.69	0.95	0.0	2.0
R10FMO	20652	0.45	0.83	0.0	2.0
R11FMO	19407	0.94	1.00	0.0	2.0
R12FMO	17698	0.91	1.00	0.0	2.0
R13FMO	19971	0.63	0.93	0.0	2.0
S2FMO	3866	0.00	0.06	0.0	1.0
S3FMO	10806	0.00	0.03	0.0	1.0
S4FMO	12573	0.81	0.98	0.0	2.0
S5FMO	11320	1.04	1.00	0.0	2.0
S6FMO	10280	0.93	1.00	0.0	2.0
S7FMO	11769	0.65	0.94	0.0	2.0
S8FMO	10943	0.89	0.99	0.0	2.0
S9FMO	9989	0.79	0.98	0.0	2.0
S10FMO	12696	0.51	0.87	0.0	2.0
S11FMO	11838	1.00	1.00	0.0	2.0
S12FMO	10423	0.98	1.00	0.0	2.0
S13FMO	11253	0.70	0.96	0.0	2.0
R2DY	7382	0.79	0.41	0.0	1.0
R3DY	16351	0.83	0.37	0.0	1.0
R4DY	12330	0.83	0.38	0.0	1.0
R5DY	9503	0.82	0.38	0.0	1.0

R6DY	9611	0.83	0.37	0.0	1.0
R7DY	13083	0.83	0.38	0.0	1.0
R8DY	10517	0.80	0.40	0.0	1.0
R9DY	10518	0.81	0.39	0.0	1.0
R10DY	16031	0.81	0.39	0.0	1.0
R11DY	10250	0.78	0.42	0.0	1.0
R12DY	9692	0.78	0.41	0.0	1.0
R13DY	13700	0.81	0.39	0.0	1.0
S2DY	3866	0.82	0.39	0.0	1.0
S3DY	10806	0.85	0.36	0.0	1.0
S4DY	7481	0.84	0.37	0.0	1.0
S5DY	5424	0.84	0.37	0.0	1.0
S6DY	5499	0.85	0.36	0.0	1.0
S7DY	7935	0.84	0.36	0.0	1.0
S8DY	6071	0.81	0.39	0.0	1.0
S9DY	6039	0.82	0.38	0.0	1.0
S10DY	9477	0.82	0.38	0.0	1.0
S11DY	5923	0.79	0.41	0.0	1.0
S12DY	5342	0.79	0.41	0.0	1.0
S13DY	7293	0.81	0.39	0.0	1.0
R2FDY	7382	0.00	0.06	0.0	1.0
R3FDY	16351	0.00	0.02	0.0	1.0
R4FDY	19341	0.73	0.96	0.0	2.0
R5FDY	17516	0.92	1.00	0.0	2.0
R6FDY	16129	0.81	0.98	0.0	2.0
R7FDY	18327	0.57	0.90	0.0	2.0
R8FDY	17209	0.78	0.97	0.0	2.0
R9FDY	16077	0.69	0.95	0.0	2.0
R10FDY	20652	0.45	0.83	0.0	2.0
R11FDY	19407	0.94	1.00	0.0	2.0
R12FDY	17698	0.91	1.00	0.0	2.0
R13FDY	19971	0.63	0.93	0.0	2.0
S2FDY	3866	0.00	0.05	0.0	1.0
S3FDY	10806	0.00	0.02	0.0	1.0
S4FDY	12573	0.81	0.98	0.0	2.0
S5FDY	11320	1.04	1.00	0.0	2.0
S6FDY	10280	0.93	1.00	0.0	2.0
S7FDY	11769	0.65	0.94	0.0	2.0
S8FDY	10943	0.89	0.99	0.0	2.0
S9FDY	9989	0.79	0.98	0.0	2.0
S10FDY	12696	0.51	0.87	0.0	2.0
S11FDY	11838	1.00	1.00	0.0	2.0
S12FDY	10423	0.98	1.00	0.0	2.0
S13FDY	11253	0.70	0.96	0.0	2.0
R2YR	7382	0.95	0.22	0.0	1.0
R3YR	16351	0.98	0.16	0.0	1.0
R4YR	12330	0.97	0.18	0.0	1.0
R5YR	9503	0.98	0.15	0.0	1.0
R6YR	9611	0.96	0.21	0.0	1.0
R7YR	13083	0.97	0.18	0.0	1.0
R8YR	10517	0.96	0.20	0.0	1.0
R9YR	10518	0.96	0.20	0.0	1.0
R10YR	16031	0.97	0.18	0.0	1.0
R11YR	10250	0.95	0.22	0.0	1.0
R12YR	9692	0.94	0.23	0.0	1.0

R13YR	13700	0.96	0.20	0.0	1.0
S2YR	3866	0.96	0.19	0.0	1.0
S3YR	10806	0.98	0.13	0.0	1.0
S4YR	7481	0.97	0.16	0.0	1.0
S5YR	5424	0.98	0.13	0.0	1.0
S6YR	5499	0.97	0.18	0.0	1.0
S7YR	7935	0.98	0.15	0.0	1.0
S8YR	6071	0.97	0.17	0.0	1.0
S9YR	6039	0.97	0.17	0.0	1.0
S10YR	9477	0.97	0.16	0.0	1.0
S11YR	5923	0.96	0.20	0.0	1.0
S12YR	5342	0.95	0.21	0.0	1.0
S13YR	7293	0.96	0.19	0.0	1.0
R2FYR	7382	0.00	0.05	0.0	1.0
R3FYR	16351	0.00	0.03	0.0	1.0
R4FYR	19341	0.73	0.96	0.0	2.0
R5FYR	17516	0.92	1.00	0.0	2.0
R6FYR	16129	0.81	0.98	0.0	2.0
R7FYR	18327	0.57	0.90	0.0	2.0
R8FYR	17209	0.78	0.97	0.0	2.0
R9FYR	16077	0.69	0.95	0.0	2.0
R10FYR	20652	0.45	0.83	0.0	2.0
R11FYR	19407	0.94	1.00	0.0	2.0
R12FYR	17698	0.91	1.00	0.0	2.0
R13FYR	19971	0.63	0.93	0.0	2.0
S2FYR	3866	0.00	0.05	0.0	1.0
S3FYR	10806	0.00	0.02	0.0	1.0
S4FYR	12573	0.81	0.98	0.0	2.0
S5FYR	11320	1.04	1.00	0.0	2.0
S6FYR	10280	0.93	1.00	0.0	2.0
S7FYR	11769	0.65	0.94	0.0	2.0
S8FYR	10943	0.89	0.99	0.0	2.0
S9FYR	9989	0.79	0.98	0.0	2.0
S10FYR	12696	0.51	0.87	0.0	2.0
S11FYR	11838	1.00	1.00	0.0	2.0
S12FYR	10423	0.98	1.00	0.0	2.0
S13FYR	11253	0.70	0.96	0.0	2.0
R2DW	7382	0.96	0.20	0.0	1.0
R3DW	16351	0.98	0.15	0.0	1.0
R4DW	12330	0.97	0.17	0.0	1.0
R5DW	9503	0.97	0.18	0.0	1.0
R6DW	9611	0.96	0.21	0.0	1.0
R7DW	13083	0.96	0.20	0.0	1.0
R8DW	10517	0.95	0.21	0.0	1.0
R9DW	10518	0.96	0.21	0.0	1.0
R10DW	16031	0.96	0.19	0.0	1.0
R11DW	10250	0.95	0.22	0.0	1.0
R12DW	9692	0.95	0.22	0.0	1.0
R13DW	13700	0.96	0.20	0.0	1.0
S2DW	3866	0.97	0.17	0.0	1.0
S3DW	10806	0.98	0.14	0.0	1.0
S4DW	7481	0.97	0.16	0.0	1.0
S5DW	5424	0.97	0.16	0.0	1.0
S6DW	5499	0.96	0.19	0.0	1.0

S7DW	7935	0.97	0.18	0.0	1.0
S8DW	6071	0.96	0.19	0.0	1.0
S9DW	6039	0.96	0.18	0.0	1.0
S10DW	9477	0.97	0.17	0.0	1.0
S11DW	5923	0.96	0.20	0.0	1.0
S12DW	5342	0.96	0.21	0.0	1.0
S13DW	7293	0.96	0.19	0.0	1.0
R2FDW	7382	0.00	0.05	0.0	1.0
R3FDW	16351	0.00	0.02	0.0	1.0
R4FDW	19341	0.73	0.96	0.0	2.0
R5FDW	17516	0.92	1.00	0.0	2.0
R6FDW	16129	0.81	0.98	0.0	2.0
R7FDW	18327	0.57	0.90	0.0	2.0
R8FDW	17209	0.78	0.97	0.0	2.0
R9FDW	16077	0.69	0.95	0.0	2.0
R10FDW	20652	0.45	0.83	0.0	2.0
R11FDW	19407	0.94	1.00	0.0	2.0
R12FDW	17698	0.91	1.00	0.0	2.0
R13FDW	19971	0.63	0.93	0.0	2.0
S2FDW	3866	0.00	0.05	0.0	1.0
S3FDW	10806	0.00	0.02	0.0	1.0
S4FDW	12573	0.81	0.98	0.0	2.0
S5FDW	11320	1.04	1.00	0.0	2.0
S6FDW	10280	0.93	1.00	0.0	2.0
S7FDW	11769	0.65	0.94	0.0	2.0
S8FDW	10943	0.89	0.99	0.0	2.0
S9FDW	9989	0.79	0.98	0.0	2.0
S10FDW	12696	0.51	0.87	0.0	2.0
S11FDW	11838	1.00	1.00	0.0	2.0
S12FDW	10423	0.98	1.00	0.0	2.0
S13FDW	11253	0.70	0.96	0.0	2.0

Categorical Variable Codes

RwMO: Cognition Date naming-Month											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|										
.N=Cog not asked (re-IW/ lt	|				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or	|		11420								
.S=Proxy IW	|		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW	|		628	545	479	350	270	248	169	153	168
0.Incorrect	|		337	419	339	285	348	450	467	447	558
1.Correct	|		7045	15932	11991	9218	9263	12633	10050	10071	15473
Value		w11	w12	w13							
.M=Oth missing	|	1									
.N=Cog not asked (re-IW/ lt	|	9157	8006	6271							
.Q=Not asked this cohort or	|										
.S=Proxy IW	|	985	919	784							
.X=NR or Proxy all IW	|	161	130	157							
0.Incorrect	|	506	493	567							
1.Correct	|	9744	9199	13133							
SwMO: Cognition Date naming-Month											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|										
.N=Cog not asked (re-IW/ lt	|				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or	|		9125								
.S=Proxy IW	|		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW	|		326	341	319	256	191	194	140	118	143
0.Incorrect	|		141	259	168	148	158	217	227	226	284
1.Correct	|		3725	10547	7313	5276	5341	7718	5844	5813	9193
Value		w11	w12	w13							
.M=Oth missing	|	1									
.N=Cog not asked (re-IW/ lt	|	5915	5081	3960							
.Q=Not asked this cohort or	|										
.S=Proxy IW	|	515	480	380							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
.X=NR or Proxy all IW	|	134	109	146							
0.Incorrect	|	249	230	263							
1.Correct	|	5674	5112	7030							

RwFMO: 3 IMPFLAG: DATE: MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Not imputed		7357	16331	12308	9485	9600	13063	10489	10500	16022
1.Imputed		25	20	22	18	11	20	28	18	9
2.NA-Not 65+, new IW, or al				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Not imputed	10235	9683	13685
1.Imputed	15	9	15
2.NA-Not 65+, new IW, or al	9157	8006	6271

SwFMO: 3 IMPFLAG: DATE: MONTH

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Not imputed		3854	10796	7467	5418	5492	7926	6054	6028	9472
1.Imputed		12	10	14	6	7	9	17	11	5
2.NA-Not 65+, new IW, or al				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Not imputed	5912	5338	7285
1.Imputed	11	4	8
2.NA-Not 65+, new IW, or al	5915	5081	3960

RwDY: Cognition Date naming-Day of month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ 1t				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Incorrect		1539	2699	2141	1700	1591	2284	2090	2027	3000
1.Correct		5843	13652	10189	7803	8020	10799	8427	8491	13031

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ 1t	9157	8006	6271
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Incorrect	2292	2109	2630
1.Correct	7958	7583	11070

SwDY: Cognition Date naming-Day of month

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ 1t				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Incorrect		703	1656	1194	879	815	1247	1131	1072	1675
1.Correct		3163	9150	6287	4545	4684	6688	4940	4967	7802

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ 1t	5915	5081	3960
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Incorrect	1255	1128	1362
1.Correct	4668	4214	5931

RwFDY: 3 IMPFLAG: DATE: DAY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Not imputed		7359	16341	12316	9495	9600	13062	10488	10500	16021
1.Imputed		23	10	14	8	11	21	29	18	10
2.NA-Not 65+, new IW, or al				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Not imputed	10234	9683	13684
1.Imputed	16	9	16
2.NA-Not 65+, new IW, or al	9157	8006	6271

SwFDY: 3 IMPFLAG: DATE: DAY

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Not imputed		3856	10801	7473	5419	5492	7925	6054	6029	9470
1.Imputed		10	5	8	5	7	10	17	10	7
2.NA-Not 65+, new IW, or al				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Not imputed	5911	5339	7284
1.Imputed	12	3	9
2.NA-Not 65+, new IW, or al	5915	5081	3960

RwYR: Cognition Date naming-Year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Incorrect		363	404	426	226	425	428	457	450	529
1.Correct		7019	15947	11904	9277	9186	12655	10060	10068	15502

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ lt	9157	8006	6271
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Incorrect	538	536	576
1.Correct	9712	9156	13124

SwYR: Cognition Date naming-Year

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Incorrect		138	199	201	98	177	180	191	175	254
1.Correct		3728	10607	7280	5326	5322	7755	5880	5864	9223

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ lt	5915	5081	3960
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Incorrect	251	242	273
1.Correct	5672	5100	7020

RwFYR: 3 IMPFLAG: DATE: YEAR

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Not imputed		7364	16340	12314	9492	9600	13062	10487	10501	16023
1.Imputed		18	11	16	11	11	21	30	17	8
2.NA-Not 65+, new IW, or al				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Not imputed	10235	9683	13684
1.Imputed	15	9	16
2.NA-Not 65+, new IW, or al	9157	8006	6271

SwFYR: 3 IMPFLAG: DATE: YEAR

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Not imputed		3858	10801	7471	5419	5492	7925	6055	6028	9472
1.Imputed		8	5	10	5	7	10	16	11	5
2.NA-Not 65+, new IW, or al				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Not imputed	5912	5339	7285
1.Imputed	11	3	8
2.NA-Not 65+, new IW, or al	5915	5081	3960

RwDW: Cognition Date naming-Day of week

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ 1t				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Incorrect		294	388	376	306	431	539	482	467	591
1.Correct		7088	15963	11954	9197	9180	12544	10035	10051	15440

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ 1t	9157	8006	6271
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Incorrect	507	502	581
1.Correct	9743	9190	13119

SwDW: Cognition Date naming-Day of week

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ 1t				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Incorrect		122	213	190	148	202	263	235	213	287
1.Correct		3744	10593	7291	5276	5297	7672	5836	5826	9190

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ 1t	5915	5081	3960
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Incorrect	248	239	266
1.Correct	5675	5103	7027

RwFDW: 3 IMPFLAG: DATE: DAY OF WEEK

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Not imputed		7367	16341	12315	9493	9600	13063	10489	10501	16020
1.Imputed		15	10	15	10	11	20	28	17	11
2.NA-Not 65+, new IW, or al				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Not imputed	10235	9683	13686
1.Imputed	15	9	14
2.NA-Not 65+, new IW, or al	9157	8006	6271

SwFDW: 3 IMPFLAG: DATE: DAY OF WEEK

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Not imputed		3858	10801	7472	5419	5492	7926	6055	6028	9470
1.Imputed		8	5	9	5	7	9	16	11	7
2.NA-Not 65+, new IW, or al				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Not imputed	5912	5339	7286
1.Imputed	11	3	7
2.NA-Not 65+, new IW, or al	5915	5081	3960

Format Reference Tables – complete variable value labels

Variables: CACT, DW, DY, MO, PRES, SCIS, VP, YR	Variables: FBWC20, FBWC86, FCACT, FDLRC, FDW, FDY, FIMRC, FMO, FPRES, FPSTME, FSCIS, FSER7, FSLFME, FVOCAB, FVP, FYR
.C=HRS-AHD overlap	.C=HRS-AHD overlap
.M=Oth missing	.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)	.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv	.Q=Not asked this cohort or wv
.S=Proxy IW	.S=Proxy IW
.U=Unmarried	.U=Unmarried
.V=Spouse NR	.V=Spouse NR
.X=NR or Proxy all IW	.X=NR or Proxy all IW
0.Incorrect	0.Not imputed
1.Correct	1.Imputed
	2.NA-Not 65+, new IW, or alt wv

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwDY, RwMO, RwYR, and RwDW indicate whether the Respondent was able to report today's date correctly, including the day of month, month, year, and day of week, respectively.

Each of these variables is coded "1" for a correct answer and "0" for an incorrect answer. From Wave 4 forward the question is only asked of new interviewees and re-interviewees who are 65 or older. If the question was skipped because the Respondent is younger than 65, then special missing value .N is assigned.

RwFDY, RwFMO, RwFYR, and RwFDW indicate whether the values were imputed (=1) or not (=0). They have a value of "2" if the question was skipped because the Respondent is a re-interviewee younger than 65.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2 date naming variables are set to special missing .Q to indicate that they are missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw date naming variables were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

This question was not asked in Waves 1 and 2H. From Wave 4 forward, it is only asked of new interviewees and re-interviewees who are 65 or older.

Imputed Cognition: Object Naming

Wave	Variable	Label	Type
2	R2SCIS	R2SCIS: W2 SCISSORS	Categ
3	R3SCIS	R3SCIS: W3 SCISSORS	Categ
4	R4SCIS	R4SCIS: W4 SCISSORS	Categ
5	R5SCIS	R5SCIS: W5 SCISSORS	Categ
6	R6SCIS	R6SCIS: W6 SCISSORS	Categ
7	R7SCIS	R7SCIS: W7 SCISSORS	Categ
8	R8SCIS	R8SCIS: W8 SCISSORS	Categ
9	R9SCIS	R9SCIS: W9 SCISSORS	Categ
10	R10SCIS	R10SCIS: W10 SCISSORS	Categ
11	R11SCIS	R11SCIS: W11 SCISSORS	Categ
12	R12SCIS	R12SCIS: W12 SCISSORS	Categ
13	R13SCIS	R13SCIS: W13 SCISSORS	Categ
2	S2SCIS	S2SCIS: W2 SCISSORS	Categ
3	S3SCIS	S3SCIS: W3 SCISSORS	Categ
4	S4SCIS	S4SCIS: W4 SCISSORS	Categ
5	S5SCIS	S5SCIS: W5 SCISSORS	Categ
6	S6SCIS	S6SCIS: W6 SCISSORS	Categ
7	S7SCIS	S7SCIS: W7 SCISSORS	Categ
8	S8SCIS	S8SCIS: W8 SCISSORS	Categ
9	S9SCIS	S9SCIS: W9 SCISSORS	Categ
10	S10SCIS	S10SCIS: W10 SCISSORS	Categ
11	S11SCIS	S11SCIS: W11 SCISSORS	Categ
12	S12SCIS	S12SCIS: W12 SCISSORS	Categ
13	S13SCIS	S13SCIS: W13 SCISSORS	Categ
2	R2FSCIS	R2FSCIS: W2 IMPFLAG: SCISSORS	Categ
3	R3FSCIS	R3FSCIS: W3 IMPFLAG: SCISSORS	Categ
4	R4FSCIS	R4FSCIS: W4 IMPFLAG: SCISSORS	Categ
5	R5FSCIS	R5FSCIS: W5 IMPFLAG: SCISSORS	Categ
6	R6FSCIS	R6FSCIS: W6 IMPFLAG: SCISSORS	Categ
7	R7FSCIS	R7FSCIS: W7 IMPFLAG: SCISSORS	Categ
8	R8FSCIS	R8FSCIS: W8 IMPFLAG: SCISSORS	Categ
9	R9FSCIS	R9FSCIS: W9 IMPFLAG: SCISSORS	Categ
10	R10FSCIS	R10FSCIS: W10 IMPFLAG: SCISSORS	Categ
11	R11FSCIS	R11FSCIS: W11 IMPFLAG: SCISSORS	Categ
12	R12FSCIS	R12FSCIS: W12 IMPFLAG: SCISSORS	Categ
13	R13FSCIS	R13FSCIS: W13 IMPFLAG: SCISSORS	Categ
2	S2FSCIS	S2FSCIS: W2 IMPFLAG: SCISSORS	Categ
3	S3FSCIS	S3FSCIS: W3 IMPFLAG: SCISSORS	Categ
4	S4FSCIS	S4FSCIS: W4 IMPFLAG: SCISSORS	Categ
5	S5FSCIS	S5FSCIS: W5 IMPFLAG: SCISSORS	Categ
6	S6FSCIS	S6FSCIS: W6 IMPFLAG: SCISSORS	Categ
7	S7FSCIS	S7FSCIS: W7 IMPFLAG: SCISSORS	Categ
8	S8FSCIS	S8FSCIS: W8 IMPFLAG: SCISSORS	Categ
9	S9FSCIS	S9FSCIS: W9 IMPFLAG: SCISSORS	Categ
10	S10FSCIS	S10FSCIS: W10 IMPFLAG: SCISSORS	Categ
11	S11FSCIS	S11FSCIS: W11 IMPFLAG: SCISSORS	Categ
12	S12FSCIS	S12FSCIS: W12 IMPFLAG: SCISSORS	Categ
13	S13FSCIS	S13FSCIS: W13 IMPFLAG: SCISSORS	Categ
2	R2CACT	R2CACT: W2 CACTUS	Categ
3	R3CACT	R3CACT: W3 CACTUS	Categ
4	R4CACT	R4CACT: W4 CACTUS	Categ
5	R5CACT	R5CACT: W5 CACTUS	Categ
6	R6CACT	R6CACT: W6 CACTUS	Categ
7	R7CACT	R7CACT: W7 CACTUS	Categ
8	R8CACT	R8CACT: W8 CACTUS	Categ
9	R9CACT	R9CACT: W9 CACTUS	Categ
10	R10CACT	R10CACT: W10 CACTUS	Categ
11	R11CACT	R11CACT: W11 CACTUS	Categ
12	R12CACT	R12CACT: W12 CACTUS	Categ
13	R13CACT	R13CACT: W13 CACTUS	Categ
2	S2CACT	S2CACT: W2 CACTUS	Categ

3	S3CACT	S3CACT: W3 CACTUS	Categ
4	S4CACT	S4CACT: W4 CACTUS	Categ
5	S5CACT	S5CACT: W5 CACTUS	Categ
6	S6CACT	S6CACT: W6 CACTUS	Categ
7	S7CACT	S7CACT: W7 CACTUS	Categ
8	S8CACT	S8CACT: W8 CACTUS	Categ
9	S9CACT	S9CACT: W9 CACTUS	Categ
10	S10CACT	S10CACT: W10 CACTUS	Categ
11	S11CACT	S11CACT: W11 CACTUS	Categ
12	S12CACT	S12CACT: W12 CACTUS	Categ
13	S13CACT	S13CACT: W13 CACTUS	Categ
2	R2FCACT	R2FCACT: W2 IMPFLAG: CACTUS	Categ
3	R3FCACT	R3FCACT: W3 IMPFLAG: CACTUS	Categ
4	R4FCACT	R4FCACT: W4 IMPFLAG: CACTUS	Categ
5	R5FCACT	R5FCACT: W5 IMPFLAG: CACTUS	Categ
6	R6FCACT	R6FCACT: W6 IMPFLAG: CACTUS	Categ
7	R7FCACT	R7FCACT: W7 IMPFLAG: CACTUS	Categ
8	R8FCACT	R8FCACT: W8 IMPFLAG: CACTUS	Categ
9	R9FCACT	R9FCACT: W9 IMPFLAG: CACTUS	Categ
10	R10FCACT	R10FCACT: W10 IMPFLAG: CACTUS	Categ
11	R11FCACT	R11FCACT: W11 IMPFLAG: CACTUS	Categ
12	R12FCACT	R12FCACT: W12 IMPFLAG: CACTUS	Categ
13	R13FCACT	R13FCACT: W13 IMPFLAG: CACTUS	Categ
2	S2FCACT	S2FCACT: W2 IMPFLAG: CACTUS	Categ
3	S3FCACT	S3FCACT: W3 IMPFLAG: CACTUS	Categ
4	S4FCACT	S4FCACT: W4 IMPFLAG: CACTUS	Categ
5	S5FCACT	S5FCACT: W5 IMPFLAG: CACTUS	Categ
6	S6FCACT	S6FCACT: W6 IMPFLAG: CACTUS	Categ
7	S7FCACT	S7FCACT: W7 IMPFLAG: CACTUS	Categ
8	S8FCACT	S8FCACT: W8 IMPFLAG: CACTUS	Categ
9	S9FCACT	S9FCACT: W9 IMPFLAG: CACTUS	Categ
10	S10FCACT	S10FCACT: W10 IMPFLAG: CACTUS	Categ
11	S11FCACT	S11FCACT: W11 IMPFLAG: CACTUS	Categ
12	S12FCACT	S12FCACT: W12 IMPFLAG: CACTUS	Categ
13	S13FCACT	S13FCACT: W13 IMPFLAG: CACTUS	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SCIS	7382	0.99	0.11	0.0	1.0
R3SCIS	16351	0.99	0.11	0.0	1.0
R4SCIS	12330	0.99	0.10	0.0	1.0
R5SCIS	9503	0.99	0.09	0.0	1.0
R6SCIS	9611	0.99	0.10	0.0	1.0
R7SCIS	13083	0.99	0.10	0.0	1.0
R8SCIS	10517	0.99	0.11	0.0	1.0
R9SCIS	10518	0.99	0.11	0.0	1.0
R10SCIS	16031	0.98	0.12	0.0	1.0
R11SCIS	10250	0.98	0.12	0.0	1.0
R12SCIS	9692	0.98	0.13	0.0	1.0
R13SCIS	13700	0.99	0.12	0.0	1.0
S2SCIS	3866	0.99	0.09	0.0	1.0
S3SCIS	10806	0.99	0.10	0.0	1.0
S4SCIS	7481	0.99	0.09	0.0	1.0
S5SCIS	5424	0.99	0.09	0.0	1.0
S6SCIS	5499	0.99	0.10	0.0	1.0
S7SCIS	7935	0.99	0.09	0.0	1.0
S8SCIS	6071	0.99	0.10	0.0	1.0
S9SCIS	6039	0.99	0.11	0.0	1.0

S10SCIS	9477	0.99	0.12	0.0	1.0
S11SCIS	5923	0.99	0.12	0.0	1.0
S12SCIS	5342	0.98	0.13	0.0	1.0
S13SCIS	7293	0.99	0.11	0.0	1.0
R2FSCIS	7382	0.00	0.06	0.0	1.0
R3FSCIS	16351	0.00	0.04	0.0	1.0
R4FSCIS	19341	0.73	0.96	0.0	2.0
R5FSCIS	17516	0.92	1.00	0.0	2.0
R6FSCIS	16129	0.81	0.98	0.0	2.0
R7FSCIS	18327	0.57	0.90	0.0	2.0
R8FSCIS	17209	0.78	0.97	0.0	2.0
R9FSCIS	16077	0.69	0.95	0.0	2.0
R10FSCIS	20652	0.45	0.83	0.0	2.0
R11FSCIS	19407	0.94	1.00	0.0	2.0
R12FSCIS	17698	0.91	1.00	0.0	2.0
R13FSCIS	19971	0.63	0.93	0.0	2.0
S2FSCIS	3866	0.00	0.05	0.0	1.0
S3FSCIS	10806	0.00	0.04	0.0	1.0
S4FSCIS	12573	0.81	0.98	0.0	2.0
S5FSCIS	11320	1.04	1.00	0.0	2.0
S6FSCIS	10280	0.93	1.00	0.0	2.0
S7FSCIS	11769	0.65	0.94	0.0	2.0
S8FSCIS	10943	0.89	0.99	0.0	2.0
S9FSCIS	9989	0.79	0.98	0.0	2.0
S10FSCIS	12696	0.51	0.87	0.0	2.0
S11FSCIS	11838	1.00	1.00	0.0	2.0
S12FSCIS	10423	0.98	1.00	0.0	2.0
S13FSCIS	11253	0.70	0.96	0.0	2.0
R2CACT	7382	0.83	0.37	0.0	1.0
R3CACT	16351	0.89	0.31	0.0	1.0
R4CACT	12330	0.90	0.29	0.0	1.0
R5CACT	9503	0.90	0.30	0.0	1.0
R6CACT	9611	0.90	0.29	0.0	1.0
R7CACT	13083	0.91	0.28	0.0	1.0
R8CACT	10517	0.90	0.30	0.0	1.0
R9CACT	10518	0.90	0.29	0.0	1.0
R10CACT	16031	0.91	0.28	0.0	1.0
R11CACT	10250	0.92	0.28	0.0	1.0
R12CACT	9692	0.91	0.28	0.0	1.0
R13CACT	13700	0.92	0.27	0.0	1.0
S2CACT	3866	0.88	0.32	0.0	1.0
S3CACT	10806	0.92	0.27	0.0	1.0
S4CACT	7481	0.94	0.24	0.0	1.0
S5CACT	5424	0.93	0.25	0.0	1.0
S6CACT	5499	0.93	0.25	0.0	1.0
S7CACT	7935	0.94	0.24	0.0	1.0
S8CACT	6071	0.93	0.25	0.0	1.0
S9CACT	6039	0.93	0.26	0.0	1.0
S10CACT	9477	0.93	0.25	0.0	1.0
S11CACT	5923	0.94	0.24	0.0	1.0
S12CACT	5342	0.93	0.25	0.0	1.0
S13CACT	7293	0.94	0.24	0.0	1.0
R2FCACT	7382	0.00	0.06	0.0	1.0
R3FCACT	16351	0.00	0.04	0.0	1.0

SwSCIS: 3 SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Incorrect		32	120	62	40	56	63	67	69	132
1.Correct		3834	10686	7419	5384	5443	7872	6004	5970	9345

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ lt	5915	5081	3960
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Incorrect	84	86	94
1.Correct	5839	5256	7199

RwFSCIS: 3 IMPFLAG: SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Not imputed		7356	16319	12308	9479	9601	13067	10490	10499	16023
1.Imputed		26	32	22	24	10	16	27	19	8
2.NA-Not 65+, new IW, or al				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Not imputed	10238	9682	13680
1.Imputed	12	10	20
2.NA-Not 65+, new IW, or al	9157	8006	6271

SwFSCIS: 3 IMPFLAG: SCISSORS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Not imputed		3856	10788	7467	5416	5494	7928	6057	6027	9472
1.Imputed		10	18	14	8	5	7	14	12	5
2.NA=Not 65+, new IW, or al				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Not imputed	5914	5339	7286
1.Imputed	9	3	7
2.NA=Not 65+, new IW, or al	5915	5081	3960

RwCACT: 3 CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Incorrect		1238	1735	1183	944	922	1122	1024	1003	1370
1.Correct		6144	14616	11147	8559	8689	11961	9493	9515	14661

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ lt	9157	8006	6271
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Incorrect	846	832	1093
1.Correct	9404	8860	12607

SwCACT: 3 CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing				5092	5896	4781	3834	4872	3950	3219
.N=Cog not asked (re-IW/ lt		9125								
.Q=Not asked this cohort or			770	1088	1154	1168	1009	652	539	674
.S=Proxy IW		157								
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Incorrect		451	847	475	378	380	490	422	432	643
1.Correct		3415	9959	7006	5046	5119	7445	5649	5607	8834

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ lt	5915	5081	3960
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Incorrect	362	351	444
1.Correct	5561	4991	6849

RwFCACT: 3 IMPFLAG: CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Not imputed		7351	16322	12306	9478	9599	13067	10490	10497	16018
1.Imputed		31	29	24	25	12	16	27	21	13
2.NA-Not 65+, new IW, or al				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Not imputed	10234	9679	13678
1.Imputed	16	13	22
2.NA-Not 65+, new IW, or al	9157	8006	6271

SwFCACT: 3 IMPFLAG: CACTUS

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Not imputed		3852	10790	7466	5416	5494	7928	6057	6027	9469
1.Imputed		14	16	15	8	5	7	14	12	8
2.NA-Not 65+, new IW, or al				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Not imputed	5913	5335	7285
1.Imputed	10	7	8
2.NA-Not 65+, new IW, or al	5915	5081	3960

Format Reference Tables – complete variable value labels

Variables: CACT, DW, DY, MO, PRES, SCIS, VP, YR

Variables: FBWC20, FBWC86, FCACT, FDLRC, FDW, FDY, FIMRC, FMO, FPRES, FPSTIME, FSCIS, FSER7, FSLFME, FVOCAB, FVP, FYR

.C=HRS-AHD overlap	.C=HRS-AHD overlap
.M=Oth missing	.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)	.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv	.Q=Not asked this cohort or wv
.S=Proxy IW	.S=Proxy IW
.U=Unmarried	.U=Unmarried
.V=Spouse NR	.V=Spouse NR
.X=NR or Proxy all IW	.X=NR or Proxy all IW
0.Incorrect	0.Not imputed
1.Correct	1.Imputed
	2.NA-Not 65+, new IW, or alt wv

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwCACT and RwSCIS indicate whether the Respondent was able to correctly name these objects, cactus and scissors, respectively, based on a verbal description. For RwSCIS the description was: "What do you usually use to cut paper?" and for RwCACT it was,

"What do you call the kind of prickly plant that grows in the desert?"

Each of these variables is code "1" for a correct answer and "0" for an incorrect answer. From Wave 4 forward these questions are only asked of new interviewees and re-interviewees who are 65 or older. If not asked because the Respondent is younger than 65, the Rw variables are set to special missing .N.

RwFCACT and RwFSCIS indicate whether the values were imputed (=1) or not (=0). They have a value of 2 if the question was skipped because the Respondent is a re-interviewee younger than 65.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2 object naming variables are set to special missing .Q to indicate that they are missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw object naming variables were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

These questions were not asked in Waves 1 and 2H. From Wave 4 forward, they are only asked of new interviewees and re-interviewees who are 65 or older.

Imputed Cognition: President/Vice-President Naming

Wave	Variable	Label	Type
2	R2PRES	R2PRES: W2 PRESIDENT	Categ
3	R3PRES	R3PRES: W3 PRESIDENT	Categ
4	R4PRES	R4PRES: W4 PRESIDENT	Categ
5	R5PRES	R5PRES: W5 PRESIDENT	Categ
6	R6PRES	R6PRES: W6 PRESIDENT	Categ
7	R7PRES	R7PRES: W7 PRESIDENT	Categ
8	R8PRES	R8PRES: W8 PRESIDENT	Categ
9	R9PRES	R9PRES: W9 PRESIDENT	Categ
10	R10PRES	R10PRES: W10 PRESIDENT	Categ
11	R11PRES	R11PRES: W11 PRESIDENT	Categ
12	R12PRES	R12PRES: W12 PRESIDENT	Categ
13	R13PRES	R13PRES: W13 PRESIDENT	Categ
2	S2PRES	S2PRES: W2 PRESIDENT	Categ
3	S3PRES	S3PRES: W3 PRESIDENT	Categ
4	S4PRES	S4PRES: W4 PRESIDENT	Categ
5	S5PRES	S5PRES: W5 PRESIDENT	Categ
6	S6PRES	S6PRES: W6 PRESIDENT	Categ
7	S7PRES	S7PRES: W7 PRESIDENT	Categ
8	S8PRES	S8PRES: W8 PRESIDENT	Categ
9	S9PRES	S9PRES: W9 PRESIDENT	Categ
10	S10PRES	S10PRES: W10 PRESIDENT	Categ
11	S11PRES	S11PRES: W11 PRESIDENT	Categ
12	S12PRES	S12PRES: W12 PRESIDENT	Categ
13	S13PRES	S13PRES: W13 PRESIDENT	Categ
2	R2FPRES	R2FPRES: W2 IMPFLAG: PRESIDENT	Categ
3	R3FPRES	R3FPRES: W3 IMPFLAG: PRESIDENT	Categ
4	R4FPRES	R4FPRES: W4 IMPFLAG: PRESIDENT	Categ
5	R5FPRES	R5FPRES: W5 IMPFLAG: PRESIDENT	Categ
6	R6FPRES	R6FPRES: W6 IMPFLAG: PRESIDENT	Categ
7	R7FPRES	R7FPRES: W7 IMPFLAG: PRESIDENT	Categ
8	R8FPRES	R8FPRES: W8 IMPFLAG: PRESIDENT	Categ
9	R9FPRES	R9FPRES: W9 IMPFLAG: PRESIDENT	Categ
10	R10FPRES	R10FPRES: W10 IMPFLAG: PRESIDENT	Categ
11	R11FPRES	R11FPRES: W11 IMPFLAG: PRESIDENT	Categ
12	R12FPRES	R12FPRES: W12 IMPFLAG: PRESIDENT	Categ
13	R13FPRES	R13FPRES: W13 IMPFLAG: PRESIDENT	Categ
2	S2FPRES	S2FPRES: W2 IMPFLAG: PRESIDENT	Categ
3	S3FPRES	S3FPRES: W3 IMPFLAG: PRESIDENT	Categ
4	S4FPRES	S4FPRES: W4 IMPFLAG: PRESIDENT	Categ
5	S5FPRES	S5FPRES: W5 IMPFLAG: PRESIDENT	Categ
6	S6FPRES	S6FPRES: W6 IMPFLAG: PRESIDENT	Categ
7	S7FPRES	S7FPRES: W7 IMPFLAG: PRESIDENT	Categ
8	S8FPRES	S8FPRES: W8 IMPFLAG: PRESIDENT	Categ
9	S9FPRES	S9FPRES: W9 IMPFLAG: PRESIDENT	Categ
10	S10FPRES	S10FPRES: W10 IMPFLAG: PRESIDENT	Categ
11	S11FPRES	S11FPRES: W11 IMPFLAG: PRESIDENT	Categ
12	S12FPRES	S12FPRES: W12 IMPFLAG: PRESIDENT	Categ
13	S13FPRES	S13FPRES: W13 IMPFLAG: PRESIDENT	Categ
2	R2VP	R2VP: W2 VICE PRESIDENT	Categ
3	R3VP	R3VP: W3 VICE PRESIDENT	Categ
4	R4VP	R4VP: W4 VICE PRESIDENT	Categ
5	R5VP	R5VP: W5 VICE PRESIDENT	Categ
6	R6VP	R6VP: W6 VICE PRESIDENT	Categ
7	R7VP	R7VP: W7 VICE PRESIDENT	Categ
8	R8VP	R8VP: W8 VICE PRESIDENT	Categ
9	R9VP	R9VP: W9 VICE PRESIDENT	Categ
10	R10VP	R10VP: W10 VICE PRESIDENT	Categ
11	R11VP	R11VP: W11 VICE PRESIDENT	Categ
12	R12VP	R12VP: W12 VICE PRESIDENT	Categ
13	R13VP	R13VP: W13 VICE PRESIDENT	Categ
2	S2VP	S2VP: W2 VICE PRESIDENT	Categ

3	S3VP	S3VP: W3 VICE PRESIDENT	Categ
4	S4VP	S4VP: W4 VICE PRESIDENT	Categ
5	S5VP	S5VP: W5 VICE PRESIDENT	Categ
6	S6VP	S6VP: W6 VICE PRESIDENT	Categ
7	S7VP	S7VP: W7 VICE PRESIDENT	Categ
8	S8VP	S8VP: W8 VICE PRESIDENT	Categ
9	S9VP	S9VP: W9 VICE PRESIDENT	Categ
10	S10VP	S10VP: W10 VICE PRESIDENT	Categ
11	S11VP	S11VP: W11 VICE PRESIDENT	Categ
12	S12VP	S12VP: W12 VICE PRESIDENT	Categ
13	S13VP	S13VP: W13 VICE PRESIDENT	Categ
2	R2FVP	R2FVP: W2 IMPFLAG: VICE PRESIDENT	Categ
3	R3FVP	R3FVP: W3 IMPFLAG: VICE PRESIDENT	Categ
4	R4FVP	R4FVP: W4 IMPFLAG: VICE PRESIDENT	Categ
5	R5FVP	R5FVP: W5 IMPFLAG: VICE PRESIDENT	Categ
6	R6FVP	R6FVP: W6 IMPFLAG: VICE PRESIDENT	Categ
7	R7FVP	R7FVP: W7 IMPFLAG: VICE PRESIDENT	Categ
8	R8FVP	R8FVP: W8 IMPFLAG: VICE PRESIDENT	Categ
9	R9FVP	R9FVP: W9 IMPFLAG: VICE PRESIDENT	Categ
10	R10FVP	R10FVP: W10 IMPFLAG: VICE PRESIDENT	Categ
11	R11FVP	R11FVP: W11 IMPFLAG: VICE PRESIDENT	Categ
12	R12FVP	R12FVP: W12 IMPFLAG: VICE PRESIDENT	Categ
13	R13FVP	R13FVP: W13 IMPFLAG: VICE PRESIDENT	Categ
2	S2FVP	S2FVP: W2 IMPFLAG: VICE PRESIDENT	Categ
3	S3FVP	S3FVP: W3 IMPFLAG: VICE PRESIDENT	Categ
4	S4FVP	S4FVP: W4 IMPFLAG: VICE PRESIDENT	Categ
5	S5FVP	S5FVP: W5 IMPFLAG: VICE PRESIDENT	Categ
6	S6FVP	S6FVP: W6 IMPFLAG: VICE PRESIDENT	Categ
7	S7FVP	S7FVP: W7 IMPFLAG: VICE PRESIDENT	Categ
8	S8FVP	S8FVP: W8 IMPFLAG: VICE PRESIDENT	Categ
9	S9FVP	S9FVP: W9 IMPFLAG: VICE PRESIDENT	Categ
10	S10FVP	S10FVP: W10 IMPFLAG: VICE PRESIDENT	Categ
11	S11FVP	S11FVP: W11 IMPFLAG: VICE PRESIDENT	Categ
12	S12FVP	S12FVP: W12 IMPFLAG: VICE PRESIDENT	Categ
13	S13FVP	S13FVP: W13 IMPFLAG: VICE PRESIDENT	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PRES	7382	0.90	0.29	0.0	1.0
R3PRES	16351	0.94	0.24	0.0	1.0
R4PRES	12330	0.96	0.20	0.0	1.0
R5PRES	9503	0.95	0.22	0.0	1.0
R6PRES	9611	0.96	0.20	0.0	1.0
R7PRES	13083	0.97	0.17	0.0	1.0
R8PRES	10517	0.97	0.18	0.0	1.0
R9PRES	10518	0.96	0.19	0.0	1.0
R10PRES	16031	0.97	0.18	0.0	1.0
R11PRES	10250	0.96	0.19	0.0	1.0
R12PRES	9692	0.96	0.19	0.0	1.0
R13PRES	13700	0.97	0.17	0.0	1.0
S2PRES	3866	0.93	0.25	0.0	1.0
S3PRES	10806	0.95	0.21	0.0	1.0
S4PRES	7481	0.97	0.17	0.0	1.0
S5PRES	5424	0.97	0.18	0.0	1.0
S6PRES	5499	0.97	0.17	0.0	1.0
S7PRES	7935	0.98	0.13	0.0	1.0
S8PRES	6071	0.98	0.15	0.0	1.0
S9PRES	6039	0.98	0.15	0.0	1.0

S10PRES	9477	0.98	0.15	0.0	1.0
S11PRES	5923	0.97	0.16	0.0	1.0
S12PRES	5342	0.97	0.16	0.0	1.0
S13PRES	7293	0.98	0.14	0.0	1.0
R2FPRES	7382	0.00	0.06	0.0	1.0
R3FPRES	16351	0.00	0.04	0.0	1.0
R4FPRES	19341	0.73	0.96	0.0	2.0
R5FPRES	17516	0.92	1.00	0.0	2.0
R6FPRES	16129	0.81	0.98	0.0	2.0
R7FPRES	18327	0.57	0.90	0.0	2.0
R8FPRES	17209	0.78	0.97	0.0	2.0
R9FPRES	16077	0.69	0.95	0.0	2.0
R10FPRES	20652	0.45	0.83	0.0	2.0
R11FPRES	19407	0.94	1.00	0.0	2.0
R12FPRES	17698	0.91	1.00	0.0	2.0
R13FPRES	19971	0.63	0.93	0.0	2.0
S2FPRES	3866	0.00	0.06	0.0	1.0
S3FPRES	10806	0.00	0.04	0.0	1.0
S4FPRES	12573	0.81	0.98	0.0	2.0
S5FPRES	11320	1.04	1.00	0.0	2.0
S6FPRES	10280	0.93	1.00	0.0	2.0
S7FPRES	11769	0.65	0.94	0.0	2.0
S8FPRES	10943	0.89	0.99	0.0	2.0
S9FPRES	9989	0.79	0.98	0.0	2.0
S10FPRES	12696	0.51	0.87	0.0	2.0
S11FPRES	11838	1.00	1.00	0.0	2.0
S12FPRES	10423	0.98	1.00	0.0	2.0
S13FPRES	11253	0.70	0.95	0.0	2.0
R2VP	7382	0.72	0.45	0.0	1.0
R3VP	16351	0.71	0.45	0.0	1.0
R4VP	12330	0.84	0.37	0.0	1.0
R5VP	9503	0.90	0.30	0.0	1.0
R6VP	9611	0.69	0.46	0.0	1.0
R7VP	13083	0.76	0.43	0.0	1.0
R8VP	10517	0.77	0.42	0.0	1.0
R9VP	10518	0.75	0.44	0.0	1.0
R10VP	16031	0.54	0.50	0.0	1.0
R11VP	10250	0.63	0.48	0.0	1.0
R12VP	9692	0.62	0.48	0.0	1.0
R13VP	13700	0.63	0.48	0.0	1.0
S2VP	3866	0.79	0.41	0.0	1.0
S3VP	10806	0.76	0.43	0.0	1.0
S4VP	7481	0.88	0.32	0.0	1.0
S5VP	5424	0.93	0.25	0.0	1.0
S6VP	5499	0.76	0.43	0.0	1.0
S7VP	7935	0.81	0.39	0.0	1.0
S8VP	6071	0.82	0.38	0.0	1.0
S9VP	6039	0.80	0.40	0.0	1.0
S10VP	9477	0.58	0.49	0.0	1.0
S11VP	5923	0.68	0.47	0.0	1.0
S12VP	5342	0.68	0.47	0.0	1.0
S13VP	7293	0.68	0.47	0.0	1.0
R2FVP	7382	0.01	0.09	0.0	1.0
R3FVP	16351	0.00	0.04	0.0	1.0

SwPRES: 3 PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Incorrect		255	509	217	180	155	134	143	143	231
1.Correct		3611	10297	7264	5244	5344	7801	5928	5896	9246

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ lt	5915	5081	3960
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Incorrect	161	147	143
1.Correct	5762	5195	7150

RwFPRES: 3 IMPFLAG: PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Not imputed		7351	16324	12307	9477	9601	13066	10490	10498	16016
1.Imputed		31	27	23	26	10	17	27	20	15
2.NA-Not 65+, new IW, or al				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Not imputed	10231	9677	13668
1.Imputed	19	15	32
2.NA-Not 65+, new IW, or al	9157	8006	6271

SwFPRES: 3 IMPFLAG: PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Not imputed		3854	10791	7465	5413	5494	7928	6056	6026	9468
1.Imputed		12	15	16	11	5	7	15	13	9
2.NA-Not 65+, new IW, or al				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Not imputed	5910	5334	7283
1.Imputed	13	8	10
2.NA-Not 65+, new IW, or al	5915	5081	3960

RwVP: 3 VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	5244	6692	5559	4621
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Incorrect		2093	4723	1975	951	3008	3115	2436	2672	7452
1.Correct		5289	11628	10355	8552	6603	9968	8081	7846	8579

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ lt	9157	8006	6271
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Incorrect	3804	3648	5068
1.Correct	6446	6044	8632

SwVP: 3 VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	3834	4872	3950	3219
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Incorrect		821	2621	891	355	1331	1470	1094	1220	4008
1.Correct		3045	8185	6590	5069	4168	6465	4977	4819	5469

Value	w11	w12	w13
.M=Oth missing	1		
.N=Cog not asked (re-IW/ lt	5915	5081	3960
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Incorrect	1896	1692	2314
1.Correct	4027	3650	4979

RwFVP: 3 IMPFLAG: VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		11420								
.S=Proxy IW		212	1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW		628	545	479	350	270	248	169	153	168
0.Not imputed		7327	16323	12306	9478	9598	13063	10490	10500	16011
1.Imputed		55	28	24	25	13	20	27	18	20
2.NA-Not 65+, new IW, or al				7011	8013	6518	5244	6692	5559	4621

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	985	919	784
.X=NR or Proxy all IW	161	130	157
0.Not imputed	10230	9669	13660
1.Imputed	20	23	40
2.NA-Not 65+, new IW, or al	9157	8006	6271

SwFVP: 3 IMPFLAG: VICE PRESIDENT

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.Q=Not asked this cohort or		9125								
.S=Proxy IW		157	770	1088	1154	1168	1009	652	539	674
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
.X=NR or Proxy all IW		326	341	319	256	191	194	140	118	143
0.Not imputed		3840	10791	7465	5414	5494	7927	6056	6028	9462
1.Imputed		26	15	16	10	5	8	15	11	15
2.NA-Not 65+, new IW, or al				5092	5896	4781	3834	4872	3950	3219

Value	w11	w12	w13
.M=Oth missing	1		
.Q=Not asked this cohort or			
.S=Proxy IW	515	480	380
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=NR or Proxy all IW	134	109	146
0.Not imputed	5910	5330	7279
1.Imputed	13	12	14
2.NA-Not 65+, new IW, or al	5915	5081	3960

Format Reference Tables – complete variable value labels

Variables: CACT, DW, DY, MO, PRES, SCIS, VP, YR	Variables: FBWC20, FBWC86, FCACT, FDLRC, FDW, FDY, FIMRC, FMO, FPRES, FPSTIME, FSCIS, FSER7, FSLFME, FVOCAB, FVP, FYR
.C=HRS-AHD overlap	.C=HRS-AHD overlap
.M=Oth missing	.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)	.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv	.Q=Not asked this cohort or wv
.S=Proxy IW	.S=Proxy IW
.U=Unmarried	.U=Unmarried
.V=Spouse NR	.V=Spouse NR
.X=NR or Proxy all IW	.X=NR or Proxy all IW
0.Incorrect	0.Not imputed
1.Correct	1.Imputed
	2.NA-Not 65+, new IW, or alt wv

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwPRES and RwVP indicate whether the Respondent was able to correctly name the current president and vice-president of the United States, respectively.

Each of these variables is coded "1" for a correct answer and "0" for an incorrect answer. From Wave 4 forward, the question is only asked of new interviewees and re-interviewees who are 65 or older. If the question was skipped because the Respondent is younger than 65, then special missing value .N is assigned.

RwFPRES and RwFVP indicate whether the values were imputed (=1) or not (=0). They have a value of "2" if the question was skipped because the Respondent is a re-interviewee younger than 65. In Wave 5, the rate of correct answers increased, perhaps because Wave 5 (2000) was an election year, and the incumbent vice president was running for president.

This task was not given to anyone in Waves 1 and 2H. In Wave 2H, R2PRES, R2VP, R2FPRES, and R2FVP are set to special missing .Q to indicate that they are missing for all HRS Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwPRES, SwFPRES, SwVP, and SwFVP were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

These questions were not asked in Waves 1 and 2H. From Wave 4 forward, they are only asked of new interviewees and re-interviewees who are 65 or older.

Imputed Cognition: Vocabulary

Wave	Variable	Label	Type
3	R3VOCAB	R3VOCAB: W3 VOCAB SUM SCORE	Categ
4	R4VOCAB	R4VOCAB: W4 VOCAB SUM SCORE	Categ
5	R5VOCAB	R5VOCAB: W5 VOCAB SUM SCORE	Categ
6	R6VOCAB	R6VOCAB: W6 VOCAB SUM SCORE	Categ
7	R7VOCAB	R7VOCAB: W7 VOCAB SUM SCORE	Categ
8	R8VOCAB	R8VOCAB: W8 VOCAB SUM SCORE	Categ
9	R9VOCAB	R9VOCAB: W9 VOCAB SUM SCORE	Categ
10	R10VOCAB	R10VOCAB: W10 VOCAB SUM SCORE	Categ
11	R11VOCAB	R11VOCAB: W11 VOCAB SUM SCORE	Categ
12	R12VOCAB	R12VOCAB: W12 VOCAB SUM SCORE	Categ
13	R13VOCAB	R13VOCAB: W13 VOCAB SUM SCORE	Categ
3	S3VOCAB	S3VOCAB: W3 VOCAB SUM SCORE	Categ
4	S4VOCAB	S4VOCAB: W4 VOCAB SUM SCORE	Categ
5	S5VOCAB	S5VOCAB: W5 VOCAB SUM SCORE	Categ
6	S6VOCAB	S6VOCAB: W6 VOCAB SUM SCORE	Categ
7	S7VOCAB	S7VOCAB: W7 VOCAB SUM SCORE	Categ
8	S8VOCAB	S8VOCAB: W8 VOCAB SUM SCORE	Categ
9	S9VOCAB	S9VOCAB: W9 VOCAB SUM SCORE	Categ
10	S10VOCAB	S10VOCAB: W10 VOCAB SUM SCORE	Categ
11	S11VOCAB	S11VOCAB: W11 VOCAB SUM SCORE	Categ
12	S12VOCAB	S12VOCAB: W12 VOCAB SUM SCORE	Categ
13	S13VOCAB	S13VOCAB: W13 VOCAB SUM SCORE	Categ
3	R3FVOCAB	R3FVOCAB: W3 IMPFLAG: VOCAB SUM SCORE	Categ
4	R4FVOCAB	R4FVOCAB: W4 IMPFLAG: VOCAB SUM SCORE	Categ
5	R5FVOCAB	R5FVOCAB: W5 IMPFLAG: VOCAB SUM SCORE	Categ
6	R6FVOCAB	R6FVOCAB: W6 IMPFLAG: VOCAB SUM SCORE	Categ
7	R7FVOCAB	R7FVOCAB: W7 IMPFLAG: VOCAB SUM SCORE	Categ
8	R8FVOCAB	R8FVOCAB : W8 IMPFLAG: VOCAB SUM SCORE	Categ
9	R9FVOCAB	R9FVOCAB : W9 IMPFLAG: VOCAB SUM SCORE	Categ
10	R10FVOCAB	R10FVOCAB : W10 IMPFLAG: VOCAB SUM SCORE	Categ
11	R11FVOCAB	R11FVOCAB : W11 IMPFLAG: VOCAB SUM SCORE	Categ
12	R12FVOCAB	R12FVOCAB : W12 IMPFLAG: VOCAB SUM SCORE	Categ
13	R13FVOCAB	R13FVOCAB: W13 IMPFLAG: VOCAB SUM SCORE	Categ
3	S3FVOCAB	S3FVOCAB: W3 IMPFLAG: VOCAB SUM SCORE	Categ
4	S4FVOCAB	S4FVOCAB: W4 IMPFLAG: VOCAB SUM SCORE	Categ
5	S5FVOCAB	S5FVOCAB: W5 IMPFLAG: VOCAB SUM SCORE	Categ
6	S6FVOCAB	S6FVOCAB: W6 IMPFLAG: VOCAB SUM SCORE	Categ
7	S7FVOCAB	S7FVOCAB: W7 IMPFLAG: VOCAB SUM SCORE	Categ
8	S8FVOCAB	S8FVOCAB : W8 IMPFLAG: VOCAB SUM SCORE	Categ
9	S9FVOCAB	S9FVOCAB : W9 IMPFLAG: VOCAB SUM SCORE	Categ
10	S10FVOCAB	S10FVOCAB : W10 IMPFLAG: VOCAB SUM SCORE	Categ
11	S11FVOCAB	S11FVOCAB : W11 IMPFLAG: VOCAB SUM SCORE	Categ
12	S12FVOCAB	S12FVOCAB : W12 IMPFLAG: VOCAB SUM SCORE	Categ
13	S13FVOCAB	S13FVOCAB: W13 IMPFLAG: VOCAB SUM SCORE	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3VOCAB	16351	5.29	2.16	0.0	10.0
R4VOCAB	12330	5.57	2.12	0.0	10.0
R5VOCAB	9503	5.47	2.11	0.0	10.0
R6VOCAB	9611	5.51	2.06	0.0	10.0
R7VOCAB	3261	5.67	2.08	0.0	10.0
R8VOCAB	10517	5.45	2.07	0.0	10.0
R9VOCAB	124	5.62	2.11	1.0	10.0
R10VOCAB	16031	5.44	2.10	0.0	10.0

R11VOCAB	463	5.32	2.08	0.0	10.0
R12VOCAB	168	4.86	2.18	0.0	10.0
R13VOCAB	4504	5.42	2.18	0.0	10.0
S3VOCAB	10806	5.43	2.08	0.0	10.0
S4VOCAB	7481	5.69	2.05	0.0	10.0
S5VOCAB	5424	5.67	2.02	0.0	10.0
S6VOCAB	5499	5.65	2.00	0.0	10.0
S7VOCAB	2278	5.71	2.03	0.0	10.0
S8VOCAB	6071	5.55	2.00	0.0	10.0
S9VOCAB	122	5.63	2.12	1.0	10.0
S10VOCAB	9477	5.52	2.07	0.0	10.0
S11VOCAB	396	5.23	2.11	0.0	10.0
S12VOCAB	157	4.94	2.16	0.0	10.0
S13VOCAB	2462	5.51	2.20	0.0	10.0
R3FVOCAB	16351	0.01	0.07	0.0	1.0
R4FVOCAB	19341	0.73	0.96	0.0	2.0
R5FVOCAB	17516	0.91	0.99	0.0	2.0
R6FVOCAB	16129	0.82	0.98	0.0	2.0
R7FVOCAB	18327	1.64	0.76	0.0	2.0
R8FVOCAB	17209	0.78	0.97	0.0	2.0
R9FVOCAB	16077	1.98	0.17	0.0	2.0
R10FVOCAB	20652	0.45	0.83	0.0	2.0
R11FVOCAB	19407	1.95	0.30	0.0	2.0
R12FVOCAB	17698	1.98	0.19	0.0	2.0
R13FVOCAB	19971	1.55	0.83	0.0	2.0
S3FVOCAB	10806	0.00	0.06	0.0	1.0
S4FVOCAB	12573	0.81	0.98	0.0	2.0
S5FVOCAB	11320	1.04	1.00	0.0	2.0
S6FVOCAB	10280	0.94	0.99	0.0	2.0
S7FVOCAB	11769	1.61	0.79	0.0	2.0
S8FVOCAB	10943	0.90	0.99	0.0	2.0
S9FVOCAB	9989	1.98	0.22	0.0	2.0
S10FVOCAB	12696	0.51	0.87	0.0	2.0
S11FVOCAB	11838	1.93	0.36	0.0	2.0
S12FVOCAB	10423	1.97	0.24	0.0	2.0
S13FVOCAB	11253	1.56	0.82	0.0	2.0

Categorical Variable Codes

RwVOCAB: 3 VOCAB SUM SCORE										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				7011	8013	6518	15066	6692	15953	4621
.S=Proxy IW			1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW			545	479	350	270	248	169	153	168
0			524	275	215	164	60	223		353
1			379	269	220	220	60	237	3	363
2			625	441	344	365	95	382	4	606
3			1832	1048	902	811	247	907	15	1427
4			2116	1518	1219	1259	417	1461	17	2269
5			2808	1998	1532	1690	568	1845	18	2871
6			3029	2362	1913	1920	659	2028	29	2989
7			2650	2249	1627	1606	512	1803	10	2583
8			1493	1344	962	1014	394	1044	17	1539
9			699	607	432	395	185	452	7	776
10			196	219	137	167	64	135	4	255
Value	w11	w12	w13							
.M=Oth missing	1									
.N=Cog not asked (re-IW/ lt	18944	17530	15467							
.S=Proxy IW	985	919	784							
.X=NR or Proxy all IW	161	130	157							
0	8	9	88							
1	14	5	122							
2	21	5	192							
3	40	20	467							
4	71	32	608							
5	91	34	779							
6	71	26	815							
7	82	17	637							
8	40	14	447							
9	20	4	247							
10	5	2	102							
SwVOCAB: 3 VOCAB SUM SCORE										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										
.N=Cog not asked (re-IW/ lt				5092	5896	4781	9491	4872	9867	3219
.S=Proxy IW			770	1088	1154	1168	1009	652	539	674
.U=Unmarried			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			417	536	311	220	380	317	365	722
.X=NR or Proxy all IW			341	319	256	191	194	140	118	143
0			259	118	94	71	34	92		162
1			198	137	84	98	40	113	3	182
2			365	235	140	179	67	210	4	342
3			1143	598	469	427	166	493	15	828
4			1380	899	675	702	275	829	16	1348
5			1897	1229	847	949	404	1075	18	1710
6			2051	1484	1135	1130	468	1202	28	1735
7			1844	1401	1019	986	383	1090	10	1579
8			1053	859	620	617	273	632	17	947
9			488	387	256	242	128	263	7	485
10			128	134	85	98	40	72	4	159
Value	w11	w12	w13							

.M=Oth missing	|	1		
.N=Cog not asked (re-IW/ lt	|	11442	10266	8791
.S=Proxy IW	|	515	480	380
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=NR or Proxy all IW	|	134	109	146
0	|	8	8	50
1	|	14	4	61
2	|	20	4	98
3	|	34	17	244
4	|	63	31	317
5	|	77	33	416
6	|	57	24	435
7	|	68	16	364
8	|	36	14	271
9	|	16	4	148
10	|	3	2	58

RwFVOCAB: 3 IMPFLAG: VOCAB SUM SCORE

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|										
.S=Proxy IW	|			1095	1564	1712	1766	1554	1091	987	1214
.X=NR or Proxy all IW	|			545	479	350	270	248	169	153	168
0.Not imputed	|			16264	12249	9468	9477	3258	10409	123	15954
1.Imputed	|			87	81	92	134	3	108	1	77
2.NA-Not 65+, new IW, or al	|				7011	7956	6518	15066	6692	15953	4621

Value	|	w11	w12	w13
.M=Oth missing	|	1		
.S=Proxy IW	|	985	919	784
.X=NR or Proxy all IW	|	161	130	157
0.Not imputed	|	457	166	4453
1.Imputed	|	6	2	51
2.NA-Not 65+, new IW, or al	|	18944	17530	15467

SwFVOCAB: 3 IMPFLAG: VOCAB SUM SCORE

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|										
.S=Proxy IW	|			770	1088	1154	1168	1009	652	539	674
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			417	536	311	220	380	317	365	722
.X=NR or Proxy all IW	|			341	319	256	191	194	140	118	143
0.Not imputed	|			10763	7434	5433	5429	2275	6017	121	9436
1.Imputed	|			43	47	39	70	3	54	1	41
2.NA-Not 65+, new IW, or al	|				5092	5848	4781	9491	4872	9867	3219

Value	|	w11	w12	w13
.M=Oth missing	|	1		
.S=Proxy IW	|	515	480	380
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=NR or Proxy all IW	|	134	109	146
0.Not imputed	|	392	155	2439
1.Imputed	|	4	2	23
2.NA-Not 65+, new IW, or al	|	11442	10266	8791

Format Reference Tables – complete variable value labels

Variables: VOCAB	Variables: FBWC20, FBWC86, FCACT, FDLRC, FDW, FDY, FIMRC, FMO, FPRES, FPSTME, FSCIS, FSER7, FSLFME, FVOCAB, FVP, FYR
.C=HRS-AHD overlap	.C=HRS-AHD overlap
.M=Oth missing	.M=Oth missing
.N=Cog not asked (re-IW/ lt 65)	.N=Cog not asked (re-IW/ lt 65)
.Q=Not asked this cohort or wv	.Q=Not asked this cohort or wv
.S=Proxy IW	.S=Proxy IW
.U=Unmarried	.U=Unmarried
.V=Spouse NR	.V=Spouse NR
.X=NR or Proxy all IW	.X=NR or Proxy all IW
	0.Not imputed
	1.Imputed
	2.NA-Not 65+, new IW, or alt wv

General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

RwVOCAB scores the Respondents ability to provide definitions of five given words.

There are two sets of words, one of which is randomly assigned at the Respondent's first interview. The two sets are then alternated in subsequent waves. The two word sets are: 1) repair, fabric, domestic, remorse, plagiarize; and 2) conceal, enormous, perimeter, compassion, audacious.

These questions were asked from Wave 3 forward. From Wave 4 forward, they are only asked of new interviewees and re-interviewees who are 65 or older.

The possible scores for each word are perfectly correct (=2), partially correct (=1), and incorrect (0). RwVOCAB is the sum of scores over the five words. If this task was skipped because the Respondent is a re-interviewee younger than 65, then special missing value .N is assigned.

RwFVOCAB indicates whether the values were imputed (=1) or not (=0). It has a value of 2 if the question was skipped because the Respondent is a re-interviewee younger than 65.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

SwVOCAB and SwFVOCAB were taken from the respective Rw variables for the Wave "w" spouse.

Cross Wave Differences in Original HRS Data

This task was not given in Waves 1 and 2, but is given in all later waves. From Wave 4 forward, it is only given to new interviewees and re-interviewees who are 65 or older. In Wave 9, the vocabulary questions were not asked of re-interview Respondents. Re-interview Respondents are asked the questions every 4 years rather than every two.

The frequencies for R9VOCAB and S9VOCAB are lower in Wave 9.

Imputed Cognition: Summary Scores
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Wave	Variable	Label	Type
1	R1TR40	R1TR40: W1 TOTAL WORD RECALL SUMMARY SCORE	Cont
1	S1TR40	S1TR40: W1 TOTAL WORD RECALL SUMMARY SCORE	Cont
2	R2ATR20	R2ATR20: W2 AHD WORD TOTAL RECALL SUMMARY SCORE	Cont
2	S2ATR20	S2ATR20: W2 AHD WORD TOTAL RECALL SUMMARY SCORE	Cont
2	R2HTR40	R2HTR40: W2 HRS WORD TOTAL RECALL SUMMARY SCORE	Cont
2	S2HTR40	S2HTR40: W2 HRS WORD TOTAL RECALL SUMMARY SCORE	Cont
3	R3TR20	R3TR20: W3 TOTAL WORD RECALL SUMMARY SCORE	Cont
4	R4TR20	R4TR20: W4 TOTAL WORD RECALL SUMMARY SCORE	Cont
5	R5TR20	R5TR20: W5 TOTAL WORD RECALL SUMMARY SCORE	Cont
6	R6TR20	R6TR20: W6 TOTAL WORD RECALL SUMMARY SCORE	Cont
7	R7TR20	R7TR20: W7 TOTAL WORD RECALL SUMMARY SCORE	Cont
8	R8TR20	R8TR20: W8 TOTAL WORD RECALL SUMMARY SCORE	Cont
9	R9TR20	R9TR20: W9 TOTAL WORD RECALL SUMMARY SCORE	Cont
10	R10TR20	R10TR20: W10 TOTAL WORD RECALL SUMMARY SCORE	Cont
11	R11TR20	R11TR20: W11 TOTAL WORD RECALL SUMMARY SCORE	Cont
12	R12TR20	R12TR20: W12 TOTAL WORD RECALL SUMMARY SCORE	Cont
13	R13TR20	R13TR20: W13 TOTAL WORD RECALL SUMMARY SCORE	Cont
3	S3TR20	S3TR20: W3 TOTAL WORD RECALL SUMMARY SCORE	Cont
4	S4TR20	S4TR20: W4 TOTAL WORD RECALL SUMMARY SCORE	Cont
5	S5TR20	S5TR20: W5 TOTAL WORD RECALL SUMMARY SCORE	Cont
6	S6TR20	S6TR20: W6 TOTAL WORD RECALL SUMMARY SCORE	Cont
7	S7TR20	S7TR20: W7 TOTAL WORD RECALL SUMMARY SCORE	Cont
8	S8TR20	S8TR20: W8 TOTAL WORD RECALL SUMMARY SCORE	Cont
9	S9TR20	S9TR20: W9 TOTAL WORD RECALL SUMMARY SCORE	Cont
10	S10TR20	S10TR20: W10 TOTAL WORD RECALL SUMMARY SCORE	Cont
11	S11TR20	S11TR20: W11 TOTAL WORD RECALL SUMMARY SCORE	Cont
12	S12TR20	S12TR20: W12 TOTAL WORD RECALL SUMMARY SCORE	Cont
13	S13TR20	S13TR20: W13 TOTAL WORD RECALL SUMMARY SCORE	Cont
2	R2AMSTOT	R2AMSTOT: W2 AHD MENTAL STATUS SUMMARY SCORE	Cont
2	S2AMSTOT	S2AMSTOT: W2 AHD MENTAL STATUS SUMMARY SCORE	Cont
2	R2ACGTOT	R2ACGTOT:W2 AHD TOTAL COGNITION SUMMARY SCORE	Cont
2	S2ACGTOT	S2ACGTOT:W2 AHD TOTAL COGNITION SUMMARY SCORE	Cont
3	R3MSTOT	R3MSTOT: W3 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
4	R4MSTOT	R4MSTOT: W4 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
5	R5MSTOT	R5MSTOT: W5 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
6	R6MSTOT	R6MSTOT: W6 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
7	R7MSTOT	R7MSTOT: W7 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
8	R8MSTOT	R8MSTOT: W8 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
9	R9MSTOT	R9MSTOT: W9 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
10	R10MSTOT	R10MSTOT: W10 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
11	R11MSTOT	R11MSTOT: W11 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
12	R12MSTOT	R12MSTOT: W12 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
13	R13MSTOT	R13MSTOT: W13 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
3	S3MSTOT	S3MSTOT: W3 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
4	S4MSTOT	S4MSTOT: W4 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
5	S5MSTOT	S5MSTOT: W5 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
6	S6MSTOT	S6MSTOT: W6 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
7	S7MSTOT	S7MSTOT: W7 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
8	S8MSTOT	S8MSTOT: W8 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
9	S9MSTOT	S9MSTOT: W9 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
10	S10MSTOT	S10MSTOT: W10 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
11	S11MSTOT	S11MSTOT: W11 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
12	S12MSTOT	S12MSTOT: W12 TOTAL MENTAL STATUS SUMMARY SCORE	Cont

13	S13MSTOT	S13MSTOT: W13 TOTAL MENTAL STATUS SUMMARY SCORE	Cont
3	R3COGTOT	R3COGTOT: W3 TOTAL COGNITION SUMMARY SCORE	Cont
4	R4COGTOT	R4COGTOT: W4 TOTAL COGNITION SUMMARY SCORE	Cont
5	R5COGTOT	R5COGTOT: W5 TOTAL COGNITION SUMMARY SCORE	Cont
6	R6COGTOT	R6COGTOT: W6 TOTAL COGNITION SUMMARY SCORE	Cont
7	R7COGTOT	R7COGTOT: W7 TOTAL COGNITION SUMMARY SCORE	Cont
8	R8COGTOT	R8COGTOT: W8 TOTAL COGNITION SUMMARY SCORE	Cont
9	R9COGTOT	R9COGTOT: W9 TOTAL COGNITION SUMMARY SCORE	Cont
10	R10COGTOT	R10COGTOT: W10 TOTAL COGNITION SUMMARY SCORE	Cont
11	R11COGTOT	R11COGTOT: W11 TOTAL COGNITION SUMMARY SCORE	Cont
12	R12COGTOT	R12COGTOT: W12 TOTAL COGNITION SUMMARY SCORE	Cont
13	R13COGTOT	R13COGTOT: W13 TOTAL COGNITION SUMMARY SCORE	Cont
3	S3COGTOT	S3COGTOT: W3 TOTAL COGNITION SUMMARY SCORE	Cont
4	S4COGTOT	S4COGTOT: W4 TOTAL COGNITION SUMMARY SCORE	Cont
5	S5COGTOT	S5COGTOT: W5 TOTAL COGNITION SUMMARY SCORE	Cont
6	S6COGTOT	S6COGTOT: W6 TOTAL COGNITION SUMMARY SCORE	Cont
7	S7COGTOT	S7COGTOT: W7 TOTAL COGNITION SUMMARY SCORE	Cont
8	S8COGTOT	S8COGTOT: W8 TOTAL COGNITION SUMMARY SCORE	Cont
9	S9COGTOT	S9COGTOT: W9 TOTAL COGNITION SUMMARY SCORE	Cont
10	S10COGTOT	S10COGTOT: W10 TOTAL COGNITION SUMMARY SCORE	Cont
11	S11COGTOT	S11COGTOT: W11 TOTAL COGNITION SUMMARY SCORE	Cont
12	S12COGTOT	S12COGTOT: W12 TOTAL COGNITION SUMMARY SCORE	Cont
13	S13COGTOT	S13COGTOT: W13 TOTAL COGNITION SUMMARY SCORE	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1TR40	11883	12.84	5.30	0.0	40.0
S1TR40	9166	13.12	5.23	0.0	40.0
R2ATR20	7382	7.71	3.94	0.0	20.0
S2ATR20	3866	8.32	3.83	0.0	20.0
R2HTR40	10691	13.94	6.19	0.0	40.0
S2HTR40	8071	14.15	6.08	0.0	40.0
R3TR20	16351	9.94	3.92	0.0	20.0
R4TR20	19341	10.21	3.88	0.0	20.0
R5TR20	17516	9.88	3.77	0.0	20.0
R6TR20	16129	9.98	3.65	0.0	20.0
R7TR20	18327	9.78	3.48	0.0	20.0
R8TR20	17209	9.72	3.61	0.0	20.0
R9TR20	16077	9.68	3.56	0.0	20.0
R10TR20	20652	9.67	3.40	0.0	20.0
R11TR20	19407	9.59	3.46	0.0	20.0
R12TR20	17698	9.65	3.54	0.0	20.0
R13TR20	19971	9.67	3.43	0.0	20.0
S3TR20	10806	10.35	3.76	0.0	20.0
S4TR20	12573	10.61	3.72	0.0	20.0
S5TR20	11320	10.27	3.62	0.0	20.0
S6TR20	10280	10.33	3.52	0.0	20.0
S7TR20	11769	10.13	3.35	0.0	20.0
S8TR20	10943	10.11	3.46	0.0	20.0
S9TR20	9989	10.01	3.44	0.0	20.0

S10TR20	12696	9.98	3.31	0.0	20.0
S11TR20	11838	9.94	3.37	0.0	20.0
S12TR20	10423	10.05	3.43	0.0	20.0
S13TR20	11253	10.02	3.31	0.0	20.0
R2AMSTOT	7382	12.10	2.83	0.0	15.0
S2AMSTOT	3866	12.59	2.54	1.0	15.0
R2ACGTOT	7382	19.81	5.85	0.0	35.0
S2ACGTOT	3866	20.91	5.43	1.0	35.0
R3MSTOT	16351	12.63	2.47	0.0	15.0
R4MSTOT	12330	12.72	2.52	0.0	15.0
R5MSTOT	9503	12.71	2.50	0.0	15.0
R6MSTOT	9611	12.52	2.64	0.0	15.0
R7MSTOT	13083	12.73	2.50	0.0	15.0
R8MSTOT	10517	12.54	2.66	0.0	15.0
R9MSTOT	10518	12.51	2.65	0.0	15.0
R10MSTOT	16031	12.27	2.52	0.0	15.0
R11MSTOT	10250	12.23	2.67	0.0	15.0
R12MSTOT	9692	12.27	2.69	0.0	15.0
R13MSTOT	13700	12.45	2.55	0.0	15.0
S3MSTOT	10806	12.95	2.26	0.0	15.0
S4MSTOT	7481	13.11	2.25	0.0	15.0
S5MSTOT	5424	13.08	2.24	1.0	15.0
S6MSTOT	5499	12.94	2.35	0.0	15.0
S7MSTOT	7935	13.06	2.25	0.0	15.0
S8MSTOT	6071	12.90	2.40	0.0	15.0
S9MSTOT	6039	12.89	2.37	0.0	15.0
S10MSTOT	9477	12.58	2.32	0.0	15.0
S11MSTOT	5923	12.59	2.45	0.0	15.0
S12MSTOT	5342	12.67	2.44	0.0	15.0
S13MSTOT	7293	12.78	2.36	0.0	15.0
R3COGTOT	16351	22.57	5.46	0.0	35.0
R4COGTOT	12330	22.16	5.53	0.0	35.0
R5COGTOT	9503	21.52	5.35	0.0	35.0
R6COGTOT	9611	21.66	5.35	0.0	35.0
R7COGTOT	13083	22.02	5.16	0.0	35.0
R8COGTOT	10517	21.38	5.37	0.0	35.0
R9COGTOT	10518	21.50	5.31	0.0	35.0
R10COGTOT	16031	21.58	5.01	0.0	35.0
R11COGTOT	10250	21.09	5.29	0.0	35.0
R12COGTOT	9692	21.22	5.45	0.0	35.0
R13COGTOT	13700	21.78	5.15	0.0	35.0
S3COGTOT	10806	23.30	5.05	0.0	35.0
S4COGTOT	7481	23.00	5.10	0.0	35.0
S5COGTOT	5424	22.27	4.96	1.0	35.0
S6COGTOT	5499	22.40	4.96	0.0	35.0
S7COGTOT	7935	22.73	4.78	1.0	35.0
S8COGTOT	6071	22.10	4.96	0.0	35.0
S9COGTOT	6039	22.17	4.91	0.0	35.0
S10COGTOT	9477	22.19	4.68	1.0	35.0
S11COGTOT	5923	21.79	4.94	0.0	35.0
S12COGTOT	5342	22.03	5.09	0.0	35.0

S13COGTOT	7293	22.47	4.83	0.0	35.0
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General Comments

The cognition variables are taken directly from the HRS imputations of cognitive functioning. These imputations are calculated only for the final release data. Please refer to the Health and Retirement Study Imputation of Cognitive Functioning Measures (1992 - 2016) (Final Release Version) Data Description (McCammon et.al., October 2019) on the [HRS website](#) for a more detailed description of the measures and the imputation process. All questions on the construction of the variables should be directed to HRS.

How Constructed

R1TR40, R2ATR20, R2HTR40, and RwTR20 are summary scores for total word recall. R2AMSTOT and RwMSTOT summarize the mental status items. R2ACGTOT and RwCOGTOT summarize word recall and mental status together.

The total word recall summary variables sum the immediate and delayed word recall scores. In Waves 1 and 2H, the word list contained 20 nouns, while in other waves, the list contained 10 words. The variable name suffix indicates the maximum score possible for total word recall, e.g., R1TR40 (range 0-40) is the sum of R1IMRC20 (range 0-20) and R1DLRC20 (range 0-20), and R4TR20 (range 0-20) is the sum of R4IMRC (range 0-10) and R4DLRC (range 0-10). The variables R1TR40, R2HTR40, and R2ATR20 are named to indicate this difference in the measures for Waves 1 and 2.

The mental status summary sums the scores for serial 7's (RwSER7, 0-5), backwards counting from 20 (RwBWC2, 0-2), and object (RwCACT, RwSCIS; 0-2 total), date (RwDY, RwMO, RwYR, RwDW; 0-4 total), and President/Vice-President (RwPRES, RwVP; 0-2 total) naming tasks. The resulting range is 0-15. Since these items were not included in Waves 1 and 2H, there is no mental status summary score for these waves, and the Wave 2A summary is called R2AMSTOT to indicate that it is limited to the AHEAD cohort in Wave 2.

The total cognition score sums the total word recall and mental status summary scores, resulting in a range of 0-35. For Wave 2A, R2ACOGTOT is the sum of R2ATR20 and R2AMSTOT. RwCOGTOT is the sum of RwTR20 and RwMSTOT for all other waves. RwCOGTOT is not available in Waves 1 and 2H.

In Wave 2H, R2ATR20, R2AMSTOT, and R2ACGTOT are set to special missing .Q to indicate that they are missing for all HRS Respondents. In Wave 2H, R2HTR40 is set to special missing .Q to indicate that it is missing for all AHEAD Respondents.

Note: Special missing values have been assigned to cognition measures when the Respondent has no non-proxy interviews (.X), the specific interview was by proxy (.S), cognition measure not asked (reinterview/lt 65) (.N), and in Wave 1 when the Respondent is an HRS/AHEAD overlap case (.C). In these cases, imputations were not done.

The Sw cognition summary variables were taken from the respective Rw variables for the Wave "w" spouse.

Note that the variable name R2ACGTOT has been shortened from R2ACOGTOT in the original HRS imputation file to conform to the current 8-character limit.

Proxy Rating of Respondent Memory

Wave	Variable	Label	Type
2	R2PRMEM	R2PRMEM:W2 Rate R memory	Categ
3	R3PRMEM	R3PRMEM:W3 Rate R memory	Categ
4	R4PRMEM	R4PRMEM:W4 Rate R memory	Categ
5	R5PRMEM	R5PRMEM:W5 Rate R memory	Categ
6	R6PRMEM	R6PRMEM:W6 Rate R memory	Categ
7	R7PRMEM	R7PRMEM:W7 Rate R memory	Categ
8	R8PRMEM	R8PRMEM:W8 Rate R memory	Categ
9	R9PRMEM	R9PRMEM:W9 Rate R memory	Categ
10	R10PRMEM	R10PRMEM:W10 Rate R memory	Categ
11	R11PRMEM	R11PRMEM:W11 Rate R memory	Categ
12	R12PRMEM	R12PRMEM:W12 Rate R memory	Categ
13	R13PRMEM	R13PRMEM:W13 Rate R memory	Categ
2	S2PRMEM	S2PRMEM:W2 Rate S memory	Categ
3	S3PRMEM	S3PRMEM:W3 Rate S memory	Categ
4	S4PRMEM	S4PRMEM:W4 Rate S memory	Categ
5	S5PRMEM	S5PRMEM:W5 Rate S memory	Categ
6	S6PRMEM	S6PRMEM:W6 Rate S memory	Categ
7	S7PRMEM	S7PRMEM:W7 Rate S memory	Categ
8	S8PRMEM	S8PRMEM:W8 Rate S memory	Categ
9	S9PRMEM	S9PRMEM:W9 Rate S memory	Categ
10	S10PRMEM	S10PRMEM:W10 Rate S memory	Categ
11	S11PRMEM	S11PRMEM:W11 Rate S memory	Categ
12	S12PRMEM	S12PRMEM:W12 Rate S memory	Categ
13	S13PRMEM	S13PRMEM:W13 Rate S memory	Categ
E	REPRMEM	REPRMEM:EXIT Rate R memory 1 month prior to death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PRMEM	834	3.40	1.29	1.0	5.0
R3PRMEM	1634	3.14	1.31	1.0	5.0
R4PRMEM	2036	3.12	1.30	1.0	5.0
R5PRMEM	2057	3.21	1.28	1.0	5.0
R6PRMEM	2032	3.18	1.30	1.0	5.0
R7PRMEM	1796	3.15	1.35	1.0	5.0
R8PRMEM	1257	3.33	1.38	1.0	5.0
R9PRMEM	1139	3.43	1.35	1.0	5.0
R10PRMEM	1378	3.35	1.37	1.0	5.0
R11PRMEM	1144	3.47	1.36	1.0	5.0
R12PRMEM	1042	3.51	1.37	1.0	5.0
R13PRMEM	935	3.56	1.33	1.0	5.0
S2PRMEM	479	3.35	1.25	1.0	5.0
S3PRMEM	1106	2.92	1.25	1.0	5.0
S4PRMEM	1402	2.85	1.23	1.0	5.0
S5PRMEM	1409	2.92	1.21	1.0	5.0
S6PRMEM	1357	2.87	1.22	1.0	5.0
S7PRMEM	1201	2.79	1.25	1.0	5.0
S8PRMEM	792	2.91	1.31	1.0	5.0
S9PRMEM	656	2.97	1.28	1.0	5.0
S10PRMEM	816	2.95	1.31	1.0	5.0
S11PRMEM	648	2.98	1.30	1.0	5.0
S12PRMEM	587	3.06	1.36	1.0	5.0
S13PRMEM	525	3.07	1.29	1.0	5.0

REPRMEM: EXIT Rate R memory 1 month prior to death

Value	
.D=DK	119
.M=Oth missing	2
.Q=Not asked this wv	175
.R=RF	5
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1.Excellent	2105
2.Very good	2752
3.Good	2979
4.Fair	2495
5.Poor	3633

How Constructed

Core Interview Variables

RwPRMEM provides a proxy-reported rating of the Respondent's memory at the time of their interview. RwPRMEM ranges from 1 (Excellent) to 5 (Poor).

RwPRMEM is asked to the proxy in Wave 2A and in Wave 3 on. It is not asked in Wave 2H, and proxy interviews in Wave 2H have a value of .Q for R2PRMEM.

Exit Interview Variables

REPRMEM provides a proxy-reported rating of the Respondent's memory as of one month before the Respondent's death. REPRMEM ranges from 1 (Excellent) to 5 (Poor).

REPRMEM is asked of the proxy from Wave 3 forward. Exit interviews that take place in Wave 2H are given a value of .Q.

HRS Variables Used

Core Interview Variables

AHEAD 1993:

B323	PC1. MEMORY: RATE NOW
B324	PC2. MEMORY: CHANGE PAST 2 YEARS

AHEAD 1995:

D1056	PC1.RATE MEMORY
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HRS 1996:

E1056	PC1.RATE MEMORY
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HRS 1998:

F1373	PC1.RATE MEMORY
F1374	PC2.RATE MEMORY PAST

HRS 2000:

G1527	PC1.RATE MEMORY
G1528	PC2.RATE MEMORY PAST

HRS 2002-2016:

xD501	RATE MEMORY- PC
xD502	COMPARE MEM TO PREV WAVE- PC

Exit Interview Variables

AHEAD 1995:	
N1056	PC1.RATE MEMORY
HRS 1996:	
P909	PC1.RATE MEMORY
HRS 1998:	
Q1373	PC1.RATE MEMORY
HRS 2000:	
R1359	PC1.RATE MEMORY
HRS 2002-2016:	
xD501	RATE MEMORY- PC

Safety Supervision Prior to Death

Wave	Variable	Label	Type
E	RESUPER	RESUPER:EXIT R supervised for safety	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RESUPER	10407	0.70	0.46	0.0	1.0

Categorical Variable Codes

RESUPER: EXIT R supervised for safety

Value	
.D=DK	111
.M=Oth missing	9
.Q=Not asked this wv	3727
.R=RF	11
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	3148
1.Yes	7259

How Constructed

RESUPER indicates whether the Respondent received supervision to ensure safety in their last 3 months of life.

The question about safety supervision is first asked in Wave 6. RESUPER is set to .Q if the Respondent's Exit Interview took place from Waves 2A to 5.

Cross Wave Differences in Original HRS Data

There are no questions asked about safety supervision prior to Exit Interview Wave 6; therefore RESUPER is set to .Q if the Respondent's Exit Interview took place from Wave 2A to 5.

HRS Variables Used

Exit Interview Variables

HRS 2002-2016:
 xG103 ANYONE MONITOR OR SUPERVISE R

Cognitive Impairment Around Time of Death

Wave	Variable	Label	Type
E	RELOST	RELOST:EXIT R lost in familiar environments	Categ
E	REWANDER	REWANDER:EXIT R ever wander off	Categ
E	REALONE	REALONE:EXIT R could be left alone	Categ
E	REHALUC	REHALUC:EXIT R hallucinated	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RELOST	12576	0.19	0.39	0.0	1.0
REWANDER	12690	0.06	0.24	0.0	1.0
REALONE	12683	0.81	0.40	0.0	1.0
REHALUC	12481	0.20	0.40	0.0	1.0

Categorical Variable Codes

RELOST: EXIT R lost in familiar environments		
Value		
.D=DK	|	161
.M=Oth missing	|	13
.Q=Not asked this wv	|	175
.R=RF	|	6
.S=Skip	|	1334
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	10231
1.Yes	|	2345

 REWANDER: EXIT R ever wander off

Value	
.D=DK	48
.M=Oth missing	13
.Q=Not asked this wv	175
.R=RF	5
.S=Skip	1334
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	11907
1.Yes	783

 REALONE: EXIT R could be left alone

Value	
.D=DK	57
.M=Oth missing	13
.Q=Not asked this wv	175
.R=RF	3
.S=Skip	1334
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	2467
1.Yes	10216

 REHALUC: EXIT R hallucinated

Value	
.D=DK	257
.M=Oth missing	13
.Q=Not asked this wv	175
.R=RF	5
.S=Skip	1334
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	9978
1.Yes	2503

How Constructed

RELOST, REWANDER, REALONE, and REHALUC indicate whether the Respondent showed signs of cognitive impairment since the Respondent's last interview.

RELOST indicates whether the Respondent ever got lost in familiar environments. REWANDER indicates whether the Respondent ever wandered off and didn't return on his/her own. REALONE indicates whether the Respondent could be left alone for an hour or so. REHALUC indicates whether the Respondent ever saw or heard things that weren't really there.

These questions are not asked in Wave 2H, so the variables are set to .Q.

In Wave 3, these questions are asked in all Exit Interviews. From Wave 4 forward, these questions are only asked if the Respondent

was age 65 or older at time of death. Respondents from Wave 4 forward who are under age 65 are given the value .S for RELOST, REWANDER, REALONE and REHALUC.

HRS Variables Used

Exit Interview Variables

AHEAD 1995:

N1144	PC24.LOST
N1145	PC25.WANDER
N1146	PC26.LEFT ALONE
N1147	PC27.HALLUCINATE

HRS 1996:

P1000	PC27.HALLUCINATE
P997	PC24.LOST
P998	PC25.WANDER
P999	PC26.LEFT ALONE

HRS 1998:

Q1461	PC24.LOST
Q1462	PC25.WANDER
Q1463	PC26.LEFT ALONE
Q1464	PC27.HALLUCINATE

HRS 2000:

R1447	PC24.LOST
R1448	PC25.WANDER
R1449	PC26.LEFT ALONE
R1450	PC27.HALLUCINATE

HRS 2002-2016:

xD554	GET LOST IN FAMILIAR PLACES- PC
xD555	WANDER OFF- PC
xD556	CAN R BE LEFT ALONE- PC
xD557	DOES R HALLUCINATE- PC

Physical Measures: Blood Pressure

Wave	Variable	Label	Type
8	R8BPSYS	R8BPSYS:W8 R systolic blood pressure	Cont
9	R9BPSYS	R9BPSYS:W9 R systolic blood pressure	Cont
10	R10BPSYS	R10BPSYS:W10 R systolic blood pressure	Cont
11	R11BPSYS	R11BPSYS:W11 R systolic blood pressure	Cont
12	R12BPSYS	R12BPSYS:W12 R systolic blood pressure	Cont
13	R13BPSYS	R13BPSYS:W13 R systolic blood pressure	Cont
8	S8BPSYS	S8BPSYS:W8 S systolic blood pressure	Cont
9	S9BPSYS	S9BPSYS:W9 S systolic blood pressure	Cont
10	S10BPSYS	S10BPSYS:W10 S systolic blood pressure	Cont
11	S11BPSYS	S11BPSYS:W11 S systolic blood pressure	Cont
12	S12BPSYS	S12BPSYS:W12 S systolic blood pressure	Cont
13	S13BPSYS	S13BPSYS:W13 S systolic blood pressure	Cont
8	R8BPDIA	R8BPDIA:W8 R diastolic blood pressure	Cont
9	R9BPDIA	R9BPDIA:W9 R diastolic blood pressure	Cont
10	R10BPDIA	R10BPDIA:W10 R diastolic blood pressure	Cont
11	R11BPDIA	R11BPDIA:W11 R diastolic blood pressure	Cont
12	R12BPDIA	R12BPDIA:W12 R diastolic blood pressure	Cont
13	R13BPDIA	R13BPDIA:W13 R diastolic blood pressure	Cont
8	S8BPDIA	S8BPDIA:W8 S diastolic blood pressure	Cont
9	S9BPDIA	S9BPDIA:W9 S diastolic blood pressure	Cont
10	S10BPDIA	S10BPDIA:W10 S diastolic blood pressure	Cont
11	S11BPDIA	S11BPDIA:W11 S diastolic blood pressure	Cont
12	S12BPDIA	S12BPDIA:W12 S diastolic blood pressure	Cont
13	S13BPDIA	S13BPDIA:W13 S diastolic blood pressure	Cont
8	R8BPPULS	R8BPPULS:W8 R pulse	Cont
9	R9BPPULS	R9BPPULS:W9 R pulse	Cont
10	R10BPPULS	R10BPPULS:W10 R pulse	Cont
11	R11BPPULS	R11BPPULS:W11 R pulse	Cont
12	R12BPPULS	R12BPPULS:W12 R pulse	Cont
13	R13BPPULS	R13BPPULS:W13 R pulse	Cont
8	S8BPPULS	S8BPPULS:W8 S pulse	Cont
9	S9BPPULS	S9BPPULS:W9 S pulse	Cont
10	S10BPPULS	S10BPPULS:W10 S pulse	Cont
11	S11BPPULS	S11BPPULS:W11 S pulse	Cont
12	S12BPPULS	S12BPPULS:W12 S pulse	Cont
13	S13BPPULS	S13BPPULS:W13 S pulse	Cont
8	R8BPPOS	R8BPPOS:W8 R position during BP measures	Categ
9	R9BPPOS	R9BPPOS:W9 R position during BP measures	Categ
10	R10BPPOS	R10BPPOS:W10 R position during BP measures	Categ
11	R11BPPOS	R11BPPOS:W11 R position during BP measures	Categ
12	R12BPPOS	R12BPPOS:W12 R position during BP measures	Categ
13	R13BPPOS	R13BPPOS:W13 R position during BP measures	Categ
8	S8BPPOS	S8BPPOS:W8 S position during BP measures	Categ
9	S9BPPOS	S9BPPOS:W9 S position during BP measures	Categ
10	S10BPPOS	S10BPPOS:W10 S position during BP measures	Categ
11	S11BPPOS	S11BPPOS:W11 S position during BP measures	Categ
12	S12BPPOS	S12BPPOS:W12 S position during BP measures	Categ
13	S13BPPOS	S13BPPOS:W13 S position during BP measures	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8BPSYS	7432	130.78	20.78	68.5	225.0

R9BPSYS	6693	131.10	20.46	72.5	224.0
R10BPSYS	8682	130.65	20.87	73.5	233.0
R11BPSYS	8253	128.74	20.27	64.0	225.5
R12BPSYS	7832	128.48	20.18	62.5	233.5
R13BPSYS	8104	127.43	19.24	71.0	223.5
S8BPSYS	4971	129.72	19.94	72.5	219.0
S9BPSYS	4217	130.14	19.74	72.5	224.0
S10BPSYS	5503	129.65	20.26	76.5	219.0
S11BPSYS	5102	127.69	19.35	64.0	225.5
S12BPSYS	4788	127.50	19.47	71.5	233.0
S13BPSYS	4755	126.53	18.51	71.0	222.5
R8BPDIA	7432	79.23	11.81	41.5	144.0
R9BPDIA	6693	78.96	11.51	42.5	145.0
R10BPDIA	8681	80.23	12.08	44.0	141.5
R11BPDIA	8253	78.72	11.90	41.5	153.0
R12BPDIA	7832	78.02	11.72	39.0	142.0
R13BPDIA	8104	78.16	11.44	39.0	137.5
S8BPDIA	4971	79.15	11.42	44.0	144.0
S9BPDIA	4217	78.96	11.08	42.5	127.5
S10BPDIA	5503	79.97	11.81	44.0	136.5
S11BPDIA	5102	78.39	11.51	41.5	153.0
S12BPDIA	4788	77.89	11.32	44.0	142.0
S13BPDIA	4755	77.81	11.09	45.0	130.0
R8BPPULS	7432	70.64	11.48	34.3	133.0
R9BPPULS	6693	70.35	11.39	36.3	141.0
R10BPPULS	8681	70.25	11.42	36.3	144.0
R11BPPULS	8253	70.39	11.46	36.0	131.7
R12BPPULS	7833	70.30	11.52	1.0	142.0
R13BPPULS	8105	70.97	11.44	1.0	130.0
S8BPPULS	4971	70.28	11.34	34.3	133.0
S9BPPULS	4217	69.98	11.27	36.3	141.0
S10BPPULS	5502	69.81	11.21	36.3	144.0
S11BPPULS	5102	69.91	11.30	37.3	131.7
S12BPPULS	4789	69.94	11.47	1.0	142.0
S13BPPULS	4756	70.43	11.05	35.3	116.3
R8BPPOS	7433	1.99	0.09	1.0	3.0
R9BPPOS	6695	1.99	0.10	1.0	3.0
R10BPPOS	8683	1.99	0.09	1.0	3.0
R11BPPOS	8254	1.99	0.11	1.0	3.0
R12BPPOS	7819	1.99	0.11	1.0	3.0
R13BPPOS	8111	1.99	0.12	1.0	3.0
S8BPPOS	4972	1.99	0.09	1.0	3.0
S9BPPOS	4218	1.99	0.09	1.0	3.0
S10BPPOS	5504	1.99	0.09	1.0	3.0
S11BPPOS	5102	1.99	0.11	1.0	3.0
S12BPPOS	4783	1.99	0.11	1.0	3.0
S13BPPOS	4757	1.99	0.11	1.0	3.0

Categorical Variable Codes

RwBPPOS: R position during BP measures											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th	|								8899	8921	10822
.D=DK/NA	|										
.E=R Did not sign Phys Meas	|								589	460	738
.M=Other Missing	|										
.N=R ineligible for Phys Me	|								1190	893	1394
.R=R refused specific test	|										
.S=Skip	|								358	248	397
.X=R reported injury, test	|										
1.Standing	|								53	56	65
2.Sitting	|								7373	6634	8613
3.Lying Down	|								7	5	5

Value		w11	w12	w13
.A=R not asked Phys Meas th	|	10475	9198	10674
.D=DK/NA	|	1	1	1
.E=R Did not sign Phys Meas	|	442	313	588
.M=Other Missing	|		13	1
.N=R ineligible for Phys Me	|	1107	1232	1316
.R=R refused specific test	|		60	104
.S=Skip	|	275	90	83
.X=R reported injury, test	|		21	34
1.Standing	|	87	90	98
2.Sitting	|	8155	7722	8002
3.Lying Down	|	12	7	11

SwBPPOS: S position during BP measures

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										
.E=R Did not sign Phys Meas								332	238	393
.M=Other Missing										
.N=R ineligible for Phys Me								704	457	800
.R=R refused specific test										
.S=Skip								196	125	232
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
.X=R reported injury, test										
1.Standing								34	29	44
2.Sitting								4933	4187	5458
3.Lying Down								5	2	2

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.D=DK/NA	1		1
.E=R Did not sign Phys Meas	225	154	271
.M=Other Missing		6	1
.N=R ineligible for Phys Me	583	662	615
.R=R refused specific test		31	47
.S=Skip	135	35	32
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=R reported injury, test		7	8
1.Standing	54	56	54
2.Sitting	5041	4724	4701
3.Lying Down	7	3	2

How Constructed

RwBPSYS summarizes the Respondent's systolic blood pressure measurements taken during the in-home physical measurements portion of the HRS. RwBPDIA summarizes the Respondent's diastolic blood pressure measurements. RwBPPULS summarizes the Respondent's pulse measurements. RwBPPOS describes the Respondent's position during these measurements.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have blood pressure data. RwBPSYS, RwBPDIA, RwBPPULS, and RwBPPOS are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwBPSYS, RwBPDIA, RwBPULS, and RwBPPOS are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwBPSYS, RwBPDIA, RwBPPULS, and RwBPPOS are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked a series of questions prior to taking blood pressure measurements. Respondents are asked if their left arm is safe to take blood pressure measures on (no open wounds, rashes, etc.). If it is not, Respondents are asked if their right arm is safe. If neither arm is safe, the blood pressure measurements are skipped. RwBPSYS, RwBPDIA, RwBPPULS, and RwBPPOS are set to .X for these Respondents. Also from Wave 12 forward,

Respondents are asked if they feel safe continuing each section of the measurements. RwBPSYS, RwBPDIA, RwBPPULS, and RwBPPOS are set to .R for Respondents who did not feel safe taking the blood pressure measurements.

Blood pressure and pulse measures are taken three times each. If there are three valid systolic blood pressure measurements, RwBPSYS reports the mean of the second and third measurement. Else if there are one or two valid systolic blood pressure measurements, RwBPSYS reports the mean of all valid measurements. Similarly, if there are three valid diastolic blood pressure measurements, RwBPDIA reports the mean of the second and third measurements. Else if there are one or two valid diastolic blood pressure measurements, RwBPDIA reports the mean of all valid measurements. RwBPULS reports the mean of all valid pulse measurements in beats per minute.

The Respondent's blood pressure measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If all of RwBPSYS, RwBPDIA and RwBPPULS are missing for these reasons, RwBPPOS is set to .S.

If a variable is missing and causes an exit from the blood pressure measurements, variables collected afterwards are set to .S if no measurements were taken.

Variables are set to .M if the raw variable does not have data on the measurements, but none of the previous missing codes apply.

SwBPSYS, SwBPDIA, SwBPPULS, and SwBPPOS contain this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to the blood pressure section. Additionally, they are asked if they have any issues with their arms (open wounds, rashes, etc.) that would prevent blood pressure measurements from being taken.

HRS Variables Used

HRS 2006-2016:

xI800	PHYSICAL MEASURES FTF IW
xI802	PHYSICAL MEASURES CONSENT FORM
xI855M1	BLOOD PRESSURE NOT COMPLETE-1
xI859	BLOODPRESSURE 1 SYSTOLIC
xI860	BLOODPRESSURE 1 DIASTOLIC
xI861	BLOODPRESSURE 1 PULSE
xI864	BLOODPRESSURE 2 SYSTOLIC
xI865	BLOODPRESSURE 2 DIASTOLIC
xI866	BLOODPRESSURE 2 PULSE
xI869	BLOODPRESSURE 3 SYSTOLIC
xI870	BLOODPRESSURE 3 DIASTOLIC
xI871	BLOODPRESSURE 3 PULSE
xI874	BLOODPRESSURE POSITION
xPMELIG	2006 PHYSICAL MEASURES ELIGIBILITY

HRS 2014-2016:

xI662	BP SCREENING QUESTION, LEFT ARM
xI663	BP SCREENING QUESTION, RIGHT ARM

xI961 R UNDERSTANDING OF BP PROCEDURE & SAFETY

Physical Measures: Breathing Test

Wave	Variable	Label	Type
8	R8PUFF	R8PUFF:W8 R breathing test	Cont
9	R9PUFF	R9PUFF:W9 R breathing test	Cont
10	R10PUFF	R10PUFF:W10 R breathing test	Cont
11	R11PUFF	R11PUFF:W11 R breathing test	Cont
12	R12PUFF	R12PUFF:W12 R breathing test	Cont
13	R13PUFF	R13PUFF:W13 R breathing test	Cont
8	S8PUFF	S8PUFF:W8 S breathing test	Cont
9	S9PUFF	S9PUFF:W9 S breathing test	Cont
10	S10PUFF	S10PUFF:W10 S breathing test	Cont
11	S11PUFF	S11PUFF:W11 S breathing test	Cont
12	S12PUFF	S12PUFF:W12 S breathing test	Cont
13	S13PUFF	S13PUFF:W13 S breathing test	Cont
8	R8PUFFPOS	R8PUFFPOS:W8 R position during breathing tests	Categ
9	R9PUFFPOS	R9PUFFPOS:W9 R position during breathing tests	Categ
10	R10PUFFPOS	R10PUFFPOS:W10 R position during breathing tests	Categ
11	R11PUFFPOS	R11PUFFPOS:W11 R position during breathing tests	Categ
12	R12PUFFPOS	R12PUFFPOS:W12 R position during breathing tests	Categ
13	R13PUFFPOS	R13PUFFPOS:W13 R position during breathing tests	Categ
8	S8PUFFPOS	S8PUFFPOS:W8 S position during breathing tests	Categ
9	S9PUFFPOS	S9PUFFPOS:W9 S position during breathing tests	Categ
10	S10PUFFPOS	S10PUFFPOS:W10 S position during breathing tests	Categ
11	S11PUFFPOS	S11PUFFPOS:W11 S position during breathing tests	Categ
12	S12PUFFPOS	S12PUFFPOS:W12 S position during breathing tests	Categ
13	S13PUFFPOS	S13PUFFPOS:W13 S position during breathing tests	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8PUFF	7433	358.18	132.77	30.0	870.0
R9PUFF	6705	352.89	132.63	9.0	856.0
R10PUFF	8791	375.88	135.97	20.0	870.0
R11PUFF	8296	372.55	135.05	0.0	860.0
R12PUFF	7870	372.82	133.21	10.0	850.0
R13PUFF	8146	371.87	141.13	0.0	850.0
S8PUFF	4979	382.79	131.08	30.0	870.0
S9PUFF	4220	380.24	131.66	70.0	856.0
S10PUFF	5569	398.30	132.95	30.0	870.0
S11PUFF	5137	398.34	134.50	30.0	860.0
S12PUFF	4810	397.47	130.33	10.0	850.0
S13PUFF	4759	397.26	137.89	30.0	850.0
R8PUFFPOS	7438	1.07	0.26	1.0	3.0
R9PUFFPOS	6709	1.05	0.22	1.0	3.0
R10PUFFPOS	8795	1.03	0.17	1.0	3.0
R11PUFFPOS	8299	1.05	0.23	1.0	3.0
R12PUFFPOS	7873	1.05	0.22	1.0	3.0
R13PUFFPOS	8146	1.04	0.21	1.0	3.0
S8PUFFPOS	4981	1.06	0.24	1.0	3.0
S9PUFFPOS	4223	1.04	0.20	1.0	3.0
S10PUFFPOS	5571	1.02	0.15	1.0	3.0

S11PUFFPOS	5139	1.04	0.20	1.0	3.0
S12PUFFPOS	4811	1.04	0.19	1.0	3.0
S13PUFFPOS	4759	1.03	0.18	1.0	3.0

Categorical Variable Codes

RwPUFFPOS: R position during breathing tests

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	737
.M=Other Missing								1	1	
.N=R ineligible for Phys Me								1190	893	1394
.R=R refused specific test										
.S=Skip								352	233	286
1.Standing								6895	6371	8527
2.Sitting								539	332	265
3.Lying Down								4	6	3

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.E=R Did not sign Phys Meas	442	313	588
.M=Other Missing	1		1
.N=R ineligible for Phys Me	1107	1232	1315
.R=R refused specific test		117	160
.S=Skip	230	14	28
1.Standing	7870	7501	7816
2.Sitting	422	366	320
3.Lying Down	7	6	10

SwPUFFPOS: S position during breathing tests

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								704	457	800
.R=R refused specific test										
.S=Skip								187	120	165
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
1.Standing								4676	4065	5439
2.Sitting								302	155	131
3.Lying Down								3	3	1

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.E=R Did not sign Phys Meas	225	154	271
.N=R ineligible for Phys Me	583	662	615
.R=R refused specific test		48	80
.S=Skip	99	3	7
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.Standing	4940	4638	4614
2.Sitting	195	171	142
3.Lying Down	4	2	3

How Constructed

RwPUFF summarizes the Respondent's performance on breathing test measurements taken during the in-home physical measurements portion of the HRS. RwPUFFPOS describes the Respondent's position during these measurements.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have breathing test data. RwPUFF and RwPUFFPOS are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwPUFF and RwPUFFPOS are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwPUFF and RwPUFFPOS are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked if they feel safe continuing each section of the measurements. RwPUFF and RwPUFFPOS are set to .R for Respondents who did not feel safe taking the breathing test measurements.

Respondents who were otherwise willing to take physical measurements may not have data for breathing test measurements due to space or equipment issues. If there was not a suitable location to carry out the breathing test measurements or there was problems with equipment or supplies, the breathing test measurements are skipped. RwPUFF is set to .L for these Respondents.

The breathing test measurements are taken three times. RwPUFF takes the maximum of all non-missing breathing test measurements for the Respondent. The breathing test is measured in liters per minute.

The Respondent's breathing test measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If RwPUFF is missing for these reasons, RwPUFFPOS is set to .S.

If a variable is missing and causes an exit from the breathing test measurements, variables collected afterwards are set to .S if no measurements were taken. Variables are set to .M if the raw variable does not have data on the measurements, but none of the previous missing codes apply.

SwPUFF and SwPUFFPOS contain this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to the breathing test section.

HRS Variables Used

HRS 2006–2016:

xI800	PHYSICAL MEASURES FTF IW
xI802	PHYSICAL MEASURES CONSENT FORM
xI805M1	BREATH TEST REASON NOT COMPLETE-1
xI807	PUFF TEST 1
xI808	PUFF TEST 2
xI809	PUFF TEST 3
xI811	BREATHING TEST R POSITION
xPMELIG	2006 PHYSICAL MEASURES ELIGIBILITY

HRS 2014–2016:

xI964	BREATHING TEST SAFETY QUESTION
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Physical Measures: Grip Strength

Wave	Variable	Label	Type
8	R8GRP	R8GRP:W8 R hand grip strength maximum measurement	Cont
9	R9GRP	R9GRP:W9 R hand grip strength maximum measurement	Cont
10	R10GRP	R10GRP:W10 R hand grip strength maximum measurement	Cont
11	R11GRP	R11GRP:W11 R hand grip strength maximum measurement	Cont
12	R12GRP	R12GRP:W12 R hand grip strength maximum measurement	Cont
13	R13GRP	R13GRP:W13 R hand grip strength maximum measurement	Cont
8	S8GRP	S8GRP:W8 S hand grip strength maximum measurement	Cont
9	S9GRP	S9GRP:W9 S hand grip strength maximum measurement	Cont
10	S10GRP	S10GRP:W10 S hand grip strength maximum measurement	Cont
11	S11GRP	S11GRP:W11 S hand grip strength maximum measurement	Cont
12	S12GRP	S12GRP:W12 S hand grip strength maximum measurement	Cont
13	S13GRP	S13GRP:W13 S hand grip strength maximum measurement	Cont
8	R8GRPDOM	R8GRPDOM:W8 R dominant hand	Categ
9	R9GRPDOM	R9GRPDOM:W9 R dominant hand	Categ
10	R10GRPDOM	R10GRPDOM:W10 R dominant hand	Categ
11	R11GRPDOM	R11GRPDOM:W11 R dominant hand	Categ
12	R12GRPDOM	R12GRPDOM:W12 R dominant hand	Categ
13	R13GRPDOM	R13GRPDOM:W13 R dominant hand	Categ
8	S8GRPDOM	S8GRPDOM:W8 S dominant hand	Categ
9	S9GRPDOM	S9GRPDOM:W9 S dominant hand	Categ
10	S10GRPDOM	S10GRPDOM:W10 S dominant hand	Categ
11	S11GRPDOM	S11GRPDOM:W11 S dominant hand	Categ
12	S12GRPDOM	S12GRPDOM:W12 S dominant hand	Categ
13	S13GRPDOM	S13GRPDOM:W13 S dominant hand	Categ
8	R8GRPL	R8GRPL:W8 R hand grip strength-Left hand	Cont
9	R9GRPL	R9GRPL:W9 R hand grip strength-Left hand	Cont
10	R10GRPL	R10GRPL:W10 R hand grip strength-Left hand	Cont
11	R11GRPL	R11GRPL:W11 R hand grip strength-Left hand	Cont
12	R12GRPL	R12GRPL:W12 R hand grip strength-Left hand	Cont
13	R13GRPL	R13GRPL:W13 R hand grip strength-Left hand	Cont
8	S8GRPL	S8GRPL:W8 S hand grip strength-Left hand	Cont
9	S9GRPL	S9GRPL:W9 S hand grip strength-Left hand	Cont
10	S10GRPL	S10GRPL:W10 S hand grip strength-Left hand	Cont
11	S11GRPL	S11GRPL:W11 S hand grip strength-Left hand	Cont
12	S12GRPL	S12GRPL:W12 S hand grip strength-Left hand	Cont
13	S13GRPL	S13GRPL:W13 S hand grip strength-Left hand	Cont
8	R8GRPR	R8GRPR:W8 R hand grip strength-Right hand	Cont
9	R9GRPR	R9GRPR:W9 R hand grip strength-Right hand	Cont
10	R10GRPR	R10GRPR:W10 R hand grip strength-Right hand	Cont
11	R11GRPR	R11GRPR:W11 R hand grip strength-Right hand	Cont
12	R12GRPR	R12GRPR:W12 R hand grip strength-Right hand	Cont
13	R13GRPR	R13GRPR:W13 R hand grip strength-Right hand	Cont
8	S8GRPR	S8GRPR:W8 S hand grip strength-Right hand	Cont
9	S9GRPR	S9GRPR:W9 S hand grip strength-Right hand	Cont
10	S10GRPR	S10GRPR:W10 S hand grip strength-Right hand	Cont
11	S11GRPR	S11GRPR:W11 S hand grip strength-Right hand	Cont
12	S12GRPR	S12GRPR:W12 S hand grip strength-Right hand	Cont
13	S13GRPR	S13GRPR:W13 S hand grip strength-Right hand	Cont
8	R8GRPPPOS	R8GRPPPOS:W8 R position during grip strength tests	Categ
9	R9GRPPPOS	R9GRPPPOS:W9 R position during grip strength tests	Categ
10	R10GRPPPOS	R10GRPPPOS:W10 R position during grip strength tests	Categ
11	R11GRPPPOS	R11GRPPPOS:W11 R position during grip strength tests	Categ
12	R12GRPPPOS	R12GRPPPOS:W12 R position during grip strength tests	Categ
13	R13GRPPPOS	R13GRPPPOS:W13 R position during grip strength tests	Categ
8	S8GRPPPOS	S8GRPPPOS:W8 S position during grip strength tests	Categ
9	S9GRPPPOS	S9GRPPPOS:W9 S position during grip strength tests	Categ
10	S10GRPPPOS	S10GRPPPOS:W10 S position during grip strength tests	Categ

11	S11GRPPPOS	S11GRPPPOS:W11	S position during grip strength tests	Categ
12	S12GRPPPOS	S12GRPPPOS:W12	S position during grip strength tests	Categ
13	S13GRPPPOS	S13GRPPPOS:W13	S position during grip strength tests	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8GRP	7405	32.03	11.30	0.5	100.0
R9GRP	6691	30.73	11.02	2.0	100.0
R10GRP	8689	32.19	11.24	0.8	100.0
R11GRP	8179	31.22	11.05	0.0	75.5
R12GRP	7704	30.54	10.97	0.5	185.0
R13GRP	7972	30.88	11.07	0.0	100.0
S8GRP	4980	34.07	11.31	0.5	100.0
S9GRP	4214	33.01	11.09	3.0	100.0
S10GRP	5521	33.99	11.16	3.7	100.0
S11GRP	5084	33.08	11.11	5.0	74.0
S12GRP	4715	32.40	10.93	0.5	185.0
S13GRP	4674	32.66	11.03	0.0	100.0
R8GRPDOM	7408	1.11	0.37	1.0	3.0
R9GRPDOM	6692	1.12	0.38	1.0	3.0
R10GRPDOM	8689	1.12	0.37	1.0	3.0
R11GRPDOM	8180	1.12	0.36	1.0	3.0
R12GRPDOM	7728	1.12	0.37	1.0	3.0
R13GRPDOM	7992	1.13	0.38	1.0	3.0
S8GRPDOM	4982	1.11	0.36	1.0	3.0
S9GRPDOM	4216	1.13	0.39	1.0	3.0
S10GRPDOM	5522	1.11	0.36	1.0	3.0
S11GRPDOM	5083	1.12	0.36	1.0	3.0
S12GRPDOM	4732	1.12	0.37	1.0	3.0
S13GRPDOM	4682	1.13	0.38	1.0	3.0
R8GRPL	7268	29.18	11.00	0.5	74.5
R9GRPL	6561	27.61	10.51	0.0	85.0
R10GRPL	8535	29.07	10.77	0.0	100.0
R11GRPL	8013	28.08	10.64	0.0	74.0
R12GRPL	7493	27.60	10.36	0.0	185.0
R13GRPL	7773	27.82	10.55	0.0	100.0
S8GRPL	4913	31.04	11.05	0.5	74.5
S9GRPL	4135	29.73	10.61	0.0	85.0
S10GRPL	5434	30.71	10.70	0.0	100.0
S11GRPL	4997	29.78	10.72	0.0	74.0
S12GRPL	4608	29.34	10.42	0.5	185.0
S13GRPL	4571	29.42	10.55	0.0	100.0
R8GRPR	7264	31.42	11.27	0.5	100.0
R9GRPR	6572	30.15	11.17	0.0	100.0
R10GRPR	8490	31.68	11.37	0.0	100.0
R11GRPR	7992	30.68	11.21	0.0	75.5
R12GRPR	7441	30.07	10.99	0.0	180.5
R13GRPR	7721	30.40	11.14	0.0	100.0

S8GRPR	4907	33.42	11.30	0.5	100.0
S9GRPR	4157	32.40	11.20	0.0	100.0
S10GRPR	5423	33.43	11.31	0.0	100.0
S11GRPR	4975	32.55	11.27	0.0	71.0
S12GRPR	4573	31.87	10.96	0.0	155.0
S13GRPR	4547	32.16	11.07	0.0	100.0
R8GRPPPOS	7408	1.05	0.22	1.0	3.0
R9GRPPPOS	6695	1.04	0.21	1.0	3.0
R10GRPPPOS	8690	1.03	0.16	1.0	3.0
R11GRPPPOS	8183	1.05	0.21	1.0	3.0
R12GRPPPOS	7702	1.05	0.22	1.0	3.0
R13GRPPPOS	7970	1.06	0.23	1.0	3.0
S8GRPPPOS	4982	1.04	0.20	1.0	3.0
S9GRPPPOS	4217	1.03	0.17	1.0	3.0
S10GRPPPOS	5522	1.02	0.14	1.0	2.0
S11GRPPPOS	5085	1.03	0.19	1.0	3.0
S12GRPPPOS	4714	1.04	0.19	1.0	3.0
S13GRPPPOS	4673	1.05	0.21	1.0	3.0

Categorical Variable Codes

RwGRPDOM: R dominant hand

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA								4	3	3
.E=R Did not sign Phys Meas								589	460	737
.L=Unsuitable Location/Eqpt								8	11	27
.M=Other Missing								14	18	111
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test								213	112	85
.W=R Unable to perform spec								8	4	5
.X=R reported injury, test								135	103	161
1.Right Hand								6711	6012	7791
2.Left Hand								563	545	763
3.Both Hands Equally Domina								134	135	135

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.D=DK/NA	4		2
.E=R Did not sign Phys Meas	442	313	588
.L=Unsuitable Location/Eqpt	8	1	13
.M=Other Missing	21	7	16
.N=R ineligible for Phys Me	1107	1232	1315
.R=R refused specific test	131	88	123
.W=R Unable to perform spec	7	5	5
.X=R reported injury, test	179	175	184
1.Right Hand	7341	6883	7092
2.Left Hand	719	728	771
3.Both Hands Equally Domina	120	117	129

SwGRPDOM: S dominant hand

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA								2	1	1
.E=R Did not sign Phys Meas								332	238	393
.L=Unsuitable Location/Eqpt								1	8	19
.M=Other Missing								6	6	66
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test								111	62	41
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
.W=R Unable to perform spec									3	1
.X=R reported injury, test								65	47	86
1.Right Hand								4533	3766	4970
2.Left Hand								365	366	471
3.Both Hands Equally Domina								84	84	81

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.D=DK/NA	2		
.E=R Did not sign Phys Meas	225	154	271
.L=Unsuitable Location/Eqpt	5	1	9
.M=Other Missing	5	1	4
.N=R ineligible for Phys Me	583	662	615
.R=R refused specific test	56	43	60
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=R Unable to perform spec	1	3	1
.X=R reported injury, test	86	82	90
1.Right Hand	4556	4225	4158
2.Left Hand	460	434	450
3.Both Hands Equally Domina	67	73	74

RwGRPPOS: R position during grip strength tests

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	737
.M=Other Missing										
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								382	248	391
.X=R reported injury, test										
1.Standing								7027	6411	8458
2.Sitting								378	280	230
3.Lying Down								3	4	2

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.E=R Did not sign Phys Meas	442	313	588
.M=Other Missing		2	1
.N=R ineligible for Phys Me	1107	1232	1315
.R=R refused specific test		53	102
.S=Skip	347	31	37
.X=R reported injury, test		216	225
1.Standing	7818	7329	7542
2.Sitting	357	367	416
3.Lying Down	8	6	12

SwGRPPOS: S position during grip strength tests

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	393
.M=Other Missing										
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								185	126	214
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
.X=R reported injury, test										
1.Standing								4790	4091	5418
2.Sitting								190	124	104
3.Lying Down								2	2	

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.E=R Did not sign Phys Meas	225	154	271
.M=Other Missing		1	1
.N=R ineligible for Phys Me	583	662	615
.R=R refused specific test		28	51
.S=Skip	153	18	12
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=R reported injury, test		101	109
1.Standing	4918	4535	4462
2.Sitting	162	178	207
3.Lying Down	5	1	4

How Constructed

RwGRP summarizes the Respondent's grip strength measurements taken during the in-home physical measurements portion of the HRS. RwGRPL summarizes the Respondent's left-handed grip strength measurements taken during the in-home physical measurements portion of the HRS. RwGRPR summarizes the Respondent's right-handed grip strength measurements. RwGRPDOM lists the Respondent's dominant hand. RwGRPPOS describes the Respondent's position during these measurements.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have grip strength data. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked a series of questions prior to taking grip strength measurements. Respondents are asked if it is safe to conduct grip strength tests on each arm (no severe swelling, pain, hand injury, etc.). Grip strength tests are skipped on any hand that is unsafe for testing. Variables are set to .X if they are skipped due to safety. Also from Wave 12 forward, Respondents are asked if they feel safe continuing each section of the measurements. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .R for Respondents who did not feel safe conducting grip

strength measurements.

Respondents who were otherwise willing to take physical measurements may not have data for grip strength measurements due to space or equipment issues. If there was not a suitable location to carry out the grip strength measurements or there was problems with equipment or supplies, the grip strength measurements are skipped. RwGRP, RwGRPL, RwGRPR, RwGRPDOM and RwGRPPOS are set to .L for these Respondents.

Grip strength measurements are taken twice on each hand. RwGRP reports the maximum value of all valid grip strength measurements. RwGRPL reports the maximum of all non-missing measurements of the Respondent's left-handed grip strength. RwGRPR reports the maximum of all non-missing measurements of the Respondent's right-handed grip strength. Measurements are reported to the nearest 0.5 kilogram.

The Respondent's grip strength measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If RwGRP, RwGRPL, RwGRPR and RwGRPDOM are missing for these reasons, RwGRPPOS is set to .S.

If a variable is missing and causes an exit from the grip strength measurements, variables collected afterwards are set to .S if no measurements were taken. Variables are set to .M if the raw variable does not have data on the measurements, but none of the previous missing codes apply.

SwGRP, SwGRPL, SwGRPR, SwGRPDOM and SwGRPPOS contain this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to the grip strength section. Additionally, they are asked if they have any issues with either hand (severe swelling, pain, hand injury, etc.) that would prevent grip strength measurements from being taken.

HRS Variables Used

HRS 2006-2016:

xI800	PHYSICAL MEASURES FTF IW
xI802	PHYSICAL MEASURES CONSENT FORM
xI813M1	HAND STRENGTH TEST REASON NOT COMPLETE-1
xI815	GRIP DOMINANT HAND
xI816	LEFT HAND FIRST
xI818	HAND STRENGTH TEST R POSITION
xI851	RIGHT HAND FIRST
xI852	LEFT HAND SECOND
xI853	RIGHT HAND SECOND
xPMELIG	2006 PHYSICAL MEASURES ELIGIBILITY

HRS 2014-2016:

xI967	AFFECTED HAND(S)
xI968	HAND-STRENGTH SAFETY QUESTION

Physical Measures: Balance Tests

Wave	Variable	Label	Type
8	R8BALSEMI	R8BALSEMI:W8 R semi tandem balance test time	Cont
9	R9BALSEMI	R9BALSEMI:W9 R semi tandem balance test time	Cont
10	R10BALSEMI	R10BALSEMI:W10 R semi tandem balance test time	Cont
11	R11BALSEMI	R11BALSEMI:W11 R semi tandem balance test time	Cont
12	R12BALSEMI	R12BALSEMI:W12 R semi tandem balance test time	Cont
13	R13BALSEMI	R13BALSEMI:W13 R semi tandem balance test time	Cont
8	S8BALSEMI	S8BALSEMI:W8 S semi tandem balance test time	Cont
9	S9BALSEMI	S9BALSEMI:W9 S semi tandem balance test time	Cont
10	S10BALSEMI	S10BALSEMI:W10 S semi tandem balance test time	Cont
11	S11BALSEMI	S11BALSEMI:W11 S semi tandem balance test time	Cont
12	S12BALSEMI	S12BALSEMI:W12 S semi tandem balance test time	Cont
13	S13BALSEMI	S13BALSEMI:W13 S semi tandem balance test time	Cont
8	R8BALSEMIC	R8BALSEMIC:W8 R semi tandem balance test-Compensatory movements	Categ
9	R9BALSEMIC	R9BALSEMIC:W9 R semi tandem balance test-Compensatory movements	Categ
10	R10BALSEMIC	R10BALSEMIC:W10 R semi tandem balance test-Compensatory movements	Categ
11	R11BALSEMIC	R11BALSEMIC:W11 R semi tandem balance test-Compensatory movements	Categ
12	R12BALSEMIC	R12BALSEMIC:W12 R semi tandem balance test-Compensatory movements	Categ
13	R13BALSEMIC	R13BALSEMIC:W13 R semi tandem balance test-Compensatory movements	Categ
8	S8BALSEMIC	S8BALSEMIC:W8 S semi tandem balance test-Compensatory movements	Categ
9	S9BALSEMIC	S9BALSEMIC:W9 S semi tandem balance test-Compensatory movements	Categ
10	S10BALSEMIC	S10BALSEMIC:W10 S semi tandem balance test-Compensatory movements	Categ
11	S11BALSEMIC	S11BALSEMIC:W11 S semi tandem balance test-Compensatory movements	Categ
12	S12BALSEMIC	S12BALSEMIC:W12 S semi tandem balance test-Compensatory movements	Categ
13	S13BALSEMIC	S13BALSEMIC:W13 S semi tandem balance test-Compensatory movements	Categ
8	R8BALSBS	R8BALSBS:W8 R side-by-side balance test time	Cont
9	R9BALSBS	R9BALSBS:W9 R side-by-side balance test time	Cont
10	R10BALSBS	R10BALSBS:W10 R side-by-side balance test time	Cont
11	R11BALSBS	R11BALSBS:W11 R side-by-side balance test time	Cont
12	R12BALSBS	R12BALSBS:W12 R side-by-side balance test time	Cont
13	R13BALSBS	R13BALSBS:W13 R side-by-side balance test time	Cont
8	S8BALSBS	S8BALSBS:W8 S side-by-side balance test time	Cont
9	S9BALSBS	S9BALSBS:W9 S side-by-side balance test time	Cont
10	S10BALSBS	S10BALSBS:W10 S side-by-side balance test time	Cont
11	S11BALSBS	S11BALSBS:W11 S side-by-side balance test time	Cont
12	S12BALSBS	S12BALSBS:W12 S side-by-side balance test time	Cont
13	S13BALSBS	S13BALSBS:W13 S side-by-side balance test time	Cont
8	R8BALSBSC	R8BALSBSC:W8 R side-by-side balance test-Compensatory movements	Categ
9	R9BALSBSC	R9BALSBSC:W9 R side-by-side balance test-Compensatory movements	Categ
10	R10BALSBSC	R10BALSBSC:W10 R side-by-side balance test-Compensatory movements	Categ
11	R11BALSBSC	R11BALSBSC:W11 R side-by-side balance test-Compensatory movements	Categ
12	R12BALSBSC	R12BALSBSC:W12 R side-by-side balance test-Compensatory movements	Categ
13	R13BALSBSC	R13BALSBSC:W13 R side-by-side balance test-Compensatory movements	Categ
8	S8BALSBSC	S8BALSBSC:W8 S side-by-side balance test-Compensatory movements	Categ
9	S9BALSBSC	S9BALSBSC:W9 S side-by-side balance test-Compensatory movements	Categ
10	S10BALSBSC	S10BALSBSC:W10 S side-by-side balance test-Compensatory movements	Categ
11	S11BALSBSC	S11BALSBSC:W11 S side-by-side balance test-Compensatory movements	Categ
12	S12BALSBSC	S12BALSBSC:W12 S side-by-side balance test-Compensatory movements	Categ
13	S13BALSBSC	S13BALSBSC:W13 S side-by-side balance test-Compensatory movements	Categ
8	R8BALFUL	R8BALFUL:W8 R full tandem balance test time	Cont
9	R9BALFUL	R9BALFUL:W9 R full tandem balance test time	Cont
10	R10BALFUL	R10BALFUL:W10 R full tandem balance test time	Cont
11	R11BALFUL	R11BALFUL:W11 R full tandem balance test time	Cont
12	R12BALFUL	R12BALFUL:W12 R full tandem balance test time	Cont
13	R13BALFUL	R13BALFUL:W13 R full tandem balance test time	Cont
8	S8BALFUL	S8BALFUL:W8 S full tandem balance test time	Cont
9	S9BALFUL	S9BALFUL:W9 S full tandem balance test time	Cont
10	S10BALFUL	S10BALFUL:W10 S full tandem balance test time	Cont

11	S11BALFUL	S11BALFUL:W11 S full tandem balance test time	Cont
12	S12BALFUL	S12BALFUL:W12 S full tandem balance test time	Cont
13	S13BALFUL	S13BALFUL:W13 S full tandem balance test time	Cont
8	R8BALFULC	R8BALFULC:W8 R full tandem balance test-Compensatory movements	Categ
9	R9BALFULC	R9BALFULC:W9 R full tandem balance test-Compensatory movements	Categ
10	R10BALFULC	R10BALFULC:W10 R full tandem balance test-Compensatory movements	Categ
11	R11BALFULC	R11BALFULC:W11 R full tandem balance test-Compensatory movements	Categ
12	R12BALFULC	R12BALFULC:W12 R full tandem balance test-Compensatory movements	Categ
13	R13BALFULC	R13BALFULC:W13 R full tandem balance test-Compensatory movements	Categ
8	S8BALFULC	S8BALFULC:W8 S full tandem balance test-Compensatory movements	Categ
9	S9BALFULC	S9BALFULC:W9 S full tandem balance test-Compensatory movements	Categ
10	S10BALFULC	S10BALFULC:W10 S full tandem balance test-Compensatory movements	Categ
11	S11BALFULC	S11BALFULC:W11 S full tandem balance test-Compensatory movements	Categ
12	S12BALFULC	S12BALFULC:W12 S full tandem balance test-Compensatory movements	Categ
13	S13BALFULC	S13BALFULC:W13 S full tandem balance test-Compensatory movements	Categ
8	R8BALFULT	R8BALFULT:W8 R full tandem balance test-Completed	Categ
9	R9BALFULT	R9BALFULT:W9 R full tandem balance test-Completed	Categ
10	R10BALFULT	R10BALFULT:W10 R full tandem balance test-Completed	Categ
11	R11BALFULT	R11BALFULT:W11 R full tandem balance test-Completed	Categ
12	R12BALFULT	R12BALFULT:W12 R full tandem balance test-Completed	Categ
13	R13BALFULT	R13BALFULT:W13 R full tandem balance test-Completed	Categ
8	S8BALFULT	S8BALFULT:W8 S full tandem balance test-Completed	Categ
9	S9BALFULT	S9BALFULT:W9 S full tandem balance test-Completed	Categ
10	S10BALFULT	S10BALFULT:W10 S full tandem balance test-Completed	Categ
11	S11BALFULT	S11BALFULT:W11 S full tandem balance test-Completed	Categ
12	S12BALFULT	S12BALFULT:W12 S full tandem balance test-Completed	Categ
13	S13BALFULT	S13BALFULT:W13 S full tandem balance test-Completed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8BALSEMI	6983	9.83	1.03	0.0	10.0
R9BALSEMI	6359	9.72	1.40	0.0	10.0
R10BALSEMI	8378	9.79	1.16	0.0	10.0
R11BALSEMI	7797	9.79	1.21	0.0	10.0
R12BALSEMI	7347	9.76	1.26	0.0	10.0
R13BALSEMI	7644	9.73	1.36	0.0	10.0
S8BALSEMI	4791	9.89	0.79	0.0	10.0
S9BALSEMI	4084	9.82	1.13	0.0	10.0
S10BALSEMI	5392	9.84	1.01	0.0	10.0
S11BALSEMI	4925	9.86	0.99	0.0	10.0
S12BALSEMI	4565	9.80	1.13	0.0	10.0
S13BALSEMI	4562	9.83	1.07	0.0	10.0
R8BALSEMIC	6986	0.17	0.38	0.0	1.0
R9BALSEMIC	6360	0.18	0.38	0.0	1.0
R10BALSEMIC	8381	0.16	0.37	0.0	1.0
R11BALSEMIC	7798	0.18	0.39	0.0	1.0
R12BALSEMIC	7345	0.17	0.37	0.0	1.0
R13BALSEMIC	7653	0.18	0.39	0.0	1.0
S8BALSEMIC	4794	0.15	0.35	0.0	1.0
S9BALSEMIC	4085	0.15	0.36	0.0	1.0
S10BALSEMIC	5393	0.14	0.35	0.0	1.0
S11BALSEMIC	4926	0.16	0.37	0.0	1.0
S12BALSEMIC	4564	0.14	0.34	0.0	1.0

S13BALSEMIC	4567	0.16	0.36	0.0	1.0
R8BALSBS	497	9.81	1.07	0.0	10.0
R9BALSBS	486	9.77	1.25	0.0	10.0
R10BALSBS	544	9.75	1.36	0.0	10.0
R11BALSBS	547	9.75	1.36	0.0	10.0
R12BALSBS	641	9.77	1.20	0.0	10.0
R13BALSBS	715	9.60	1.66	0.0	10.0
S8BALSBS	217	9.88	0.87	2.0	10.0
S9BALSBS	206	9.69	1.50	0.0	10.0
S10BALSBS	265	9.75	1.29	0.0	10.0
S11BALSBS	241	9.86	0.86	2.1	10.0
S12BALSBS	289	9.79	1.06	1.8	10.0
S13BALSBS	297	9.63	1.64	0.0	10.0
R8BALSBS	497	0.28	0.45	0.0	1.0
R9BALSBS	486	0.27	0.44	0.0	1.0
R10BALSBS	544	0.26	0.44	0.0	1.0
R11BALSBS	548	0.24	0.43	0.0	1.0
R12BALSBS	642	0.20	0.40	0.0	1.0
R13BALSBS	718	0.27	0.44	0.0	1.0
S8BALSBS	217	0.24	0.43	0.0	1.0
S9BALSBS	206	0.24	0.43	0.0	1.0
S10BALSBS	265	0.25	0.43	0.0	1.0
S11BALSBS	242	0.24	0.43	0.0	1.0
S12BALSBS	290	0.19	0.39	0.0	1.0
S13BALSBS	300	0.26	0.44	0.0	1.0
R8BALFUL	6238	43.41	19.44	0.0	60.0
R9BALFUL	5752	40.62	20.32	0.0	60.0
R10BALFUL	7698	44.00	19.90	0.0	60.0
R11BALFUL	7149	42.87	20.19	0.0	60.0
R12BALFUL	6779	41.46	20.48	0.0	60.0
R13BALFUL	7060	43.93	20.25	0.0	60.0
S8BALFUL	4399	45.40	18.72	0.0	60.0
S9BALFUL	3824	42.91	19.65	0.0	60.0
S10BALFUL	5032	45.89	18.93	0.0	60.0
S11BALFUL	4638	45.02	19.38	0.0	60.0
S12BALFUL	4298	43.61	19.71	0.0	60.0
S13BALFUL	4311	45.54	19.62	0.0	60.0
R8BALFULC	6240	0.44	0.50	0.0	1.0
R9BALFULC	5751	0.48	0.50	0.0	1.0
R10BALFULC	7699	0.44	0.50	0.0	1.0
R11BALFULC	7149	0.46	0.50	0.0	1.0
R12BALFULC	6784	0.48	0.50	0.0	1.0
R13BALFULC	7066	0.48	0.50	0.0	1.0
S8BALFULC	4402	0.41	0.49	0.0	1.0
S9BALFULC	3824	0.46	0.50	0.0	1.0
S10BALFULC	5032	0.41	0.49	0.0	1.0
S11BALFULC	4639	0.43	0.50	0.0	1.0
S12BALFULC	4302	0.45	0.50	0.0	1.0
S13BALFULC	4317	0.45	0.50	0.0	1.0
R8BALFULT	6238	0.78	0.41	0.0	1.0

R9BALFULT	5752	0.75	0.43	0.0	1.0
R10BALFULT	7698	0.77	0.42	0.0	1.0
R11BALFULT	7149	0.76	0.43	0.0	1.0
R12BALFULT	6779	0.73	0.44	0.0	1.0
R13BALFULT	7060	0.75	0.43	0.0	1.0
S8BALFULT	4399	0.81	0.39	0.0	1.0
S9BALFULT	3824	0.78	0.41	0.0	1.0
S10BALFULT	5032	0.81	0.39	0.0	1.0
S11BALFULT	4638	0.80	0.40	0.0	1.0
S12BALFULT	4298	0.77	0.42	0.0	1.0
S13BALFULT	4311	0.78	0.42	0.0	1.0

Categorical Variable Codes

RwBALSEMIC: R semi tandem balance test-Compensatory movements

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th	|								8899	8921	10822
.D=DK/NA	|										1
.E=R Did not sign Phys Meas	|								589	460	738
.N=R ineligible for Phys Me	|								1191	893	1394
.R=R refused specific test	|										
.S=Skip	|								804	583	698
0.No	|								5789	5222	7000
1.Yes	|								1197	1138	1381

Value		w11	w12	w13
.A=R not asked Phys Meas th	|	10475	9198	10674
.D=DK/NA	|	1	2	
.E=R Did not sign Phys Meas	|	443	313	588
.N=R ineligible for Phys Me	|	1107	1232	1318
.R=R refused specific test	|		576	589
.S=Skip	|	730	81	90
0.No	|	6373	6128	6260
1.Yes	|	1425	1217	1393

SwBALSEMIC: S semi tandem balance test-Compensatory movements

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										1
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								373	258	342
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
0.No								4090	3457	4620
1.Yes								704	628	773

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.D=DK/NA	1	1	
.E=R Did not sign Phys Meas	225	154	271
.N=R ineligible for Phys Me	583	662	617
.R=R refused specific test		265	247
.S=Skip	311	32	30
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	4119	3938	3856
1.Yes	807	626	711

RwBALSBSC: R side-by-side balance test-Compensatory movements

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	739
.N=R ineligible for Phys Me								1191	893	1396
.R=R refused specific test										
.S=Skip								7293	6457	8533
0.No								356	356	402
1.Yes								141	130	142

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.E=R Did not sign Phys Meas	444	313	588
.N=R ineligible for Phys Me	1107	1232	1349
.R=R refused specific test		356	347
.S=Skip	7980	7006	7236
0.No	414	516	524
1.Yes	134	126	194

SwBALSBSC: S side-by-side balance test-Compensatory movements

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	394
.N=R ineligible for Phys Me								705	457	801
.R=R refused specific test										
.S=Skip								4950	4137	5469
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
0.No								165	157	199
1.Yes								52	49	66

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.E=R Did not sign Phys Meas	225	154	271
.N=R ineligible for Phys Me	583	662	633
.R=R refused specific test		173	137
.S=Skip	4996	4399	4391
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	184	236	221
1.Yes	58	54	79

RwBALFULC: R full tandem balance test-Compensatory movements

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA								1	1	1
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1395
.R=R refused specific test										
.S=Skip								1549	1191	1379
0.No								3496	3003	4273
1.Yes								2744	2748	3426

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.D=DK/NA	1	1	
.E=R Did not sign Phys Meas	443	313	588
.N=R ineligible for Phys Me	1107	1232	1320
.R=R refused specific test		469	563
.S=Skip	1379	750	701
0.No	3849	3509	3675
1.Yes	3300	3275	3391

SwBALFULC: S full tandem balance test-Compensatory movements

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										1
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								765	519	703
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
0.No								2599	2082	2952
1.Yes								1803	1742	2080

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.D=DK/NA			
.E=R Did not sign Phys Meas	225	154	271
.N=R ineligible for Phys Me	583	662	617
.R=R refused specific test		216	248
.S=Skip	599	344	279
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	2643	2356	2356
1.Yes	1996	1946	1961

RwBALFULT: R full tandem balance test-Completed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1395
.R=R refused specific test										
.S=Skip								498	290	341
.T=Skip, R failed Semi-Tand								1054	901	1040
0.No								1367	1455	1736
1.Yes								4871	4297	5962

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.E=R Did not sign Phys Meas	443	313	588
.N=R ineligible for Phys Me	1107	1232	1320
.R=R refused specific test			117
.S=Skip	347	217	95
.T=Skip, R failed Semi-Tand	1033	1008	1058
0.No	1717	1833	1781
1.Yes	5432	4946	5279

SwBALFULT: S full tandem balance test-Completed

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								282	126	188
.T=Skip, R failed Semi-Tand								486	393	516
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
0.No								819	834	952
1.Yes								3580	2990	4080

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.E=R Did not sign Phys Meas	225	154	271
.N=R ineligible for Phys Me	583	662	617
.R=R refused specific test			50
.S=Skip	151	98	54
.T=Skip, R failed Semi-Tand	449	466	429
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	919	991	960
1.Yes	3719	3307	3351

How Constructed

RwBALSEMI records the time the Respondent held a Semi-Tandem stand during the in-home physical measurements portion of the HRS. RwBALSBS records the time the Respondent held a Side-by-Side stand. RwBALFUL records the time the Respondent held a Full-Tandem stand. RwBALFULT records if the Respondent held a Full-Tandem stand the maximum amount of time applicable to them. RwBALSEMIC, RwBALSBS and RwBALFULC describe whether the Respondent made any compensatory movements during each respective test.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have balance test data. These variables are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. These variables are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. These variables are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked if they feel safe continuing each section of the measurements. A separate question is asked for each type of balance test (Semi-Tandem, Side-by-Side and Full-Tandem). The corresponding time held and compensatory movement variables are set to .R for Respondents who did not feel safe taking a balance test.

Respondents who were otherwise willing to take physical measurements may not have data for balance measurements due to space or equipment issues. If there was not a suitable location to carry out the balance measurements or there was problems with equipment or supplies, the balance measurements are skipped. These variables are set to .L for these Respondents.

Respondents who take the balance tests are first asked to hold a semi-tandem stand for 10 seconds. The time the Respondent was able to hold the semi-tandem stand is recorded in RwbALSEMI in seconds, up to two decimal places. RwbALSEMIC records if the Respondent made any compensatory movements to steady themselves during this test.

If the Respondent was unable to hold the semi-tandem stand for 10 seconds, they are asked to hold a side-by-side stand for 30 seconds. The time the Respondent was able to hold the side-by-side stand is recorded in RwbALSBS in seconds, up to two decimal places. RwbALSBS records if the Respondent made any compensatory movements to steady themselves during this test.

If the Respondent was able to hold the semi-tandem stand for 10 seconds, they are asked to hold a full-tandem stand. Respondents under the age of 70 are asked to hold the full-tandem stand for one minute, while Respondents 70 and older are asked to hold the full-tandem stand for 30 seconds. The time the Respondent was able to hold the full-tandem stand is recorded in RwbALFUL in seconds, up to two decimal places. RwbALFULT reports if the respondent held the full-tandem stand the maximum amount of time that they were asked to hold it for. RwbALFULC records if the Respondent made any compensatory movements to steady themselves during this test.

The Respondent's balance test measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If a variable is missing for these reasons, the corresponding Compensatory Movements variable is set to .S.

If a variable is missing and causes an exit from the balance test measurements, variables collected afterwards are set to .S if no measurements were taken. Variables are set to .M if the raw variable does not have data on the measurements, but none of the previous missing codes apply.

SwBALSEMI, SwBALSBS, SwBALFUL, SwBALSEMIC, SwBALSBS, SwBALFULC and SwBALFULT contain this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to each new balance test.

HRS Variables Used

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HRS 2016:
  PI975          R UNDERSTANDING OF FULL TANDEM BALANCE TEST PROCEDURE
HRS 2006-2016:
  xA019          R CURRENT AGE CALCULATION
  xI800          PHYSICAL MEASURES FTF IW
  xI802          PHYSICAL MEASURES CONSENT FORM
  xI877M1        BALANCE SEMI-TANDEM REASON NOT COMP-1
  xI880          BALANCE TEST SEMI-TANDEM TIME
  xI881          BALANCE TEST SEMI-TANDEM COMPENSATORY
  xI884M1        BALANCE TEST SBS STAND REASON NOT COMP-1
  xI887          BALANCE TEST SIDE-BY-SIDE TIME
  xI888          BALANCE TEST SIDE-BY-SIDE COMPENSATORY
  xI894M1        BALANCE FULL TANDEM STAND-NOT COMPLETE-1
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xI897	BALANCE TEST FULL TANDEM TIME
xI898	BALANCE TEST FULL TANDEM COMPENSATORY
xPMELIG	2006 PHYSICAL MEASURES ELIGIBILITY
HRS 2014-2016:	
xI616	R INJURY/DISCOMFORT DISCUSSION
xI971	SEMI-TANDEM SAFETY QUESTION
xI973	SIDE-BY-SIDE SAFETY QUESTION

Physical Measures: Timed Walk

Wave	Variable	Label	Type
8	R8TIMWLK	R8TIMWLK:W8 R timed walk test time	Cont
9	R9TIMWLK	R9TIMWLK:W9 R timed walk test time	Cont
10	R10TIMWLK	R10TIMWLK:W10 R timed walk test time	Cont
11	R11TIMWLK	R11TIMWLK:W11 R timed walk test time	Cont
12	R12TIMWLK	R12TIMWLK:W12 R timed walk test time	Cont
13	R13TIMWLK	R13TIMWLK:W13 R timed walk test time	Cont
8	S8TIMWLK	S8TIMWLK:W8 S timed walk test time	Cont
9	S9TIMWLK	S9TIMWLK:W9 S timed walk test time	Cont
10	S10TIMWLK	S10TIMWLK:W10 S timed walk test time	Cont
11	S11TIMWLK	S11TIMWLK:W11 S timed walk test time	Cont
12	S12TIMWLK	S12TIMWLK:W12 S timed walk test time	Cont
13	S13TIMWLK	S13TIMWLK:W13 S timed walk test time	Cont
8	R8TIMWLKA	R8TIMWLKA:W8 R timed walk test-Walking aid used	Categ
9	R9TIMWLKA	R9TIMWLKA:W9 R timed walk test-Walking aid used	Categ
10	R10TIMWLKA	R10TIMWLKA:W10 R timed walk test-Walking aid used	Categ
11	R11TIMWLKA	R11TIMWLKA:W11 R timed walk test-Walking aid used	Categ
12	R12TIMWLKA	R12TIMWLKA:W12 R timed walk test-Walking aid used	Categ
13	R13TIMWLKA	R13TIMWLKA:W13 R timed walk test-Walking aid used	Categ
8	S8TIMWLKA	S8TIMWLKA:W8 S timed walk test-Walking aid used	Categ
9	S9TIMWLKA	S9TIMWLKA:W9 S timed walk test-Walking aid used	Categ
10	S10TIMWLKA	S10TIMWLKA:W10 S timed walk test-Walking aid used	Categ
11	S11TIMWLKA	S11TIMWLKA:W11 S timed walk test-Walking aid used	Categ
12	S12TIMWLKA	S12TIMWLKA:W12 S timed walk test-Walking aid used	Categ
13	S13TIMWLKA	S13TIMWLKA:W13 S timed walk test-Walking aid used	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8TIMWLK	4072	3.61	1.93	2.0	29.0
R9TIMWLK	3979	3.75	2.22	2.0	35.5
R10TIMWLK	3842	3.56	1.81	2.0	34.2
R11TIMWLK	3708	3.55	2.30	2.0	81.0
R12TIMWLK	3923	3.61	1.87	2.0	36.0
R13TIMWLK	3444	3.75	2.46	2.0	90.0
S8TIMWLK	2532	3.39	1.78	2.0	25.3
S9TIMWLK	2359	3.47	1.93	2.0	30.2
S10TIMWLK	2368	3.33	1.50	2.0	27.2
S11TIMWLK	2177	3.25	1.47	2.0	29.6
S12TIMWLK	2294	3.37	1.69	2.0	36.0
S13TIMWLK	1946	3.44	1.41	2.0	19.2
R8TIMWLKA	4075	1.07	0.42	1.0	7.0
R9TIMWLKA	3979	1.10	0.52	1.0	7.0
R10TIMWLKA	3842	1.07	0.45	1.0	7.0
R11TIMWLKA	3708	1.11	0.55	1.0	7.0
R12TIMWLKA	3924	1.11	0.53	1.0	7.0
R13TIMWLKA	3450	1.11	0.52	1.0	7.0
S8TIMWLKA	2535	1.03	0.28	1.0	7.0
S9TIMWLKA	2359	1.07	0.42	1.0	7.0
S10TIMWLKA	2368	1.05	0.36	1.0	7.0

S11TIMWLKA	2177	1.07	0.40	1.0	7.0
S12TIMWLKA	2294	1.07	0.39	1.0	4.0
S13TIMWLKA	1948	1.06	0.38	1.0	4.0

Categorical Variable Codes

RwTIMWLKA: R timed walk test-Walking aid used

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.E=R Did not sign Phys Meas								589	460	739
.M=Other Missing										
.N=R ineligible for Phys Me								1191	893	1394
.S=Skip								3715	2964	5237
1.None								3923	3782	3696
2.Walking Stick or Cane								101	101	86
3.Elbow Crutches										
4.Walking Frame								45	90	54
7.Other								6	6	6

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.E=R Did not sign Phys Meas	444	313	588
.M=Other Missing		362	302
.N=R ineligible for Phys Me	1107	1232	1342
.S=Skip	4820	3718	4556
1.None	3500	3704	3257
2.Walking Stick or Cane	108	118	109
3.Elbow Crutches	1		
4.Walking Frame	93	98	80
7.Other	6	4	4

SwTIMWLKA: S timed walk test-Walking aid used

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.E=R Did not sign Phys Meas								332	238	394
.M=Other Missing										
.N=R ineligible for Phys Me								705	457	800
.S=Skip								2632	1984	3367
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
1.None								2478	2278	2303
2.Walking Stick or Cane								45	47	44
3.Elbow Crutches										
4.Walking Frame								10	31	18
7.Other								2	3	3

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.E=R Did not sign Phys Meas	225	154	271
.M=Other Missing		163	115
.N=R ineligible for Phys Me	583	662	631
.S=Skip	3061	2405	2767
.U=Unmarried	7474	7125	8024

.V=Spouse NR	|	592	610	1109
1.None	|	2097	2207	1885
2.Walking Stick or Cane	|	47	52	34
3.Elbow Crutches	|	1		
4.Walking Frame	|	31	35	29
7.Other	|	1		

How Constructed

RwTIMWLK summarizes the Respondent's performance in the timed walk tests during the in-home physical measurements portion of the HRS. RwTIMWLKA describes the type of walking aid that the Respondent used during these measurements.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have timed walk data. RwTIMWLK and RwTIMWLKA are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwTIMWLK and RwTIMWLKA are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwTIMWLK and RwTIMWLKA are set to .E for these Respondents.

From Wave 12 forward, Respondents aged 65 and older who consent to having physical measurements taken are asked a series of questions prior to taking timed walk tests. Respondents are asked if they have any problems from recent surgery, injury, or other health conditions that might prevent them from walking. If the Respondent answers that they have a restriction, the timed walk tests are skipped. RwTIMWLK and RwTIMWLKA are set to .X for these Respondents. Also from Wave 12 forward, Respondents are asked if they feel safe continuing each section of the measurements. RwTIMWLK and RwTIMWLKA are set to .R for Respondents who did not feel safe taking the timed walk tests.

Respondents under the age of 65 are not asked to complete timed walk measurements. Respondents who were eligible to take physical measurement tests in a wave and had signed the consent form but were under the age of 65 are given a value of .S for RwTIMWLK and RwTIMWLKA.

Timed walk tests are taken two times. Respondents were timed as they walked 98.5 inches at a normal pace. Measurements are taken in seconds to two decimal places. RwTIMWLK takes the minimum of all non-missing measurements. RwTIMWLKA records the type of walking aid that the Respondent used during the measurements.

The Respondent's timed walk measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If RwTIMWLK is missing for these reasons, RwTIMWLKA is set to .S.

SwTIMWLK and SwTIMWLKA contain this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to the timed walk section. Additionally, they are asked if they have any health issues that would prevent timed walk measurements from being taken.

HRS Variables Used

HRS 2006–2016:

xA019	R CURRENT AGE CALCULATION
xi800	PHYSICAL MEASURES FTF IW
xi802	PHYSICAL MEASURES CONSENT FORM
xi821M1	WALKING TEST REASON NOT COMPLETE-1
xi823	WALKING TEST 1ST TRIAL TIME
xi824	WALKING TEST 2ND TRIAL TIME
xi828	WALKING AID TYPE
xPMELIG	2006 PHYSICAL MEASURES ELIGIBILITY

HRS 2014–2016:

xi977	WALKING SPEED SCREENING QUESTION
xi978	R UNDERSTANDING OF WALKING SPEED PROCEDURE

Physical Measures: BMI, Height, Weight, Waist

Wave	Variable	Label	Type
8	R8PMBMI	R8PMBMI:W8 R physical measure of body mass index=kg/m2	Cont
9	R9PMBMI	R9PMBMI:W9 R physical measure of body mass index=kg/m2	Cont
10	R10PMBMI	R10PMBMI:W10 R physical measure of body mass index=kg/m2	Cont
11	R11PMBMI	R11PMBMI:W11 R physical measure of body mass index=kg/m2	Cont
12	R12PMBMI	R12PMBMI:W12 R physical measure of body mass index=kg/m2	Cont
13	R13PMBMI	R13PMBMI:W13 R physical measure of body mass index=kg/m2	Cont
8	S8PMBMI	S8PMBMI:W8 S physical measure of body mass index=kg/m2	Cont
9	S9PMBMI	S9PMBMI:W9 S physical measure of body mass index=kg/m2	Cont
10	S10PMBMI	S10PMBMI:W10 S physical measure of body mass index=kg/m2	Cont
11	S11PMBMI	S11PMBMI:W11 S physical measure of body mass index=kg/m2	Cont
12	S12PMBMI	S12PMBMI:W12 S physical measure of body mass index=kg/m2	Cont
13	S13PMBMI	S13PMBMI:W13 S physical measure of body mass index=kg/m2	Cont
8	R8PMHGHT	R8PMHGHT:W8 R physical measure of height in meters	Cont
9	R9PMHGHT	R9PMHGHT:W9 R physical measure of height in meters	Cont
10	R10PMHGHT	R10PMHGHT:W10 R physical measure of height in meters	Cont
11	R11PMHGHT	R11PMHGHT:W11 R physical measure of height in meters	Cont
12	R12PMHGHT	R12PMHGHT:W12 R physical measure of height in meters	Cont
13	R13PMHGHT	R13PMHGHT:W13 R physical measure of height in meters	Cont
8	S8PMHGHT	S8PMHGHT:W8 S physical measure of height in meters	Cont
9	S9PMHGHT	S9PMHGHT:W9 S physical measure of height in meters	Cont
10	S10PMHGHT	S10PMHGHT:W10 S physical measure of height in meters	Cont
11	S11PMHGHT	S11PMHGHT:W11 S physical measure of height in meters	Cont
12	S12PMHGHT	S12PMHGHT:W12 S physical measure of height in meters	Cont
13	S13PMHGHT	S13PMHGHT:W13 S physical measure of height in meters	Cont
8	R8PMHGHTS	R8PMHGHTS:W8 R physical measure of height-Wore shoes	Categ
9	R9PMHGHTS	R9PMHGHTS:W9 R physical measure of height-Wore shoes	Categ
10	R10PMHGHTS	R10PMHGHTS:W10 R physical measure of height-Wore shoes	Categ
11	R11PMHGHTS	R11PMHGHTS:W11 R physical measure of height-Wore shoes	Categ
12	R12PMHGHTS	R12PMHGHTS:W12 R physical measure of height-Wore shoes	Categ
13	R13PMHGHTS	R13PMHGHTS:W13 R physical measure of height-Wore shoes	Categ
8	S8PMHGHTS	S8PMHGHTS:W8 S physical measure of height-Wore shoes	Categ
9	S9PMHGHTS	S9PMHGHTS:W9 S physical measure of height-Wore shoes	Categ
10	S10PMHGHTS	S10PMHGHTS:W10 S physical measure of height-Wore shoes	Categ
11	S11PMHGHTS	S11PMHGHTS:W11 S physical measure of height-Wore shoes	Categ
12	S12PMHGHTS	S12PMHGHTS:W12 S physical measure of height-Wore shoes	Categ
13	S13PMHGHTS	S13PMHGHTS:W13 S physical measure of height-Wore shoes	Categ
8	R8PMWGHT	R8PMWGHT:W8 R physical measure of weight in kilograms	Cont
9	R9PMWGHT	R9PMWGHT:W9 R physical measure of weight in kilograms	Cont
10	R10PMWGHT	R10PMWGHT:W10 R physical measure of weight in kilograms	Cont
11	R11PMWGHT	R11PMWGHT:W11 R physical measure of weight in kilograms	Cont
12	R12PMWGHT	R12PMWGHT:W12 R physical measure of weight in kilograms	Cont
13	R13PMWGHT	R13PMWGHT:W13 R physical measure of weight in kilograms	Cont
8	S8PMWGHT	S8PMWGHT:W8 S physical measure of weight in kilograms	Cont
9	S9PMWGHT	S9PMWGHT:W9 S physical measure of weight in kilograms	Cont
10	S10PMWGHT	S10PMWGHT:W10 S physical measure of weight in kilograms	Cont
11	S11PMWGHT	S11PMWGHT:W11 S physical measure of weight in kilograms	Cont
12	S12PMWGHT	S12PMWGHT:W12 S physical measure of weight in kilograms	Cont
13	S13PMWGHT	S13PMWGHT:W13 S physical measure of weight in kilograms	Cont
8	R8PMWGHTS	R8PMWGHTS:W8 R physical measure of weight-Wore shoes	Categ
9	R9PMWGHTS	R9PMWGHTS:W9 R physical measure of weight-Wore shoes	Categ
10	R10PMWGHTS	R10PMWGHTS:W10 R physical measure of weight-Wore shoes	Categ
11	R11PMWGHTS	R11PMWGHTS:W11 R physical measure of weight-Wore shoes	Categ
12	R12PMWGHTS	R12PMWGHTS:W12 R physical measure of weight-Wore shoes	Categ
13	R13PMWGHTS	R13PMWGHTS:W13 R physical measure of weight-Wore shoes	Categ
8	S8PMWGHTS	S8PMWGHTS:W8 S physical measure of weight-Wore shoes	Categ
9	S9PMWGHTS	S9PMWGHTS:W9 S physical measure of weight-Wore shoes	Categ
10	S10PMWGHTS	S10PMWGHTS:W10 S physical measure of weight-Wore shoes	Categ

11	S11PMWGHTS	S11PMWGHTS:W11	S physical measure of weight-Wore shoes	Categ
12	S12PMWGHTS	S12PMWGHTS:W12	S physical measure of weight-Wore shoes	Categ
13	S13PMWGHTS	S13PMWGHTS:W13	S physical measure of weight-Wore shoes	Categ
8	R8PMWGHTF	R8PMWGHTF:W8	R physical measure of weight-Floor type	Categ
9	R9PMWGHTF	R9PMWGHTF:W9	R physical measure of weight-Floor type	Categ
10	R10PMWGHTF	R10PMWGHTF:W10	R physical measure of weight-Floor type	Categ
11	R11PMWGHTF	R11PMWGHTF:W11	R physical measure of weight-Floor type	Categ
12	R12PMWGHTF	R12PMWGHTF:W12	R physical measure of weight-Floor type	Categ
13	R13PMWGHTF	R13PMWGHTF:W13	R physical measure of weight-Floor type	Categ
8	S8PMWGHTF	S8PMWGHTF:W8	S physical measure of weight-Floor type	Categ
9	S9PMWGHTF	S9PMWGHTF:W9	S physical measure of weight-Floor type	Categ
10	S10PMWGHTF	S10PMWGHTF:W10	S physical measure of weight-Floor type	Categ
11	S11PMWGHTF	S11PMWGHTF:W11	S physical measure of weight-Floor type	Categ
12	S12PMWGHTF	S12PMWGHTF:W12	S physical measure of weight-Floor type	Categ
13	S13PMWGHTF	S13PMWGHTF:W13	S physical measure of weight-Floor type	Categ
8	R8PMWAIST	R8PMWAIST:W8	R physical measure of waist	Cont
9	R9PMWAIST	R9PMWAIST:W9	R physical measure of waist	Cont
10	R10PMWAIST	R10PMWAIST:W10	R physical measure of waist	Cont
11	R11PMWAIST	R11PMWAIST:W11	R physical measure of waist	Cont
12	R12PMWAIST	R12PMWAIST:W12	R physical measure of waist	Cont
13	R13PMWAIST	R13PMWAIST:W13	R physical measure of waist	Cont
8	S8PMWAIST	S8PMWAIST:W8	S physical measure of waist	Cont
9	S9PMWAIST	S9PMWAIST:W9	S physical measure of waist	Cont
10	S10PMWAIST	S10PMWAIST:W10	S physical measure of waist	Cont
11	S11PMWAIST	S11PMWAIST:W11	S physical measure of waist	Cont
12	S12PMWAIST	S12PMWAIST:W12	S physical measure of waist	Cont
13	S13PMWAIST	S13PMWAIST:W13	S physical measure of waist	Cont
8	R8PMWAISTC	R8PMWAISTC:W8	R physical measure of waist-Bulky clothes	Categ
9	R9PMWAISTC	R9PMWAISTC:W9	R physical measure of waist-Bulky clothes	Categ
10	R10PMWAISTC	R10PMWAISTC:W10	R physical measure of waist-Bulky clothes	Categ
11	R11PMWAISTC	R11PMWAISTC:W11	R physical measure of waist-Bulky clothes	Categ
12	R12PMWAISTC	R12PMWAISTC:W12	R physical measure of waist-Bulky clothes	Categ
13	R13PMWAISTC	R13PMWAISTC:W13	R physical measure of waist-Bulky clothes	Categ
8	S8PMWAISTC	S8PMWAISTC:W8	S physical measure of waist-Bulky clothes	Categ
9	S9PMWAISTC	S9PMWAISTC:W9	S physical measure of waist-Bulky clothes	Categ
10	S10PMWAISTC	S10PMWAISTC:W10	S physical measure of waist-Bulky clothes	Categ
11	S11PMWAISTC	S11PMWAISTC:W11	S physical measure of waist-Bulky clothes	Categ
12	S12PMWAISTC	S12PMWAISTC:W12	S physical measure of waist-Bulky clothes	Categ
13	S13PMWAISTC	S13PMWAISTC:W13	S physical measure of waist-Bulky clothes	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8PMBMI	7128	29.03	5.75	14.8	64.1
R9PMBMI	6446	29.30	6.08	3.2	76.5
R10PMBMI	8409	29.81	6.18	10.0	72.9
R11PMBMI	7951	29.74	6.31	0.2	77.4
R12PMBMI	7500	29.92	6.25	12.8	74.0
R13PMBMI	7750	30.18	6.38	10.5	82.6
S8PMBMI	4788	29.12	5.59	14.8	64.1
S9PMBMI	4083	29.39	5.74	3.2	67.6
S10PMBMI	5330	29.88	5.99	15.3	72.9
S11PMBMI	4948	29.79	6.12	0.2	77.4
S12PMBMI	4590	30.07	6.04	15.9	67.8
S13PMBMI	4550	30.18	6.01	16.1	82.6
R8PMHGHT	7418	1.66	0.10	1.3	2.0

R9PMHGHT	6666	1.65	0.10	1.0	2.0
R10PMHGHT	8776	1.66	0.10	1.2	2.2
R11PMHGHT	8243	1.66	0.10	1.2	2.3
R12PMHGHT	7715	1.65	0.10	1.2	2.0
R13PMHGHT	8048	1.65	0.10	1.2	2.2
S8PMHGHT	4976	1.68	0.10	1.4	2.0
S9PMHGHT	4212	1.67	0.10	1.2	2.0
S10PMHGHT	5570	1.67	0.10	1.2	2.0
S11PMHGHT	5120	1.67	0.10	1.2	2.3
S12PMHGHT	4720	1.67	0.10	1.3	2.0
S13PMHGHT	4724	1.67	0.10	1.2	2.0
R8PMHGHTS	7429	0.13	0.34	0.0	1.0
R9PMHGHTS	6674	0.12	0.32	0.0	1.0
R10PMHGHTS	8778	0.06	0.24	0.0	1.0
R11PMHGHTS	8246	0.08	0.27	0.0	1.0
R12PMHGHTS	7714	0.04	0.20	0.0	1.0
R13PMHGHTS	8056	0.05	0.22	0.0	1.0
S8PMHGHTS	4985	0.12	0.33	0.0	1.0
S9PMHGHTS	4215	0.10	0.31	0.0	1.0
S10PMHGHTS	5572	0.06	0.23	0.0	1.0
S11PMHGHTS	5122	0.07	0.26	0.0	1.0
S12PMHGHTS	4719	0.04	0.19	0.0	1.0
S13PMHGHTS	4728	0.04	0.20	0.0	1.0
R8PMWGHT	7187	80.19	17.90	32.2	137.9
R9PMWGHT	6496	79.82	18.12	9.5	138.3
R10PMWGHT	8468	81.65	18.35	29.7	138.3
R11PMWGHT	8008	81.40	18.50	0.5	144.4
R12PMWGHT	7547	81.56	18.49	33.8	151.5
R13PMWGHT	7786	82.63	18.78	22.0	151.5
S8PMWGHT	4826	81.97	17.67	39.0	137.7
S9PMWGHT	4102	81.70	17.84	9.5	138.3
S10PMWGHT	5368	83.19	18.11	35.8	138.3
S11PMWGHT	4975	82.81	18.19	0.5	144.4
S12PMWGHT	4608	83.35	18.20	37.6	151.5
S13PMWGHT	4566	83.91	18.18	40.1	151.5
R8PMWGHTS	7203	0.11	0.31	0.0	1.0
R9PMWGHTS	6507	0.10	0.30	0.0	1.0
R10PMWGHTS	8476	0.05	0.22	0.0	1.0
R11PMWGHTS	8012	0.07	0.25	0.0	1.0
R12PMWGHTS	7544	0.04	0.19	0.0	1.0
R13PMWGHTS	7783	0.05	0.22	0.0	1.0
S8PMWGHTS	4831	0.10	0.30	0.0	1.0
S9PMWGHTS	4109	0.09	0.28	0.0	1.0
S10PMWGHTS	5370	0.05	0.21	0.0	1.0
S11PMWGHTS	4977	0.06	0.24	0.0	1.0
S12PMWGHTS	4606	0.03	0.18	0.0	1.0
S13PMWGHTS	4566	0.05	0.21	0.0	1.0
R8PMWGHTF	7198	1.20	0.54	1.0	7.0
R9PMWGHTF	6502	1.20	0.55	1.0	7.0
R10PMWGHTF	8466	1.16	0.53	1.0	7.0
R11PMWGHTF	8005	1.15	0.56	1.0	7.0

R12PMWGHTF	7543	1.14	0.58	1.0	7.0
R13PMWGHTF	7779	1.18	0.59	1.0	7.0
S8PMWGHTF	4826	1.19	0.52	1.0	7.0
S9PMWGHTF	4106	1.17	0.51	1.0	7.0
S10PMWGHTF	5366	1.14	0.50	1.0	7.0
S11PMWGHTF	4971	1.13	0.53	1.0	7.0
S12PMWGHTF	4606	1.12	0.54	1.0	7.0
S13PMWGHTF	4565	1.15	0.54	1.0	7.0
R8PMWAIST	7357	39.62	6.05	20.5	73.5
R9PMWAIST	6638	39.74	6.12	22.0	74.3
R10PMWAIST	8743	40.16	6.26	1.0	134.0
R11PMWAIST	8194	40.08	6.18	1.0	68.5
R12PMWAIST	7734	40.34	6.73	1.0	187.0
R13PMWAIST	8057	40.76	7.56	0.5	190.0
S8PMWAIST	4945	39.73	5.96	20.5	73.5
S9PMWAIST	4187	39.90	5.95	22.0	74.3
S10PMWAIST	5551	40.28	6.24	1.0	134.0
S11PMWAIST	5091	40.11	6.01	1.0	67.5
S12PMWAIST	4725	40.47	6.54	1.0	163.0
S13PMWAIST	4723	40.81	7.76	0.5	190.0
R8PMWAISTC	7363	0.05	0.22	0.0	1.0
R9PMWAISTC	6638	0.05	0.22	0.0	1.0
R10PMWAISTC	8744	0.04	0.19	0.0	1.0
R11PMWAISTC	8196	0.03	0.16	0.0	1.0
R12PMWAISTC	7674	0.03	0.17	0.0	1.0
R13PMWAISTC	8054	0.03	0.16	0.0	1.0
S8PMWAISTC	4950	0.04	0.21	0.0	1.0
S9PMWAISTC	4187	0.05	0.21	0.0	1.0
S10PMWAISTC	5552	0.04	0.19	0.0	1.0
S11PMWAISTC	5092	0.03	0.16	0.0	1.0
S12PMWAISTC	4692	0.03	0.17	0.0	1.0
S13PMWAISTC	4723	0.02	0.15	0.0	1.0

Categorical Variable Codes

RwPMHGHTS: R physical measure of height-Wore shoes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA										
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								361	269	302
0.No								6458	5891	8242
1.Yes								971	783	536

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.D=DK/NA		5	2
.E=R Did not sign Phys Meas	443	313	588
.N=R ineligible for Phys Me	1107	1232	1317
.R=R refused specific test		238	7
.S=Skip	283	47	268
0.No	7581	7393	7653
1.Yes	665	321	403

SwPMHGHTS: S physical measure of height-Wore shoes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								182	128	164
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
0.No								4368	3773	5259
1.Yes								617	442	313

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.D=DK/NA		4	1
.E=R Did not sign Phys Meas	225	154	271
.N=R ineligible for Phys Me	583	662	617
.R=R refused specific test		120	2
.S=Skip	116	19	113
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	4758	4550	4524
1.Yes	364	169	204

RwPMWGHTS: R physical measure of weight-Wore shoes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA										
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								587	436	604
0.No								6425	5865	8048
1.Yes								778	642	428

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.D=DK/NA		4	5
.E=R Did not sign Phys Meas	443	313	588
.N=R ineligible for Phys Me	1107	1232	1319
.R=R refused specific test		270	7
.S=Skip	517	186	536
0.No	7487	7264	7398
1.Yes	525	280	385

SwPMWGHTS: S physical measure of weight-Wore shoes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								336	234	366
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
0.No								4331	3748	5125
1.Yes								500	361	245

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.D=DK/NA		3	1
.E=R Did not sign Phys Meas	225	154	271
.N=R ineligible for Phys Me	583	662	618
.R=R refused specific test		145	1
.S=Skip	261	108	275
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	4681	4457	4351
1.Yes	296	149	215

RwPMWGHTF: R physical measure of weight-Floor type

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA								5	5	10
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								587	436	604
1.Linoleum/Tile/Wood								6042	5494	7459
2.Low-Pile Carpet								983	869	825
3.High-Pile Carpet								49	26	28
4.Concrete/Brick								121	105	142
7.Other								3	8	12

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.D=DK/NA	7	5	9
.E=R Did not sign Phys Meas	443	313	588
.N=R ineligible for Phys Me	1107	1232	1319
.R=R refused specific test		270	7
.S=Skip	517	186	536
1.Linoleum/Tile/Wood	7243	6893	6842
2.Low-Pile Carpet	537	493	696
3.High-Pile Carpet	9	36	36
4.Concrete/Brick	209	87	195
7.Other	7	34	10

SwPMWGHTF: S physical measure of weight-Floor type

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA								5	3	4
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								336	234	366
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
1.Linoleum/Tile/Wood								4127	3572	4830
2.Low-Pile Carpet								587	460	432
3.High-Pile Carpet								33	13	16
4.Concrete/Brick								77	57	82
7.Other								2	4	6

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.D=DK/NA	6	3	2
.E=R Did not sign Phys Meas	225	154	271
.N=R ineligible for Phys Me	583	662	618
.R=R refused specific test		145	1
.S=Skip	261	108	275
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.Linoleum/Tile/Wood	4582	4274	4123
2.Low-Pile Carpet	262	249	326
3.High-Pile Carpet	3	14	20
4.Concrete/Brick	121	52	90
7.Other	3	17	6

RwPMWAISTC: R physical measure of waist-Bulky clothes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								8899	8921	10822
.D=DK/NA										
.E=R Did not sign Phys Meas								589	460	738
.N=R ineligible for Phys Me								1191	893	1394
.R=R refused specific test										
.S=Skip								427	305	336
0.No								7000	6301	8399
1.Yes								363	337	345

Value	w11	w12	w13
.A=R not asked Phys Meas th	10475	9198	10674
.D=DK/NA		60	5
.E=R Did not sign Phys Meas	443	313	588
.N=R ineligible for Phys Me	1107	1232	1318
.R=R refused specific test		26	7
.S=Skip	333	244	266
0.No	7972	7453	7846
1.Yes	224	221	208

SwPMWAISTC: S physical measure of waist-Bulky clothes

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=R not asked Phys Meas th								5531	5608	6584
.D=DK/NA										
.E=R Did not sign Phys Meas								332	238	393
.N=R ineligible for Phys Me								705	457	800
.R=R refused specific test										
.S=Skip								217	156	184
.U=Unmarried								6417	6206	7799
.V=Spouse NR								317	365	722
0.No								4730	3993	5347
1.Yes								220	194	205

Value	w11	w12	w13
.A=R not asked Phys Meas th	6442	5334	6047
.D=DK/NA		33	1
.E=R Did not sign Phys Meas	225	154	271
.N=R ineligible for Phys Me	583	662	618
.R=R refused specific test		15	2
.S=Skip	146	122	117
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	4962	4560	4617
1.Yes	130	132	106

General Comments

RwPMBMI, RwPMHGHT, RwPMWGHT, and RwPMWAIST are based on physically-measured data. Please refer to the "Self-reported BMI, Height, Weight" section for RwBMI, RwHEIGHT, and RwWEIGHT, which are based on self-reported (or proxy-reported) data.

How Constructed

RwPMBMI reports the Respondent's body mass index based on their measured height and weight. RwPMHGHT records the physical measure of the Respondent's height. RwPMHGHTS records whether the Respondent was wearing shoes during this measurement. RwPMWGHT records the physical measure of the Respondent's weight. RwPMWGHTS records whether the Respondent was wearing shoes during this measurement, and RwPMWGHTF records the type of floor that the scale was on during the measurement. RwPMWAIST records the physical measure of the Respondent's waist size. RwPMWAISTC records whether the Respondent was wearing any bulky clothing during this measurement.

From Wave 8 forward, a subsample of HRS Respondents are selected each wave to complete an enhanced face-to-face interview. Respondents who were not selected in a given wave do not have physical measurement data. RwPMBMI, RwPMHGHT, RwPMHGHTS, RwPMWGHT, RwPMWGHTS, RwPMWGHTF, RwPMWAIST and RwPMWAISTC are set to .A for these Respondents.

Respondents who are selected for an enhanced interview may not be able to actually carry out a face-to-face interview. Respondents who were selected but were living in a nursing home, had a proxy respondent, or had to conduct their interview by telephone do not have physical measurement data. RwPMBMI, RwPMHGHT, RwPMHGHTS, RwPMWGHT, RwPMWGHTS, RwPMWGHTF, RwPMWAIST and RwPMWAISTC are set to .N for these Respondents.

Respondents who were selected for an enhanced interview and were able to conduct a face-to-face interview were given a description of the physical tests that they would be asked to carry out. They were then asked to sign a Physical Measures consent form. Respondents who did not sign the Physical Measures consent form do not have physical measurement data. RwPMBMI, RwPMHGHT, RwPMHGHTS, RwPMWGHT, RwPMWGHTS, RwPMWGHTF, RwPMWAIST and RwPMWAISTC are set to .E for these Respondents.

From Wave 12 forward, Respondents who consent to having physical measurements taken are asked if they feel safe having their height, weight and waist size measured. Variables are set to .R for Respondents who did not feel safe taking the corresponding measurement.

RwPMHGHT records the measurement of the Respondent's height. Height, given in inches, is converted to meters.

Respondents who self-reported a weight of 300 pounds or more were not asked to complete a physical measurement of weight. RwPMWGHT, RwPMWGHTS and RwPMWGHTF are set to .S for these respondents. If a Respondent is measured, RwPMWGHT records the Respondent's weight. Weight, measured in pounds, is converted to kilograms.

RwPMBMI is calculated using the weight divided by the square height $\frac{weight}{height^2}$.

RwPMWAIST records the measurement of the Respondent's waist circumference in inches, rounded to the nearest quarter inch. Respondents are asked to stand and raise their arms while the interviewer measures their waist circumference at navel level.

The Respondent's measurements may be unsuccessful for several reasons. If the Respondent feels unsafe during the measurement and refuses to proceed, the variable is set to .R. If the Respondent is medically disqualified from the measurement, the variable is set to .X. If the Respondent attempts the measurement but is unable to complete it, the variable is set to .W. If the interviewer is unable to conduct the test due to lack of suitable location or equipment problems, the variable is set to .L. If the Respondent is listed as "DK (Don't Know); NA (Not Ascertained)" in the survey and the corresponding variable has no non-missing values, the variable is set to .D. If a variable is missing for one of these reasons, the corresponding auxiliary variables for Shoes, Floor Type or Bulky Clothes are set to .S. If RwPMHGHT or RwPMWGHT is missing for one of these reasons, RwPMBMI will be set to the corresponding missing value.

RwPMBMI, RwPMHGHT, RwPMHGHTS, RwPMWGHT, RwPMWGHTS, RwPMWGHTF, RwPMWAIST and RwPMWAISTC are set to .M if the raw variable does not have data on the measurements, but none of the previous missing codes apply.

SwPMBMI, SwPMHGHT, SwPMHGHTS, SwPMWGHT, SwPMWGHTS, SwPMWGHTF, SwPMWAIST and SwPMWAISTC contain this information for the Respondent's spouse or partner.

Cross Wave Differences in Original HRS Data

Physical measurements are first conducted in Wave 8.

There are some changes to the way missing codes are handled in the survey. From Wave 12 forward, Respondents are asked preliminary safety and consent questions for each set of physical measurements questions (this is in addition to signing the consent form, which happens in every wave). From Wave 12 forward, Respondents are asked if they feel safe continuing to each different physical measure.

HRS Variables Used

HRS 2006–2016:

xC139	WEIGHT IN POUNDS
xi800	PHYSICAL MEASURES FTF IW
xi802	PHYSICAL MEASURES CONSENT FORM
xi832M1	HEIGHT REASON NOT COMPLETE-1
xi834	HEIGHT MEASUREMENT
xi837	HEIGHT WEARING SHOES
xi839M1	WEIGHT REASON NOT COMPLETE-1
xi841	WEIGHT POUNDS MEASUREMENT
xi842	WEIGHT FLOOR SURFACE
xi844	WEIGHT WEARING SHOES
xi905M1	WAIST WHY NOT COMPLETE-1
xi907	WAIST MEASUREMENT
xi912	WAIST BULKY CLOTHES
xPMELIG	2006 PHYSICAL MEASURES ELIGIBILITY

HRS 2014–2016:

xi980	HEIGHT SAFETY QUESTION
xi982	R UNDERSTANDING OF WEIGHT MEASUREMENT PROCEDURE
xi985	R UNDERSTANDING OF WAIST MEASUREMENT PROCEDURE

Section C: Financial and Housing Wealth

Net value of real estate (not primary residence)

Wave	Variable	Label	Type
1	H1ARLES	H1ARLES:W1 Assets:Other Real estate--Cross-wave	Cont
2	H2ARLES	H2ARLES:W2 Assets:Other Real estate--Cross-wave	Cont
3	H3ARLES	H3ARLES:W3 Assets:Other Real estate--Cross-wave	Cont
4	H4ARLES	H4ARLES:W4 Assets:Other Real estate--Cross-wave	Cont
5	H5ARLES	H5ARLES:W5 Assets:Other Real estate--Cross-wave	Cont
6	H6ARLES	H6ARLES:W6 Assets:Other Real estate--Cross-wave	Cont
7	H7ARLES	H7ARLES:W7 Assets:Other Real estate--Cross-wave	Cont
8	H8ARLES	H8ARLES:W8 Assets:Other Real estate--Cross-wave	Cont
9	H9ARLES	H9ARLES:W9 Assets:Other Real estate--Cross-wave	Cont
10	H10ARLES	H10ARLES:W10 Assets:Other Real estate--Cross-wave	Cont
11	H11ARLES	H11ARLES:W11 Assets:Other Real estate--Cross-wave	Cont
12	H12ARLES	H12ARLES:W12 Assets:Other Real estate--Cross-wave	Cont
13	H13ARLES	H13ARLES:W13 Assets:Other Real estate--Cross-wave	Cont
1	H1AFRLES	H1AFRLES:W1 Assets Flag:Other Real estate--Cross-wave	Categ
2	H2AFRLES	H2AFRLES:W2 Assets Flag:Other Real estate--Cross-wave	Categ
3	H3AFRLES	H3AFRLES:W3 Assets Flag:Other Real estate--Cross-wave	Categ
4	H4AFRLES	H4AFRLES:W4 Assets Flag:Other Real estate--Cross-wave	Categ
5	H5AFRLES	H5AFRLES:W5 Assets Flag:Other Real estate--Cross-wave	Categ
6	H6AFRLES	H6AFRLES:W6 Assets Flag:Other Real estate--Cross-wave	Categ
7	H7AFRLES	H7AFRLES:W7 Assets Flag:Other Real estate--Cross-wave	Categ
8	H8AFRLES	H8AFRLES:W8 Assets Flag:Other Real estate--Cross-wave	Categ
9	H9AFRLES	H9AFRLES:W9 Assets Flag:Other Real estate--Cross-wave	Categ
10	H10AFRLES	H10AFRLES:W10 Assets Flag:Other Real estate--Cross-wave	Categ
11	H11AFRLES	H11AFRLES:W11 Assets Flag:Other Real estate--Cross-wave	Categ
12	H12AFRLES	H12AFRLES:W12 Assets Flag:Other Real estate--Cross-wave	Categ
13	H13AFRLES	H13AFRLES:W13 Assets Flag:Other Real estate--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ARLES	12652	35429.93	174571.45	-20000.0	4657421.8
H2ARLES	19642	33923.95	171204.34	-1.0	6802496.7
H3ARLES	17991	37145.51	197801.54	0.0	6092441.1
H4ARLES	21384	36402.15	242631.25	0.0	10965449.3
H5ARLES	19578	39807.72	314032.98	0.0	20000000.0
H6ARLES	18165	41158.01	334804.18	0.0	25000000.0
H7ARLES	20129	44665.36	295523.61	0.0	15000000.0
H8ARLES	18469	56433.45	343230.76	0.0	10000000.0
H9ARLES	17217	61292.90	505839.83	0.0	35000000.0
H10ARLES	22034	40374.29	337895.42	-60000.0	19449633.5
H11ARLES	20554	34991.04	274000.87	0.0	20000000.0
H12ARLES	18747	43960.80	462797.11	-10000.0	40000000.0
H13ARLES	20912	45367.27	369413.61	-10000.0	23000000.0
H1AFRLES	12652	4.90	2.05	1.0	9.0
H2AFRLES	19642	4.95	2.05	1.0	9.0
H3AFRLES	17991	5.01	1.99	1.0	9.0
H4AFRLES	21384	5.19	1.86	1.0	9.0
H5AFRLES	19578	5.18	1.85	1.0	9.0
H6AFRLES	18165	5.24	1.79	1.0	9.0
H7AFRLES	20129	5.29	1.74	1.0	9.0
H8AFRLES	18469	5.31	1.72	1.0	9.0
H9AFRLES	17217	5.36	1.67	1.0	9.0
H10AFRLES	22034	5.45	1.68	1.0	9.0

H11AFRLES	20554	5.43	1.64	1.0	9.0
H12AFRLES	18747	5.43	1.66	1.0	9.0
H13AFRLES	20912	5.52	1.61	1.0	9.0

Categorical Variable Codes

HwAFRLES: Assets Flag:Other Real estate--Cross-wave

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	2352	3521	3086	2989	2787	2480	2508	2263	1948	2365
2.Complete bracket	|	464	865	551	659	548	365	432	370	326	340
3.Incomplete bracket	|	39	48	157	71	61	35	47	42	37	38
4.Range card bracket	|	186									
5.No value/bracket	|	98	148	122	187	177	191	203	179	154	159
6.No asset	|	9361	14704	13840	17140	15764	14919	16724	15451	14557	18527
7.DK ownership	|	57	179	109	167	117	130	128	101	121	208
9.No Fin resp	|	95	177	126	171	124	45	87	63	74	397

Value		w11	w12	w13
1.Continuous value	|	2198	2070	2071
2.Complete bracket	|	293	236	227
3.Incomplete bracket	|	39	31	23
4.Range card bracket	|			
5.No value/bracket	|	148	134	124
6.No asset	|	17559	15907	17886
7.DK ownership	|	148	173	206
9.No Fin resp	|	169	196	375

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed net value of real estate is assigned to HwARLES. The HwAFRLES variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of real estate, besides the primary residence, is asked at each wave. The question wording is the same at all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any real estate and if so, the value of it:

a) "Do you [or your spouse/partner] have any real estate other than your main home (and your second home), such as land, rental real estate, a partnership, or money owed to you on a land contract or mortgage?"

b) "If you sold all that and paid off any debts on it, how much would you get?"

If the Respondent refuses or doesn't know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
  V15201      M2:OTHER REAL ESTATE:IND
  V15202      M3:$VAL OF THIS PROP:IND
  V5201       M2:OTHER REAL ESTATE:IMP
  V5202       M3:$VAL OF THIS PROP:IMP
  V5203       M3: ORIGINAL BRACKETS
AHEAD 1993:
  B1720       K2. REAL ESTATE: ANY
  B1721       K3. REAL ESTATE: NET VALUE
  B1721C      CATEG: K3. REAL ESTATE: NET VALUE
HRS 1994:
  W15500      K2. Imputation Indicator
  W15501      K3. Imputation Indicator
  W5500       K2.REAL ESTATE
  W5501       K3.VALUE OF REAL ESTATE
  W5502       K3a-K3d. Brackets
AHEAD 1995:
  D3964       J14.REAL ESTATE
  D3965       J15.REAL ESTATE $
  D3969B      J15.REAL ESTATE $/Bkt
HRS 1996:
  E4070       J76.REAL ESTATE
  E4071       J77.REAL ESTATE $
  E4072B      J77.REAL ESTATE $/Bkt
HRS 1998:
  F4830       J76.REAL ESTATE
  F4831       J77.REAL ESTATE $
  F4832B      J77.(J15)REAL ESTATE $-Bkt
HRS 2000:
  G5275       J76.REAL ESTATE
  G5276       J77.REAL ESTATE $
  G5277       J77A1.DK-2500
  G5278       J77B1.DK-125K
  G5279       J77C1.DK-500K
  G5280       J77D1.DK-1 MIL
  G5281       J77E1.DK-125K
  G5282       J77F1.DK-2500
HRS 2002:
  TYPASST     TYPE OF ASSETS
HRS 2002:
  HU001       U001A_ASSET RECONCILIATION STEM QUESTION
  HU002M1     ASSET RECONCILIATION WHICH WRONG -1
  HU002M2     ASSET RECONCILIATION WHICH WRONG -2
  HU003       ASSET RECONCILIATION HOW MUCH
  HU004       ASSET RECONCILIATION - MIN
  HU005       ASSET RECONCILIATION - MAX

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HU006          ASSET RECONCILIATION - RESULT
HRS 2004:
JU001_1        ASSET RECONCILIATION STEM QUESTION - 1
JU001_2        ASSET RECONCILIATION STEM QUESTION -2
JU001_3        ASSET RECONCILIATION STEM QUESTION -3
JU002_1        ASSET RECONCILIATION WHICH WRONG -1
JU002_2        ASSET RECONCILIATION WHICH WRONG -2
JU002_3        ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1       PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2       PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3       PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1       CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2       CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3       CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1       PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2       PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3       PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1       CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2       CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3       CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1       PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2       PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3       PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1       CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2       CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3       CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1       PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2       PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3       PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1       CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2       CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3       CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1        TYPE OF ASSETS - 1
JU009_2        TYPE OF ASSETS -2
JU009_3        TYPE OF ASSETS -3
JU022A_1       PREV WAVE VALUE YEAR-1
JU022A_2       PREV WAVE VALUE YEAR-2
JU022A_3       PREV WAVE VALUE YEAR-3
HRS 2002-2016:
xQ133          REAL ESTATE ASSET
xQ134          REAL ESTATE ASSET AMT
xQ135          REAL ESTATE ASSET AMT - MIN
xQ136          REAL ESTATE ASSET AMT - MAX
xQ137          REAL ESTATE ASSET AMT - RESULT
HRS 2006-2016:
xU001_11       ASSET RECONCILIATION-REAL ESTATE
xU002_11       ASSET RECON WHICH WRONG-REAL ESTATE
xU003_11A      ASSET RECON HOW MUCH -A-REAL ESTATE
xU003_11B      ASSET RECON HOW MUCH -B-REAL ESTATE
xU004_11A      ASSET RECON -MIN-A-REAL ESTATE
xU004_11B      ASSET RECON-MIN-B-REAL ESTATE
xU005_11A      ASSET RECON -MAX-A -REAL ESTATE
xU005_11B      ASSET RECON-MAX-B -REAL ESTATE
xU006_11A      ASSET RECON - RESULT-A-REAL ESTATE
xU006_11B      ASSET RECON- RESULT-B-REAL ESTATE
xU022_11A      WHICH WAVE WRONG-A-REAL ESTATE
xU022_11B      WHICH WAVE WRONG-B-REAL ESTATE

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Net value of vehicles

Wave	Variable	Label	Type
1	H1ATRAN	H1ATRAN:W1 Assets:Transportation--Cross-wave	Cont
2	H2ATRAN	H2ATRAN:W2 Assets:Transportation--Cross-wave	Cont
3	H3ATRAN	H3ATRAN:W3 Assets:Transportation--Cross-wave	Cont
4	H4ATRAN	H4ATRAN:W4 Assets:Transportation--Cross-wave	Cont
5	H5ATRAN	H5ATRAN:W5 Assets:Transportation--Cross-wave	Cont
6	H6ATRAN	H6ATRAN:W6 Assets:Transportation--Cross-wave	Cont
7	H7ATRAN	H7ATRAN:W7 Assets:Transportation--Cross-wave	Cont
8	H8ATRAN	H8ATRAN:W8 Assets:Transportation--Cross-wave	Cont
9	H9ATRAN	H9ATRAN:W9 Assets:Transportation--Cross-wave	Cont
10	H10ATRAN	H10ATRAN:W10 Assets:Transportation--Cross-wave	Cont
11	H11ATRAN	H11ATRAN:W11 Assets:Transportation--Cross-wave	Cont
12	H12ATRAN	H12ATRAN:W12 Assets:Transportation--Cross-wave	Cont
13	H13ATRAN	H13ATRAN:W13 Assets:Transportation--Cross-wave	Cont
1	H1AFTRAN	H1AFTRAN:W1 Assets Flag:Transportation--Cross-wave	Categ
2	H2AFTRAN	H2AFTRAN:W2 Assets Flag:Transportation--Cross-wave	Categ
3	H3AFTRAN	H3AFTRAN:W3 Assets Flag:Transportation--Cross-wave	Categ
4	H4AFTRAN	H4AFTRAN:W4 Assets Flag:Transportation--Cross-wave	Categ
5	H5AFTRAN	H5AFTRAN:W5 Assets Flag:Transportation--Cross-wave	Categ
6	H6AFTRAN	H6AFTRAN:W6 Assets Flag:Transportation--Cross-wave	Categ
7	H7AFTRAN	H7AFTRAN:W7 Assets Flag:Transportation--Cross-wave	Categ
8	H8AFTRAN	H8AFTRAN:W8 Assets Flag:Transportation--Cross-wave	Categ
9	H9AFTRAN	H9AFTRAN:W9 Assets Flag:Transportation--Cross-wave	Categ
10	H10AFTRAN	H10AFTRAN:W10 Assets Flag:Transportation--Cross-wave	Categ
11	H11AFTRAN	H11AFTRAN:W11 Assets Flag:Transportation--Cross-wave	Categ
12	H12AFTRAN	H12AFTRAN:W12 Assets Flag:Transportation--Cross-wave	Categ
13	H13AFTRAN	H13AFTRAN:W13 Assets Flag:Transportation--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATRAN	12652	12989.60	45165.60	0.0	3000000.0
H2ATRAN	19642	11508.26	34179.19	0.0	2000000.0
H3ATRAN	17991	11060.17	15789.67	0.0	300017.7
H4ATRAN	21384	12882.35	31758.88	0.0	3500000.0
H5ATRAN	19578	13370.52	34351.29	0.0	3500000.0
H6ATRAN	18165	14233.39	39622.46	0.0	4445000.0
H7ATRAN	20129	14476.35	33083.24	0.0	3500000.0
H8ATRAN	18469	15593.30	63980.27	0.0	8100000.0
H9ATRAN	17217	15142.92	25954.98	0.0	775000.0
H10ATRAN	22034	14022.43	43015.08	0.0	5000000.0
H11ATRAN	20554	14354.37	34493.75	0.0	3500000.0
H12ATRAN	18747	14757.81	42322.00	0.0	4700000.0
H13ATRAN	20912	15258.55	28206.89	0.0	800000.0
H1AFTRAN	12652	1.80	1.77	1.0	9.0
H2AFTRAN	19642	2.04	2.00	1.0	9.0
H3AFTRAN	17991	2.34	2.08	1.0	9.0
H4AFTRAN	21384	2.14	1.99	1.0	9.0
H5AFTRAN	19578	2.12	1.97	1.0	9.0
H6AFTRAN	18165	2.14	1.95	1.0	9.0
H7AFTRAN	20129	2.10	1.94	1.0	9.0
H8AFTRAN	18469	2.04	1.90	1.0	9.0
H9AFTRAN	17217	2.09	1.94	1.0	9.0
H10AFTRAN	22034	2.28	2.18	1.0	9.0
H11AFTRAN	20554	2.23	2.10	1.0	9.0

H12AFTRAN	18747	2.28	2.15	1.0	9.0
H13AFTRAN	20912	2.45	2.28	1.0	9.0

Categorical Variable Codes

HwAFTRAN: Assets Flag:Transportation--Cross-wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	9767	13984	11635	14106	13124	12039	13657	12764	11785	15023
2.Complete bracket	|	1018	2105	1274	2975	2532	2318	2406	2169	1970	1753
3.Incomplete bracket	|	41	55	520	91	85	105	116	107	128	169
4.Range card bracket	|	335									
5.No value/bracket	|			1366	439	480	606	667	490	454	521
6.No asset	|	1174	3032	3014	3485	3166	2991	3136	2834	2762	4075
7.DK ownership	|	222	289	56	117	67	61	60	42	44	96
9.No Fin resp	|	95	177	126	171	124	45	87	63	74	397

Value		w11	w12	w13
1.Continuous value	|	14180	12833	13723
2.Complete bracket	|	1550	1373	1502
3.Incomplete bracket	|	153	101	105
4.Range card bracket	|			
5.No value/bracket	|	476	454	492
6.No asset	|	3949	3709	4633
7.DK ownership	|	77	81	82
9.No Fin resp	|	169	196	375

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed net value of vehicles is assigned to HwATRAN. The HwAFTRAN variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

In Waves 1 and 2, ownership is based on whether a value is provided, since there is no direct question about ownership. However, we also look at responses to the bracket questions. Those who did not provide any bracket information are set to "DK ownership."

Cross Wave Differences in Original HRS Data

The net value of vehicles in Wave 1 is based solely on the value of vehicles other than recreational vehicles. To include the value of recreational vehicles, please use H1WTRN2 from the cross-sectional imputations, which is available in the RAND HRS Detailed Imputations File.

The questions for Wave 1 are as follows:

From Section D:

- a) "Do you own a recreational vehicle or motor home?"
- b) "About how much is it worth, subtracting any money owed on it?"

From Section M:

"What about the value of what you [or your (husband/wife/partner)] own wheels (other than the motor home we've already talked about), like cars, trucks, a trailer, a boat, or an airplane - what are they worth altogether, minus anything you still owe on them?"

From Wave 2 forward, the recreational vehicle question is dropped from the Housing section and instead included in the Net Worth section question. Only the value of vehicles from Net Worth section question is used to create HwATRAN.

The question appears as the following:

- a) "Do you (or your [husband/wife/partner]) own anything for transportation, like cars, trucks, a trailer, a motor home, a boat, or an airplane?"
- b) "What are they worth altogether, minus anything you still owe on them?"

In all waves if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

HRS 1992:	
V10838	D50:91-R1-OWNRCMOTRH:IND
V10839	D50A:MOTOR_HOME_VALU:IND
V15205	M4:\$VAL VEHICLES OWN:IND
V5205	M4:\$VAL VEHICLES OWN:IMP
V5206	M4: ORIGINAL BRACKETS
V838	D50:OWN RC OR MOTOR :IMP
V839	D50A:VALUE:\$:IMP
AHEAD 1993:	
B1725	K4. TRANSPORTATION: NET VALUE
B1725C	CATEG: K4. TRANSPORTATION: NET VALUE
HRS 1994:	
W15503	K4. Imputation Indicator
W5503	K4.VALUE OF TRANSPORTATI
W5504	K4a-K4c. Brackets
AHEAD 1995:	
D4499	J51. TRANSPORTATION
D4500	J51A. TRANSPORTATION
D4502B	J51A. TRANSPORTATION/Bkt
HRS 1996:	
E4500	J237.TRANSPORTATION

E4501	J238.TRANSPORTATION
E4502B	J238.TRANSPORTATION/Bkt
HRS 1998:	
F5260	J237.TRANSPORTATION
F5261	J238.TRANSPORTATION
F5262B	J238. (J51A) TRANSPORTATION-Bkt
HRS 2000:	
G5681	J237.TRANSPORTATION
G5682	J238.TRANSPORTATION
G5683	J238A. DK-5K
G5684	J238Y1A. DK-25000
G5685	J238B. DK-200000
G5686	J238Y1B. DK-25000
G5687	J238D. DK-5000
HRS 2002:	
TYPASST	TYPE OF ASSETS
HRS 2002:	
HU001	U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1	ASSET RECONCILIATION WHICH WRONG -1
HU002M2	ASSET RECONCILIATION WHICH WRONG -2
HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1

JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xQ370	TRANSPORTATION
xQ371	TRANSPORTATION TOTAL VALUE
xQ372	TRANSPORTATION TOTAL VALUE - MIN
xQ373	TRANSPORTATION TOTAL VALUE - MAX
xQ374	TRANSPORTATION TOTAL VALUE - RESULT
HRS 2006-2016:	
xU001_4	ASSET RECONCILIATION-TRANSPORTATION
xU002_4	ASSET RECON WHICH WRONG-TRANSPORTATION
xU003_4A	ASSET RECON HOW MUCH -A-TRANSPORTATION
xU003_4B	ASSET RECONHOW MUCH-B-TRANSPORTATION
xU004_4A	ASSET RECON -MIN-A-TRANSPORTATION
xU004_4B	ASSET RECON -MIN-B-TRANSPORTATION
xU005_4A	ASSET RECON -MAX-A -TRANSPORTATION
xU005_4B	ASSET RECON -MAX-B -TRANSPORTATION
xU006_4A	ASSET RECON - RESULT-A-TRANSPORTATION
xU006_4B	ASSET RECON- RESULT-B-TRANSPORTATION
xU022_4A	WHICH WAVE WRONG-A-TRANSPORTATION
xU022_4B	WHICH WAVE WRONG-B-TRANSPORTATION

Net value of businesses

Wave	Variable	Label	Type
1	H1ABSNS	H1ABSNS:W1 Assets:Business--Cross-wave	Cont
2	H2ABSNS	H2ABSNS:W2 Assets:Business--Cross-wave	Cont
3	H3ABSNS	H3ABSNS:W3 Assets:Business--Cross-wave	Cont
4	H4ABSNS	H4ABSNS:W4 Assets:Business--Cross-wave	Cont
5	H5ABSNS	H5ABSNS:W5 Assets:Business--Cross-wave	Cont
6	H6ABSNS	H6ABSNS:W6 Assets:Business--Cross-wave	Cont
7	H7ABSNS	H7ABSNS:W7 Assets:Business--Cross-wave	Cont
8	H8ABSNS	H8ABSNS:W8 Assets:Business--Cross-wave	Cont
9	H9ABSNS	H9ABSNS:W9 Assets:Business--Cross-wave	Cont
10	H10ABSNS	H10ABSNS:W10 Assets:Business--Cross-wave	Cont
11	H11ABSNS	H11ABSNS:W11 Assets:Business--Cross-wave	Cont
12	H12ABSNS	H12ABSNS:W12 Assets:Business--Cross-wave	Cont
13	H13ABSNS	H13ABSNS:W13 Assets:Business--Cross-wave	Cont
1	H1AFBSNS	H1AFBSNS:W1 Assets Flag:Business--Cross-wave	Categ
2	H2AFBSNS	H2AFBSNS:W2 Assets Flag:Business--Cross-wave	Categ
3	H3AFBSNS	H3AFBSNS:W3 Assets Flag:Business--Cross-wave	Categ
4	H4AFBSNS	H4AFBSNS:W4 Assets Flag:Business--Cross-wave	Categ
5	H5AFBSNS	H5AFBSNS:W5 Assets Flag:Business--Cross-wave	Categ
6	H6AFBSNS	H6AFBSNS:W6 Assets Flag:Business--Cross-wave	Categ
7	H7AFBSNS	H7AFBSNS:W7 Assets Flag:Business--Cross-wave	Categ
8	H8AFBSNS	H8AFBSNS:W8 Assets Flag:Business--Cross-wave	Categ
9	H9AFBSNS	H9AFBSNS:W9 Assets Flag:Business--Cross-wave	Categ
10	H10AFBSNS	H10AFBSNS:W10 Assets Flag:Business--Cross-wave	Categ
11	H11AFBSNS	H11AFBSNS:W11 Assets Flag:Business--Cross-wave	Categ
12	H12AFBSNS	H12AFBSNS:W12 Assets Flag:Business--Cross-wave	Categ
13	H13AFBSNS	H13AFBSNS:W13 Assets Flag:Business--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABSNS	12652	34674.53	254742.10	-50000.0	8503748.7
H2ABSNS	19642	23382.91	202178.77	-8000.0	7413225.2
H3ABSNS	17991	27950.83	275280.47	0.0	15000000.0
H4ABSNS	21384	33902.61	638135.23	0.0	60000000.0
H5ABSNS	19578	31550.91	294030.91	0.0	12000000.0
H6ABSNS	18165	37337.21	316448.64	0.0	14000000.0
H7ABSNS	20129	46061.08	499687.74	0.0	30000000.0
H8ABSNS	18469	52164.77	494747.39	0.0	30000000.0
H9ABSNS	17217	52051.74	463022.13	0.0	20000000.0
H10ABSNS	22034	43353.74	389167.35	0.0	20000000.0
H11ABSNS	20554	42997.40	370614.58	0.0	10770076.4
H12ABSNS	18747	40431.70	329572.37	0.0	15000000.0
H13ABSNS	20912	48364.83	555055.29	-80000.0	25000000.0
H1AFBSNS	12652	5.25	1.77	1.0	9.0
H2AFBSNS	19642	5.50	1.53	1.0	9.0
H3AFBSNS	17991	5.54	1.46	1.0	9.0
H4AFBSNS	21384	5.60	1.39	1.0	9.0
H5AFBSNS	19578	5.61	1.35	1.0	9.0
H6AFBSNS	18165	5.57	1.38	1.0	9.0
H7AFBSNS	20129	5.55	1.43	1.0	9.0
H8AFBSNS	18469	5.57	1.39	1.0	9.0
H9AFBSNS	17217	5.58	1.39	1.0	9.0
H10AFBSNS	22034	5.62	1.45	1.0	9.0
H11AFBSNS	20554	5.60	1.40	1.0	9.0

H12AFBSNS	18747	5.63	1.38	1.0	9.0
H13AFBSNS	20912	5.69	1.35	1.0	9.0

Categorical Variable Codes

HwAFBSNS: Assets Flag:Business--Cross-wave

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	1514	1550	1349	1364	1209	1230	1459	1323	1197	1586
2.Complete bracket	|	453	617	367	505	418	395	437	312	326	341
3.Incomplete bracket	|	22	19	110	39	54	20	50	38	38	49
4.Range card bracket	|	106									
5.No value/bracket	|	127	104	152	216	225	236	253	271	197	197
6.No asset	|	10291	17091	15825	18946	17446	16168	17764	16409	15309	19321
7.DK ownership	|	44	84	62	143	102	71	79	53	76	143
9.No Fin resp	|	95	177	126	171	124	45	87	63	74	397

Value		w11	w12	w13
1.Continuous value	|	1453	1259	1300
2.Complete bracket	|	318	273	246
3.Incomplete bracket	|	42	40	36
4.Range card bracket	|			
5.No value/bracket	|	160	140	156
6.No asset	|	18316	16738	18690
7.DK ownership	|	96	101	109
9.No Fin resp	|	169	196	375

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed net value of businesses is assigned to HwABSNS. The HwAFBSNS variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of businesses is asked at each wave. The question wording is similar at all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any businesses and if so, the value of them.

In Waves 1 and 2A, the questions ask:

a) "Do you [or your (husband/wife/partner)] own part or all of a business?"

b) "If you sold (all of) the business(es) and paid off any debts on (it/them), how much would you get?"

In Wave 2H the wording of the first question changes slightly to include "farm":

a) "Do you [or your (husband/wife/partner)] own part or all of a farm or business?"

Beginning in Wave 3, the first question is almost identical to the Wave 2H version, and the second question adds the word "about":

a) "Do you (or your (husband/wife/partner)) own part or all of a business or farm?"

b) "If you sold all that and then paid off any debts on it, about how much would you get?"

Beginning in Wave 6, after the value of business or farm assets is collected, a question asks whether these assets were reported previously in the interview (e.g., HQ492). Beginning in Wave 9, a follow-up question was added which asks Respondents to indicate what percentage was previously reported (LQ523). For example, in Wave 9, about 30% of business owners indicate that they had reported their business wealth as one of the following: primary residence (which could be a farm or ranch), secondary residence, or other real estate earlier in the interview (LQ492 = yes). Of these business owners, most say that all of their business assets were previously reported (LQ523 = 100%).

The raw variables for these two questions are included in the RAND HRS Detailed Imputations File for the convenience of the analyst, and can be used for adjusting total wealth to reflect the amount of wealth that is twice reported. The variables are as follows:

Wave 6: HQ492

Wave 7: JQ492

Wave 8: KQ492

Wave 9: LQ492, LQ523

Wave 10: MQ492, MQ523

Wave 11: NQ492, NQ523

Wave 12: OQ492, OQ523

Wave 13: PQ492, PQ523

For the Q523 variables that are included in the RAND HRS Detailed Imputations File, we have recoded values of 998 and 999 to .D (Don't Know) and .R (Refuse), respectively. Since the answers to Q523 reflect percentages, using special missing codes in place of 998 and 999 will allow users to generate more accurate descriptive statistics, based on a maximum value of 100.

The RAND HRS Detailed Imputations File can be downloaded from the HRS web site. The raw variables for these two questions are also included with the RAND HRS Fat Files.

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
V15208      M5:R/SP/PART OWN BUS:IND
V15209      M6:VALUE OF BUSINESS:IND
V5208       M5:R/SP/PART OWN BUS:IMP
V5209       M6:VALUE OF BUSINESS:IMP
V5210       M6: ORIGINAL BRACKETS
AHEAD 1993:
B1729       K5. OWN BUSINESS: ANY
B1730       K6. OWN BUSINESS: NET VALUE
B1730C      CATEG: K6. OWN BUSINESS: NET VALUE
HRS 1994:
W15505      K5. Imputation Indicator
W15506      K6. Imputation Indicator
W5505       K5.OWN FARM OR BUSINESS
W5506       K6.VALUE OF BUSINESS
W5507       K6a-K6c. Brackets
AHEAD 1995:
D4005       J17.BUSINESS
D4006       J18.BUSINESS OR FARM $
D4010B      J18.BUSINESS OR FARM $/Bkt
HRS 1996:
E4096       J83.OWN BUSINESS OR FARM
E4097       J84.BUSINESS OR FARM $
E4098B      J84.BUSINESS OR FARM $/Bkt
HRS 1998:
F4856       J83.BUSINESS
F4857       J84.BUSINESS OR FARM $
F4858B      J84.(J18)BUSINESS OR FARM $-Bkt
HRS 2000:
G5301       J83.BUSINESS
G5302       J84.BUSINESS OR FARM $
G5303       J84A.DK-5K
G5304       J84B.DK-10K
G5305       J84C.DK-100K
G5306       J84D.DK-1 MIL
G5307       J84E.DK-10K
G5308       J84F.DK-5K
HRS 2002:
TYPASST     TYPE OF ASSETS
HRS 2002:
HU001       U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1     ASSET RECONCILIATION WHICH WRONG -1
HU002M2     ASSET RECONCILIATION WHICH WRONG -2
HU003       ASSET RECONCILIATION HOW MUCH
HU004       ASSET RECONCILIATION - MIN
HU005       ASSET RECONCILIATION - MAX
HU006       ASSET RECONCILIATION - RESULT
HRS 2004:
JU001_1     ASSET RECONCILIATION STEM QUESTION - 1
JU001_2     ASSET RECONCILIATION STEM QUESTION -2
JU001_3     ASSET RECONCILIATION STEM QUESTION -3
JU002_1     ASSET RECONCILIATION WHICH WRONG -1
JU002_2     ASSET RECONCILIATION WHICH WRONG -2
JU002_3     ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1    PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2    PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3    PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1    CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1

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JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xQ147	BUSINESS OR FARM ASSETS
xQ148	BUSINESS OR FARM EQUITY AMOUNT
xQ149	BUSINESS OR FARM EQUITY - MIN
xQ150	BUSINESS OR FARM EQUITY - MAX
xQ151	BUSINESS OR FARM EQUITY - RESULT
xQ492	BUSINESS/FARM AMT PREV REPORT
HRS 2006-2016:	
xU001_10	ASSET RECONCILIATION-BUS/FARM
xU002_10	ASSET RECON WHICH WRONG-BUS/FARM
xU003_10A	ASSET RECON HOW MUCH -A-BUS/FARM
xU003_10B	ASSET RECON HOW MUCH-B-BUS/FARM
xU004_10A	ASSET RECON-MIN-A-BUS/FARM
xU004_10B	ASSET RECON -MIN-B-BUS/FARM
xU005_10A	ASSET RECON -MAX-A -BUS/FARM
xU005_10B	ASSET RECON -MAX-B -BUS/FARM
xU006_10A	ASSET RECON- RESULT-A-BUS/FARM
xU006_10B	ASSET RECON - RESULT-B-BUS/FARM
xU022_10A	WHICH WAVE WRONG-A-BUS/FARM
xU022_10B	WHICH WAVE WRONG-B-BUS/FARM
HRS 2008-2016:	
xQ523	BUSINESS/FARM PERCENT REPORTED

Net value of IRA, Keogh accounts

Wave	Variable	Label	Type
1	H1AIRA	H1AIRA:W1 Assets:IRA [total]--Cross-wave	Cont
2	H2AIRA	H2AIRA:W2 Assets:IRA [total]--Cross-wave	Cont
3	H3AIRA	H3AIRA:W3 Assets:IRA [total]--Cross-wave	Cont
4	H4AIRA	H4AIRA:W4 Assets:IRA [total]--Cross-wave	Cont
5	H5AIRA	H5AIRA:W5 Assets:IRA [total]--Cross-wave	Cont
6	H6AIRA	H6AIRA:W6 Assets:IRA [total]--Cross-wave	Cont
7	H7AIRA	H7AIRA:W7 Assets:IRA [total]--Cross-wave	Cont
8	H8AIRA	H8AIRA:W8 Assets:IRA [total]--Cross-wave	Cont
9	H9AIRA	H9AIRA:W9 Assets:IRA [total]--Cross-wave	Cont
10	H10AIRA	H10AIRA:W10 Assets:IRA [total]--Cross-wave	Cont
11	H11AIRA	H11AIRA:W11 Assets:IRA [total]--Cross-wave	Cont
12	H12AIRA	H12AIRA:W12 Assets:IRA [total]--Cross-wave	Cont
13	H13AIRA	H13AIRA:W13 Assets:IRA [total]--Cross-wave	Cont
1	H1AFIRA	H1AFIRA:W1 Asst Flag: IRA [total]	Categ
2	H2AFIRA	H2AFIRA:W2 Asst Flag: IRA [total]	Categ
3	H3AFIRA	H3AFIRA:W3 Asst Flag: IRA [total]	Categ
4	H4AFIRA	H4AFIRA:W4 Asst Flag: IRA [total]	Categ
5	H5AFIRA	H5AFIRA:W5 Asst Flag: IRA [total]	Categ
6	H6AFIRA	H6AFIRA:W6 Asst Flag: IRA [total]	Categ
7	H7AFIRA	H7AFIRA:W7 Asst Flag: IRA [total]	Categ
8	H8AFIRA	H8AFIRA:W8 Asst Flag: IRA [total]	Categ
9	H9AFIRA	H9AFIRA:W9 Asst Flag: IRA [total]	Categ
10	H10AFIRA	H10AFIRA:W10 Asst Flag: IRA [total]	Categ
11	H11AFIRA	H11AFIRA:W11 Asst Flag: IRA [total]	Categ
12	H12AFIRA	H12AFIRA:W12 Asst Flag: IRA [total]	Categ
13	H13AFIRA	H13AFIRA:W13 Asst Flag: IRA [total]	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AIRA	12652	17699.16	56107.69	0.0	1200000.0
H2AIRA	19642	19917.43	71475.37	0.0	2000000.0
H3AIRA	17991	28131.47	107638.19	0.0	2905164.5
H4AIRA	21384	39028.30	137437.21	0.0	6273906.0
H5AIRA	19578	50477.60	197799.38	0.0	12080000.0
H6AIRA	18165	46574.25	144499.76	0.0	3600000.0
H7AIRA	20129	52030.18	315161.46	0.0	35027000.0
H8AIRA	18469	66160.29	520532.97	0.0	43000000.0
H9AIRA	17217	64129.85	195531.39	0.0	5400000.0
H10AIRA	22034	56600.96	177921.92	0.0	4383895.7
H11AIRA	20554	61079.48	191045.54	0.0	4898838.1
H12AIRA	18747	72859.39	277268.34	0.0	17000000.0
H13AIRA	20912	70276.89	228513.73	0.0	4044215.4
H1AFIRA	12652	0.58	1.00	0.0	9.0
H2AFIRA	19642	0.49	1.03	0.0	9.0
H3AFIRA	17991	0.52	0.98	0.0	9.0
H4AFIRA	21384	0.57	1.03	0.0	9.0
H5AFIRA	19578	0.58	0.98	0.0	9.0
H6AFIRA	18165	0.55	0.84	0.0	9.0
H7AFIRA	20129	0.57	0.91	0.0	9.0
H8AFIRA	18469	0.56	0.87	0.0	9.0
H9AFIRA	17217	0.56	0.91	0.0	9.0
H10AFIRA	22034	0.64	1.33	0.0	9.0

H11AFIRA	20554	0.53	1.03	0.0	9.0
H12AFIRA	18747	0.56	1.11	0.0	9.0
H13AFIRA	20912	0.59	1.32	0.0	9.0

Categorical Variable Codes

HwAFIRA: Asst Flag: IRA [total]											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No asset	|	7478	12977	11605	13196	11789	11085	12094	11099	10359	13729
1.No imputations	|	3685	4860	4365	5341	5098	4523	5199	4875	4511	5394
2.Some imputation	|	1394	1628	1895	2676	2567	2512	2749	2433	2273	2514
9.No Fin Resp	|	95	177	126	171	124	45	87	62	74	397

Value		w11	w12	w13
0.No asset	|	13337	11965	13829
1.No imputations	|	4733	4402	4520
2.Some imputation	|	2315	2184	2188
9.No Fin Resp	|	169	196	375

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed net value of all IRA and Keogh accounts is assigned to HwAIRA. HwAFIRA is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

HwAIRA is the sum of HwAIRA1, HwAIRA2, and HwAIRA3, which are each imputed separately. These variables, along with the associated imputation (HwAFIRA1, HwAFIRA2, HwAFIRA3) and ownership (HwAOIRA1, HwAOIRA2, HwAOIRA3) variables, are available in the RAND HRS Detailed Imputations File.

In waves where questions ask about multiple IRA accounts, HwAIRA represents the sum of the values of all of them.

Cross Wave Differences in Original HRS Data

The net value of IRA and Keogh accounts is asked at each wave. Two questions reveal whether the Respondent owns any IRA or Keogh accounts and if so, the value of them.

In Waves 1 and 2, the total of all IRA accounts is requested in one question:

a) "Do you [or your (husband/wife/partner)] have any Individual Retirement Accounts, that is, IRA or Keogh accounts?"

b) "How much in total is in all those accounts?"

Beginning in Wave 3, the questions ask about the two largest IRAs individually and then about all other IRAs collectively:

a) "Do you (or your (husband/wife/partner)) currently have any money or assets that are held in an Individual Retirement Account, that is, in an IRA or KEOGH account?"

b) "Let's talk about the (NEXT) largest IRA or KEOGH account/other IRA or KEOGH account/next largest IRA or KEOGH account/third IRA or KEOGH account/all the other IRA or KEOGH accounts. About how much is in this account at the present time?"

The second question is asked up to three times, depending on how many IRAs the Respondent reports. For each IRA, Respondents are also asked who the account belongs to, except in Wave 3, where this question is asked only for the first two IRAs. We do not use this information when creating the ownership variables (HwAOvar).

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

HRS 1992:

V15212	M7:R/SP/PARTNR HAVE :IND
V15213	M8:\$VAL OF IRA ACCOU:IND
V5212	M7:R/SP/PARTNR HAVE :IMP
V5213	M8:\$VAL OF IRA ACCOU:IMP
V5214	M8: ORIGINAL BRACKETS

AHEAD 1993:

B1734	K7. IRA: ANY
B1735	K8. IRA: TOTAL VALUE
B1735C	CATEG: K8. IRA: TOTAL VALUE

HRS 1994:

W15508	K7. Imputation Indicator
W15509	K8. Imputation Indicator
W5508	K7.IRA OR KEOGH ACCOUNTS
W5509	K8.AMOUNT IN IRA/KEOGHS
W5510	K8a-K8d. Brackets

AHEAD 1995:

D4045	J20.IRA
D4046	J20A. NUMBER IRAS
D4048	J21.TOTAL \$ IRA ACCOUNT
D4052B	J21.TOTAL \$ IRA ACCOUNT/Bkt
D4089	J21.INTRO IRA ACCOUNT-2
D4090	J22.TOTAL \$ IRA ACCOUNT-2
D4093B	J22.TOTAL \$ IRA ACCOUNT-2/Bkt
D4129	J22.TOTAL \$ IRA ACCOUNT-3
D4132B	J22.TOTAL \$ IRA ACCOUNT-3/Bkt

HRS 1996:

E4124	J90.IRA
E4125	J91.NUMBER IRAS
E4127	J93.TOTAL \$ IRA ACCOUNT
E4130B	J93.TOTAL \$ IRA ACCOUNT/Bkt
E4148	J99.INTRO IRA ACCOUNT-2
E4149	J100.TOTAL \$ IRA ACCOUNT-2
E4152B	J100.TOTAL \$ IRA ACCOUNT-2/Bkt

E4171	J107.TOTAL \$ IRA ACCOUNT-3
E4172B	J107.TOTAL \$ IRA ACCOUNT-3/Bkt
HRS 1998:	
F4884	J90.IRA
F4887	J93.TOTAL \$ IRA ACCOUNT
F4889B	J93.(J22-2)TOTAL \$ IRA ACCOUNT-Bkt
F4908	J99.INTRO IRA ACCOUNT-2
F4909	J100.TOTAL \$ IRA ACCOUNT-2
F4910B	J100.(J22-2)TOTAL \$ IRA ACCOUNT-2-Bkt
F4929	J106.INTRO IRA-3
F4930	J107.TOTAL \$ IRA ACCOUNT-3
F4931B	J107.(J22-3)TOTAL \$ IRA ACCOUNT-3-Bkt
HRS 2000:	
G5329	J90.IRA
G5332	J93.TOTAL \$ IRA ACCOUNT
G5334	J93A.IRA DK-\$10K
G5335	J93Y1A.IRA DK-\$25K
G5336	J93B.IRA DK-\$100K
G5338	J93C.IRA DK-\$400K
G5339	J93Y2A.IRA DK-\$25K
G5340	J93D.IRA DK-\$10K
G5353	J99.INTRO IRA ACCOUNT-2
G5354	J100.TOTAL \$ IRA ACCOUNT-2
G5355	J100A.IRA DK-\$10K
G5356	J100Y1A.IRA DK-\$25K
G5357	J100B.IRA DK-\$100K
G5359	J100C.IRA DK-\$400K
G5360	J100Y2A.IRA DK-\$25K
G5361	J100D.IRA DK-\$10K
G5374	J106.INTRO IRA-3
G5375	J107.TOTAL \$ IRA ACCOUNT-3
G5376	J107A.IRA DK-\$10K
G5377	J107Y1A.IRA DK-\$25K
G5378	J107B.IRA DK-\$100K
G5379	J107C.IRA DK-\$400K
G5380	J107Y2A.IRA DK-\$25K
G5381	J107D.IRA DK-\$10K
HRS 2002:	
TYPASST	TYPE OF ASSETS
HRS 2002:	
HU001	U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1	ASSET RECONCILIATION WHICH WRONG -1
HU002M2	ASSET RECONCILIATION WHICH WRONG -2
HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2

JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xQ162	IRA OR KEOGH
xQ165_1	WHO HAS IRA ACCOUNTS -1
xQ165_2	WHO HAS IRA ACCOUNTS -2
xQ165_3	WHO HAS IRA ACCOUNTS -3
xQ166_1	AMOUNT IN IRA ACCOUNT -1
xQ166_2	AMOUNT IN IRA ACCOUNT -2
xQ166_3	AMOUNT IN IRA ACCOUNT -3
xQ167_1	AMT IN IRA ACCOUNT - MIN -1
xQ167_2	AMT IN IRA ACCOUNT - MIN -2
xQ167_3	AMT IN IRA ACCOUNT - MIN -3
xQ168_1	AMT IN IRA ACCOUNT - MAX -1
xQ168_2	AMT IN IRA ACCOUNT - MAX -2
xQ168_3	AMT IN IRA ACCOUNT - MAX -3
xQ169_1	AMT IN IRA ACCOUNT - RESULT -1
xQ169_2	AMT IN IRA ACCOUNT - RESULT -2
xQ169_3	AMT IN IRA ACCOUNT - RESULT -3
HRS 2006-2016:	
xU001_9	ASSET RECONCILIATION-IRA
xU002_9	ASSET RECONCILIATION WHICH WRONG-IRA
xU003_9A	ASSET RECONCILIATION HOW MUCH -A-IRA
xU003_9B	ASSET RECONCILIATION HOW MUCH -B-IRA
xU004_9A	ASSET RECONCILIATION -MIN-A-IRA
xU004_9B	ASSET RECONCILIATION -MIN-B-IRA
xU005_9A	ASSET RECONCILIATION -MAX-A -IRA
xU005_9B	ASSET RECONCILIATION -MAX-B -IRA
xU006_9A	ASSET RECONCILIATION - RESULT-A-IRA
xU006_9B	ASSET RECONCILIATION - RESULT-B-IRA
xU022_9A	WHICH WAVE VALUE WAS WRONG-A-IRA
xU022_9B	WHICH WAVE VALUE WAS WRONG-B-IRA

Net value of stocks, mutual funds, and investment trusts

Wave	Variable	Label	Type
1	H1ASTCK	H1ASTCK:W1 Assets:Stocks--Cross-wave	Cont
2	H2ASTCK	H2ASTCK:W2 Assets:Stocks--Cross-wave	Cont
3	H3ASTCK	H3ASTCK:W3 Assets:Stocks--Cross-wave	Cont
4	H4ASTCK	H4ASTCK:W4 Assets:Stocks--Cross-wave	Cont
5	H5ASTCK	H5ASTCK:W5 Assets:Stocks--Cross-wave	Cont
6	H6ASTCK	H6ASTCK:W6 Assets:Stocks--Cross-wave	Cont
7	H7ASTCK	H7ASTCK:W7 Assets:Stocks--Cross-wave	Cont
8	H8ASTCK	H8ASTCK:W8 Assets:Stocks--Cross-wave	Cont
9	H9ASTCK	H9ASTCK:W9 Assets:Stocks--Cross-wave	Cont
10	H10ASTCK	H10ASTCK:W10 Assets:Stocks--Cross-wave	Cont
11	H11ASTCK	H11ASTCK:W11 Assets:Stocks--Cross-wave	Cont
12	H12ASTCK	H12ASTCK:W12 Assets:Stocks--Cross-wave	Cont
13	H13ASTCK	H13ASTCK:W13 Assets:Stocks--Cross-wave	Cont
1	H1AFSTCK	H1AFSTCK:W1 Assets Flag:Stocks--Cross-wave	Categ
2	H2AFSTCK	H2AFSTCK:W2 Assets Flag:Stocks--Cross-wave	Categ
3	H3AFSTCK	H3AFSTCK:W3 Assets Flag:Stocks--Cross-wave	Categ
4	H4AFSTCK	H4AFSTCK:W4 Assets Flag:Stocks--Cross-wave	Categ
5	H5AFSTCK	H5AFSTCK:W5 Assets Flag:Stocks--Cross-wave	Categ
6	H6AFSTCK	H6AFSTCK:W6 Assets Flag:Stocks--Cross-wave	Categ
7	H7AFSTCK	H7AFSTCK:W7 Assets Flag:Stocks--Cross-wave	Categ
8	H8AFSTCK	H8AFSTCK:W8 Assets Flag:Stocks--Cross-wave	Categ
9	H9AFSTCK	H9AFSTCK:W9 Assets Flag:Stocks--Cross-wave	Categ
10	H10AFSTCK	H10AFSTCK:W10 Assets Flag:Stocks--Cross-wave	Categ
11	H11AFSTCK	H11AFSTCK:W11 Assets Flag:Stocks--Cross-wave	Categ
12	H12AFSTCK	H12AFSTCK:W12 Assets Flag:Stocks--Cross-wave	Categ
13	H13AFSTCK	H13AFSTCK:W13 Assets Flag:Stocks--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ASTCK	12652	19329.38	130472.88	0.0	6801936.9
H2ASTCK	19642	26007.91	166119.45	-9500.0	9378679.0
H3ASTCK	17991	45876.48	413139.79	0.0	40000000.0
H4ASTCK	21384	55137.14	350432.75	0.0	30000000.0
H5ASTCK	19578	71011.03	450311.57	0.0	30000000.0
H6ASTCK	18165	58894.54	315820.46	0.0	20027050.0
H7ASTCK	20129	69279.41	502031.52	0.0	25000000.0
H8ASTCK	18469	75881.46	527509.65	0.0	30000000.0
H9ASTCK	17217	72006.28	372800.21	0.0	10004524.2
H10ASTCK	22034	57106.70	368597.76	0.0	20000000.0
H11ASTCK	20554	58005.97	441502.93	0.0	42300000.0
H12ASTCK	18747	77738.75	1442387.61	0.0	190000000.0
H13ASTCK	20912	63915.43	410744.89	0.0	17770113.1
H1AFSTCK	12652	4.79	2.10	1.0	9.0
H2AFSTCK	19642	4.85	2.09	1.0	9.0
H3AFSTCK	17991	4.69	2.14	1.0	9.0
H4AFSTCK	21384	4.71	2.15	1.0	9.0
H5AFSTCK	19578	4.66	2.16	1.0	9.0
H6AFSTCK	18165	4.70	2.14	1.0	9.0
H7AFSTCK	20129	4.73	2.13	1.0	9.0
H8AFSTCK	18469	4.85	2.07	1.0	9.0
H9AFSTCK	17217	4.92	2.03	1.0	9.0
H10AFSTCK	22034	5.11	1.99	1.0	9.0

H11AFSTCK	20554	5.16	1.89	1.0	9.0
H12AFSTCK	18747	5.15	1.92	1.0	9.0
H13AFSTCK	20912	5.30	1.84	1.0	9.0

Categorical Variable Codes

HwAFSTCK: Assets Flag:Stocks--Cross-wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	2438	3453	3604	4208	4092	3734	4143	3552	3072	3509
2.Complete bracket	|	676	1371	1074	1554	1290	1116	1117	802	755	723
3.Incomplete bracket	|	68	116	512	184	173	108	96	88	85	115
4.Range card bracket	|	196									
5.No value/bracket	|	207	324	390	713	809	806	795	614	517	453
6.No asset	|	8874	13919	12043	14129	12720	11914	13519	13014	12394	16387
7.DK ownership	|	98	282	242	425	370	442	372	336	320	450
9.No Fin resp	|	95	177	126	171	124	45	87	63	74	397
Value		w11	w12	w13							
1.Continuous value	|	2987	2816	2755							
2.Complete bracket	|	647	538	463							
3.Incomplete bracket	|	81	103	74							
4.Range card bracket	|										
5.No value/bracket	|	419	356	363							
6.No asset	|	15842	14339	16497							
7.DK ownership	|	409	399	385							
9.No Fin resp	|	169	196	375							

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed net value of stocks and mutual funds is assigned to HwASTCK. The HwAFSTCK variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Users should note the following outlier:

1. HHIDPN: 529220010 reported having stock assets (OQ317) worth \$190,000,000 in Wave 12. The accuracy of this amount has been confirmed by HRS.

Cross Wave Differences in Original HRS Data

The net value of stocks and mutual funds is asked at each wave. The question wording changes some after Wave 1, and the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any stocks or mutual funds and if so, the value of them.

In Wave 1, the questions ask:

- a) "For the next few questions, please exclude any assets held in the form of IRA and Keogh accounts. Do you [or your (husband/wife/partner)] have any shares of stock in publicly held corporations, mutual funds, or investment trusts?"
- b) "If you sold all that and paid off anything you owed on it, how much would you have?"

Beginning in Wave 2, the first question changes to:

- a) "(Aside from anything you have already told me about...) Do you [or your (husband/wife/partner)] have any shares of stock or stock mutual funds?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

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HRS 1992:
  V15217      M10:STCK/MUT FND/TRU:IND
  V15218      M11:$ VAL OF INVESTM:IND
  V5217       M10:STCK/MUT FND/TRU:IMP
  V5218       M11:$ VAL OF INVESTM:IMP
  V5219       M11:ORIGINAL BRACKETS
AHEAD 1993:
  B1743       K10. STOCK/MUTUAL FUNDS: ANY
  B1744       K11. STOCK/MUTUAL FUNDS: NET VALUE
  B1744C      CATEG: K11. STOCK/MUTUAL FUNDS
HRS 1994:
  W15511      K9. Imputation Indicator
  W15512      K10. Imputation Indicato
  W5511       K9.OWN STOCKS/STOCK MUTU
  W5512       K10.VALUE OF STOCKS
  W5513       K10a-K10d. Brackets
AHEAD 1995:
  D4338       J36.STOCK ASSETS
  D4339       J37.TOTAL $ STOCKS
  D4343B      J37.TOTAL $ STOCKS/Bkt
HRS 1996:
  E4339       J207.STOCK ASSETS
  E4340       J208.TOTAL $ STOCKS
  E4341B      J208.TOTAL $ STOCKS/Bkt
HRS 1998:
  F5099       J207.STOCK ASSETS
  F5100       J208.TOTAL $ STOCKS
  F5101B      J208.(J37)TOTAL $ STOCKS-Bkt
HRS 2000:
  G5554       J207.STOCK ASSETS
  G5555       J208.TOTAL $ STOCKS
  G5556       J208A. DK-2500
  G5557       J208Y1A. DK-$25K

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G5558	J208B. DK-\$125K
G5559	J208C. DK-\$400K
G5560	J208Y2A. DK-\$25K
G5561	J208D. DK-2500
HRS 2002:	
TYPASST	TYPE OF ASSETS
HRS 2002:	
HU001	U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1	ASSET RECONCILIATION WHICH WRONG -1
HU002M2	ASSET RECONCILIATION WHICH WRONG -2
HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xQ316	STOCK AND STOCK MUTUAL FUNDS
xQ317	STOCKS TOTAL VALUE
xQ318	STOCKS TOTAL VALUE - MIN
xQ319	STOCKS TOTAL VALUE - MAX
xQ320	STOCKS TOTAL VALUE - RESULT
HRS 2006-2016:	
xU001_8	ASSET RECONCILIATION-STOCK

xU002_8	ASSET RECON WHICH WRONG-STOCK
xU003_8A	ASSET RECON HOW MUCH -A-STOCK
xU003_8B	ASSET RECON HOW MUCH-B-STOCK
xU004_8A	ASSET RECON -MIN-A-STOCK
xU004_8B	ASSET RECON-MIN-B-STOCK
xU005_8A	ASSET RECON-MAX-A -STOCK
xU005_8B	ASSET RECON-MAX-B -STOCK
xU006_8A	ASSET RECON - RESULT-A-STOCK
xU006_8B	ASSET RECON- RESULT-B-STOCK
xU022_8A	WHICH WAVE WRONG-A-STOCK
xU022_8B	WHICH WAVE WRONG-B-STOCK

Value of checking, savings, or money market accounts
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Wave	Variable	Label	Type
1	H1ACHCK	H1ACHCK:W1 Assets:Checking,Savings Acct--Cross-wave	Cont
2	H2ACHCK	H2ACHCK:W2 Assets:Checking,Savings Acct--Cross-wave	Cont
3	H3ACHCK	H3ACHCK:W3 Assets:Checking,Savings Acct--Cross-wave	Cont
4	H4ACHCK	H4ACHCK:W4 Assets:Checking,Savings Acct--Cross-wave	Cont
5	H5ACHCK	H5ACHCK:W5 Assets:Checking,Savings Acct--Cross-wave	Cont
6	H6ACHCK	H6ACHCK:W6 Assets:Checking,Savings Acct--Cross-wave	Cont
7	H7ACHCK	H7ACHCK:W7 Assets:Checking,Savings Acct--Cross-wave	Cont
8	H8ACHCK	H8ACHCK:W8 Assets:Checking,Savings Acct--Cross-wave	Cont
9	H9ACHCK	H9ACHCK:W9 Assets:Checking,Savings Acct--Cross-wave	Cont
10	H10ACHCK	H10ACHCK:W10 Assets:Checking,Savings Acct--Cross-wave	Cont
11	H11ACHCK	H11ACHCK:W11 Assets:Checking,Savings Acct--Cross-wave	Cont
12	H12ACHCK	H12ACHCK:W12 Assets:Checking,Savings Acct--Cross-wave	Cont
13	H13ACHCK	H13ACHCK:W13 Assets:Checking,Savings Acct--Cross-wave	Cont
1	H1AFCHCK	H1AFCHCK:W1 Assets Flag:Checking,Savings--Cross-wave	Categ
2	H2AFCHCK	H2AFCHCK:W2 Assets Flag:Checking,Savings--Cross-wave	Categ
3	H3AFCHCK	H3AFCHCK:W3 Assets Flag:Checking,Savings--Cross-wave	Categ
4	H4AFCHCK	H4AFCHCK:W4 Assets Flag:Checking,Savings--Cross-wave	Categ
5	H5AFCHCK	H5AFCHCK:W5 Assets Flag:Checking,Savings--Cross-wave	Categ
6	H6AFCHCK	H6AFCHCK:W6 Assets Flag:Checking,Savings--Cross-wave	Categ
7	H7AFCHCK	H7AFCHCK:W7 Assets Flag:Checking,Savings--Cross-wave	Categ
8	H8AFCHCK	H8AFCHCK:W8 Assets Flag:Checking,Savings--Cross-wave	Categ
9	H9AFCHCK	H9AFCHCK:W9 Assets Flag:Checking,Savings--Cross-wave	Categ
10	H10AFCHCK	H10AFCHCK:W10 Assets Flag:Checking,Savings--Cross-wave	Categ
11	H11AFCHCK	H11AFCHCK:W11 Assets Flag:Checking,Savings--Cross-wave	Categ
12	H12AFCHCK	H12AFCHCK:W12 Assets Flag:Checking,Savings--Cross-wave	Categ
13	H13AFCHCK	H13AFCHCK:W13 Assets Flag:Checking,Savings--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ACHCK	12652	14776.98	68359.24	0.0	3283746.8
H2ACHCK	19642	17358.45	54762.49	0.0	2484846.8
H3ACHCK	17991	20519.00	75154.67	0.0	2968358.2
H4ACHCK	21384	23109.04	250787.36	0.0	25000000.0
H5ACHCK	19578	21570.38	71874.33	0.0	4645325.1
H6ACHCK	18165	27384.11	258550.97	0.0	33300000.0
H7ACHCK	20129	26809.36	87750.53	0.0	3440949.8
H8ACHCK	18469	26633.73	81440.54	0.0	2500000.0
H9ACHCK	17217	27745.52	76361.27	0.0	1700000.0
H10ACHCK	22034	27277.01	100935.23	0.0	4000000.0
H11ACHCK	20554	30741.67	160509.45	0.0	11138259.5
H12ACHCK	18747	33124.20	132938.40	0.0	5000000.0
H13ACHCK	20912	29976.74	127251.26	0.0	6813187.3
H1AFCHCK	12652	2.48	2.12	1.0	9.0
H2AFCHCK	19642	2.50	2.19	1.0	9.0
H3AFCHCK	17991	2.36	2.05	1.0	9.0
H4AFCHCK	21384	2.43	2.12	1.0	9.0
H5AFCHCK	19578	2.41	2.11	1.0	9.0
H6AFCHCK	18165	2.39	2.07	1.0	9.0
H7AFCHCK	20129	2.33	2.05	1.0	9.0
H8AFCHCK	18469	2.31	2.04	1.0	9.0
H9AFCHCK	17217	2.30	2.05	1.0	9.0
H10AFCHCK	22034	2.60	2.32	1.0	9.0

H11AFCHCK	20554	2.65	2.29	1.0	9.0
H12AFCHCK	18747	2.63	2.30	1.0	9.0
H13AFCHCK	20912	2.83	2.42	1.0	9.0

Categorical Variable Codes

HwAFCHCK: Assets Flag:Checking,Savings--Cross-wave

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	7383	11514	10787	12635	11959	11206	12603	11761	11066	13685
2.Complete bracket	|	1483	2638	2174	2969	2214	1890	2212	1864	1677	1472
3.Incomplete bracket	|	173	219	853	271	238	199	199	190	180	259
4.Range card bracket	|	532									
5.No value/bracket	|	515	833	945	1499	1734	1914	1902	1808	1548	1284
6.No asset	|	2357	3955	2855	3432	2957	2529	2825	2507	2423	4593
7.DK ownership	|	114	306	251	407	352	382	301	276	249	344
9.No Fin resp	|	95	177	126	171	124	45	87	63	74	397

Value		w11	w12	w13
1.Continuous value	|	12477	11564	12271
2.Complete bracket	|	1332	1171	1212
3.Incomplete bracket	|	208	192	186
4.Range card bracket	|			
5.No value/bracket	|	1235	1026	1104
6.No asset	|	4838	4314	5402
7.DK ownership	|	295	284	362
9.No Fin resp	|	169	196	375

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed value of checking, savings, and money market accounts is assigned to HwACHCK. The HwAFCHCK variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of checking, savings, and money market accounts is asked at each wave. The question wording is similar at all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any checking, savings, or money market accounts and if so, the value of them.

In Wave 1, these questions ask:

- a) "Do you [or your (husband/wife/partner)] have any money in checking or savings accounts, or money market funds?"
- b) "If you added up all such accounts [for you and your (husband/wife/partner)], about how much would they amount to right now?"

Beginning in Wave 2, initial wording is added to the first question:

- a) "(Aside from anything you have already told me about...) do you [or your (husband/wife/partner)] have any money in checking or savings accounts, or money market funds?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

HRS 1992:

V15221	M12:\$ IN CHKNG/SAV/\$:IND
V15222	M13:\$VAL OF BNK/MKT :IND
V5221	M12:\$ IN CHKNG/SAV/\$:IMP
V5222	M13:\$VAL OF BNK/MKT :IMP
V5223	M13:ORIGINAL BRACKETS

AHEAD 1993:

B1749	K12. BANK ACCT: ANY NOT MENTION BEFORE
B1750	K13. BANK ACCT: TOTAL VALUE
B1750C	CATEG: K13. BANK ACCT: TOTAL VALUE

HRS 1994:

W15514	K11. Imputation Indicato
W15515	K12. Imputation Indicato
W5514	K11.MONEY IN CHECKING/SA
W5515	K12.AMOUNT IN ALL ACCOUN
W5516	K12a-K12d. Brackets

AHEAD 1995:

D4424	J44.CHECKING, SAVING ASSETS
D4425	J44.TOTAL \$ CHECKING, SAVINGS
D4429B	J44.TOTAL \$ CHECKING, SAVINGS/Bkt

HRS 1996:

E4425	J222.CHECKING, SAVING ASSETS
E4426	J223.TOTAL \$ CHECKING, SAVINGS
E4427B	J223.TOTAL \$ CHECKING, SAVINGS/Bkt

HRS 1998:

F5185	J222.CHECKING, SAVING ASSETS
F5186	J223.TOTAL \$ CHECKING, SAVINGS
F5187B	J223.(J44)TOTAL \$ CHECKING, SAVINGS-Bkt

HRS 2000:

G5620	J222.CHECKING-SAVING ASSETS
G5621	J223.TOTAL \$ CHECKING-SAVINGS
G5622	J223A.DK-5K
G5623	J223B.DK-50K
G5624	J223C.DK-150K
G5625	J223D.DK-300K
G5626	J223E.DK-50K
G5627	J223F.DK-5K

HRS 2002:

TYPASST	TYPE OF ASSETS
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HRS 2002:
 HU001 U001A_ASSET RECONCILIATION STEM QUESTION
 HU002M1 ASSET RECONCILIATION WHICH WRONG -1
 HU002M2 ASSET RECONCILIATION WHICH WRONG -2
 HU003 ASSET RECONCILIATION HOW MUCH
 HU004 ASSET RECONCILIATION - MIN
 HU005 ASSET RECONCILIATION - MAX
 HU006 ASSET RECONCILIATION - RESULT
 HRS 2004:
 JU001_1 ASSET RECONCILIATION STEM QUESTION - 1
 JU001_2 ASSET RECONCILIATION STEM QUESTION -2
 JU001_3 ASSET RECONCILIATION STEM QUESTION -3
 JU002_1 ASSET RECONCILIATION WHICH WRONG -1
 JU002_2 ASSET RECONCILIATION WHICH WRONG -2
 JU002_3 ASSET RECONCILIATION WHICH WRONG - 3
 JU003A_1 PREV WAVE ASSET RECONCILIATION HOW MUCH -1
 JU003A_2 PREV WAVE ASSET RECONCILIATION HOW MUCH -2
 JU003A_3 PREV WAVE ASSET RECONCILIATION HOW MUCH -3
 JU003B_1 CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
 JU003B_2 CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
 JU003B_3 CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
 JU004A_1 PREV WAVE ASSET RECONCILIATION - MIN -1
 JU004A_2 PREV WAVE ASSET RECONCILIATION - MIN -2
 JU004A_3 PREV WAVE ASSET RECONCILIATION - MIN -3
 JU004B_1 CURRENT WAVE ASSET RECONCILIATION - MIN -1
 JU004B_2 CURRENT WAVE ASSET RECONCILIATION - MIN -2
 JU004B_3 CURRENT WAVE ASSET RECONCILIATION - MIN -3
 JU005A_1 PREV WAVE ASSET RECONCILIATION - MAX -1
 JU005A_2 PREV WAVE ASSET RECONCILIATION - MAX -2
 JU005A_3 PREV WAVE ASSET RECONCILIATION - MAX -3
 JU005B_1 CURRENT WAVE ASSET RECONCILIATION - MAX -1
 JU005B_2 CURRENT WAVE ASSET RECONCILIATION - MAX -2
 JU005B_3 CURRENT WAVE ASSET RECONCILIATION - MAX -3
 JU006A_1 PREV WAVE ASSET RECONCILIATION - RESULT -1
 JU006A_2 PREV WAVE ASSET RECONCILIATION - RESULT -2
 JU006A_3 PREV WAVE ASSET RECONCILIATION - RESULT -3
 JU006B_1 CURRENT WAVE ASSET RECONCILIATION - RESULT -1
 JU006B_2 CURRENT WAVE ASSET RECONCILIATION - RESULT -2
 JU006B_3 CURRENT WAVE ASSET RECONCILIATION - RESULT -3
 JU009_1 TYPE OF ASSETS - 1
 JU009_2 TYPE OF ASSETS -2
 JU009_3 TYPE OF ASSETS -3
 JU022A_1 PREV WAVE VALUE YEAR-1
 JU022A_2 PREV WAVE VALUE YEAR-2
 JU022A_3 PREV WAVE VALUE YEAR-3
 HRS 2002-2016:
 xQ344 CHECKING SAVINGS MARKET FUNDS
 xQ345 CHECKING TOTAL VALUE
 xQ346 CHECKING TOTAL VALUE - MIN
 xQ347 CHECKING TOTAL VALUE - MAX
 xQ348 CHECKING TOTAL VALUE - RESULT
 HRS 2006-2016:
 xU001_6 ASSET RECONCILIATION-CHECKING
 xU002_6 ASSET RECON WHICH WRONG-CHECKING
 xU003_6A ASSET RECON HOW MUCH -A-CHECKING
 xU003_6B ASSET RECON HOW MUCH-B-CHECKING
 xU004_6A ASSET RECON -MIN-A-CHECKING
 xU004_6B ASSET RECON -MIN-B-CHECKING
 xU005_6A ASSET RECON -MAX-A -CHECKING

xU005_6B	ASSET RECON-MAX-B -CHECKING
xU006_6A	ASSET RECON - RESULT-A-CHECKING
xU006_6B	ASSET RECON - RESULT-B-CHECKING
xU022_6A	WHICH WAVE WRONG-A-CHECKING
xU022_6B	WHICH WAVE WRONG-B-CHECKING

Value of CD, government savings bonds, and T-bills

Wave	Variable	Label	Type
1	H1ACD	H1ACD:W1 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
2	H2ACD	H2ACD:W2 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
3	H3ACD	H3ACD:W3 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
4	H4ACD	H4ACD:W4 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
5	H5ACD	H5ACD:W5 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
6	H6ACD	H6ACD:W6 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
7	H7ACD	H7ACD:W7 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
8	H8ACD	H8ACD:W8 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
9	H9ACD	H9ACD:W9 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
10	H10ACD	H10ACD:W10 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
11	H11ACD	H11ACD:W11 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
12	H12ACD	H12ACD:W12 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
13	H13ACD	H13ACD:W13 Assets:CDs, SvBonds, T-bills--Cross-wave	Cont
1	H1AFCD	H1AFCD:W1 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
2	H2AFCD	H2AFCD:W2 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
3	H3AFCD	H3AFCD:W3 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
4	H4AFCD	H4AFCD:W4 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
5	H5AFCD	H5AFCD:W5 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
6	H6AFCD	H6AFCD:W6 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
7	H7AFCD	H7AFCD:W7 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
8	H8AFCD	H8AFCD:W8 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
9	H9AFCD	H9AFCD:W9 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
10	H10AFCD	H10AFCD:W10 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
11	H11AFCD	H11AFCD:W11 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
12	H12AFCD	H12AFCD:W12 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ
13	H13AFCD	H13AFCD:W13 Assets Flag:CDs, SvBonds, T-bills--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ACD	12652	7946.22	61485.76	0.0	2363815.1
H2ACD	19642	8856.62	63050.75	0.0	3486958.9
H3ACD	17991	12488.58	79989.31	0.0	4197461.7
H4ACD	21384	12835.92	101317.97	0.0	7807183.1
H5ACD	19578	14289.63	71042.08	0.0	2750000.0
H6ACD	18165	13084.57	62013.48	0.0	2000000.0
H7ACD	20129	10938.26	55258.88	0.0	2000000.0
H8ACD	18469	16560.98	72230.08	0.0	3941459.8
H9ACD	17217	20113.92	88834.22	0.0	2773300.4
H10ACD	22034	11899.61	72261.23	0.0	4269791.0
H11ACD	20554	9862.01	62622.35	0.0	2378168.0
H12ACD	18747	9417.93	97311.54	0.0	10000000.0
H13ACD	20912	7761.57	61874.00	0.0	2500000.0
H1AFCD	12652	4.89	2.05	1.0	9.0
H2AFCD	19642	5.07	1.96	1.0	9.0
H3AFCD	17991	4.96	2.02	1.0	9.0
H4AFCD	21384	5.02	1.99	1.0	9.0
H5AFCD	19578	4.97	2.02	1.0	9.0
H6AFCD	18165	5.03	1.97	1.0	9.0
H7AFCD	20129	5.21	1.82	1.0	9.0
H8AFCD	18469	5.02	1.98	1.0	9.0
H9AFCD	17217	5.01	1.99	1.0	9.0
H10AFCD	22034	5.37	1.79	1.0	9.0

H11AFCD	20554	5.49	1.58	1.0	9.0
H12AFCD	18747	5.57	1.50	1.0	9.0
H13AFCD	20912	5.69	1.39	1.0	9.0

Categorical Variable Codes

HwAFCD: Assets Flag:CDs,SvBonds,T-bills--Cross-wave

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	2343	3060	3165	3536	3408	3084	2722	3217	3057	2720
2.Complete bracket	|	470	818	554	842	760	510	536	447	416	377
3.Incomplete bracket	|	59	80	314	77	67	42	41	75	66	80
4.Range card bracket	|	213									
5.No value/bracket	|	204	368	446	699	775	730	691	707	649	375
6.No asset	|	9149	14760	13017	15495	13941	13179	15556	13485	12492	17529
7.DK ownership	|	119	379	369	564	503	575	496	475	463	556
9.No Fin resp	|	95	177	126	171	124	45	87	63	74	397

Value		w11	w12	w13
1.Continuous value	|	1998	1573	1392
2.Complete bracket	|	261	204	200
3.Incomplete bracket	|	57	48	51
4.Range card bracket	|			
5.No value/bracket	|	317	242	195
6.No asset	|	17287	16041	18248
7.DK ownership	|	465	443	451
9.No Fin resp	|	169	196	375

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed value of CDs, government savings bonds, and treasury bills is assigned to HwACD. The HwAFCD variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The value of CDs, government savings bonds, and treasury bills is asked at each wave. The question wording is similar at all waves but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any CDs, government savings bonds, or T-bills and if so, the value of them.

In Wave 1, the questions ask:

- a) "Do you [or your (husband/wife/partner)] have any money in certificates of deposit, government savings bonds, or Treasury bills?"
- b) "If you added up all such accounts [for you and your (husband/wife/partner)], about how much would they amount to right now?"

Beginning in Wave 2, initial wording is added to the first question:

- a) "(Aside from anything you have already told me about...) do you [or your (husband/wife/partner)] have any money in certificates of deposit, government savings bonds, or Treasury bills?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

HRS 1992:

V15225	M14:CD/SAV BOND/T-BI:IND
V15226	M15:\$VAL OF CD/BOND/:IND
V5225	M14:CD/SAV BOND/T-BI:IMP
V5226	M15:\$VAL OF CD/BOND/:IMP
V5227	M15:ORIGINAL BRACKETS

AHEAD 1993:

B1755	K14. CD/SAV BONDS: ANY
B1756	K15. CD/SAV BONDS: TOTAL VALUE \$
B1756C	CATEG: K15. CD/SAV BONDS: TOTAL VALUE \$

HRS 1994:

W15517	K13. Imputation Indicato
W15518	K14. Imputation Indicato
W5517	K13.CODS/SAVINGS BONDS/T
W5518	K14.AMOUNT IN CODS/BONDS
W5519	K14a-K14d. Brackets

AHEAD 1995:

D4463	J47.CD,TBILL ASSETS
D4464	J48.TOTAL \$ CD
D4468B	J48.TOTAL \$ CD/Bkt

HRS 1996:

E4464	J229.CD,TBILL ASSETS
E4465	J230.TOTAL \$ CD
E4466B	J230.TOTAL \$ CD/Bkt

HRS 1998:

F5224	J229.CD,TBILL ASSETS
F5225	J230.TOTAL \$ CD
F5226B	J230.(J48)TOTAL \$ CD-Bkt

HRS 2000:

G5650	J229.CD-TBILL ASSETS
G5651	J230.TOTAL \$ CD
G5652	J230A. DK-2500
G5653	J230Y1A.DK-\$25K
G5654	J230B.DK-\$125K
G5655	J230C.DK-\$250K
G5656	J230Y2A.DK-\$25K
G5657	J230Y3A.DK-2500

HRS 2002:

TYPASST	TYPE OF ASSETS
HRS 2002:	
HU001	U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1	ASSET RECONCILIATION WHICH WRONG -1
HU002M2	ASSET RECONCILIATION WHICH WRONG -2
HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xQ356	CDS GOVT SAVINGS TBILLS
xQ357	CDS GOVT SAVINGS TBILLS TOTAL VALUE
xQ358	CDS TOTAL VALUE - MIN
xQ359	CDS TOTAL VALUE - MAX
xQ360	CDS TOTAL VALUE - RESULT
HRS 2006-2016:	
xU001_5	ASSET RECONCILIATION-CD
xU002_5	ASSET RECONCILIATION WHICH WRONG-CD
xU003_5A	ASSET RECONCILIATION HOW MUCH -A-CD
xU003_5B	ASSET RECONCILIATION HOW MUCH-B-CD
xU004_5A	ASSET RECONCILIATION -MIN-A-CD
xU004_5B	ASSET RECONCILIATION -MIN-B-CD

xU005_5A	ASSET RECONCILIATION -MAX-A -CD
xU005_5B	ASSET RECONCILIATION -MAX-B -CD
xU006_5A	ASSET RECONCILIATION - RESULT-A-CD
xU006_5B	ASSET RECONCILIATION - RESULT-B-CD
xU022_5A	WHICH WAVE VALUE WAS WRONG-A-CD
xU022_5B	WHICH WAVE VALUE WAS WRONG-B-CD

Net value of bonds and bond funds
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Wave	Variable	Label	Type
1	H1ABOND	H1ABOND:W1 Assets:Bonds--Cross-wave	Cont
2	H2ABOND	H2ABOND:W2 Assets:Bonds--Cross-wave	Cont
3	H3ABOND	H3ABOND:W3 Assets:Bonds--Cross-wave	Cont
4	H4ABOND	H4ABOND:W4 Assets:Bonds--Cross-wave	Cont
5	H5ABOND	H5ABOND:W5 Assets:Bonds--Cross-wave	Cont
6	H6ABOND	H6ABOND:W6 Assets:Bonds--Cross-wave	Cont
7	H7ABOND	H7ABOND:W7 Assets:Bonds--Cross-wave	Cont
8	H8ABOND	H8ABOND:W8 Assets:Bonds--Cross-wave	Cont
9	H9ABOND	H9ABOND:W9 Assets:Bonds--Cross-wave	Cont
10	H10ABOND	H10ABOND:W10 Assets:Bonds--Cross-wave	Cont
11	H11ABOND	H11ABOND:W11 Assets:Bonds--Cross-wave	Cont
12	H12ABOND	H12ABOND:W12 Assets:Bonds--Cross-wave	Cont
13	H13ABOND	H13ABOND:W13 Assets:Bonds--Cross-wave	Cont
1	H1AFBOND	H1AFBOND:W1 Assets Flag:Bonds--Cross-wave	Categ
2	H2AFBOND	H2AFBOND:W2 Assets Flag:Bonds--Cross-wave	Categ
3	H3AFBOND	H3AFBOND:W3 Assets Flag:Bonds--Cross-wave	Categ
4	H4AFBOND	H4AFBOND:W4 Assets Flag:Bonds--Cross-wave	Categ
5	H5AFBOND	H5AFBOND:W5 Assets Flag:Bonds--Cross-wave	Categ
6	H6AFBOND	H6AFBOND:W6 Assets Flag:Bonds--Cross-wave	Categ
7	H7AFBOND	H7AFBOND:W7 Assets Flag:Bonds--Cross-wave	Categ
8	H8AFBOND	H8AFBOND:W8 Assets Flag:Bonds--Cross-wave	Categ
9	H9AFBOND	H9AFBOND:W9 Assets Flag:Bonds--Cross-wave	Categ
10	H10AFBOND	H10AFBOND:W10 Assets Flag:Bonds--Cross-wave	Categ
11	H11AFBOND	H11AFBOND:W11 Assets Flag:Bonds--Cross-wave	Categ
12	H12AFBOND	H12AFBOND:W12 Assets Flag:Bonds--Cross-wave	Categ
13	H13AFBOND	H13AFBOND:W13 Assets Flag:Bonds--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ABOND	12652	3022.88	34852.11	0.0	1517500.4
H2ABOND	19642	4762.12	64964.95	0.0	4500000.0
H3ABOND	17991	9167.46	115868.80	0.0	6926725.2
H4ABOND	21384	7858.86	82805.03	0.0	4000000.0
H5ABOND	19578	7920.87	69516.64	0.0	3000000.0
H6ABOND	18165	10087.02	91792.04	0.0	3500000.0
H7ABOND	20129	11290.65	114049.32	0.0	6000000.0
H8ABOND	18469	11320.49	136735.38	0.0	8604871.3
H9ABOND	17217	10006.05	90797.22	0.0	3000000.0
H10ABOND	22034	8518.24	98744.58	0.0	8477045.1
H11ABOND	20554	9925.95	205996.58	0.0	25000000.0
H12ABOND	18747	8269.77	116071.54	0.0	8500000.0
H13ABOND	20912	9330.69	164285.30	0.0	15000000.0
H1AFBOND	12652	5.76	1.13	1.0	9.0
H2AFBOND	19642	5.79	1.11	1.0	9.0
H3AFBOND	17991	5.68	1.27	1.0	9.0
H4AFBOND	21384	5.73	1.22	1.0	9.0
H5AFBOND	19578	5.74	1.18	1.0	9.0
H6AFBOND	18165	5.71	1.20	1.0	9.0
H7AFBOND	20129	5.74	1.16	1.0	9.0
H8AFBOND	18469	5.78	1.07	1.0	9.0
H9AFBOND	17217	5.76	1.12	1.0	9.0
H10AFBOND	22034	5.85	1.11	1.0	9.0
H11AFBOND	20554	5.82	1.04	1.0	9.0

H12AFBOND	18747	5.86	0.99	1.0	9.0
H13AFBOND	20912	5.91	0.96	1.0	9.0

Categorical Variable Codes

HwAFBOND: Assets Flag:Bonds--Cross-wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	560	774	977	1016	878	905	894	725	741	813
2.Complete bracket	|	94	222	247	335	271	234	261	166	163	169
3.Incomplete bracket	|	8	37	120	36	33	28	23	18	24	36
4.Range card bracket	|	49									
5.No value/bracket	|	76	102	158	225	288	243	260	230	188	163
6.No asset	|	11661	18010	16121	19151	17561	16283	18189	16923	15709	20012
7.DK ownership	|	109	320	242	450	423	427	415	344	318	444
9.No Fin resp	|	95	177	126	171	124	45	87	63	74	397

Value		w11	w12	w13
1.Continuous value	|	717	567	524
2.Complete bracket	|	159	124	141
3.Incomplete bracket	|	27	29	32
4.Range card bracket	|			
5.No value/bracket	|	171	138	147
6.No asset	|	18971	17327	19333
7.DK ownership	|	340	366	360
9.No Fin resp	|	169	196	375

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed net value of bonds or bond funds is assigned to HwABOND. The HwAFBOND variable indicates if the value is imputed, and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The net value of bonds or bond funds is asked at each wave. The question wording is similar at all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any bonds or bond funds and if so, the value of them.

In Wave 1, the questions ask:

- a) "Do you [or your (husband/wife/partner)] have any corporate, municipal, government, or foreign bonds, or any bond funds?"
- b) "If you sold all those bonds or bond funds and paid off anything you owed on them, how much would you have?"

Beginning in Wave 2, initial wording is added to the first question:

- a) "(Aside from anything you have already told me about...) do you [or your (husband/wife/partner)] have any corporate, municipal, government, or foreign bonds, or any bond funds?"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

HRS 1992:

V15229	M16:R/SP OWN ANY BON:IND
V15230	M17:\$ VAL OF THESE B:IND
V5229	M16:R/SP OWN ANY BON:IMP
V5230	M17:\$ VAL OF THESE B:IMP
V5231	M17:ORIGINAL BRACKETS

AHEAD 1993:

B1761	K16. CORP/GOVT BONDS: ANY
B1762	K17. CORP/GOVT BONDS: NET VALUE
B1762C	CATEG: K17. CORP/GOVT BONDS: NET VALUE

HRS 1994:

W15520	K15. Imputation Indicato
W15521	K16. Imputation Indicato
W5520	K15.OWN CORPORATE/GOVT B
W5521	K16.VALUE OF BONDS
W5522	K16a-K16d. Brackets

AHEAD 1995:

D4381	J40.BOND ASSETS
D4382	J41.TOTAL \$ BONDS
D4386B	J41.TOTAL \$ BONDS/Bkt

HRS 1996:

E4382	J215.BOND ASSETS
E4383	J216.TOTAL \$ BONDS
E4384B	J216.TOTAL \$ BONDS/Bkt

HRS 1998:

F5142	J215.BOND ASSETS
F5143	J216.TOTAL \$ BONDS
F5144B	J216.(J41)TOTAL \$ BONDS-Bkt

HRS 2000:

G5587	J215.BOND ASSETS
G5588	J216.TOTAL \$ BONDS
G5589	J216A.BONDS DK-2500
G5590	J216Y1A.BONDS DK-\$10K
G5591	J216B.BONDS DK-\$100K
G5593	J216C.BONDS DK-\$400K
G5594	J216Y2A.BONDS DK-\$10K
G5595	J216D.BONDS DK-2500

HRS 2002:

TYPASST	TYPE OF ASSETS
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HRS 2002:

HU001	U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1	ASSET RECONCILIATION WHICH WRONG -1

HU002M2	ASSET RECONCILIATION WHICH WRONG -2
HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xQ330	BOND ASSETS
xQ331	BOND ASSETS TOTAL VALUE
xQ332	BOND ASSETS TOTAL VALUE - MIN
xQ333	BOND ASSETS TOTAL VALUE - MAX
xQ334	BOND ASSETS TOTAL VALUE - RESULT
HRS 2006-2016:	
xU001_7	ASSET RECONCILIATION-BOND
xU002_7	ASSET RECONCILIATION WHICH WRONG-BOND
xU003_7A	ASSET RECONCILIATION HOW MUCH -A-BOND
xU003_7B	ASSET RECONCILIATION HOW MUCH-B-BOND
xU004_7A	ASSET RECONCILIATION -MIN-A-BOND
xU004_7B	ASSET RECONCILIATION -MIN-B-BOND
xU005_7A	ASSET RECONCILIATION -MAX-A -BOND
xU005_7B	ASSET RECONCILIATION -MAX-B -BOND
xU006_7A	ASSET RECONCILIATION - RESULT-A-BOND
xU006_7B	ASSET RECONCILIATION - RESULT-B-BOND

xU022_7A	WHICH WAVE VALUE WAS WRONG-A-BOND
xU022_7B	WHICH WAVE VALUE WAS WRONG-B-BOND

Net value of all other savings

Wave	Variable	Label	Type
1	H1AOTHR	H1AOTHR:W1 Assets:Other svngs, assets--Cross-wave	Cont
2	H2AOTHR	H2AOTHR:W2 Assets:Other svngs, assets--Cross-wave	Cont
3	H3AOTHR	H3AOTHR:W3 Assets:Other svngs, assets--Cross-wave	Cont
4	H4AOTHR	H4AOTHR:W4 Assets:Other svngs, assets--Cross-wave	Cont
5	H5AOTHR	H5AOTHR:W5 Assets:Other svngs, assets--Cross-wave	Cont
6	H6AOTHR	H6AOTHR:W6 Assets:Other svngs, assets--Cross-wave	Cont
7	H7AOTHR	H7AOTHR:W7 Assets:Other svngs, assets--Cross-wave	Cont
8	H8AOTHR	H8AOTHR:W8 Assets:Other svngs, assets--Cross-wave	Cont
9	H9AOTHR	H9AOTHR:W9 Assets:Other svngs, assets--Cross-wave	Cont
10	H10AOTHR	H10AOTHR:W10 Assets:Other svngs, assets--Cross-wave	Cont
11	H11AOTHR	H11AOTHR:W11 Assets:Other svngs, assets--Cross-wave	Cont
12	H12AOTHR	H12AOTHR:W12 Assets:Other svngs, assets--Cross-wave	Cont
13	H13AOTHR	H13AOTHR:W13 Assets:Other svngs, assets--Cross-wave	Cont
1	H1AFOTHR	H1AFOTHR:W1 Assets Flag:Other svngs,assets--Cross-wave	Categ
2	H2AFOTHR	H2AFOTHR:W2 Assets Flag:Other svngs,assets--Cross-wave	Categ
3	H3AFOTHR	H3AFOTHR:W3 Assets Flag:Other svngs,assets--Cross-wave	Categ
4	H4AFOTHR	H4AFOTHR:W4 Assets Flag:Other svngs,assets--Cross-wave	Categ
5	H5AFOTHR	H5AFOTHR:W5 Assets Flag:Other svngs,assets--Cross-wave	Categ
6	H6AFOTHR	H6AFOTHR:W6 Assets Flag:Other svngs,assets--Cross-wave	Categ
7	H7AFOTHR	H7AFOTHR:W7 Assets Flag:Other svngs,assets--Cross-wave	Categ
8	H8AFOTHR	H8AFOTHR:W8 Assets Flag:Other svngs,assets--Cross-wave	Categ
9	H9AFOTHR	H9AFOTHR:W9 Assets Flag:Other svngs,assets--Cross-wave	Categ
10	H10AFOTHR	H10AFOTHR:W10 Assets Flag:Other svngs,assets--Cross-wave	Categ
11	H11AFOTHR	H11AFOTHR:W11 Assets Flag:Other svngs,assets--Cross-wave	Categ
12	H12AFOTHR	H12AFOTHR:W12 Assets Flag:Other svngs,assets--Cross-wave	Categ
13	H13AFOTHR	H13AFOTHR:W13 Assets Flag:Other svngs,assets--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AOTHR	12652	8287.92	58716.08	0.0	3000000.0
H2AOTHR	19642	6515.89	34961.41	0.0	1000000.0
H3AOTHR	17991	7933.86	65221.35	0.0	3347994.3
H4AOTHR	21384	9143.91	89052.03	0.0	6000000.0
H5AOTHR	19578	9727.22	72867.04	0.0	3155000.0
H6AOTHR	18165	17371.03	708677.11	0.0	90000000.0
H7AOTHR	20129	13438.65	105324.49	0.0	5000000.0
H8AOTHR	18469	16094.80	180192.78	0.0	15000000.0
H9AOTHR	17217	14024.20	148018.42	0.0	15000000.0
H10AOTHR	22034	14177.62	192088.27	-50000.0	18000000.0
H11AOTHR	20554	11201.72	91011.83	0.0	5000000.0
H12AOTHR	18747	12484.12	92321.94	0.0	3140662.0
H13AOTHR	20912	12949.74	137257.65	0.0	9312143.2
H1AFOTHR	12652	5.34	1.70	1.0	9.0
H2AFOTHR	19642	5.22	1.85	1.0	9.0
H3AFOTHR	17991	5.34	1.72	1.0	9.0
H4AFOTHR	21384	5.41	1.66	1.0	9.0
H5AFOTHR	19578	5.39	1.67	1.0	9.0
H6AFOTHR	18165	5.43	1.61	1.0	9.0
H7AFOTHR	20129	5.29	1.76	1.0	9.0
H8AFOTHR	18469	5.30	1.74	1.0	9.0
H9AFOTHR	17217	5.32	1.73	1.0	9.0
H10AFOTHR	22034	5.36	1.79	1.0	9.0

H11AFOTHR	20554	5.36	1.73	1.0	9.0
H12AFOTHR	18747	5.33	1.78	1.0	9.0
H13AFOTHR	20912	5.45	1.70	1.0	9.0

Categorical Variable Codes

HwAFOTHR: Assets Flag:Other svngs,assets--Cross-wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	1427	2707	2124	2234	2082	1862	2507	2294	2088	2716
2.Complete bracket	|	303	585	400	509	481	317	497	380	373	453
3.Incomplete bracket	|	22	35	15	27	24	21	21	26	30	61
4.Range card bracket	|	110									
5.No value/bracket	|	126	156	141	183	217	194	323	239	219	215
6.No asset	|	10453	15686	14969	17857	16359	15381	16361	15207	14175	17784
7.DK ownership	|	116	296	216	403	291	345	333	260	258	408
9.No Fin resp	|	95	177	126	171	124	45	87	63	74	397

Value		w11	w12	w13
1.Continuous value	|	2467	2400	2315
2.Complete bracket	|	349	331	306
3.Incomplete bracket	|	30	27	23
4.Range card bracket	|			
5.No value/bracket	|	188	179	191
6.No asset	|	16987	15234	17318
7.DK ownership	|	364	380	384
9.No Fin resp	|	169	196	375

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed net value of all other savings is assigned to HwAOTHR. The HwAFOTHR variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Users should note that there are two Respondents in Wave 6 who reported large values in Section U, much higher than their reported amounts in Section Q.

1. HHIDPN: 10893010 reported no ownership for the asset "other personal items of value" in Section Q and a value of \$90,000,000 in Section U for the same asset.

2. HHIDPN: 131812010 reported a complete bracket of \$100,001+ in Section Q for the same asset type. However, in Section U a value of \$30,000,000 was reported.

Since the RAND HRS wealth imputation process uses the corrected Section U values when available, the final values for these 2 cases are 90 and 30 million dollars, respectively. Therefore, please use caution when drawing inferences about total wealth from Wave 6, as these 2 cases largely influence the total wealth values.

Cross Wave Differences in Original HRS Data

The net value of all other savings is asked at each wave. The question wording is slightly different across waves and the unfolding bracket questions vary. Two questions reveal whether the Respondent owns any other savings funds and if so, the value of them:

In Wave 1, the questions ask:

- a) "Do you [or your (husband/wife/partner)] have any other savings or assets, such as money owed to you by others, a valuable collection for investment purposes, an annuity, or rights in a trust or estate that you haven't already told me about?"
- b) "If you sold all that and then paid off any debts on it, about how much would you have?"

In Wave 2, the wording to the initial question changes slightly:

- a) "Do you (or your (husband/wife/partner)) have any other savings or assets, such as jewelry, money owed to you by others, a collection for investment purposes, or an annuity that you haven't already told me about?"

Beginning in Wave 3, the initial question combines the wording found in Waves 1 and 2:

- a) "Do you [or your (husband/wife/partner)] have any other savings or assets, such as jewelry, money owed to you by others, a collection for investment purposes, rights in a trust or estate where you are the beneficiary, or an annuity that you haven't already told me about? [EXCLUDE THE CASH VALUE OF ANY LIFE INSURANCE POLICIES.]"

In all waves, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket amounts and entry points vary across waves. In Wave 1, range card brackets may be coded instead of unfolding brackets.

HRS Variables Used

HRS 1992:

V15233	M18:OTHER SAVINGS/AS:IND
V15234	M19:\$ VAL OF SAV/ASS:IND
V5233	M18:OTHER SAVINGS/AS:IMP
V5234	M19:\$ VAL OF SAV/ASS:IMP
V5235	M19:ORIGINAL BRACKETS

AHEAD 1993:

B1782	K21. OTHER ASSETS: ANY
B1783	K22. OTH ASSETS: NET VALUE
B1783C	CATEG: K22. OTH ASSETS: NET VALUE

HRS 1994:

W15523	K17. Imputation Indicato
W15524	K18. Imputation Indicato
W5523	K17.OTHER SAVINGS/ASSETS
W5524	K18.VALUE OF OTHER SAVIN
W5525	K18a-K18c. Brackets

AHEAD 1995:

D4512	J52.OTHER ASSETS
D4513	J53.OTHER ASSETS \$

D4514B	J53.OTHER ASSETS \$/Bkt
HRS 1996:	
E4513	J239.OTHER ASSETS
E4514	J240.OTHER ASSETS \$
E4515B	J240.OTHER ASSETS \$/Bkt
HRS 1998:	
F5273	J239.OTHER ASSETS
F5274	J240.OTHER ASSETS \$
F5275B	J240.(J53)OTHER ASSETS \$-Bkt
HRS 2000:	
G5694	J239.OTHER ASSETS
G5695	J240.OTHER ASSETS \$
G5696	J240A. DK-5K
G5697	J240Y1A. DK-50000
G5698	J240B. DK-100000
G5699	J240Y1B. DK-50000
G5700	J240D. DK-5000
HRS 2002:	
TYPASST	TYPE OF ASSETS
HRS 2002:	
HU001	U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1	ASSET RECONCILIATION WHICH WRONG -1
HU002M2	ASSET RECONCILIATION WHICH WRONG -2
HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3

JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xQ375	OTHER ASSETS
xQ376	OTHER ASSETS TOTAL VALUE
xQ377	OTHER ASSETS TOTAL VALUE - MIN
xQ378	OTHER ASSETS TOTAL VALUE - MAX
xQ379	OTHER ASSETS TOTAL VALUE-RESULT
HRS 2004-2016:	
xU001_3	ASSET RECONCILIATION STEM QUESTION -3
xU002_3	ASSET RECONCILIATION WHICH WRONG - 3
HRS 2006-2016:	
xU003_3A	ASSET RECONCILIATION HOW MUCH -A-OTHER
xU003_3B	ASSET RECONCILIATION HOW MUCH-B-OTHER
xU004_3A	ASSET RECONCILIATION -MIN-A-OTHER
xU004_3B	ASSET RECONCILIATION -MIN-B-OTHER
xU005_3A	ASSET RECONCILIATION -MAX-A -OTHER
xU005_3B	ASSET RECONCILIATION -MAX-B -OTHER
xU006_3A	ASSET RECONCILIATION - RESULT-A-OTHER
xU006_3B	ASSET RECONCILIATION - RESULT-B-OTHER
xU022_3A	WHICH WAVE VALUE WAS WRONG-A-OTHER
xU022_3B	WHICH WAVE VALUE WAS WRONG-B-OTHER

Value of other debt

Wave	Variable	Label	Type
1	H1ADEBT	H1ADEBT:W1 Assets:Debts [not yet asked]--Cross-wave	Cont
2	H2ADEBT	H2ADEBT:W2 Assets:Debts [not yet asked]--Cross-wave	Cont
3	H3ADEBT	H3ADEBT:W3 Assets:Debts [not yet asked]--Cross-wave	Cont
4	H4ADEBT	H4ADEBT:W4 Assets:Debts [not yet asked]--Cross-wave	Cont
5	H5ADEBT	H5ADEBT:W5 Assets:Debts [not yet asked]--Cross-wave	Cont
6	H6ADEBT	H6ADEBT:W6 Assets:Debts [not yet asked]--Cross-wave	Cont
7	H7ADEBT	H7ADEBT:W7 Assets:Debts [not yet asked]--Cross-wave	Cont
8	H8ADEBT	H8ADEBT:W8 Assets:Debts [not yet asked]--Cross-wave	Cont
9	H9ADEBT	H9ADEBT:W9 Assets:Debts [not yet asked]--Cross-wave	Cont
10	H10ADEBT	H10ADEBT:W10 Assets:Debts [not yet asked]--Cross-wave	Cont
11	H11ADEBT	H11ADEBT:W11 Assets:Debts [not yet asked]--Cross-wave	Cont
12	H12ADEBT	H12ADEBT:W12 Assets:Debts [not yet asked]--Cross-wave	Cont
13	H13ADEBT	H13ADEBT:W13 Assets:Debts [not yet asked]--Cross-wave	Cont
1	H1AFDEBT	H1AFDEBT:W1 Assets Flag:Debts--Cross-wave	Categ
2	H2AFDEBT	H2AFDEBT:W2 Assets Flag:Debts--Cross-wave	Categ
3	H3AFDEBT	H3AFDEBT:W3 Assets Flag:Debts--Cross-wave	Categ
4	H4AFDEBT	H4AFDEBT:W4 Assets Flag:Debts--Cross-wave	Categ
5	H5AFDEBT	H5AFDEBT:W5 Assets Flag:Debts--Cross-wave	Categ
6	H6AFDEBT	H6AFDEBT:W6 Assets Flag:Debts--Cross-wave	Categ
7	H7AFDEBT	H7AFDEBT:W7 Assets Flag:Debts--Cross-wave	Categ
8	H8AFDEBT	H8AFDEBT:W8 Assets Flag:Debts--Cross-wave	Categ
9	H9AFDEBT	H9AFDEBT:W9 Assets Flag:Debts--Cross-wave	Categ
10	H10AFDEBT	H10AFDEBT:W10 Assets Flag:Debts--Cross-wave	Categ
11	H11AFDEBT	H11AFDEBT:W11 Assets Flag:Debts--Cross-wave	Categ
12	H12AFDEBT	H12AFDEBT:W12 Assets Flag:Debts--Cross-wave	Categ
13	H13AFDEBT	H13AFDEBT:W13 Assets Flag:Debts--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ADEBT	12652	3252.65	19735.23	0.0	900000.0
H2ADEBT	19642	2260.06	11656.16	0.0	500000.0
H3ADEBT	17991	2416.12	13684.61	0.0	500000.0
H4ADEBT	21384	3543.00	67484.56	0.0	6666733.0
H5ADEBT	19578	2646.40	15340.41	0.0	700000.0
H6ADEBT	18165	2967.90	18860.43	0.0	800000.0
H7ADEBT	20129	4182.62	39173.29	0.0	2400000.0
H8ADEBT	18469	4135.02	38006.15	0.0	2200000.0
H9ADEBT	17217	4375.71	32362.18	0.0	1900000.0
H10ADEBT	22034	6069.96	32851.72	0.0	2000000.0
H11ADEBT	20554	5268.41	28724.74	0.0	1700000.0
H12ADEBT	18747	5117.43	26034.51	0.0	1500000.0
H13ADEBT	20912	6081.89	34154.42	0.0	2000000.0
H1AFDEBT	12652	4.25	2.41	1.0	9.0
H2AFDEBT	19642	4.72	2.22	1.0	9.0
H3AFDEBT	17991	4.76	2.18	1.0	9.0
H4AFDEBT	21384	4.82	2.15	1.0	9.0
H5AFDEBT	19578	4.75	2.18	1.0	9.0
H6AFDEBT	18165	4.89	2.08	1.0	9.0
H7AFDEBT	20129	4.67	2.21	1.0	9.0
H8AFDEBT	18469	4.65	2.22	1.0	9.0
H9AFDEBT	17217	4.59	2.26	1.0	9.0
H10AFDEBT	22034	4.40	2.41	1.0	9.0
H11AFDEBT	20554	4.45	2.35	1.0	9.0

H12AFDEBT	18747	4.49	2.34	1.0	9.0
H13AFDEBT	20912	4.42	2.41	1.0	9.0

Categorical Variable Codes

HwAFDEBT: Assets Flag:Debts--Cross-wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	4400	4726	4106	4627	4565	3697	4933	4649	4598	6893
2.Complete bracket	|		544	539	671	479	431	599	472	363	458
3.Incomplete bracket	|		14	11	28	39	28	28	26	41	52
4.Range card bracket	|	189									
5.No value/bracket	|	292	93	122	163	168	217	222	202	199	238
6.No asset	|	7415	13859	12914	15443	13973	13459	14012	12842	11725	13688
7.DK ownership	|	261	229	173	281	230	288	248	215	217	308
9.No Fin resp	|	95	177	126	171	124	45	87	63	74	397

Value		w11	w12	w13
1.Continuous value	|	6160	5500	6535
2.Complete bracket	|	387	308	365
3.Incomplete bracket	|	58	54	40
4.Range card bracket	|			
5.No value/bracket	|	174	190	204
6.No asset	|	13347	12265	13084
7.DK ownership	|	259	234	309
9.No Fin resp	|	169	196	375

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed value of debt is assigned to HwADEBT. The HwAFDEBT variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Cross Wave Differences in Original HRS Data

The value of other debt is asked at each wave. The question wording is the same in all waves, but the unfolding bracket questions vary. Two questions reveal whether the Respondent has any other debt and if so, the value of it:

a) And do you [or your (husband/wife/partner)] have any debts that we haven't asked about, such as credit card balances, medical debts,

life insurance policy loans, loans from relatives, and so forth?

b) About how much would that amount to?

From Wave 2 forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket ranges and entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

HRS 1992:	
V15237	M20:OTHR_DBTS_Y/N_NE:IND
V15238	M20A:OTHER_DEBTS_\$_N:IND
V5237	M20:OTHR_DBTS_Y/N_NE:IMP
V5238	M20A:OTHER_DEBTS_\$_N:IMP
AHEAD 1993:	
B1787	K23. DEBTS: ANY
B1788	K24. DEBTS: TOTAL \$
B1788C	CATEG: K24. DEBTS: TOTAL \$
HRS 1994:	
W15526	K19. Imputation Indicato
W15527	K20. Imputation Indicato
W5526	K19.OTHER DEBTS
W5527	K20.AMOUNT OF OTHER DEBT
W5528	K20a-K20c. Brackets
AHEAD 1995:	
D4725	J81.DEBTS
D4726	J82.DEBTS \$
D4727B	J82.DEBTS \$/Bkt
HRS 1996:	
E4726	J302.DEBTS
E4727	J303.DEBTS \$
E4728B	J303.DEBTS \$/Bkt
HRS 1998:	
F5486	J302.DEBTS
F5487	J303.DEBTS \$
F5488B	J303. (J82) DEBTS \$-Bkt
HRS 2000:	
G5846	J302.DEBTS
G5847	J303.DEBTS \$
G5848	J303A. DK-500
G5849	J303Y1A. DK-5000
G5850	J303B. DK-50000
G5851	J303Y1B. DK-5000
G5852	J303D. DK-500
HRS 2002:	
TYPASST	TYPE OF ASSETS
HRS 2002:	
HU001	U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1	ASSET RECONCILIATION WHICH WRONG -1
HU002M2	ASSET RECONCILIATION WHICH WRONG -2
HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3

JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xQ477	R OR SP ANY DEBTS NOT ASKED ABOUT BEFORE
xQ478	R OR SP DEBTS AMOUNT
xQ479	DEBTS AMOUNT - MIN
xQ480	DEBTS AMOUNT - MAX
xQ481	DEBTS AMOUNT - RESULT
HRS 2004-2016:	
xU001_1	ASSET RECONCILIATION STEM QUESTION - 1
xU002_1	ASSET RECONCILIATION WHICH WRONG -1
HRS 2006-2016:	
xU003_1A	ASSET RECONCILIATION HOW MUCH -A-DEBTS
xU003_1B	ASSET RECONCILIATION HOW MUCH-B-DEBTS
xU004_1A	ASSET RECONCILIATION -MIN-A-DEBTS
xU004_1B	ASSET RECONCILIATION -MIN-B-DEBTS
xU005_1A	ASSET RECONCILIATION -MAX-A -DEBTS
xU005_1B	ASSET RECONCILIATION -MAX-B -DEBTS
xU006_1A	ASSET RECONCILIATION - RESULT-A-DEBTS
xU006_1B	ASSET RECONCILIATION - RESULT-B-DEBTS
xU022_1A	WHICH WAVE VALUE WAS WRONG-A-DEBTS
xU022_1B	WHICH WAVE VALUE WAS WRONG-B-DEBTS

Value of primary residence

Wave	Variable	Label	Type
1	H1AHOUS	H1AHOUS:W1 Assets:Primary Residence--Cross-wave	Cont
2	H2AHOUS	H2AHOUS:W2 Assets:Primary Residence--Cross-wave	Cont
3	H3AHOUS	H3AHOUS:W3 Assets:Primary Residence--Cross-wave	Cont
4	H4AHOUS	H4AHOUS:W4 Assets:Primary Residence--Cross-wave	Cont
5	H5AHOUS	H5AHOUS:W5 Assets:Primary Residence--Cross-wave	Cont
6	H6AHOUS	H6AHOUS:W6 Assets:Primary Residence--Cross-wave	Cont
7	H7AHOUS	H7AHOUS:W7 Assets:Primary Residence--Cross-wave	Cont
8	H8AHOUS	H8AHOUS:W8 Assets:Primary Residence--Cross-wave	Cont
9	H9AHOUS	H9AHOUS:W9 Assets:Primary Residence--Cross-wave	Cont
10	H10AHOUS	H10AHOUS:W10 Assets:Primary Residence--Cross-wave	Cont
11	H11AHOUS	H11AHOUS:W11 Assets:Primary Residence--Cross-wave	Cont
12	H12AHOUS	H12AHOUS:W12 Assets:Primary Residence--Cross-wave	Cont
13	H13AHOUS	H13AHOUS:W13 Assets:Primary Residence--Cross-wave	Cont
1	H1AFHOUS	H1AFHOUS:W1 Assets Flag:Primary Residence--Cross-wave	Categ
2	H2AFHOUS	H2AFHOUS:W2 Assets Flag:Primary Residence--Cross-wave	Categ
3	H3AFHOUS	H3AFHOUS:W3 Assets Flag:Primary Residence--Cross-wave	Categ
4	H4AFHOUS	H4AFHOUS:W4 Assets Flag:Primary Residence--Cross-wave	Categ
5	H5AFHOUS	H5AFHOUS:W5 Assets Flag:Primary Residence--Cross-wave	Categ
6	H6AFHOUS	H6AFHOUS:W6 Assets Flag:Primary Residence--Cross-wave	Categ
7	H7AFHOUS	H7AFHOUS:W7 Assets Flag:Primary Residence--Cross-wave	Categ
8	H8AFHOUS	H8AFHOUS:W8 Assets Flag:Primary Residence--Cross-wave	Categ
9	H9AFHOUS	H9AFHOUS:W9 Assets Flag:Primary Residence--Cross-wave	Categ
10	H10AFHOUS	H10AFHOUS:W10 Assets Flag:Primary Residence--Cross-wave	Categ
11	H11AFHOUS	H11AFHOUS:W11 Assets Flag:Primary Residence--Cross-wave	Categ
12	H12AFHOUS	H12AFHOUS:W12 Assets Flag:Primary Residence--Cross-wave	Categ
13	H13AFHOUS	H13AFHOUS:W13 Assets Flag:Primary Residence--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOUS	12652	85494.46	97884.35	0.0	1400000.0
H2AHOUS	19642	84126.83	123838.16	0.0	5000000.0
H3AHOUS	17991	88453.69	114286.62	0.0	5000000.0
H4AHOUS	21384	100650.06	249658.19	0.0	20000000.0
H5AHOUS	19578	113203.30	247688.22	0.0	14000000.0
H6AHOUS	18165	129182.74	178939.84	0.0	10000000.0
H7AHOUS	20129	161344.91	341811.81	0.0	25000000.0
H8AHOUS	18469	194618.73	269766.13	0.0	6000000.0
H9AHOUS	17217	197554.65	444819.51	0.0	25000000.0
H10AHOUS	22034	162296.27	248194.56	0.0	10000000.0
H11AHOUS	20554	154698.03	231066.26	0.0	10000000.0
H12AHOUS	18747	163308.21	242031.01	0.0	7585442.3
H13AHOUS	20912	172193.72	260983.98	0.0	6000000.0
H1AFHOUS	12652	2.16	2.11	1.0	9.0
H2AFHOUS	19642	2.28	2.14	1.0	9.0
H3AFHOUS	17991	2.22	2.09	1.0	9.0
H4AFHOUS	21384	2.23	2.10	1.0	9.0
H5AFHOUS	19578	2.21	2.09	1.0	9.0
H6AFHOUS	18165	2.23	2.08	1.0	9.0
H7AFHOUS	20129	2.24	2.08	1.0	9.0
H8AFHOUS	18469	2.23	2.08	1.0	9.0
H9AFHOUS	17217	2.26	2.09	1.0	9.0
H10AFHOUS	22034	2.55	2.30	1.0	9.0

H11AFHOUS	20554	2.54	2.26	1.0	9.0
H12AFHOUS	18747	2.57	2.29	1.0	9.0
H13AFHOUS	20912	2.76	2.39	1.0	9.0

Categorical Variable Codes

HwAFHOUS: Assets Flag:Primary Residence--Cross-wave

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	9635	13301	12409	14726	13661	12601	13752	12686	11596	13893
2.Complete bracket	|		1701	1495	1747	1408	1293	1623	1419	1478	1639
3.Incomplete bracket	|		88	51	88	130	104	114	115	155	171
4.Range card bracket	|	178									
5.No value/bracket	|	315	177	239	337	330	354	330	267	272	384
6.No asset	|	2419	4141	3671	4257	3860	3587	4173	3904	3595	5585
7.DK ownership	|	10	57	11	59	67	187	76	30	58	67
9.No Fin resp	|	95	177	115	170	122	39	61	48	63	295

Value		w11	w12	w13
1.Continuous value	|	12928	11839	12576
2.Complete bracket	|	1540	1183	1254
3.Incomplete bracket	|	171	170	160
4.Range card bracket	|			
5.No value/bracket	|	349	331	340
6.No asset	|	5365	5000	6212
7.DK ownership	|	60	59	79
9.No Fin resp	|	141	165	291

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed value of the Respondent's primary residence is assigned to HwAHOUS. The HwAFHOUS variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

HwAHOUS is assigned from either HwAMOBL if the primary residence is a mobile home, or HwAHOU1 if not. HwAMOBL and HwAHOU1 are imputed separately, and these variables, along with the associated imputation (HwAFHOUS1, HwAFMOBL) and ownership (HwAOHOUS1, HwAOMOBL) variables, are available in the RAND HRS Detailed Imputations File.

From Wave 3 forward to determine ownership of a primary residence, we look at responses to questions about whether the

person is in a nursing home and if so, whether s/he owns a home outside of the nursing home. In some cases, there is a discrepancy between what is reported on these questions and what was listed on the Tracker file, that is - some individuals said they were in a nursing home (and did not own a home outside of the nursing home), but the Tracker file said they were not in a nursing home. We considered the information from Tracker to be the most accurate.

Cross Wave Differences in Original HRS Data

The value of the primary residence is asked at each wave. Questions reveal whether the Respondent owns her/his primary residence and if so, the value of it.

In all waves, there are several questions which ask the Respondent about ownership of the residence and its value, depending on the type of home, e.g., a farm or ranch, mobile home, condominium, etc.

In Wave 1 the questions are asked in several places, all slightly different:

1a) "Do you [or your (husband/wife/partner)] own this (farm/ranch), do you own part of it, do you rent it, is it owned by a business, or what?"

1b) "Could you tell me the present value of this house and the immediately surrounding land? I mean, about what would it bring if it were sold today? would it bring if it were sold today?"

2a) "Do you [or your (husband/wife/partner)] own both this mobile home and site or lot, do you own only the mobile home, do you own only the site, do you rent both the home and site, or what?"

2b) "Could you tell me the present value of this mobile home (and site)? I mean, about what would it bring if it were sold today?"

3a) "Do you [and your (husband/wife/partner)] own this (house and lot/apartment), do you rent, or what?"

3b) "What is the present value of this (home and land/apartment/property)? I mean, about what would it bring if it were sold today?"

In Waves 2 and 3 the ownership questions are slightly different and all branch to one value question:

1a) "Do you [and your (husband/wife/partner)] own your home, rent it, or what?"

2a) "Do you [or your (husband/wife/partner)] own this (farm/ranch), do you own part of it, do you rent it, or what?"

3a) "Do you [or your (husband/wife/partner)] own both the mobile home and site, do you own only the home, do you rent both the home and site, or what?"

b) "What is its present value? I mean, about what would it bring if it were sold today?"

Beginning in Wave 4, the question wordings are the same but the question on mobile home value is a separate one from the value of a house or farm, and the unfolding brackets differ for the two types of property.

From Wave 2 forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

In Waves 6 forward, some mobile home owners who did not report values were directed to the house value and subsequent bracket questions (if needed), which are different from those for mobile homes. Here, we imputed missing values using whichever series of brackets they were given. There were also some cases where values were given for both the mobile home and house questions. This is often the result of corrections from Section U. We checked all such cases and determined the most reasonable way to interpret

the data. See Appendix B: Mobile Home/House Inconsistencies in the RAND HRS Detailed Imputations File Codebook available on the [HRS website](#) for more information.

HRS Variables Used

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HRS 1992:
V10605      D2A:VALUE_OF_PROPERT:IND
V10612      D5:FRM_VAL:HOUSE LAN:IND
V10616      D8:MBL_HM/SITE/BOTH :IND
V10619      8B:MBL_HM_SITE:VALUE:IND
V10632      D10:OWN_MBL_HM:VALUE:IND
V10640      D15:OWN_HM SITE:VALU:IND
V10701      D17:OWN/RENT:LOT/ETC:IND
V10712      D20:VALUE_OF_PROPERT:IND
V603        D2:OWN RANCH/FARM
V605        D2A:VALUE OF PROPERT:IMP
V612        D5:FRM:VALUE-HOUSE/L:IMP
V616        D8:OWN MBL HM/SITE/B:IMP
V619        D8B:MH SITE:$VAL OF :IMP
V632        D10:OWN MBL HM: VALU:IMP
V640        D15:OWN HM SITE:$V:IMP
V701        D17:LOT/APRTMNT:OWN/:IMP
V712        D20:VALUE-R'S PROPER:IMP

AHEAD 1993:
B1067      F10. MOBILE HOME & SITE: OWN/RENT
B1087      F23. OWN OR RENT FARM/RANCH?
B1088      F23a. OWN FARMHOUSE?
B1091      F25. OWN OR RENT HOME/APT?
B1099      F26. VALUE OF HOME AND LAND
B1099C     CATEG: F26. VALUE OF HOME AND LAND

HRS 1994:
W607      D3.OWN OR RENT CURRENT H
W609      D4.OWN PART/ALL OR RENT
W611      D4b.OWN HOUSE AND SURROU
W613      D5.OWN/RENT MOBILE HOME/
W614      D6.PRESENT VALUE OF MOBI
W615      D6a-D6d. Brackets

AHEAD 1995:
D2225      F2.TYPE HOME
D2226      F3.OWN-RENT HOME
D2229      F4.OWN FARM
D2246      F6.HOME VALUE $
D2247B     F6.HOME VALUE $/Bkt

HRS 1996:
E2225      F2.TYPE HOME
E2226      F3.OWN-RENT HOME
E2229      F4.OWN FARM
E2246      F6.HOME VALUE $
E2247B     F6.HOME VALUE $/Bkt

HRS 1998:
F2742      F2.TYPE HOME
F2743      F3.OWN-RENT HOME
F2746      F4.OWN FARM
F2751      F5.OWN MOBILE HOME AND SITE
F2753      F5B.MOBILE HOME VALUE $
F2754B     F5B.MOBILE HOME VALUE $-Bkt
F2760      F6.HOME VALUE $
F2761B     F6.HOME VALUE $-Bkt

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HRS 2000:
 G3060 F2.TYPE HOME
 G3061 F3.OWN-RENT HOME
 G3064 F4.OWN FARM
 G3069 F5.OWN MOBILE HOME-SITE
 G3071 F5B.MOBILE HOME VALUE \$
 G3072 F5C.F5 DK-1
 G3073 F5D.F5 DK-2
 G3074 F5E.F5 DK-3
 G3075 F5F.F5 DK-4
 G3078 F6.HOME VALUE \$
 G3079 F6DX.F6 DK-4
 G3080 F6A.F6 DK-1
 G3081 F6B.F6 DK-2
 G3082 F6C.F6 DK-3
 G3083 F6AX.F6 DK-1
 G3084 F6D.F6 DK-4
 HRS 2002:
 TYPASST TYPE OF ASSETS
 HRS 2002:
 HU001 U001A_ASSET RECONCILIATION STEM QUESTION
 HU002M1 ASSET RECONCILIATION WHICH WRONG -1
 HU002M2 ASSET RECONCILIATION WHICH WRONG -2
 HU003 ASSET RECONCILIATION HOW MUCH
 HU004 ASSET RECONCILIATION - MIN
 HU005 ASSET RECONCILIATION - MAX
 HU006 ASSET RECONCILIATION - RESULT
 HRS 2004:
 JU001_1 ASSET RECONCILIATION STEM QUESTION - 1
 JU001_2 ASSET RECONCILIATION STEM QUESTION -2
 JU001_3 ASSET RECONCILIATION STEM QUESTION -3
 JU002_1 ASSET RECONCILIATION WHICH WRONG -1
 JU002_2 ASSET RECONCILIATION WHICH WRONG -2
 JU002_3 ASSET RECONCILIATION WHICH WRONG - 3
 JU003A_1 PREV WAVE ASSET RECONCILIATION HOW MUCH -1
 JU003A_2 PREV WAVE ASSET RECONCILIATION HOW MUCH -2
 JU003A_3 PREV WAVE ASSET RECONCILIATION HOW MUCH -3
 JU003B_1 CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
 JU003B_2 CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
 JU003B_3 CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
 JU004A_1 PREV WAVE ASSET RECONCILIATION - MIN -1
 JU004A_2 PREV WAVE ASSET RECONCILIATION - MIN -2
 JU004A_3 PREV WAVE ASSET RECONCILIATION - MIN -3
 JU004B_1 CURRENT WAVE ASSET RECONCILIATION - MIN -1
 JU004B_2 CURRENT WAVE ASSET RECONCILIATION - MIN -2
 JU004B_3 CURRENT WAVE ASSET RECONCILIATION - MIN -3
 JU005A_1 PREV WAVE ASSET RECONCILIATION - MAX -1
 JU005A_2 PREV WAVE ASSET RECONCILIATION - MAX -2
 JU005A_3 PREV WAVE ASSET RECONCILIATION - MAX -3
 JU005B_1 CURRENT WAVE ASSET RECONCILIATION - MAX -1
 JU005B_2 CURRENT WAVE ASSET RECONCILIATION - MAX -2
 JU005B_3 CURRENT WAVE ASSET RECONCILIATION - MAX -3
 JU006A_1 PREV WAVE ASSET RECONCILIATION - RESULT -1
 JU006A_2 PREV WAVE ASSET RECONCILIATION - RESULT -2
 JU006A_3 PREV WAVE ASSET RECONCILIATION - RESULT -3
 JU006B_1 CURRENT WAVE ASSET RECONCILIATION - RESULT -1
 JU006B_2 CURRENT WAVE ASSET RECONCILIATION - RESULT -2
 JU006B_3 CURRENT WAVE ASSET RECONCILIATION - RESULT -3
 JU009_1 TYPE OF ASSETS - 1

JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xH002	TYPE HOME
xH004	OWN-RENT HOME
xH008	OWN PART OR ALL/RENT FARM
xH014	OWN MOBILE HOME/SITE
xH016	MOBILE HOME PRESENT VALUE
xH017	MOBILE HOME PRESENT VALUE- MIN
xH018	MOBILE HOME PRESENT VALUE- MAX
xH019	MOBILE HOME PRESENT VALUE- RESULT
xH020	HOME PRESENT VALUE
xH021	HOME PRESENT VALUE- MIN
xH022	HOME PRESENT VALUE- MAX
xH023	HOME PRESENT VALUE- RESULT
HRS 2006-2016:	
xU001_12	ASSET RECONCILIATION-HOME
xU001_16	ASSET RECONCILIATION-MOBILE HOME
xU002_12	ASSET RECON WHICH WRONG-HOME
xU002_16	ASSET RECON WHICH WRONG-MOBILE HOME
xU003_12A	ASSET RECON HOW MUCH -A-HOME
xU003_12B	ASSET RECON HOW MUCH -B-HOME
xU003_16A	ASSET RECON HOW MUCH -A-MOBILE HOME
xU003_16B	ASSET RECON HOW MUCH -B-MOBILE HOME
xU004_12A	ASSET RECON -MIN-A-HOME
xU004_12B	ASSET RECON -MIN-B-HOME
xU004_16A	ASSET RECON -MIN-A-MOBILE HOME
xU004_16B	ASSET RECON -MIN-B-MOBILE HOME
xU005_12A	ASSET RECON -MAX-A -HOME
xU005_12B	ASSET RECON -MAX-B -HOME
xU005_16A	ASSET RECON -MAX-A -MOBILE HOME
xU005_16B	ASSET RECON -MAX-B -MOBILE HOME
xU006_12A	ASSET RECON - RESULT-A-HOME
xU006_12B	ASSET RECON- RESULT-B-HOME
xU006_16A	ASSET RECON - RESULT-A-MOBILE HOME
xU006_16B	ASSET RECON - RESULT-B-MOBILE HOME
xU022_12A	WHICH WAVE WRONG-A-HOME
xU022_12B	WHICH WAVE WRONG-B-HOME
xU022_16A	WHICH WAVE WRONG-A-MOBILE HOME
xU022_16B	WHICH WAVE WRONG-B-MOBILE HOME
Tracker:	
xNURSHM	2000-2016 NURSING HOME STATUS

Value of all mortgages/land contracts (primary residence)
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Wave	Variable	Label	Type
1	H1AMORT	H1AMORT:W1 Assets:Total Mortgage--Cross-wave	Cont
2	H2AMORT	H2AMORT:W2 Assets:Total Mortgage--Cross-wave	Cont
3	H3AMORT	H3AMORT:W3 Assets:Total Mortgage--Cross-wave	Cont
4	H4AMORT	H4AMORT:W4 Assets:Total Mortgage--Cross-wave	Cont
5	H5AMORT	H5AMORT:W5 Assets:Total Mortgage--Cross-wave	Cont
6	H6AMORT	H6AMORT:W6 Assets:Total Mortgage--Cross-wave	Cont
7	H7AMORT	H7AMORT:W7 Assets:Total Mortgage--Cross-wave	Cont
8	H8AMORT	H8AMORT:W8 Assets:Total Mortgage--Cross-wave	Cont
9	H9AMORT	H9AMORT:W9 Assets:Total Mortgage--Cross-wave	Cont
10	H10AMORT	H10AMORT:W10 Assets:Total Mortgage--Cross-wave	Cont
11	H11AMORT	H11AMORT:W11 Assets:Total Mortgage--Cross-wave	Cont
12	H12AMORT	H12AMORT:W12 Assets:Total Mortgage--Cross-wave	Cont
13	H13AMORT	H13AMORT:W13 Assets:Total Mortgage--Cross-wave	Cont
1	H1AFMORT	H1AFMORT:W1 Asst Flag: Total Mortgage	Categ
2	H2AFMORT	H2AFMORT:W2 Asst Flag: Total Mortgage	Categ
3	H3AFMORT	H3AFMORT:W3 Asst Flag: Total Mortgage	Categ
4	H4AFMORT	H4AFMORT:W4 Asst Flag: Total Mortgage	Categ
5	H5AFMORT	H5AFMORT:W5 Asst Flag: Total Mortgage	Categ
6	H6AFMORT	H6AFMORT:W6 Asst Flag: Total Mortgage	Categ
7	H7AFMORT	H7AFMORT:W7 Asst Flag: Total Mortgage	Categ
8	H8AFMORT	H8AFMORT:W8 Asst Flag: Total Mortgage	Categ
9	H9AFMORT	H9AFMORT:W9 Asst Flag: Total Mortgage	Categ
10	H10AFMORT	H10AFMORT:W10 Asst Flag: Total Mortgage	Categ
11	H11AFMORT	H11AFMORT:W11 Asst Flag: Total Mortgage	Categ
12	H12AFMORT	H12AFMORT:W12 Asst Flag: Total Mortgage	Categ
13	H13AFMORT	H13AFMORT:W13 Asst Flag: Total Mortgage	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AMORT	12652	20518.58	42403.14	0.0	1070000.0
H2AMORT	19642	14489.50	71459.90	0.0	6000000.0
H3AMORT	17991	14087.33	37688.35	0.0	1000000.0
H4AMORT	21384	17682.75	43627.19	0.0	1000000.0
H5AMORT	19578	19341.00	47943.08	0.0	1200000.0
H6AMORT	18165	20918.57	52952.84	0.0	930000.0
H7AMORT	20129	29787.64	67570.73	0.0	1300000.0
H8AMORT	18469	33428.23	80617.89	0.0	1250000.0
H9AMORT	17217	34876.01	87942.47	0.0	3000000.0
H10AMORT	22034	40283.57	97149.77	0.0	3250000.0
H11AMORT	20554	37503.77	86141.59	0.0	1100000.0
H12AMORT	18747	35705.75	90634.09	0.0	5060000.0
H13AMORT	20912	39179.55	92399.19	0.0	1607224.5
H1AFMORT	12652	0.57	0.93	0.0	9.0
H2AFMORT	19642	0.41	0.98	0.0	9.0
H3AFMORT	17991	0.38	0.88	0.0	9.0
H4AFMORT	21384	0.41	0.95	0.0	9.0
H5AFMORT	19578	0.40	0.88	0.0	9.0
H6AFMORT	18165	0.36	0.71	0.0	9.0
H7AFMORT	20129	0.41	0.75	0.0	9.0
H8AFMORT	18469	0.39	0.72	0.0	9.0
H9AFMORT	17217	0.39	0.77	0.0	9.0
H10AFMORT	22034	0.48	1.14	0.0	9.0

H11AFMORT	20554	0.40	0.90	0.0	9.0
H12AFMORT	18747	0.40	0.97	0.0	9.0
H13AFMORT	20912	0.46	1.15	0.0	9.0

Categorical Variable Codes

HwAFMORT: Asst Flag: Total Mortgage											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No asset	|	6725	13662	12893	14903	13549	12842	13499	12619	11895	14700
1.No imputations	|	5340	5057	4239	5410	4996	4304	5502	4923	4438	6050
2.Some imputation	|	492	746	744	901	911	979	1067	879	821	989
9.No Fin Resp	|	95	177	115	170	122	40	61	48	63	295

Value		w11	w12	w13
0.No asset	|	14199	13234	14456
1.No imputations	|	5414	4658	5330
2.Some imputation	|	800	690	835
9.No Fin Resp	|	141	165	291

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed value of all mortgages is assigned to HwAMORT. HwAFMORT is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

HwAMORT is the sum of the first and second mortgages (HwAMRT1, HwAMRT2), which are each imputed separately. These variables, along with the associated imputation (HwAFMRT1, HwAFMRT2) and ownership (HwAOMRT1, HwAOMRT2) variables, are available in the RAND HRS Detailed Imputations File.

Both a 1st and 2nd mortgage can be reported in the data, though respondents may report having a second mortgage and not a first (i.e., one does not imply the other). The only exceptions are Waves 1 and 2A. In Wave 1, the survey questions only allow Respondents to report having a second mortgage if they have a first. In Wave 2A, Respondents who say "Someone else pays/DK/RF" to the question about the first mortgage (Are you paying anything on a mortgage or other loan on [this property]) can report having a second mortgage (though this does not occur). HwAMORT sums the 1st and 2nd mortgages.

Cross Wave Differences in Original HRS Data

The values of first and second mortgages are asked at each wave. Questions reveal whether the Respondent has a first and second mortgage and if so, the value of them.

In Wave 1, the questions ask:

- a) "Is there a mortgage or land contract on this (home and land/apartment/ property)?" [NOTE: If the Respondent asks, do not include home equity loans or lines of credit]
- b) "How much is still owed on this loan?"
- c) "In addition to your (mortgage/land contract) do you have a second mortgage or a land contract on this property? (Please do not include any home equity lines of credit.)"
- d) "How much is still owed on this loan?"

In Wave 2A, the questions ask:

- a) "Are you paying anything on a mortgage or other loan on [this property]?"
- b) "About how much do you still owe on this mortgage or loan?"
- c) "In addition to your mortgage or loan do you have a second mortgage or a land contract on this property?"
- d) "About how much do you still owe on that loan?"

Beginning in Wave 2H, the ownership questions cover 1st mortgage, 2nd mortgage and other loans. Up to 3 loans may be specified:

- a) "Do you have a mortgage, land contract, second mortgage or any other loan that uses the property as collateral? Please do not include any home equity lines of credit."

Beginning in Wave 9, a qualifying statement was added to this question, which says "Do not include reverse mortgages."

- b) [If 1st mortgage] "About how much do you still owe on that mortgage or land contract?"
- c) [If 2nd mortgage] "About how much do you still owe on that second mortgage?"

From Wave 2H forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

HRS 1992:

V10722	D25:MORTGAG/LNLCNTRC:IND
V10723	D26:1ST_MORT:\$STILOW:IND
V10729	D30:2ND_MORT/LNDCNTC:IND
V10730	D26:2ND_LOAN:\$OWED :IND
V722	D25:MORTGAGE/LND CON:IMP
V723	D26:1ST MORT:\$STILL :IMP
V729	D30:2ND MORT/LND CON:IMP
V730	D26:2ND LOAN:\$STILL :IMP

AHEAD 1993:

B1067 F10. MOBILE HOME & SITE: OWN/RENT
 B1087 F23. OWN OR RENT FARM/RANCH?
 B1088 F23a. OWN FARMHOUSE?
 B1091 F25. OWN OR RENT HOME/APT?
 B1121 F30. MORTGAGE ON HOME
 B1126 F34. AMOUNT STILL OWE ON MORTGAGE
 B1127 F35. SECOND MORTGAGE?
 B1131 F36. AMOUNT STILL OWE ON SECOND MORTGAGE

HRS 1994:

W10616 D7/1. Imputation indicat
 W10617 D7/2.. Imputation indica
 W10622 D7d. Imputation indicato
 W10626 D9c. Imputation indicato
 W616 D7.MORTGAGE OR LAND CONT
 W617 D7.MORTGAGE OR LAND CONT
 W622 D7d.STILL OWE ON MORTGAG
 W623 D7d1-D7d3. Brackets
 W626 D9c.STILL OWE ON SECOND
 W627 D9c1-D9c3. Brackets

AHEAD 1995:

D2251M1 F7.HOME MORTGAGE
 D2251M2 F7.HOME MORTGAGE
 D2256 F7D.\$ OWN ON MORTGAGE
 D2257B F7D.\$ OWN ON MORTGAGE/Bkt
 D2263 F9C.\$ OWN ON 2ND MORTGAGE
 D2264B F9C.\$ OWN ON 2ND MORTGAGE/Bkt

HRS 1996:

E2251M1 F7.HOME MORTGAGE
 E2251M2 F7.HOME MORTGAGE
 E2251M3 F7.HOME MORTGAGE
 E2256 F7D.\$ OWE ON MORTGAGE
 E2257B F7D.\$ OWE ON MORTGAGE/Bkt
 E2263 F9C.\$ OWE ON 2ND MORTGAGE
 E2264B F9C.\$ OWE ON 2ND MORTGAGE/Bkt

HRS 1998:

F2768M1 F7.HOME MORTGAGE
 F2768M2 F7.HOME MORTGAGE
 F2773 F7D.\$ OWE ON MORTGAGE
 F2774B F7D.\$ OWE ON MORTGAGE-Bkt
 F2780 F9C.\$ OWN ON 2ND MORTGAGE
 F2781B F9C.\$ OWN ON 2ND MORTGAGE-Bkt

HRS 2000:

G3086M1 F7.HOME MORTGAGE
 G3086M2 F7.HOME MORTGAGE
 G3091 F7D.\$ OWE ON MORTGAGE
 G3092 F7E. F7E DK-1
 G3093 F7F. F7E DK-2
 G3094 F7Y1F. F7E DK-3
 G3098 F9C.\$ OWE ON 2ND MORTGAGE
 G3099 F9D. F9C DK-1
 G3100 F9E. F9C DK-2
 G3101 F9F. F9C DK-3

HRS 2002:

TYPASST TYPE OF ASSETS

HRS 2002:

HU001 U001A_ASSET RECONCILIATION STEM QUESTION
 HU002M1 ASSET RECONCILIATION WHICH WRONG -1
 HU002M2 ASSET RECONCILIATION WHICH WRONG -2

HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xH024M1	LOAN-WITH PROPERTY AS COLLATERAL
xH024M2	LOAN-WITH PROPERTY AS COLLATERAL
xH024M3	LOAN-WITH PROPERTY AS COLLATERAL
xH032	HOW MUCH IS STILL OWED ON MORTGAGE
xH033	HOW MUCH IS STILL OWED ON MORTGAGE- MIN
xH034	HOW MUCH IS STILL OWED ON MORTGAGE- MAX
xH035	HOW MUCH STILL OWED ON MORTGAGE- RESULT
xH042	MONEY OWED ON 2ND PROPERTY LOAN
xH043	MONEY OWED ON 2ND PROPERTY LOAN- MIN
xH044	MONEY OWED ON 2ND PROPERTY LOAN- MAX
xH045	MONEY OWED ON 2ND PROPERTY LOAN- RESULT
HRS 2006-2016:	
xU001_13	ASSET RECONCILIATION-MORTGAGE1
xU001_14	ASSET RECONCILIATION-MORTGAGE2
xU002_13	ASSET RECON WHICH WRONG-MORTGAGE1
xU002_14	ASSET RECON WHICH WRONG-MORTGAGE2
xU003_13A	ASSET RECON HOW MUCH -A-MORTGAGE1

xU003_13B	ASSET RECON HOW MUCH-B-MORTGAGE1
xU003_14A	ASSET RECON HOW MUCH -A-MORTGAGE2
xU003_14B	ASSET RECON HOW MUCH-B-MORTGAGE2
xU004_13A	ASSET RECON -MIN-A-MORTGAGE1
xU004_13B	ASSET RECON-MIN-B-MORTGAGE1
xU004_14A	ASSET RECON -MIN-A-MORTGAGE2
xU004_14B	ASSET RECON -MIN-B-MORTGAGE2
xU005_13A	ASSET RECON -MAX-A -MORTGAGE1
xU005_13B	ASSET RECON-MAX-B -MORTGAGE1
xU005_14A	ASSET RECON -MAX-A -MORTGAGE2
xU005_14B	ASSET RECON -MAX-B -MORTGAGE2
xU006_13A	ASSET RECON - RESULT-A-MORTGAGE1
xU006_13B	ASSET RECON- RESULT-B-MORTGAGE1
xU006_14A	ASSET RECON - RESULT-A-MORTGAGE2
xU006_14B	ASSET RECON - RESULT-B-MORTGAGE2
xU022_13A	WHICH WAVE WRONG-A-MORTGAGE1
xU022_13B	WHICH WAVE WRONG-B-MORTGAGE1
xU022_14A	WHICH WAVE WRONG-A-MORTGAGE2
xU022_14B	WHICH WAVE WRONG-B-MORTGAGE2

Value of other home loans (primary residence)
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Wave	Variable	Label	Type
1	H1AHMLN	H1AHMLN:W1 Assets:Total Othr Home Loans--Cross-wave	Cont
2	H2AHMLN	H2AHMLN:W2 Assets:Total Othr Home Loans--Cross-wave	Cont
3	H3AHMLN	H3AHMLN:W3 Assets:Total Othr Home Loans--Cross-wave	Cont
4	H4AHMLN	H4AHMLN:W4 Assets:Total Othr Home Loans--Cross-wave	Cont
5	H5AHMLN	H5AHMLN:W5 Assets:Total Othr Home Loans--Cross-wave	Cont
6	H6AHMLN	H6AHMLN:W6 Assets:Total Othr Home Loans--Cross-wave	Cont
7	H7AHMLN	H7AHMLN:W7 Assets:Total Othr Home Loans--Cross-wave	Cont
8	H8AHMLN	H8AHMLN:W8 Assets:Total Othr Home Loans--Cross-wave	Cont
9	H9AHMLN	H9AHMLN:W9 Assets:Total Othr Home Loans--Cross-wave	Cont
10	H10AHMLN	H10AHMLN:W10 Assets:Total Othr Home Loans--Cross-wave	Cont
11	H11AHMLN	H11AHMLN:W11 Assets:Total Othr Home Loans--Cross-wave	Cont
12	H12AHMLN	H12AHMLN:W12 Assets:Total Othr Home Loans--Cross-wave	Cont
13	H13AHMLN	H13AHMLN:W13 Assets:Total Othr Home Loans--Cross-wave	Cont
1	H1AFHMLN	H1AFHMLN:W1 Asst Flag: Total Oth Hm Loans	Categ
2	H2AFHMLN	H2AFHMLN:W2 Asst Flag: Total Oth Hm Loans	Categ
3	H3AFHMLN	H3AFHMLN:W3 Asst Flag: Total Oth Hm Loans	Categ
4	H4AFHMLN	H4AFHMLN:W4 Asst Flag: Total Oth Hm Loans	Categ
5	H5AFHMLN	H5AFHMLN:W5 Asst Flag: Total Oth Hm Loans	Categ
6	H6AFHMLN	H6AFHMLN:W6 Asst Flag: Total Oth Hm Loans	Categ
7	H7AFHMLN	H7AFHMLN:W7 Asst Flag: Total Oth Hm Loans	Categ
8	H8AFHMLN	H8AFHMLN:W8 Asst Flag: Total Oth Hm Loans	Categ
9	H9AFHMLN	H9AFHMLN:W9 Asst Flag: Total Oth Hm Loans	Categ
10	H10AFHMLN	H10AFHMLN:W10 Asst Flag: Total Oth Hm Loans	Categ
11	H11AFHMLN	H11AFHMLN:W11 Asst Flag: Total Oth Hm Loans	Categ
12	H12AFHMLN	H12AFHMLN:W12 Asst Flag: Total Oth Hm Loans	Categ
13	H13AFHMLN	H13AFHMLN:W13 Asst Flag: Total Oth Hm Loans	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHMLN	12652	3338.40	47961.65	0.0	3500000.0
H2AHMLN	19642	1287.32	8502.29	0.0	300000.0
H3AHMLN	17991	1522.43	8806.43	0.0	250000.0
H4AHMLN	21384	1729.75	10724.65	0.0	500000.0
H5AHMLN	19578	1787.56	10596.24	0.0	385000.0
H6AHMLN	18165	2083.02	11850.75	0.0	500000.0
H7AHMLN	20129	3443.10	18884.90	0.0	700000.0
H8AHMLN	18469	4206.58	34574.84	0.0	2500000.0
H9AHMLN	17217	3780.50	21514.78	0.0	1000000.0
H10AHMLN	22034	4293.41	29449.04	0.0	2000000.0
H11AHMLN	20554	3842.56	22218.27	0.0	750000.0
H12AHMLN	18747	3332.07	18315.28	0.0	400000.0
H13AHMLN	20912	2861.65	17581.89	0.0	430000.0
H1AFHMLN	12652	0.23	0.89	0.0	9.0
H2AFHMLN	11634	0.25	1.01	0.0	9.0
H3AFHMLN	17991	0.16	0.79	0.0	9.0
H4AFHMLN	21384	0.18	0.87	0.0	9.0
H5AFHMLN	19578	0.16	0.79	0.0	9.0
H6AFHMLN	18165	0.15	0.60	0.0	9.0
H7AFHMLN	20129	0.17	0.65	0.0	9.0
H8AFHMLN	18469	0.16	0.61	0.0	9.0
H9AFHMLN	17217	0.17	0.68	0.0	9.0
H10AFHMLN	22034	0.26	1.10	0.0	9.0

H11AFHMLN	20554	0.20	0.84	0.0	9.0
H12AFHMLN	18747	0.20	0.92	0.0	9.0
H13AFHMLN	20912	0.23	1.11	0.0	9.0

Categorical Variable Codes

HwAFHMLN: Asst Flag: Total Oth Hm Loans											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		8008								
0.No asset	|	10942	10088	16401	19375	17768	16285	17716	16278	15170	19204
1.No imputations	|	1187	1037	1186	1460	1251	1240	1779	1678	1530	1888
2.Some imputation	|	428	385	289	379	437	600	573	465	454	647
9.No Fin Resp	|	95	124	115	170	122	40	61	48	63	295

Value		w11	w12	w13
.Q=Not asked this wv	|			
0.No asset	|	18226	16751	18859
1.No imputations	|	1614	1322	1235
2.Some imputation	|	573	509	527
9.No Fin Resp	|	141	165	291

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed value of other home loans is assigned to HwAHMLN. HwAFHMLN is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

HwAHMLN is the sum of home equity line of credit balances and home equity loans (HwAEQCD, HwAEQLN), which are each imputed separately. These variables, along with the associated imputation (HwAFEQCD, HwAFEQLN) and ownership (HwAOEQCD, HwAOEQLN) variables, are available in the RAND HRS Detailed Imputations File.

Cross Wave Differences in Original HRS Data

The values of home loans other than first and second mortgages are asked at each wave. Questions reveal whether the Respondent has any other home loans and if so, the value of them.

In Wave 1, questions ask about home equity loans and lines of credit, separately:

1a) "Do you have any (other) loans that use this property as collateral? (Please do not include any home equity lines of credit.)"

1b) "How much is still owed on this loan?"

2a) "Do you currently have a loan against this line of credit?"

2b) "How much is currently owed?"

In Wave 2A, one question is asked about other loans:

1a) "Do you have any (other) loans that use this property as collateral?"

1b) "About how much is still owed on this loan?"

Beginning in Wave 2H, the ownership questions cover 1st mortgage, 2nd mortgage and other loans. Up to 3 loans may be specified:

1a) "Do you have a mortgage, land contract, second mortgage or any other loan that uses the property as collateral? Please do not include any home equity lines of credit."

1b) "About how much do you still owe on that loan?"

As in Wave 1, the Respondent is asked about a home equity line of credit separately:

2a) "Do you currently have a loan against this line of credit?"

2b) "About how much is currently owed?"

From Wave 3 forward, if the Respondent refuses or does not know the value of the home equity loans, a series of unfolding bracket questions are asked. The bracket ranges and entry points are the same across waves. From Wave 6 forward, unfolding bracket questions are asked for the value of a home equity line of credit. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

HRS 1992:

V10735	D31:ANY_OTHER_LOANS :IND
V10736	D26:HM_EQTY_LOAN_\$OW:IND
V10743	D32B:LOAN_AGNST_CRDI:IND
V10744	D32C:\$_CURRENTLY_OWE:IND
V735	D31:ANY OTHER LOANS :IMP
V736	D26:HM EQ LN-\$ STILL:IMP
V743	D32B:LOAN AGNST CRDI:IMP
V744	D32C:\$ CURRENTLY OWE:IMP

AHEAD 1993:

B1067	F10. MOBILE HOME & SITE: OWN/RENT
B1087	F23. OWN OR RENT FARM/RANCH?
B1088	F23a. OWN FARMHOUSE?
B1091	F25. OWN OR RENT HOME/APT?
B1132	F37. OTH LOANS W/ PROPERTY AS COLLATERAL
B1135	F37c. AMOUNT STILL OWE OTHER LOAN

HRS 1994:

W10631	D10c. Imputation indicat
W10634	D11b. Imputation indicat

W10635	D11c. Imputation indicat
W616	D7.MORTGAGE OR LAND CONT
W617	D7.MORTGAGE OR LAND CONT
W618	D7.MORTGAGE OR LAND CONT
W631	D10c.STILL OWE ON LOAN
W634	D11b.LOAN AGAINST LINE O
W635	D11c.AMOUNT CURRENTLY OW
AHEAD 1995:	
D2251M1	F7.HOME MORTGAGE
D2251M2	F7.HOME MORTGAGE
D2270	F10E.\$ OWN ON LOAN
D2271B	F10E.\$ OWN ON LOAN/Bkt
D2276	F11B.EQUITY LOAN NOW
D2277	F11C.\$ OWED EQUITY LOAD
HRS 1996:	
E2251M1	F7.HOME MORTGAGE
E2251M2	F7.HOME MORTGAGE
E2251M3	F7.HOME MORTGAGE
E2270	F10E.\$ OWE ON LOAN
E2271B	F10E.\$ OWE ON LOAN/Bkt
E2276	F11B.EQUITY LOAN NOW
E2277	F11C.\$ OWED EQUITY LOAD
HRS 1998:	
F2768M1	F7.HOME MORTGAGE
F2768M2	F7.HOME MORTGAGE
F2787	F10E.\$ OWN ON LOAN
F2788B	F10E.\$ OWN ON LOAN-Bkt
F2793	F11B.EQUITY LOAN NOW
F2794	F11C.\$ OWED EQUITY LOAD
HRS 2000:	
G3086M1	F7.HOME MORTGAGE
G3086M2	F7.HOME MORTGAGE
G3105	F10E.\$ OWE ON LOAN
G3106	F10B.F10A DK-1
G3107	F10C. F10A DK-2
G3108	F10D. F10A DK-3
G3111	F11B.EQUITY LOAN NOW
G3112	F11C.\$ OWED EQUITY LOAD
HRS 2002:	
TYPASST	TYPE OF ASSETS
HRS 2002:	
HU001	U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1	ASSET RECONCILIATION WHICH WRONG -1
HU002M2	ASSET RECONCILIATION WHICH WRONG -2
HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1

JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3
HRS 2002-2016:	
xH024M1	LOAN-WITH PROPERTY AS COLLATERAL
xH024M2	LOAN-WITH PROPERTY AS COLLATERAL
xH024M3	LOAN-WITH PROPERTY AS COLLATERAL
xH052	MONEY OWE ON OTHER LOAN
xH053	MONEY OWE ON OTHER LOAN- MIN
xH054	MONEY OWE ON OTHER LOAN- MAX
xH055	MONEY OWE ON OTHER LOAN- RESULT
xH061	EQUITY LOAN NOW
xH062	MONEY OWED EQUITY LOAN
xH063	MONEY OWED EQUITY LOAN- MIN
xH064	MONEY OWED EQUITY LOAN- MAX
xH065	MONEY OWED EQUITY LOAN- RESULT
HRS 2006-2016:	
xU001_15	ASSET RECONCILIATION-EQUITY LOAN
xU002_15	ASSET RECON WHICH WRONG-EQUITY LOAN
xU003_15A	ASSET RECON HOW MUCH -A-EQUITY LOAN
xU003_15B	ASSET RECON HOW MUCH -B-EQUITY LOAN
xU004_15A	ASSET RECON -MIN-A-EQUITY LOAN
xU004_15B	ASSET RECON -MIN-B-EQUITY LOAN
xU005_15A	ASSET RECON -MAX-A -EQUITY LOAN
xU005_15B	ASSET RECON -MAX-B -EQUITY LOAN
xU006_15A	ASSET RECON - RESULT-A-EQUITY LOAN
xU006_15B	ASSET RECON - RESULT-B-EQUITY LOAN
xU022_15A	WHICH WAVE WRONG-A-EQUITY LOAN
xU022_15B	WHICH WAVE WRONG-B-EQUITY LOAN

Net value of primary residence

Wave	Variable	Label	Type
1	H1ATOTH	H1ATOTH:W1 Net Value of House /prim res--Cross-wave	Cont
2	H2ATOTH	H2ATOTH:W2 Net Value of House /prim res--Cross-wave	Cont
3	H3ATOTH	H3ATOTH:W3 Net Value of House /prim res--Cross-wave	Cont
4	H4ATOTH	H4ATOTH:W4 Net Value of House /prim res--Cross-wave	Cont
5	H5ATOTH	H5ATOTH:W5 Net Value of House /prim res--Cross-wave	Cont
6	H6ATOTH	H6ATOTH:W6 Net Value of House /prim res--Cross-wave	Cont
7	H7ATOTH	H7ATOTH:W7 Net Value of House /prim res--Cross-wave	Cont
8	H8ATOTH	H8ATOTH:W8 Net Value of House /prim res--Cross-wave	Cont
9	H9ATOTH	H9ATOTH:W9 Net Value of House /prim res--Cross-wave	Cont
10	H10ATOTH	H10ATOTH:W10 Net Value of House /prim res--Cross-wave	Cont
11	H11ATOTH	H11ATOTH:W11 Net Value of House /prim res--Cross-wave	Cont
12	H12ATOTH	H12ATOTH:W12 Net Value of House /prim res--Cross-wave	Cont
13	H13ATOTH	H13ATOTH:W13 Net Value of House /prim res--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTH	12652	61637.47	91840.52	-3350000.0	1000000.0
H2ATOTH	19642	68350.02	125454.22	-5040000.0	5000000.0
H3ATOTH	17991	72843.93	104473.91	-550000.0	5000000.0
H4ATOTH	21384	81237.55	242774.72	-740000.0	19900000.0
H5ATOTH	19578	92074.74	239047.90	-670000.0	14000000.0
H6ATOTH	18165	106181.14	164509.83	-500000.0	9966000.0
H7ATOTH	20129	128114.17	320868.65	-939000.0	24000000.0
H8ATOTH	18469	156983.92	238915.43	-1000000.0	5500000.0
H9ATOTH	17217	158898.14	421272.24	-850000.0	24400000.0
H10ATOTH	22034	117719.29	224347.23	-2750000.0	10000000.0
H11ATOTH	20554	113351.71	205129.54	-495000.0	9411437.0
H12ATOTH	18747	124270.39	217920.09	-3860000.0	6810738.5
H13ATOTH	20912	130152.51	230645.13	-1357224.5	5885000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The net value of housing is calculated as the value of the primary residence less mortgages and other home loans:

HwAHOUS - Sum (HwAMORT, HwAHMLN)

Value of secondary residence

Wave	Variable	Label	Type
1	H1AHOUB	H1AHOUB:W1 Assets:2nd Home--Cross-wave	Cont
2	H2AHOUB	H2AHOUB:W2 Assets:2nd Home--Cross-wave	Cont
4	H4AHOUB	H4AHOUB:W4 Assets:2nd Home--Cross-wave	Cont
5	H5AHOUB	H5AHOUB:W5 Assets:2nd Home--Cross-wave	Cont
6	H6AHOUB	H6AHOUB:W6 Assets:2nd Home--Cross-wave	Cont
7	H7AHOUB	H7AHOUB:W7 Assets:2nd Home--Cross-wave	Cont
8	H8AHOUB	H8AHOUB:W8 Assets:2nd Home--Cross-wave	Cont
9	H9AHOUB	H9AHOUB:W9 Assets:2nd Home--Cross-wave	Cont
10	H10AHOUB	H10AHOUB:W10 Assets:2nd Home--Cross-wave	Cont
11	H11AHOUB	H11AHOUB:W11 Assets:2nd Home--Cross-wave	Cont
12	H12AHOUB	H12AHOUB:W12 Assets:2nd Home--Cross-wave	Cont
13	H13AHOUB	H13AHOUB:W13 Assets:2nd Home--Cross-wave	Cont
1	H1AFHOUB	H1AFHOUB:W1 Assets Flag:2nd Home--Cross-wave	Categ
2	H2AFHOUB	H2AFHOUB:W2 Assets Flag:2nd Home--Cross-wave	Categ
4	H4AFHOUB	H4AFHOUB:W4 Assets Flag:2nd Home--Cross-wave	Categ
5	H5AFHOUB	H5AFHOUB:W5 Assets Flag:2nd Home--Cross-wave	Categ
6	H6AFHOUB	H6AFHOUB:W6 Assets Flag:2nd Home--Cross-wave	Categ
7	H7AFHOUB	H7AFHOUB:W7 Assets Flag:2nd Home--Cross-wave	Categ
8	H8AFHOUB	H8AFHOUB:W8 Assets Flag:2nd Home--Cross-wave	Categ
9	H9AFHOUB	H9AFHOUB:W9 Assets Flag:2nd Home--Cross-wave	Categ
10	H10AFHOUB	H10AFHOUB:W10 Assets Flag:2nd Home--Cross-wave	Categ
11	H11AFHOUB	H11AFHOUB:W11 Assets Flag:2nd Home--Cross-wave	Categ
12	H12AFHOUB	H12AFHOUB:W12 Assets Flag:2nd Home--Cross-wave	Categ
13	H13AFHOUB	H13AFHOUB:W13 Assets Flag:2nd Home--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AHOUB	12652	13827.52	86207.58	0.0	5000000.0
H2AHOUB	11420	10883.51	49802.55	0.0	2000000.0
H4AHOUB	21384	12011.30	58236.55	0.0	2000000.0
H5AHOUB	19578	13685.65	64856.04	0.0	1900000.0
H6AHOUB	18165	17386.41	89720.59	0.0	3000000.0
H7AHOUB	20129	21759.32	148294.46	0.0	10000000.0
H8AHOUB	18469	26257.49	137449.99	0.0	6000000.0
H9AHOUB	17217	27279.38	133273.98	0.0	3000000.0
H10AHOUB	22034	23170.98	129602.77	0.0	5525000.0
H11AHOUB	20554	23108.22	111431.71	0.0	3500000.0
H12AHOUB	18747	28508.05	497978.02	0.0	65000000.0
H13AHOUB	20912	22854.55	117027.70	0.0	6000000.0
H1AFHOUB	12652	5.36	1.72	1.0	9.0
H2AFHOUB	11420	5.40	1.69	1.0	9.0
H4AFHOUB	21384	5.46	1.60	1.0	9.0
H5AFHOUB	19578	5.47	1.57	1.0	9.0
H6AFHOUB	18165	5.45	1.58	1.0	9.0
H7AFHOUB	20129	5.39	1.64	1.0	9.0
H8AFHOUB	18469	5.36	1.65	1.0	9.0
H9AFHOUB	17217	5.33	1.70	1.0	9.0
H10AFHOUB	22034	5.38	1.71	1.0	9.0
H11AFHOUB	20554	5.35	1.70	1.0	9.0
H12AFHOUB	18747	5.35	1.72	1.0	9.0
H13AFHOUB	20912	5.43	1.67	1.0	9.0

Categorical Variable Codes

HwAFHOUB: Assets Flag:2nd Home--Cross-wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		8222								
1.Continuous value	|	1656	1344		2213	1956	1870	2189	2076	2083	2561
2.Complete bracket	|		118		222	227	194	349	318	281	349
3.Incomplete bracket	|		22		6	38	12	24	33	36	55
4.Range card bracket	|	26									
5.No value/bracket	|	114	25		48	67	87	181	166	136	185
6.No asset	|	10734	9769		18667	17093	15740	17215	15787	14552	18496
7.DK ownership	|	27	18		58	75	223	110	41	66	93
9.No Fin resp	|	95	124		170	122	39	61	48	63	295

Value		w11	w12	w13
.Q=Not asked this wv	|			
1.Continuous value	|	2418	2259	2263
2.Complete bracket	|	356	291	303
3.Incomplete bracket	|	45	34	51
4.Range card bracket	|			
5.No value/bracket	|	168	149	137
6.No asset	|	17346	15783	17792
7.DK ownership	|	80	66	75
9.No Fin resp	|	141	165	291

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed value of the Respondent's secondary residence is assigned to HwAHOUB. The HwAFHOUB variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

From Wave 4 forward to determine ownership of a secondary residence, we look at responses to questions about whether the person is in a nursing home and if so, whether s/he owns a home outside of the nursing home. In some cases, there is a discrepancy between what is reported on these questions and what was listed on the Tracker file, that is - some individuals said they were in a nursing home (and did not own a home outside of the nursing home), but the Tracker file said they were not in a nursing home. We considered the information from Tracker to be the most accurate.

Due to problems with the way information about second residences was collected in Waves 2A and 3, we do not provide these variables for these waves.

Users should note the following outlier:

1. HHIDPN: 529220010 reported having a second home (OH166) worth \$65,000,000 in Wave 12. S/he also reported having a loan on this second home (OH171) of \$3,200,000. Therefore, the net value of her/his second home is \$61,800,000.

Cross Wave Differences in Original HRS Data

The value of the secondary residence is asked at each wave, though in some waves it is problematic. Questions reveal whether the Respondent owns her/his secondary residence and if so, the value of it.

In Wave 1, the questions about second home ask:

1a). "Do you (or your husband/or your wife/or your partner/...) own a second home or condo?" [NOTE: Time-share weeks should be included.]

1b). "Could you tell me the present value of (your part of) that property – I mean, about how much would it bring if it were sold today?"

In Wave 2A, ownership of a secondary residence is asked about within the context of real estate investments, which presents problems not only for determining ownership, but consequently the value of a second residence.

In Wave 3, there was a skip pattern error, such that certain households with second homes were not asked the subsequent questions pertaining to these types of residences. Specifically, anyone who reported not living in her/his second home for at least two months during the year would not have been asked further questions about her/his second residence.

In Wave 2H and from Wave 4 forward, the questions are consistent and the wordings are also the same:

1a). "Not including investment property, do you (or your husband/or your wife/or your partner/...) own a second home or condo?"

1b). "What is its present value? (What is the present value of your part of it?) I mean, about what would it bring if it were sold today?"

From Wave 2H forward, if the Respondent refuses or doesn't know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

HRS 1992:	
V10816	D39:91-R1-OWN2NDHOME:IND
V10824	D44:CURR_PROP_PRT_VA:IND
V816	D39:OWN 2ND HOME/CON:IMP
V824	D44:CURR VALUE:\$:IMP
HRS 1994:	
W10710	D81. Imputation indicato
W10718	D87. Imputation indicato
W710	D81.OWN SECOND HOME/COND
W717	D86.PURCHASE PRICE OF SE
W719	D87a-D87d. Brackets
HRS 1998:	
F2914	F40.OWN 2ND HOME
F2950	F46F.\$ VALUE 2ND HOME
F2951	F46G.F46F DK.1-2
F2952	F46H.F46F DK.2-2
F2953	F46J.F46F DK.3-2

F2954	F46K.F46F DK.4-2
F517	CS11.R IN NURSING HOME
F721	CS26.NURHM: STILL OWN/RENT HOME
HRS 2000:	
G3232	F40.OWN 2ND HOME
G3268	F46F.\$ VALUE 2ND HOME
G3269	F46G.F46F DK 1-2
G3270	F46H.F46F DK 2-2
G3271	F46J.F46F DK 3-2
G3272	F46K.F46F DK 4-2
G558	CS11.R IN NURSING HOME
G794	CS26.NURHM: STILL OWN/RENT HOME
HRS 2002:	
TYPASST	TYPE OF ASSETS
HRS 2002:	
HU001	U001A_ASSET RECONCILIATION STEM QUESTION
HU002M1	ASSET RECONCILIATION WHICH WRONG -1
HU002M2	ASSET RECONCILIATION WHICH WRONG -2
HU003	ASSET RECONCILIATION HOW MUCH
HU004	ASSET RECONCILIATION - MIN
HU005	ASSET RECONCILIATION - MAX
HU006	ASSET RECONCILIATION - RESULT
HRS 2004:	
JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3

HRS 2002-2016:
xA028 R IN NURSING HOME
xA070 NH: STILL OWN/RENT HOME
xH151 OWN SECOND HOME
xH166 DOLLAR VALUE SECOND HOME
xH167 DOLLAR VALUE SECOND HOME - MINIMUM
xH168 DOLLAR VALUE SECOND HOME - MAXIMUM
xH169 DOLLAR VALUE SECOND HOME - RESULT

HRS 2006-2016:
xU001_17 ASSET RECONCILIATION-HOME2
xU002_17 ASSET RECON WHICH WRONG-HOME2
xU003_17A ASSET RECON HOW MUCH -A-HOME2
xU003_17B ASSET RECON HOW MUCH-B-HOME2
xU004_17A ASSET RECON -MIN-A-HOME2
xU004_17B ASSET RECON -MIN-B-HOME2
xU005_17A ASSET RECON -MAX-A -HOME2
xU005_17B ASSET RECON -MAX-B -HOME2
xU006_17A ASSET RECON - RESULT-A-HOME2
xU006_17B ASSET RECON - RESULT-B-HOME2
xU022_17A WHICH WAVE WRONG-A-HOME2
xU022_17B WHICH WAVE WRONG-B-HOME2

Tracker:
xNURSHM 2000-2016 NURSING HOME STATUS

Value of all mortgages/land contracts (secondary residence)
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Wave	Variable	Label	Type
1	H1AMRTB	H1AMRTB:W1 Assets:2nd Home Mtg--Cross-wave	Cont
2	H2AMRTB	H2AMRTB:W2 Assets:2nd Home Mtg--Cross-wave	Cont
4	H4AMRTB	H4AMRTB:W4 Assets:2nd Home Mtg--Cross-wave	Cont
5	H5AMRTB	H5AMRTB:W5 Assets:2nd Home Mtg--Cross-wave	Cont
6	H6AMRTB	H6AMRTB:W6 Assets:2nd Home Mtg--Cross-wave	Cont
7	H7AMRTB	H7AMRTB:W7 Assets:2nd Home Mtg--Cross-wave	Cont
8	H8AMRTB	H8AMRTB:W8 Assets:2nd Home Mtg--Cross-wave	Cont
9	H9AMRTB	H9AMRTB:W9 Assets:2nd Home Mtg--Cross-wave	Cont
10	H10AMRTB	H10AMRTB:W10 Assets:2nd Home Mtg--Cross-wave	Cont
11	H11AMRTB	H11AMRTB:W11 Assets:2nd Home Mtg--Cross-wave	Cont
12	H12AMRTB	H12AMRTB:W12 Assets:2nd Home Mtg--Cross-wave	Cont
13	H13AMRTB	H13AMRTB:W13 Assets:2nd Home Mtg--Cross-wave	Cont
1	H1AFMRTB	H1AFMRTB:W1 Assets Flag:2nd Home Mtg--Cross-wave	Categ
2	H2AFMRTB	H2AFMRTB:W2 Assets Flag:2nd Home Mtg--Cross-wave	Categ
4	H4AFMRTB	H4AFMRTB:W4 Assets Flag:2nd Home Mtg--Cross-wave	Categ
5	H5AFMRTB	H5AFMRTB:W5 Assets Flag:2nd Home Mtg--Cross-wave	Categ
6	H6AFMRTB	H6AFMRTB:W6 Assets Flag:2nd Home Mtg--Cross-wave	Categ
7	H7AFMRTB	H7AFMRTB:W7 Assets Flag:2nd Home Mtg--Cross-wave	Categ
8	H8AFMRTB	H8AFMRTB:W8 Assets Flag:2nd Home Mtg--Cross-wave	Categ
9	H9AFMRTB	H9AFMRTB:W9 Assets Flag:2nd Home Mtg--Cross-wave	Categ
10	H10AFMRTB	H10AFMRTB:W10 Assets Flag:2nd Home Mtg--Cross-wave	Categ
11	H11AFMRTB	H11AFMRTB:W11 Assets Flag:2nd Home Mtg--Cross-wave	Categ
12	H12AFMRTB	H12AFMRTB:W12 Assets Flag:2nd Home Mtg--Cross-wave	Categ
13	H13AFMRTB	H13AFMRTB:W13 Assets Flag:2nd Home Mtg--Cross-wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1AMRTB	12652	2380.60	14074.64	0.0	325000.0
H2AMRTB	11420	2133.04	14149.40	0.0	460000.0
H4AMRTB	21384	1750.10	20030.47	0.0	1402495.8
H5AMRTB	19578	1675.85	18362.89	0.0	1100000.0
H6AMRTB	18165	1626.76	15469.73	0.0	510000.0
H7AMRTB	20129	2295.67	23912.15	0.0	700000.0
H8AMRTB	18469	2442.17	22493.80	0.0	815000.0
H9AMRTB	17217	2990.75	26070.80	0.0	630000.0
H10AMRTB	22034	3220.49	28304.02	0.0	1000000.0
H11AMRTB	20554	3082.92	24721.77	0.0	630000.0
H12AMRTB	18747	3448.91	35047.97	0.0	3200000.0
H13AMRTB	20912	2960.36	24343.83	0.0	600000.0
H1AFMRTB	12652	5.74	1.19	1.0	9.0
H2AFMRTB	11420	5.81	1.08	1.0	9.0
H4AFMRTB	21384	5.89	0.85	1.0	9.0
H5AFMRTB	19578	5.90	0.82	1.0	9.0
H6AFMRTB	18165	5.91	0.75	1.0	9.0
H7AFMRTB	20129	5.91	0.75	1.0	9.0
H8AFMRTB	18469	5.90	0.76	1.0	9.0
H9AFMRTB	17217	5.90	0.79	1.0	9.0
H10AFMRTB	22034	5.92	0.86	1.0	9.0
H11AFMRTB	20554	5.90	0.84	1.0	9.0
H12AFMRTB	18747	5.90	0.85	1.0	9.0
H13AFMRTB	20912	5.93	0.85	1.0	9.0

Categorical Variable Codes

HwAFMRTB: Assets Flag:2nd Home Mtg--Cross-wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		8222								
1.Continuous value	|	718	473		541	464	368	403	395	391	530
2.Complete bracket	|		44		24	28	41	40	34	25	28
3.Incomplete bracket	|		6		2	3	2	2	5	2	7
4.Range card bracket	|	14									
5.No value/bracket	|	51	9		16	23	19	26	12	16	10
6.No asset	|	11736	10734		20566	18851	17449	19456	17899	16606	21018
7.DK ownership	|	38	30		65	87	246	141	76	114	146
9.No Fin resp	|	95	124		170	122	40	61	48	63	295
Value		w11	w12	w13							
.Q=Not asked this wv	|										
1.Continuous value	|	517	472	484							
2.Complete bracket	|	17	20	20							
3.Incomplete bracket	|	7		1							
4.Range card bracket	|										
5.No value/bracket	|	16	8	12							
6.No asset	|	19725	17973	19979							
7.DK ownership	|	131	109	125							
9.No Fin resp	|	141	165	291							

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The reported or imputed value of a second home mortgage is assigned to HwAMRTB. The HwAFMRTB variable indicates if the value is imputed and if so, what level of information is available during the imputation process. A "1.continuous value" indicates that the Respondent reports an actual value and no imputation is necessary.

Due to problems with the way information about second residences was collected in Waves 2A and 3, we do not provide these variables for these waves.

Users should note the following outlier:

1. HHIDPN: 529220010 reported having a second home (OH166) worth \$65,000,000 in Wave 12. S/he also reported having a loan on this second home (OH171) of \$3,200,000. Therefore, the net value of her/his second home is \$61,800,000.

Cross Wave Differences in Original HRS Data

The value of a second home mortgage is asked at each wave, with the exception of Wave 2A. The manner in which the questions are asked varies across waves.

In Waves 1 and 2H, the questions about second home mortgage ask:

- a). "Do you owe any money on this property?"
- b). "About how much do you owe?"

In Wave 2A, ownership of a secondary residence is asked about within the context of real estate investments, which presents problems not only for determining ownership, but consequently the values of any mortgages.

In Wave 3, there was a skip pattern error, such that certain households with second homes were not asked the subsequent questions pertaining to these types of residences. Specifically, anyone who reported not living in her/his second home for at least two months during the year would not have been asked further questions about her/his second residence.

Beginning in Wave 4, the questions are consistent. They are also similar to those in Wave 3 with the only difference being that all branch to one value question:

- a). "(Taking all mortgages and loans together,) about how much do you owe on your second home?"

From Wave 2H forward, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. The bracket entry points vary across waves. In Wave 1, no unfolding bracket questions are asked, though range cards could be used to obtain the value.

HRS Variables Used

HRS 1992:	
V10825	D45:OWE MONEY ON PRO:IND
V10826	D45A:AMT_OWE_ON_PROP:IND
V825	D45:OWE MONEY ON PRO:IMP
V826	D45A:AMT \$ OWE ON PR:IMP
HRS 1994:	
W10720	D88. Imputation indicato
W10721	D88a. Imputation indicat
W720	D88.OWE MONEY ON SECOND
W721	D88a.AMOUNT OWED ON SECO
W722	D88a1-D88a3. Brackets
HRS 1998:	
F2955M1	F47.HOME MORTGAGE-2ND
F2955M2	F47.HOME MORTGAGE-2ND
F2957	F47A.TOTAL \$ OWED ALL MORTGAGES/LOANS-2N
F2963	F47E.F47D DK.1-2ND
F2964	F47F. F47D DK.2-2ND
F2965	F47G. F47D DK.2-2ND
HRS 2000:	
G3273M1	F47.HOME MORTGAGE-2ND
G3273M2	F47.HOME MORTGAGE-2ND
G3275	F47A.TOTAL OWE MRTGG/LOAN-2ND HOME
G3281	F47E.F47D DK 1-2ND
G3282	F47F.F47D DK 2-2ND
G3283	F47G.F47D DK 2-2ND
HRS 2002:	
TYPASST	TYPE OF ASSETS

HRS 2002:
 HU001 U001A_ASSET RECONCILIATION STEM QUESTION
 HU002M1 ASSET RECONCILIATION WHICH WRONG -1
 HU002M2 ASSET RECONCILIATION WHICH WRONG -2
 HU003 ASSET RECONCILIATION HOW MUCH
 HU004 ASSET RECONCILIATION - MIN
 HU005 ASSET RECONCILIATION - MAX
 HU006 ASSET RECONCILIATION - RESULT
 HRS 2004:
 JU001_1 ASSET RECONCILIATION STEM QUESTION - 1
 JU001_2 ASSET RECONCILIATION STEM QUESTION -2
 JU001_3 ASSET RECONCILIATION STEM QUESTION -3
 JU002_1 ASSET RECONCILIATION WHICH WRONG -1
 JU002_2 ASSET RECONCILIATION WHICH WRONG -2
 JU002_3 ASSET RECONCILIATION WHICH WRONG - 3
 JU003A_1 PREV WAVE ASSET RECONCILIATION HOW MUCH -1
 JU003A_2 PREV WAVE ASSET RECONCILIATION HOW MUCH -2
 JU003A_3 PREV WAVE ASSET RECONCILIATION HOW MUCH -3
 JU003B_1 CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
 JU003B_2 CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
 JU003B_3 CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
 JU004A_1 PREV WAVE ASSET RECONCILIATION - MIN -1
 JU004A_2 PREV WAVE ASSET RECONCILIATION - MIN -2
 JU004A_3 PREV WAVE ASSET RECONCILIATION - MIN -3
 JU004B_1 CURRENT WAVE ASSET RECONCILIATION - MIN -1
 JU004B_2 CURRENT WAVE ASSET RECONCILIATION - MIN -2
 JU004B_3 CURRENT WAVE ASSET RECONCILIATION - MIN -3
 JU005A_1 PREV WAVE ASSET RECONCILIATION - MAX -1
 JU005A_2 PREV WAVE ASSET RECONCILIATION - MAX -2
 JU005A_3 PREV WAVE ASSET RECONCILIATION - MAX -3
 JU005B_1 CURRENT WAVE ASSET RECONCILIATION - MAX -1
 JU005B_2 CURRENT WAVE ASSET RECONCILIATION - MAX -2
 JU005B_3 CURRENT WAVE ASSET RECONCILIATION - MAX -3
 JU006A_1 PREV WAVE ASSET RECONCILIATION - RESULT -1
 JU006A_2 PREV WAVE ASSET RECONCILIATION - RESULT -2
 JU006A_3 PREV WAVE ASSET RECONCILIATION - RESULT -3
 JU006B_1 CURRENT WAVE ASSET RECONCILIATION - RESULT -1
 JU006B_2 CURRENT WAVE ASSET RECONCILIATION - RESULT -2
 JU006B_3 CURRENT WAVE ASSET RECONCILIATION - RESULT -3
 JU009_1 TYPE OF ASSETS - 1
 JU009_2 TYPE OF ASSETS -2
 JU009_3 TYPE OF ASSETS -3
 JU022A_1 PREV WAVE VALUE YEAR-1
 JU022A_2 PREV WAVE VALUE YEAR-2
 JU022A_3 PREV WAVE VALUE YEAR-3
 HRS 2002-2016:
 xH170M1 HOME MORTGAGE - SECOND
 xH170M2 HOME MORTGAGE - SECOND
 xH170M3 HOME MORTGAGE - SECOND
 xH171 TOTAL OWE MORTGAGE/LOAN - SECOND HOME
 xH172 TOT OWE MORTGAGE/LOAN - 2ND HOME- MIN
 xH173 TOT OWE MORTGAGE/LOAN - 2ND HOME- MAX
 xH174 TOT OWE MORTGAGE/LOAN - 2ND HOME- RESULT
 HRS 2006-2016:
 xU001_18 ASSET RECON-HOME2 MORT
 xU002_18 ASSET RECON WHICH WRONG-HOME2 MORT
 xU003_18A ASSET RECON HOW MUCH -A-HOME2 MORT
 xU003_18B ASSET RECON HOW MUCH-B-HOME2 MORT
 xU004_18A ASSET RECON -MIN-A-HOME2 MORT

xU004_18B	ASSET RECON -MIN-B-HOME2 MORT
xU005_18A	ASSET RECON -MAX-A -HOME2 MORT
xU005_18B	ASSET RECON -MAX-B -HOME2 MORT
xU006_18A	ASSET RECON - RES-A-HOME2 MORT
xU006_18B	ASSET RECON - RES-B-HOME2 MORT
xU022_18A	WHICH WAVE WRONG-A-HOME2 MORT
xU022_18B	WHICH WAVE WRONG-B-HOME2 MORT

Net value of secondary residence

Wave	Variable	Label	Type
1	H1ANETHB	H1ANETHB:W1 Net Value of 2nd Home--Cross-wave	Cont
2	H2ANETHB	H2ANETHB:W2 Net Value of 2nd Home--Cross-wave	Cont
4	H4ANETHB	H4ANETHB:W4 Net Value of 2nd Home--Cross-wave	Cont
5	H5ANETHB	H5ANETHB:W5 Net Value of 2nd Home--Cross-wave	Cont
6	H6ANETHB	H6ANETHB:W6 Net Value of 2nd Home--Cross-wave	Cont
7	H7ANETHB	H7ANETHB:W7 Net Value of 2nd Home--Cross-wave	Cont
8	H8ANETHB	H8ANETHB:W8 Net Value of 2nd Home--Cross-wave	Cont
9	H9ANETHB	H9ANETHB:W9 Net Value of 2nd Home--Cross-wave	Cont
10	H10ANETHB	H10ANETHB:W10 Net Value of 2nd Home--Cross-wave	Cont
11	H11ANETHB	H11ANETHB:W11 Net Value of 2nd Home--Cross-wave	Cont
12	H12ANETHB	H12ANETHB:W12 Net Value of 2nd Home--Cross-wave	Cont
13	H13ANETHB	H13ANETHB:W13 Net Value of 2nd Home--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ANETHB	12652	11446.93	82560.19	-55000.0	5000000.0
H2ANETHB	11420	8750.47	44654.02	-75000.0	1870000.0
H4ANETHB	21384	10261.20	52201.94	-867495.8	1725000.0
H5ANETHB	19578	12009.81	57244.09	-40000.0	1508704.8
H6ANETHB	18165	15759.65	85371.91	-127000.0	3000000.0
H7ANETHB	20129	19463.65	142073.41	-150000.0	10000000.0
H8ANETHB	18469	23815.32	129330.98	-147000.0	6000000.0
H9ANETHB	17217	24288.63	124166.55	-500000.0	3000000.0
H10ANETHB	22034	19950.49	122195.43	-357000.0	5525000.0
H11ANETHB	20554	20025.30	103019.05	-297000.0	3250000.0
H12ANETHB	18747	25059.14	473509.62	-260000.0	61800000.0
H13ANETHB	20912	19894.19	109840.08	-170000.0	6000000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The net value of second home is calculated as house value less mortgages:

HwAHoub - HwAMRTB

Due to problems with the way information about second residences was collected in Waves 2A and 3, we do not provide these

variables for these waves.

Users should note the following outlier:

1. HHIDPN: 529220010 reported having a second home (OH166) worth \$65,000,000 in Wave 12. S/he also reported having a loan on this second home (OH171) of \$3,200,000. Therefore, the net value of her/his second home is \$61,800,000.

Net value of non-housing financial wealth

Wave	Variable	Label	Type
1	H1ATOTF	H1ATOTF:W1 Non-Housing Financial Wealth--Cross-wave	Cont
2	H2ATOTF	H2ATOTF:W2 Non-Housing Financial Wealth--Cross-wave	Cont
3	H3ATOTF	H3ATOTF:W3 Non-Housing Financial Wealth--Cross-wave	Cont
4	H4ATOTF	H4ATOTF:W4 Non-Housing Financial Wealth--Cross-wave	Cont
5	H5ATOTF	H5ATOTF:W5 Non-Housing Financial Wealth--Cross-wave	Cont
6	H6ATOTF	H6ATOTF:W6 Non-Housing Financial Wealth--Cross-wave	Cont
7	H7ATOTF	H7ATOTF:W7 Non-Housing Financial Wealth--Cross-wave	Cont
8	H8ATOTF	H8ATOTF:W8 Non-Housing Financial Wealth--Cross-wave	Cont
9	H9ATOTF	H9ATOTF:W9 Non-Housing Financial Wealth--Cross-wave	Cont
10	H10ATOTF	H10ATOTF:W10 Non-Housing Financial Wealth--Cross-wave	Cont
11	H11ATOTF	H11ATOTF:W11 Non-Housing Financial Wealth--Cross-wave	Cont
12	H12ATOTF	H12ATOTF:W12 Non-Housing Financial Wealth--Cross-wave	Cont
13	H13ATOTF	H13ATOTF:W13 Non-Housing Financial Wealth--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTF	12652	50110.73	218301.16	-790000.0	9574297.2
H2ATOTF	19642	61240.93	231379.52	-415000.0	9513679.0
H3ATOTF	17991	93569.27	485701.91	-475000.0	40550000.0
H4ATOTF	21384	104541.88	496222.53	-3636749.0	30325000.0
H5ATOTF	19578	121872.72	517752.81	-485500.0	33500000.0
H6ATOTF	18165	123853.37	847158.70	-598000.0	90000200.0
H7ATOTF	20129	127573.72	612943.05	-2335500.0	28400000.0
H8ATOTF	18469	142356.44	653047.85	-2199892.0	30250000.0
H9ATOTF	17217	139520.27	484600.60	-1400000.0	15231178.0
H10ATOTF	22034	112909.23	515862.36	-1250000.0	21200000.0
H11ATOTF	20554	114468.92	578230.61	-1685000.0	42300000.0
H12ATOTF	18747	135917.33	1561849.80	-1499500.0	202000000.0
H13ATOTF	20912	117852.28	574455.13	-1800000.0	21630401.4

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The net value of non-housing financial wealth is calculated as the sum of the appropriate wealth components less debt:

Sum (HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) - HwADEBT

Note: This total does NOT include the value of IRAs and Keogh plans, nor does it include the value of any real estate, vehicles, or businesses.

Total Wealth (Excluding Secondary Residence)

Wave	Variable	Label	Type
1	H1ATOTA	H1ATOTA:W1 Total of all Assets--Cross-wave	Cont
2	H2ATOTA	H2ATOTA:W2 Total of all Assets--Cross-wave	Cont
3	H3ATOTA	H3ATOTA:W3 Total of all Assets--Cross-wave	Cont
4	H4ATOTA	H4ATOTA:W4 Total of all Assets--Cross-wave	Cont
5	H5ATOTA	H5ATOTA:W5 Total of all Assets--Cross-wave	Cont
6	H6ATOTA	H6ATOTA:W6 Total of all Assets--Cross-wave	Cont
7	H7ATOTA	H7ATOTA:W7 Total of all Assets--Cross-wave	Cont
8	H8ATOTA	H8ATOTA:W8 Total of all Assets--Cross-wave	Cont
9	H9ATOTA	H9ATOTA:W9 Total of all Assets--Cross-wave	Cont
10	H10ATOTA	H10ATOTA:W10 Total of all Assets--Cross-wave	Cont
11	H11ATOTA	H11ATOTA:W11 Total of all Assets--Cross-wave	Cont
12	H12ATOTA	H12ATOTA:W12 Total of all Assets--Cross-wave	Cont
13	H13ATOTA	H13ATOTA:W13 Total of all Assets--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTA	12652	212541.42	506149.91	-710000.0	18398882.1
H2ATOTA	19642	218323.50	497176.51	-4383000.0	14930000.0
H3ATOTA	17991	270701.18	742551.74	-463000.0	40785000.0
H4ATOTA	21384	307994.83	1124112.40	-3636749.0	86210000.0
H5ATOTA	19578	349154.22	989130.59	-371755.3	53200200.0
H6ATOTA	18165	369337.36	1107713.82	-265995.0	90648200.0
H7ATOTA	20129	412920.86	1144077.68	-2245500.0	42119029.0
H8ATOTA	18469	489692.16	1273005.58	-2199392.0	43512000.0
H9ATOTA	17217	491035.82	1221235.01	-1064000.0	40637644.5
H10ATOTA	22034	384979.94	1027057.03	-2760000.0	49900000.0
H11ATOTA	20554	381242.90	1014946.20	-1510000.0	43500000.0
H12ATOTA	18747	432197.43	2076351.27	-2751000.0	247429894.5
H13ATOTA	20912	427272.34	1197613.58	-1098000.0	33910000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The net value of total wealth (excluding second home) is calculated as the sum of all wealth components less all debt:

Sum (HwAHOUS, HwARLES, HwATRAN, HwABSNS, HwAIRA, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) -
Sum (HwAMORT, HwAHMLN, HwADEBT)

Total Wealth (Including Secondary Residence)

Wave	Variable	Label	Type
1	H1ATOTB	H1ATOTB:W1 Total all Assets inc. 2nd Hm--Cross-wave	Cont
2	H2ATOTB	H2ATOTB:W2 Total all Assets inc. 2nd Hm--Cross-wave	Cont
4	H4ATOTB	H4ATOTB:W4 Total all Assets inc. 2nd Hm--Cross-wave	Cont
5	H5ATOTB	H5ATOTB:W5 Total all Assets inc. 2nd Hm--Cross-wave	Cont
6	H6ATOTB	H6ATOTB:W6 Total all Assets inc. 2nd Hm--Cross-wave	Cont
7	H7ATOTB	H7ATOTB:W7 Total all Assets inc. 2nd Hm--Cross-wave	Cont
8	H8ATOTB	H8ATOTB:W8 Total all Assets inc. 2nd Hm--Cross-wave	Cont
9	H9ATOTB	H9ATOTB:W9 Total all Assets inc. 2nd Hm--Cross-wave	Cont
10	H10ATOTB	H10ATOTB:W10 Total all Assets inc. 2nd Hm--Cross-wave	Cont
11	H11ATOTB	H11ATOTB:W11 Total all Assets inc. 2nd Hm--Cross-wave	Cont
12	H12ATOTB	H12ATOTB:W12 Total all Assets inc. 2nd Hm--Cross-wave	Cont
13	H13ATOTB	H13ATOTB:W13 Total all Assets inc. 2nd Hm--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTB	12652	223988.35	525363.22	-710000.0	18748882.1
H2ATOTB	11420	254499.14	559379.87	-4383000.0	15230000.0
H4ATOTB	21384	318256.03	1136202.90	-3624527.0	86530000.0
H5ATOTB	19578	361164.03	1005548.63	-371755.3	53800200.0
H6ATOTB	18165	385097.01	1131823.16	-265995.0	90708200.0
H7ATOTB	20129	432384.51	1186934.44	-2245500.0	42219029.0
H8ATOTB	18469	513507.48	1318186.11	-2199392.0	43512000.0
H9ATOTB	17217	515324.45	1265153.93	-1064000.0	41637644.5
H10ATOTB	22034	404930.43	1064865.99	-2760000.0	50900000.0
H11ATOTB	20554	401268.20	1053189.82	-1495000.0	43500000.0
H12ATOTB	18747	457256.57	2502740.92	-2729000.0	309229894.5
H13ATOTB	20912	447166.53	1236980.89	-1098000.0	34149000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The net value of total wealth (including second home) is calculated as the sum of all wealth components less all debt:

Sum (HwAHOUS, HwAHOUB, HwARLES, HwATRAN, HwABSNS, HwAIRA, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) - Sum (HwAMORT, HwAHMLN, HwADEBT, HwAMRTB)

In Wave 2, H2ATOTB is only calculated for 1994 because no questions are asked about a second home in 1993. Total wealth (including secondary residence) cannot be calculated in Wave 3 because no questions were asked about a second home in either 1995 or 1996.

Total Wealth (Excluding IRAs)

Wave	Variable	Label	Type
1	H1ATOTW	H1ATOTW:W1 Total Wealth less IRA--Cross-wave	Cont
2	H2ATOTW	H2ATOTW:W2 Total Wealth less IRA--Cross-wave	Cont
3	H3ATOTW	H3ATOTW:W3 Total Wealth less IRA--Cross-wave	Cont
4	H4ATOTW	H4ATOTW:W4 Total Wealth less IRA--Cross-wave	Cont
5	H5ATOTW	H5ATOTW:W5 Total Wealth less IRA--Cross-wave	Cont
6	H6ATOTW	H6ATOTW:W6 Total Wealth less IRA--Cross-wave	Cont
7	H7ATOTW	H7ATOTW:W7 Total Wealth less IRA--Cross-wave	Cont
8	H8ATOTW	H8ATOTW:W8 Total Wealth less IRA--Cross-wave	Cont
9	H9ATOTW	H9ATOTW:W9 Total Wealth less IRA--Cross-wave	Cont
10	H10ATOTW	H10ATOTW:W10 Total Wealth less IRA--Cross-wave	Cont
11	H11ATOTW	H11ATOTW:W11 Total Wealth less IRA--Cross-wave	Cont
12	H12ATOTW	H12ATOTW:W12 Total Wealth less IRA--Cross-wave	Cont
13	H13ATOTW	H13ATOTW:W13 Total Wealth less IRA--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTW	12652	194842.26	490028.96	-760000.0	18398882.1
H2ATOTW	19642	198406.06	476264.21	-4383000.0	14900000.0
H3ATOTW	17991	242569.71	707596.58	-463000.0	40785000.0
H4ATOTW	21384	268966.53	1096036.40	-3636749.0	85960000.0
H5ATOTW	19578	298676.62	923791.26	-371755.3	50000200.0
H6ATOTW	18165	322763.11	1069691.50	-265995.0	90628200.0
H7ATOTW	20129	360890.69	1050300.85	-2313500.0	36550000.0
H8ATOTW	18469	423531.88	1110517.53	-2199392.0	31800000.0
H9ATOTW	17217	426905.97	1161375.25	-1064000.0	40637644.5
H10ATOTW	22034	328378.98	969819.87	-2760000.0	49200000.0
H11ATOTW	20554	320163.43	947179.52	-1680000.0	43500000.0
H12ATOTW	18747	359338.04	2019294.42	-2751000.0	246129894.5
H13ATOTW	20912	356995.45	1119093.03	-1098000.0	33910000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The net value of total wealth less IRA is calculated as the sum of all wealth components except the value of IRAs and Keogh plans less all debt:

Sum (HwAHOUS, HwARLES, HwATRAN, HwABSNS, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) - Sum
(HwAMORT, HwAHMLN, HwADEBT)

Total Non-housing Wealth

Wave	Variable	Label	Type
1	H1ATOTN	H1ATOTN:W1 Total Non-Housing Assets--Cross-wave	Cont
2	H2ATOTN	H2ATOTN:W2 Total Non-Housing Assets--Cross-wave	Cont
3	H3ATOTN	H3ATOTN:W3 Total Non-Housing Assets--Cross-wave	Cont
4	H4ATOTN	H4ATOTN:W4 Total Non-Housing Assets--Cross-wave	Cont
5	H5ATOTN	H5ATOTN:W5 Total Non-Housing Assets--Cross-wave	Cont
6	H6ATOTN	H6ATOTN:W6 Total Non-Housing Assets--Cross-wave	Cont
7	H7ATOTN	H7ATOTN:W7 Total Non-Housing Assets--Cross-wave	Cont
8	H8ATOTN	H8ATOTN:W8 Total Non-Housing Assets--Cross-wave	Cont
9	H9ATOTN	H9ATOTN:W9 Total Non-Housing Assets--Cross-wave	Cont
10	H10ATOTN	H10ATOTN:W10 Total Non-Housing Assets--Cross-wave	Cont
11	H11ATOTN	H11ATOTN:W11 Total Non-Housing Assets--Cross-wave	Cont
12	H12ATOTN	H12ATOTN:W12 Total Non-Housing Assets--Cross-wave	Cont
13	H13ATOTN	H13ATOTN:W13 Total Non-Housing Assets--Cross-wave	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ATOTN	12652	150903.94	474981.19	-725000.0	17448882.1
H2ATOTN	19642	149973.48	445725.28	-257123.0	13730000.0
H3ATOTN	17991	197857.25	698305.00	-463000.0	40635000.0
H4ATOTN	21384	226757.28	1062986.64	-3636749.0	85710000.0
H5ATOTN	19578	257079.48	864696.68	-471755.3	50200000.0
H6ATOTN	18165	263156.22	1052355.91	-277000.0	90148200.0
H7ATOTN	20129	284806.69	1012163.33	-2245500.0	35352000.0
H8ATOTN	18469	332708.25	1170371.58	-2199392.0	43162000.0
H9ATOTN	17217	332137.68	1019620.18	-1144000.0	40607644.5
H10ATOTN	22034	267260.65	918704.09	-943500.0	46900000.0
H11ATOTN	20554	267891.20	906251.68	-1510000.0	43300000.0
H12ATOTN	18747	307927.03	2014263.93	-1294500.0	246029894.5
H13ATOTN	20912	297119.82	1088773.00	-1115000.0	31410000.0

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

The net value of all non-housing wealth is calculated as the sum of the appropriate wealth components less debt:

Sum (HwARLES, HwATRAN, HwABSNS, HwAIRA, HwASTCK, HwACHCK, HwACD, HwABOND, HwAOTHR) - HwADEBT

Note that the value of the primary residence, mortgages, and home loans are NOT included.

Change in wealth

Wave	Variable	Label	Type
2	H2ATOTAC	H2ATOTAC:W2 Change in Total Assets w/o 2nd home	Cont
3	H3ATOTAC	H3ATOTAC:W3 Change in Total Assets w/o 2nd home	Cont
4	H4ATOTAC	H4ATOTAC:W4 Change in Total Assets w/o 2nd home	Cont
5	H5ATOTAC	H5ATOTAC:W5 Change in Total Assets w/o 2nd home	Cont
6	H6ATOTAC	H6ATOTAC:W6 Change in Total Assets w/o 2nd home	Cont
7	H7ATOTAC	H7ATOTAC:W7 Change in Total Assets w/o 2nd home	Cont
8	H8ATOTAC	H8ATOTAC:W8 Change in Total Assets w/o 2nd home	Cont
9	H9ATOTAC	H9ATOTAC:W9 Change in Total Assets w/o 2nd home	Cont
10	H10ATOTAC	H10ATOTAC:W10 Change in Total Assets w/o 2nd home	Cont
11	H11ATOTAC	H11ATOTAC:W11 Change in Total Assets w/o 2nd home	Cont
12	H12ATOTAC	H12ATOTAC:W12 Change in Total Assets w/o 2nd home	Cont
13	H13ATOTAC	H13ATOTAC:W13 Change in Total Assets w/o 2nd home	Cont
2	H2ATOTBC	H2ATOTBC:W2 Change in Total Assets w/ 2nd home	Cont
5	H5ATOTBC	H5ATOTBC:W5 Change in Total Assets w/ 2nd home	Cont
6	H6ATOTBC	H6ATOTBC:W6 Change in Total Assets w/ 2nd home	Cont
7	H7ATOTBC	H7ATOTBC:W7 Change in Total Assets w/ 2nd home	Cont
8	H8ATOTBC	H8ATOTBC:W8 Change in Total Assets w/ 2nd home	Cont
9	H9ATOTBC	H9ATOTBC:W9 Change in Total Assets w/ 2nd home	Cont
10	H10ATOTBC	H10ATOTBC:W10 Change in Total Assets w/ 2nd home	Cont
11	H11ATOTBC	H11ATOTBC:W11 Change in Total Assets w/ 2nd home	Cont
12	H12ATOTBC	H12ATOTBC:W12 Change in Total Assets w/ 2nd home	Cont
13	H13ATOTBC	H13ATOTBC:W13 Change in Total Assets w/ 2nd home	Cont
2	H2ATOTWC	H2ATOTWC:W2 Change in Tot Wealth /No Ira	Cont
3	H3ATOTWC	H3ATOTWC:W3 Change in Tot Wealth /No Ira	Cont
4	H4ATOTWC	H4ATOTWC:W4 Change in Tot Wealth /No Ira	Cont
5	H5ATOTWC	H5ATOTWC:W5 Change in Tot Wealth /No Ira	Cont
6	H6ATOTWC	H6ATOTWC:W6 Change in Tot Wealth /No Ira	Cont
7	H7ATOTWC	H7ATOTWC:W7 Change in Tot Wealth /No Ira	Cont
8	H8ATOTWC	H8ATOTWC:W8 Change in Tot Wealth /No Ira	Cont
9	H9ATOTWC	H9ATOTWC:W9 Change in Tot Wealth /No Ira	Cont
10	H10ATOTWC	H10ATOTWC:W10 Change in Tot Wealth /No Ira	Cont
11	H11ATOTWC	H11ATOTWC:W11 Change in Tot Wealth /No Ira	Cont
12	H12ATOTWC	H12ATOTWC:W12 Change in Tot Wealth /No Ira	Cont
13	H13ATOTWC	H13ATOTWC:W13 Change in Tot Wealth /No Ira	Cont
2	H2ATOTHC	H2ATOTHC:W2 Change in Net Prim Res House Value	Cont
3	H3ATOTHC	H3ATOTHC:W3 Change in Net Prim Res House Value	Cont
4	H4ATOTHC	H4ATOTHC:W4 Change in Net Prim Res House Value	Cont
5	H5ATOTHC	H5ATOTHC:W5 Change in Net Prim Res House Value	Cont
6	H6ATOTHC	H6ATOTHC:W6 Change in Net Prim Res House Value	Cont
7	H7ATOTHC	H7ATOTHC:W7 Change in Net Prim Res House Value	Cont
8	H8ATOTHC	H8ATOTHC:W8 Change in Net Prim Res House Value	Cont
9	H9ATOTHC	H9ATOTHC:W9 Change in Net Prim Res House Value	Cont
10	H10ATOTHC	H10ATOTHC:W10 Change in Net Prim Res House Value	Cont
11	H11ATOTHC	H11ATOTHC:W11 Change in Net Prim Res House Value	Cont
12	H12ATOTHC	H12ATOTHC:W12 Change in Net Prim Res House Value	Cont
13	H13ATOTHC	H13ATOTHC:W13 Change in Net Prim Res House Value	Cont
2	H2ATOTFC	H2ATOTFC:W2 Change in Non-House Fin Wlth	Cont
3	H3ATOTFC	H3ATOTFC:W3 Change in Non-House Fin Wlth	Cont
4	H4ATOTFC	H4ATOTFC:W4 Change in Non-House Fin Wlth	Cont
5	H5ATOTFC	H5ATOTFC:W5 Change in Non-House Fin Wlth	Cont
6	H6ATOTFC	H6ATOTFC:W6 Change in Non-House Fin Wlth	Cont
7	H7ATOTFC	H7ATOTFC:W7 Change in Non-House Fin Wlth	Cont
8	H8ATOTFC	H8ATOTFC:W8 Change in Non-House Fin Wlth	Cont
9	H9ATOTFC	H9ATOTFC:W9 Change in Non-House Fin Wlth	Cont
10	H10ATOTFC	H10ATOTFC:W10 Change in Non-House Fin Wlth	Cont
11	H11ATOTFC	H11ATOTFC:W11 Change in Non-House Fin Wlth	Cont
12	H12ATOTFC	H12ATOTFC:W12 Change in Non-House Fin Wlth	Cont
13	H13ATOTFC	H13ATOTFC:W13 Change in Non-House Fin Wlth	Cont
2	H2ATOTNC	H2ATOTNC:W2 Change in Tot NonHouse Assts	Cont
3	H3ATOTNC	H3ATOTNC:W3 Change in Tot NonHouse Assts	Cont
4	H4ATOTNC	H4ATOTNC:W4 Change in Tot NonHouse Assts	Cont

5	H5ATOTNC	H5ATOTNC:W5 Change in Tot NonHouse Assts	Cont
6	H6ATOTNC	H6ATOTNC:W6 Change in Tot NonHouse Assts	Cont
7	H7ATOTNC	H7ATOTNC:W7 Change in Tot NonHouse Assts	Cont
8	H8ATOTNC	H8ATOTNC:W8 Change in Tot NonHouse Assts	Cont
9	H9ATOTNC	H9ATOTNC:W9 Change in Tot NonHouse Assts	Cont
10	H10ATOTNC	H10ATOTNC:W10 Change in Tot NonHouse Assts	Cont
11	H11ATOTNC	H11ATOTNC:W11 Change in Tot NonHouse Assts	Cont
12	H12ATOTNC	H12ATOTNC:W12 Change in Tot NonHouse Assts	Cont
13	H13ATOTNC	H13ATOTNC:W13 Change in Tot NonHouse Assts	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2ATOTAC	11423	29268.78	445984.04	-8824751.4	8842763.0
H3ATOTAC	17721	47199.14	598382.66	-11524930.6	38505862.8
H4ATOTAC	16293	35111.05	965447.47	-16276028.0	70110000.0
H5ATOTAC	19314	33748.30	1133873.25	-81344000.0	38699950.0
H6ATOTAC	17938	10095.69	1083378.05	-37157000.0	89443200.0
H7ATOTAC	16657	50233.53	1168235.88	-89499200.0	29771000.0
H8ATOTAC	18261	68793.10	898370.45	-25440000.0	36107274.8
H9ATOTAC	17074	-4510.47	946527.40	-38147000.0	22036500.0
H10ATOTAC	15595	-50509.63	840169.12	-31485000.0	14799507.0
H11ATOTAC	20223	-4940.62	720136.86	-30373980.0	35426058.5
H12ATOTAC	18569	45887.40	1110200.46	-26786378.1	123668947.3
H13ATOTAC	16354	44757.84	730157.08	-16849640.7	25686882.9
H2ATOTBC	11317	27971.83	453001.01	-8824751.4	8788763.0
H5ATOTBC	18859	37314.18	1143693.70	-81164000.0	38799950.0
H6ATOTBC	17710	13151.90	1088273.96	-36847000.0	89353200.0
H7ATOTBC	16567	54076.62	1177868.59	-89489200.0	29771000.0
H8ATOTBC	18231	72545.05	901931.47	-25210000.0	36107274.8
H9ATOTBC	17058	-4757.75	954636.85	-38147000.0	22036500.0
H10ATOTBC	15579	-52775.82	851703.51	-31485000.0	15099507.0
H11ATOTBC	20213	-5341.58	730833.05	-30773980.0	35426058.5
H12ATOTBC	18568	48644.89	1303691.22	-26786378.1	154568947.3
H13ATOTBC	16354	44227.33	737874.98	-16762307.8	25686882.9
H2ATOTWC	11423	19778.63	436370.34	-8824751.4	8822763.0
H3ATOTWC	17721	39975.62	582824.15	-11524930.6	38505862.8
H4ATOTWC	16293	27394.81	952365.29	-13831397.4	70020000.0
H5ATOTWC	19314	23921.43	1108376.46	-81295000.0	38630950.0
H6ATOTWC	17938	16863.62	1062171.45	-37378000.0	89423200.0
H7ATOTWC	16657	45972.05	1160361.20	-89479200.0	29771000.0
H8ATOTWC	18261	54979.61	780163.30	-25140000.0	27070298.8
H9ATOTWC	17074	-1363.14	833447.91	-28490000.0	22036500.0
H10ATOTWC	15595	-51137.51	822561.48	-31485000.0	14694507.0
H11ATOTWC	20223	-7498.46	706273.49	-29803980.0	35993200.7
H12ATOTWC	18569	35350.03	1088126.27	-26318378.1	123018947.3
H13ATOTWC	16354	39254.49	705418.03	-16721166.3	25936882.9
H2ATOTHC	11423	5609.85	121724.16	-5290000.0	4735000.0
H3ATOTHC	17721	3602.05	87622.08	-3398543.2	4490000.0
H4ATOTHC	16293	6864.47	236880.85	-1100000.0	18498543.2
H5ATOTHC	19314	8206.29	185338.55	-9000000.0	9100000.0
H6ATOTHC	17938	12106.91	229400.71	-13900000.0	9148682.9
H7ATOTHC	16657	22538.86	299167.75	-9966000.0	23140000.0
H8ATOTHC	18261	27133.54	310472.35	-25000000.0	5335377.1

H9ATOTHC	17074	-407.60	339327.14	-4190000.0	22850000.0
H10ATOTHC	15595	-27612.14	359369.82	-22000000.0	8205000.0
H11ATOTHC	20223	-5208.61	150669.45	-8500000.0	6900000.0
H12ATOTHC	18569	10014.17	123131.79	-2600698.5	4474633.4
H13ATOTHC	16354	13981.17	143002.13	-5410738.5	4010000.0
H2ATOTFC	11423	9661.21	175769.43	-3574297.2	4891085.1
H3ATOTFC	17721	31473.49	445674.49	-6405030.5	38780862.8
H4ATOTFC	16293	15702.46	431607.83	-10225000.0	24975000.0
H5ATOTFC	19314	17858.46	506265.32	-22895000.0	28300000.0
H6ATOTFC	17938	1117.52	859512.00	-18041959.3	89998200.0
H7ATOTFC	16657	14822.77	919072.56	-89753700.0	22358508.4
H8ATOTFC	18261	9500.31	519889.03	-22410000.0	27730298.8
H9ATOTFC	17074	-420.75	430946.38	-20932222.2	14099178.0
H10ATOTFC	15595	135.13	388385.14	-12971990.0	14749507.0
H11ATOTFC	20223	2303.50	527740.11	-18143000.0	41155872.2
H12ATOTFC	18569	18932.60	833749.61	-24995000.0	101001000.0
H13ATOTFC	16354	13348.80	425427.20	-13172919.3	18580401.4
H2ATOTNC	11423	23658.93	412045.50	-8284748.7	8248225.2
H3ATOTNC	17721	43597.09	588111.93	-10513995.0	38455862.8
H4ATOTNC	16293	28246.58	934065.73	-16226028.0	70090000.0
H5ATOTNC	19314	25542.01	1094409.99	-80844000.0	37500000.0
H6ATOTNC	17938	-2011.23	1037620.06	-28357000.0	89393200.0
H7ATOTNC	16657	27694.67	1123762.73	-89799200.0	29685000.0
H8ATOTNC	18261	41659.56	851688.94	-22320000.0	36857274.8
H9ATOTNC	17074	-4102.86	908433.97	-38177000.0	21454644.5
H10ATOTNC	15595	-22897.49	762372.93	-35010000.0	14849507.0
H11ATOTNC	20223	267.99	695893.40	-30373980.0	35476058.5
H12ATOTNC	18569	35873.22	1096113.65	-25441000.0	122983947.3
H13ATOTNC	16354	30776.67	703653.72	-17049640.7	25536882.9

General Comments

Wealth measures are reported in nominal dollars. When an HRS or AHEAD wealth component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD wealth components are summed to create the wealth measures found here in the RAND HRS Longitudinal File. For each derived wealth measure, a flag indicates whether any or all of its components were imputed. Individual wealth components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data, and address them as necessary, depending on the analytic goals.

How Constructed

Change in wealth variables take the difference between the current and previous interviews. For example, the Wave 2 change in wealth is the Wave 2 wealth less the Wave 1 wealth. If a Respondent misses an interview, the change is adjusted to account for the longer period between interviews. For example, if a Respondent misses Wave 2 but responds to Wave 1 and Wave 3, the difference between Wave 3 and Wave 1 wealth is divided by 2. If a Respondent misses 2 interviews, the difference is divided by 3, and so on.

If the Respondent has no prior interview, then the change in wealth variables are set to missing value .P (no prior interview).

$$HwATOTHC = (HwATOTH - H[pw]ATOTH) / (w-pw)$$

$$\text{HwATOTFC} = (\text{HwATOTF} - \text{H[pw]ATOTF}) / (\text{w} - \text{pw})$$

$$\text{HwATOTAC} = (\text{HwATOTA} - \text{H[pw]ATOTA}) / (\text{w} - \text{pw})$$

$$\text{HwATOTBC} = (\text{HwATOTB} - \text{H[pw]ATOTB}) / (\text{w} - \text{pw})$$

$$\text{HwATOTNC} = (\text{HwATOTN} - \text{H[pw]ATOTN}) / (\text{w} - \text{pw})$$

$$\text{HwATOTWC} = (\text{HwATOTW} - \text{H[pw]ATOTW}) / (\text{w} - \text{pw})$$

Where "w" is the current wave and "pw" is the last previous interview to which the Respondent responded.

It is important to note that HwATOTBC will only be calculated based on the waves for which second residence information is currently available, that is - Wave 2H, and from Wave 4 forward.

Section D: Income

Individual Earnings

Wave	Variable	Label	Type
1	R1IEARN	R1IEARN:W1 Income:R Earnings	Cont
2	R2IEARN	R2IEARN:W2 Income:R Earnings	Cont
3	R3IEARN	R3IEARN:W3 Income:R Earnings	Cont
4	R4IEARN	R4IEARN:W4 Income:R Earnings	Cont
5	R5IEARN	R5IEARN:W5 Income:R Earnings	Cont
6	R6IEARN	R6IEARN:W6 Income:R Earnings	Cont
7	R7IEARN	R7IEARN:W7 Income:R Earnings	Cont
8	R8IEARN	R8IEARN:W8 Income:R Earnings	Cont
9	R9IEARN	R9IEARN:W9 Income:R Earnings	Cont
10	R10IEARN	R10IEARN:W10 Income:R Earnings	Cont
11	R11IEARN	R11IEARN:W11 Income:R Earnings	Cont
12	R12IEARN	R12IEARN:W12 Income:R Earnings	Cont
13	R13IEARN	R13IEARN:W13 Income:R Earnings	Cont
1	S1IEARN	S1IEARN:W1 Income:Sp Earnings	Cont
2	S2IEARN	S2IEARN:W2 Income:Sp Earnings	Cont
3	S3IEARN	S3IEARN:W3 Income:Sp Earnings	Cont
4	S4IEARN	S4IEARN:W4 Income:Sp Earnings	Cont
5	S5IEARN	S5IEARN:W5 Income:Sp Earnings	Cont
6	S6IEARN	S6IEARN:W6 Income:Sp Earnings	Cont
7	S7IEARN	S7IEARN:W7 Income:Sp Earnings	Cont
8	S8IEARN	S8IEARN:W8 Income:Sp Earnings	Cont
9	S9IEARN	S9IEARN:W9 Income:Sp Earnings	Cont
10	S10IEARN	S10IEARN:W10 Income:Sp Earnings	Cont
11	S11IEARN	S11IEARN:W11 Income:Sp Earnings	Cont
12	S12IEARN	S12IEARN:W12 Income:Sp Earnings	Cont
13	S13IEARN	S13IEARN:W13 Income:Sp Earnings	Cont
1	R1IFEARN	R1IFEARN:W1 ImpFlag:R Earnings	Categ
2	R2IFEARN	R2IFEARN:W2 ImpFlag:R Earnings	Categ
3	R3IFEARN	R3IFEARN:W3 ImpFlag:R Earnings	Categ
4	R4IFEARN	R4IFEARN:W4 ImpFlag:R Earnings	Categ
5	R5IFEARN	R5IFEARN:W5 ImpFlag:R Earnings	Categ
6	R6IFEARN	R6IFEARN:W6 ImpFlag:R Earnings	Categ
7	R7IFEARN	R7IFEARN:W7 ImpFlag:R Earnings	Categ
8	R8IFEARN	R8IFEARN:W8 ImpFlag:R Earnings	Categ
9	R9IFEARN	R9IFEARN:W9 ImpFlag:R Earnings	Categ
10	R10IFEARN	R10IFEARN:W10 ImpFlag:R Earnings	Categ
11	R11IFEARN	R11IFEARN:W11 ImpFlag:R Earnings	Categ
12	R12IFEARN	R12IFEARN:W12 ImpFlag:R Earnings	Categ
13	R13IFEARN	R13IFEARN:W13 ImpFlag:R Earnings	Categ
1	S1IFEARN	S1IFEARN:W1 ImpFlag:Sp Earnings	Categ
2	S2IFEARN	S2IFEARN:W2 ImpFlag:Sp Earnings	Categ
3	S3IFEARN	S3IFEARN:W3 ImpFlag:Sp Earnings	Categ
4	S4IFEARN	S4IFEARN:W4 ImpFlag:Sp Earnings	Categ
5	S5IFEARN	S5IFEARN:W5 ImpFlag:Sp Earnings	Categ
6	S6IFEARN	S6IFEARN:W6 ImpFlag:Sp Earnings	Categ
7	S7IFEARN	S7IFEARN:W7 ImpFlag:Sp Earnings	Categ
8	S8IFEARN	S8IFEARN:W8 ImpFlag:Sp Earnings	Categ
9	S9IFEARN	S9IFEARN:W9 ImpFlag:Sp Earnings	Categ
10	S10IFEARN	S10IFEARN:W10 ImpFlag:Sp Earnings	Categ
11	S11IFEARN	S11IFEARN:W11 ImpFlag:Sp Earnings	Categ
12	S12IFEARN	S12IFEARN:W12 ImpFlag:Sp Earnings	Categ
13	S13IFEARN	S13IFEARN:W13 ImpFlag:Sp Earnings	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IEARN	12652	19425.15	30107.24	0.0	1250000.0

R2IEARN	19642	11546.11	33619.27	0.0	3000000.0
R3IEARN	17991	10412.06	23721.05	0.0	770000.0
R4IEARN	21384	11627.77	36604.69	0.0	3530000.0
R5IEARN	19578	11046.59	31038.93	0.0	2000000.0
R6IEARN	18165	10734.05	28190.74	0.0	757000.0
R7IEARN	20129	14139.19	38040.43	0.0	2000000.0
R8IEARN	18469	13106.77	57868.90	0.0	6525000.0
R9IEARN	17217	12796.30	35602.20	0.0	1425000.0
R10IEARN	22034	16939.96	39149.51	0.0	1400000.0
R11IEARN	20554	16343.16	40083.40	0.0	1053000.0
R12IEARN	18747	15996.49	41319.81	0.0	1600000.0
R13IEARN	20912	20478.15	48406.17	0.0	1400000.0
S1IEARN	10279	19679.13	28136.87	0.0	600000.0
S2IEARN	13674	13908.55	38469.43	0.0	3000000.0
S3IEARN	12334	12210.92	25807.55	0.0	770000.0
S4IEARN	14516	13748.27	41355.50	0.0	3530000.0
S5IEARN	13041	13056.68	29956.32	0.0	1103360.3
S6IEARN	11859	12931.79	31415.98	0.0	757000.0
S7IEARN	13352	17135.56	44162.11	0.0	2000000.0
S8IEARN	12052	16044.98	69703.00	0.0	6525000.0
S9IEARN	11012	15763.44	41065.34	0.0	1425000.0
S10IEARN	14235	19724.87	42165.19	0.0	1400000.0
S11IEARN	13080	19674.62	45325.83	0.0	1053000.0
S12IEARN	11622	20062.42	46883.41	0.0	1000000.0
S13IEARN	12888	24852.16	55458.59	0.0	1610000.0
R1IFEARN	12652	0.88	0.93	0.0	9.0
R2IFEARN	19642	0.56	0.95	0.0	9.0
R3IFEARN	17991	0.48	0.93	0.0	9.0
R4IFEARN	21384	0.52	1.04	0.0	9.0
R5IFEARN	19578	0.46	0.94	0.0	9.0
R6IFEARN	18165	0.41	0.75	0.0	9.0
R7IFEARN	20129	0.48	0.85	0.0	9.0
R8IFEARN	18469	0.43	0.79	0.0	9.0
R9IFEARN	17217	0.41	0.82	0.0	9.0
R10IFEARN	22034	0.61	1.32	0.0	9.0
R11IFEARN	20554	0.50	0.99	0.0	9.0
R12IFEARN	18747	0.49	1.06	0.0	9.0
R13IFEARN	20912	0.62	1.29	0.0	9.0
S1IFEARN	12652	2.23	2.91	0.0	9.0
S2IFEARN	19642	2.89	3.47	0.0	9.0
S3IFEARN	17991	2.88	3.55	0.0	9.0
S4IFEARN	21384	2.97	3.58	0.0	9.0
S5IFEARN	19578	3.02	3.61	0.0	9.0
S6IFEARN	18165	3.08	3.64	0.0	9.0
S7IFEARN	20129	3.06	3.60	0.0	9.0
S8IFEARN	18469	3.10	3.64	0.0	9.0
S9IFEARN	17217	3.19	3.68	0.0	9.0
S10IFEARN	22034	3.28	3.68	0.0	9.0
S11IFEARN	20554	3.27	3.68	0.0	9.0
S12IFEARN	18747	3.40	3.72	0.0	9.0
S13IFEARN	20912	3.52	3.72	0.0	9.0

Categorical Variable Codes

RwIFEARN: ImpFlag:R Earnings											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	3624	11307	11455	13423	12823	12365	12671	12312	11773	13407
1.No imputations	|	7595	6580	5343	6290	5387	4421	5844	4879	4321	6744
2.Some imputation	|	1338	1621	1067	1464	1231	1334	1525	1213	1048	1465
9.No Fin Resp	|	95	134	126	207	137	45	89	65	75	418
Value		w11	w12	w13							
0.No income	|	13044	12258	12570							
1.No imputations	|	5998	5172	6447							
2.Some imputation	|	1341	1118	1520							
9.No Fin Resp	|	171	199	375							
SwIFEARN: ImpFlag:Sp Earnings											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	2924	6895	7295	8456	7983	7588	7816	7513	7031	8057
1.No imputations	|	6089	5192	4128	4797	4035	3272	4319	3598	3128	4784
2.Some imputation	|	1171	1483	825	1078	930	963	1140	889	791	1067
8.No Sp/Part->no incm	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	104	86	185	93	36	77	52	62	327
Value		w11	w12	w13							
0.No income	|	7724	7055	7078							
1.No imputations	|	4225	3579	4411							
2.Some imputation	|	988	828	1084							
8.No Sp/Part->no incm	|	7474	7125	8024							
9.No Fin Resp	|	143	160	315							

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

For the HRS sample, RwIEARN is the sum of Respondent's wage/salary income, bonuses/overtime pay/commissions/tips, 2nd job or military reserve earnings, and professional practice or trade income. For the AHEAD sample, Wave 2A R2IEARN includes only the earnings income as asked and does not include specifics regarding bonuses, professional practice income, or second jobs. In Wave 3A, the calculation of R3IEARN includes wages, bonuses, and professional practice income but does not include income from a 2nd

job, as it was not asked in this wave. RwiFEARN is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

SwIEARN and SwIFEARN are the analogous spouse variables.

The individual components: RwiWAGE, RwiBON, Rwi2ND, RwiTRAD and their imputation flags (RwiFvar) are available in the RAND HRS Detailed Imputations File.

Cross Wave Differences in Original HRS Data

The components of earnings remain the same across all HRS waves. However, there are fewer specific questions for the AHEAD sample. In Wave 2A, Respondents are only asked about last year's earnings of all jobs combined. Wave 3A questions cover wages, bonuses and professional practice income but did not ask about income from a second job.

From Wave 2H forward, if the Respondent refuses or does not know the value of an income component, a series of unfolding bracket questions are asked. The bracket amounts and entry points for some components vary across waves. In Waves 1 and 2A, no unfolding bracket questions are asked.

HRS Variables Used

HRS 1992:

V15402	N2A:N4A:91:R1-PAY/SA:IND
V15403	N3:N5:91-R1-GROSS AM:IND
V15404	N6:1991:R2-PAY/SAL I:IND
V15405	N7:1991:R2 AMT REC:IND
V15406	N2B:N4B:91:R1-BONUS/:IND
V15407	N3:N5:91-R1-GROSS AM:IND
V15408	N6:1991:R2-BONUS/TIP:IND
V15409	N7:1991: R2 AMT RE:IND
V15410	N2C:N4C:91:R1-PRO IN:IND
V15411	N3:N5:91-R1-GROSS AM:IND
V15412	N6:1991:R2-PRO PRACT:IND
V15413	N7:1991: R2 AMT RE:IND
V15414	N2D:N4D:91:R1-OTH IN:IND
V15415	N3:N5:91-R1-GROSS AM:IND
V15416	N6:1991:R2-OTHER INC:IND
V15417	N7:1991:R2 AMT REC:IND
V5402	N2A:N4A:91:R1-PAY/SA:IMP
V5403	N3:N5:91:R1-GROS \$AM:IMP
V5404	N6:1991:R2-PAY/SAL I:IMP
V5405	N7:1991:R2-\$ AMT RE:IMP
V5406	N2B:N4B:91:R1-BONUS/:IMP
V5407	N3:N5:91:R1-GROS \$AM:IMP
V5408	N6:1991:R2-BONUS/TIP:IMP
V5409	N7:1991:R2-\$ AMT REC:IMP
V5410	N2C:N4C:91:R1-PRO IN:IMP
V5411	N3:N5:91:R1-GROS \$AM:IMP
V5412	N6:1991:R2-PRO PRACT:IMP
V5413	N7:1991:R2-\$ AMT RE:IMP
V5414	N2D:N4D:91:R1-OTH IN:IMP
V5415	N3:N5:91:R1-GROS \$AM:IMP
V5416	N6:1991:R2-OTHER INC:IMP
V5417	N7:1991:R2-\$ AMT RE:IMP

AHEAD 1993:

B1174	G1. WORKING CURRENTLY?
B1175	G1a. WORK LAST 2 YRS?
B1188	G7. CURR WORK: \$ EARNED LAST MONTH

B1189	G8. CURR WORK: \$ EARNED 1992-1993
B1227	G17. JOB LAST 2 YRS: TOT \$ EARN 1992/93
HRS 1994:	
W15912	N3a. Imputation flag
W15913	N4a1. Imputation flag
W15918	N3b. Imputation flag
W15919	N4b1. Imputation flag
W15924	N3c. Imputation flag
W15925	N4c1. Imputation flag
W15930	N3d. Imputation flag
W15931	N4d1. Imputation flag
W15936	N5a. Imputation flag
W15937	N6a1. Imputation flag
W15942	N7a. Imputation flag
W15943	N8a1. Imputation flag
W15948	N5b. Imputation flag
W15949	N6b1. Imputation flag
W15954	N7b. Imputation flag
W15955	N8b1. Imputation flag
W15960	N5c. Imputation flag
W15961	N6c1. Imputation flag
W15966	N7c. Imputation flag
W15967	N8c1. Imputation flag
W15972	N5d. Imputation flag
W15973	N6d1. Imputation flag
W15978	N7d. Imputation flag
W15979	N8d1. Imputation flag
W5912	N3a.R-WAGE/SALARY FROM J
W5913	N4a1.R-AMOUNT INCOME 199
W5914	N4a1. Brackets
W5918	N3b.R-INCOME FROM PROF P
W5919	N4b1.R-AMT INCOME FROM P
W5920	N4b1. Brackets
W5924	N3c.R-INCOME FROM BONUS
W5925	N4c1.R-AMT INCOME FROM B
W5926	N4c1. Brackets
W5930	N3d.R-INCOME FROM SECOND
W5931	N4d1.R-AMT INCOME FROM S
W5932	N4d1. Brackets
W5936	N5a.R-WAGE/SALARY FROM J
W5937	N6a1.R-AMOUNT INCOME 199
W5938	N6a1. Brackets
W5942	N7a.SP-WAGE/SALARY FROM
W5943	N8a1.SP-AMOUNT INCOME 19
W5944	N8a1. Brackets
W5948	N5b.R-INCOME FROM PROF P
W5949	N6b1.R-AMT INCOME FROM P
W5950	N6b1. Brackets
W5954	N7b.SP-INCOME FROM PROF
W5955	N8b1.SP-AMT INCOME FROM
W5956	N8b1. Brackets
W5960	N5c.R-INCOME FROM BONUS
W5961	N6c1.R-AMT INCOME FROM B
W5962	N6c1. Brackets
W5966	N7c.SP-INCOME FROM BONUS
W5967	N8c1.SP-AMT INCOME FROM
W5968	N8c1. Brackets
W5972	N5d.R-INCOME FROM SECOND
W5973	N6d1.R-AMT INCOME FROM S

W5974	N6d1. Brackets
W5978	N7d.SP-INCOME FROM SECON
W5979	N8d1.SP-AMT INCOME FROM
W5980	N8d1. Brackets
AHEAD 1995:	
D4534_2	J57A.R EARNINGS SELF EMP
D4534_3	J57A.R EARNINGS SELF EMP
D4534_4	J57A.R EARNINGS SELF EMP
D4536_2	J57B.R \$ EARNINGS LCY
D4536_3	J57B.R \$ EARNINGS LCY
D4536_4	J57B.R \$ EARNINGS LCY
D4537_2	J57B.DK-1
D4537_3	J57B.DK-1
D4537_4	J57B.DK-1
D4538_2	J57C.DK-2
D4538_3	J57C.DK-2
D4538_4	J57C.DK-2
D4539_2	J57D.DK-3
D4539_3	J57D.DK-3
D4539_4	J57D.DK-3
D4547_2	J58A.SP EARNINGS SELF EMP
D4547_3	J58A.SP EARNINGS SELF EMP
D4547_4	J58A.SP EARNINGS SELF EMP
D4549_2	J58B.SP \$ EARNINGS LCY
D4549_3	J58B.SP \$ EARNINGS LCY
D4549_4	J58B.SP \$ EARNINGS LCY
D4550_2	J58B.DK-1
D4550_3	J58B.DK-1
D4550_4	J58B.DK-1
D4551_2	J58C.DK-2
D4551_3	J58C.DK-2
D4551_4	J58C.DK-2
D4552_2	J58D.DK-3
D4552_3	J58D.DK-3
D4552_4	J58D.DK-3
HRS 1996:	
E3882	J7.R WAGES AND SALARY LCYEAR
E3883	J8.R HOW MUCH WAGES AND SALARY
E3884	J8A.R \$ WAGES AND SALARY DK-25K
E3885	J8B.R \$ WAGES AND SALARY DK-50K
E3886	J8C.R \$ WAGES AND SALARY DK-100K
E3887	J8D.R \$ WAGES AND SALARY DK-5K
E3889	J9.R PROF PRACTICE OR TRADE LCYEAR
E3890	J10.R HOW MUCH PROF PRACTICE OR TRADE
E3891	J10A.R \$ PROF PRAC TRADE DK-25K
E3892	J10B.R \$ PROF PRAC TRADE DK-50K
E3893	J10C.R \$ PROF PRAC TRADE DK-100K
E3894	J10D.R \$ PROF PRAC TRADE DK-5K
E3896	J11.R TIPS, BONUSES, COMMISSION LCYEAR
E3897	J11A.R HOW MUCH TIPS, BONUSES, COMMISSIO
E3898	J11B.R TIPS BONUS COMMS LCY DK-5K
E3899	J11C.R TIPS BONUS COMMS LCY DK-25K
E3900	J11D.R TIPS BONUS COMMS LCY DK-50K
E3901	J11E.R TIPS BONUS COMMS LCY DK-2.5K
E3902	J12.R 2ND JOB
E3903	J12A.HOW MUCH OTHER INCOME LCY
E3904	J12B.\$ OTHER INCOME LCY DK-5K
E3905	J12C.\$ OTHER INCOME LCY DK-25K
E3906	J12D.\$ OTHER INCOME LCY DK-50K

E3907	J12E.\$ OTHER INCOME LCY DK-2.5K
E3915	J15.SP WAGES AND SALARY LCYEAR
E3916	J16.SP HOW MUCH WAGES AND SALARY
E3917	J16A.SP \$ WAGES AND SALARY DK-25K
E3918	J16B.SP \$ WAGES AND SALARY DK-50K
E3919	J16C.SP \$ WAGES AND SALARY DK-100K
E3920	J16D.SP \$ WAGES AND SALARY DK-5K
E3922	J17.SP PROF PRACTICE OR TRADE LCYEAR
E3923	J18.SP HOW MUCH PROF PRACTICE OR TRADE
E3924	J18A.SP \$ PROF PRAC OR TRADE DK-25K
E3925	J18B.SP \$ PROF PRAC OR TRADE DK-50K
E3926	J18C.SP \$ PROF PRAC OR TRADE DK-100K
E3927	J18D.SP \$ PROF PRAC OR TRADE DK-5K
E3929	J19.SP TIPS, BONUSES, COMMISSION LCYEAR
E3930	J19A.SP HOW MUCH TIPS, BONUSES, COMMISSI
E3931	J19B.SP TIPS BONUS COMM LC_YR DK-5K
E3932	J19C.SP TIPS BONUS COMM LC_YR DK-25K
E3933	J19D.SP TIPS BONUS COMM LC_YR DK-50K
E3934	J19E.SP TIPS BONUS COMM LC_YR DK-2.5K
E3935	J20.SP 2ND JOB RECEIVE OTHER INCOME
E3936	J20A.SP HOW MUCH OTHER INCOME
E3937	J20B.SP \$ OTHER INCOME DK-20K
E3938	J20C.SP \$ OTHER INCOME DK-50K
E3939	J20D.SP \$ OTHER INCOME DK-100K
E3940	J20E.SP \$ OTHER INCOME DK-5K
HRS 1998:	
F4642	J7.R WAGES AND SALARY LCYEAR
F4643	J8.R HOW MUCH WAGES AND SALARY
F4644	J8A.R DK-5K
F4645	J8A.R DK-25,000
F4646	J8B.R DK-50,000
F4647	J8C.R DK-100,000
F4648	J8B.R DK-25,000
F4649	J8D.R DK-5,000
F4651	J9.R PROF PRACTICE OR TRADE LCYEAR
F4652	J10.R HOW MUCH PROF PRACTICE OR TRADE
F4653	J10A.R DK-25,000
F4654	J10B.R DK-50,000
F4655	J10C.R DK-100,000
F4656	J10D.R DK-5,000
F4657	J11.R TIPS, BONUSES, COMMISSION LCYEAR
F4658	J11A.R HOW MUCH TIPS, BONUSES, COMMISSIO
F4659	J11B.R DK-5,000
F4660	J11C.R DK-25,000
F4661	J11D.R DK-50,000
F4662	J11E.R DK-2,500
F4663	J12.R 2ND JOB
F4664	J12A.HOW MUCH OTHER INCOME LCY
F4665	J12B.R DK-5,000
F4666	J12C.R DK-25,000
F4667	J12D.R DK-50,000
F4668	J12E.R DK-2,500
F4675	J15.SP WAGES AND SALARY LCYEAR
F4676	J16.SP HOW MUCH WAGES AND SALARY
F4677	J16A.SP DK-25,000
F4678	J16B.SP DK-50,000
F4679	J16C.SP DK-100,000
F4680	J16D.SP DK-5,000
F4682	J17.SP PROF PRACTICE OR TRADE LCYEAR

F4683	J18.SP HOW MUCH PROF PRACTICE OR TRADE
F4684	J18A.SP DK-25,000
F4685	J18B.SP DK-50,000
F4686	J18C.SP DK-100,000
F4687	J18D.SP DK-5,000
F4689	J19.SP TIPS, BONUSSES, COMMISSION LCYEAR
F4690	J19A.SP HOW MUCH TIPS, BONUSSES, COMMISSI
F4691	J19B.SP DK-5K
F4692	J19C.SP DK-25K
F4693	J19D.SP DK-50K
F4694	J19E.SP DK-2.5K
F4695	J20.SP 2ND JOB RECEIVE OTHER INCOME
F4696	J20A.SP HOW MUCH OTHER INCOME
F4697	J20B.SP DK-20K
F4698	J20C.SP DK-50K
F4699	J20D.SP DK-100K
F4700	J20E.SP DK-5K
HRS 2000:	
G5081	J7.R WAGES AND SALARY LCYEAR
G5082	J8.R HOW MUCH WAGES AND SALARY
G5083	J8A.R DK-5K
G5084	J8Y1A.R DK-25000
G5085	J8B.R DK-50000
G5086	J8C.R DK-100000
G5087	J8Y1B.R DK-25000
G5088	J8D.R DK-5000
G5090	J9.R PROF PRACTICE OR TRADE LCYEAR
G5091	J10.R HOW MUCH PROF PRACTICE OR TRADE
G5092	J10A.R DK-25000
G5093	J10B.R DK-50000
G5094	J10C.R DK-100000
G5095	J10D.R DK-5000
G5096	J11.R RCV TIPS/BONUSSES/COMMISSION LCY
G5097	J11A.R AMT TIPS/BONUS/COMMISSION-LCY
G5098	J11B.R DK-5000
G5100	J11D.R DK-50000
G5101	J11E.R DK-2500
G5102	J12.R 2ND JOB
G5103	J12A.HOW MUCH OTHER INCOME LCY
G5104	J12B.R DK-5000
G5105	J12C.R DK-25000
G5106	J12D.R DK-50000
G5107	J12E.R DK-2500
G5114	J15.SP WAGES AND SALARY LCYEAR
G5115	J16.SP HOW MUCH WAGES AND SALARY
G5116	J16A.SP DK-25000
G5117	J16B.SP DK-50000
G5118	J16C.SP DK-100000
G5119	J16D.SP DK-5000
G5121	J17.SP PROF PRACTICE OR TRADE LCYEAR
G5122	J18.SP HOW MUCH PROF PRACTICE OR TRADE
G5123	J18A.SP DK-25000
G5124	J18B.SP DK-50000
G5125	J18C.SP DK-100000
G5126	J18D.SP DK-5000
G5128	J19.SP RCV TIPS/BONUS/COMMISSION LCY
G5129	J19A.SP AMT TIPS/BONUS/COMMISSION LCY
G5130	J19B.SP DK-5K
G5131	J19C.SP DK-25K

G5132	J19D.SP DK-50K
G5133	J19E.SP DK-2500
G5134	J20.SP 2ND JOB RECEIVE OTHER INCOME
G5135	J20A.SP HOW MUCH OTHER INCOME
G5136	J20B.SP DK-5K
G5137	J20C.SP DK-25K
G5138	J20D.SP DK-50K
G5139	J20E.SP DK-2500
HRS 2002-2016:	
xQ019	R WAGES AND SALARY INCOME - LCY
xQ020	R AMOUNT FROM WAGES AND SALARY LCY
xQ021	R AMT FROM WAGES AND SALARY - MIN
xQ022	R AMT FROM WAGES AND SALARY - MAX
xQ023	R AMT FROM WAGES AND SALARY - RESULT
xQ024	R INCOME FROM PROF PRAC OR TRADE - LCY
xQ025	R AMOUNT FROM PROF PRAC OR TRADE LCY
xQ026	R AMT FROM PROF PRAC OR TRADE - MIN
xQ027	R AMT FROM PROF PRAC OR TRADE - MAX
xQ028	R AMT FROM PROF PRAC OR TRADE - RESULT
xQ029	R INCOME FROM TIP BONUS COMMISSION - LCY
xQ030	R AMOUNT FROM TIP BONUS COMMISSION LCY
xQ031	R AMT FR TIP BONUS COMMISSION - MIN
xQ032	R AMT FR TIP BONUS COMMISSION - MAX
xQ033	R AMT FR TIP BONUS COMMISSION - RESULT
xQ034	R OTHER INCOME FROM WORK 2ND JOB - LCY
xQ035	R AMOUNT FROM WORK 2ND JOB LCY
xQ036	R AMT FROM WORK 2ND JOB - MIN
xQ037	R AMT FROM WORK 2ND JOB - MAX
xQ038	R AMT FROM WORK 2ND JOB - RESULT
xQ044	SP WAGES AND SALARY INCOME - LCY
xQ045	SP AMOUNT FROM WAGES AND SALARY LCY
xQ046	SP AMT FROM WAGES AND SALARY - MIN
xQ047	SP AMT FROM WAGES AND SALARY - MAX
xQ048	SP AMT FROM WAGES AND SALARY - RESULT
xQ049	SP INCOME FROM PROF PRAC TRADE - LCY
xQ050	SP AMOUNT FROM PROF PRAC TRADE LCY
xQ051	SP AMT FROM PROF PRAC TRADE - MIN
xQ052	SP AMT FROM PROF PRAC TRADE - MAX
xQ053	SP AMT FROM PROF PRAC TRADE - RESULT
xQ054	SP INCOME FROM TIP BONUS COMMISS - LCY
xQ055	SP AMOUNT FR TIP BONUS COMMISS LCY
xQ056	SP AMT FR TIP BONUS COMMISS - MIN
xQ057	SP AMT FR TIP BONUS COMMISS - MAX
xQ058	SP AMT FR TIP BONUS COMMISS - RESULT
xQ059	SP OTHER INC FROM WORK 2ND JOB - LCY
xQ060	SP AMOUNT FROM WORK 2ND JOB LCY
xQ061	SP AMT FROM WORK 2ND JOB - MIN
xQ062	SP AMT FROM WORK 2ND JOB - MAX
xQ063	SP AMT FROM WORK 2ND JOB - RESULT
Tracker:	
xFINR	1992-2016 WHETHER FINANCIAL RESPONDENT

Household Capital Income

Wave	Variable	Label	Type
1	H1ICAP	H1ICAP:W1 Income:Household Capital Income	Cont
2	H2ICAP	H2ICAP:W2 Income:Household Capital Income	Cont
3	H3ICAP	H3ICAP:W3 Income:Household Capital Income	Cont
4	H4ICAP	H4ICAP:W4 Income:Household Capital Income	Cont
5	H5ICAP	H5ICAP:W5 Income:Household Capital Income	Cont
6	H6ICAP	H6ICAP:W6 Income:Household Capital Income	Cont
7	H7ICAP	H7ICAP:W7 Income:Household Capital Income	Cont
8	H8ICAP	H8ICAP:W8 Income:Household Capital Income	Cont
9	H9ICAP	H9ICAP:W9 Income:Household Capital Income	Cont
10	H10ICAP	H10ICAP:W10 Income:Household Capital Income	Cont
11	H11ICAP	H11ICAP:W11 Income:Household Capital Income	Cont
12	H12ICAP	H12ICAP:W12 Income:Household Capital Income	Cont
13	H13ICAP	H13ICAP:W13 Income:Household Capital Income	Cont
1	H1IFCAP	H1IFCAP:W1 ImpFlag:Household Capital Inc	Categ
2	H2IFCAP	H2IFCAP:W2 ImpFlag:Household Capital Inc	Categ
3	H3IFCAP	H3IFCAP:W3 ImpFlag:Household Capital Inc	Categ
4	H4IFCAP	H4IFCAP:W4 ImpFlag:Household Capital Inc	Categ
5	H5IFCAP	H5IFCAP:W5 ImpFlag:Household Capital Inc	Categ
6	H6IFCAP	H6IFCAP:W6 ImpFlag:Household Capital Inc	Categ
7	H7IFCAP	H7IFCAP:W7 ImpFlag:Household Capital Inc	Categ
8	H8IFCAP	H8IFCAP:W8 ImpFlag:Household Capital Inc	Categ
9	H9IFCAP	H9IFCAP:W9 ImpFlag:Household Capital Inc	Categ
10	H10IFCAP	H10IFCAP:W10 ImpFlag:Household Capital Inc	Categ
11	H11IFCAP	H11IFCAP:W11 ImpFlag:Household Capital Inc	Categ
12	H12IFCAP	H12IFCAP:W12 ImpFlag:Household Capital Inc	Categ
13	H13IFCAP	H13IFCAP:W13 ImpFlag:Household Capital Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ICAP	12652	5358.94	21740.97	0.0	570000.0
H2ICAP	19642	8101.77	44148.25	0.0	3282668.8
H3ICAP	17991	13426.77	52542.55	0.0	2937839.4
H4ICAP	21384	14548.57	92701.44	0.0	7797767.0
H5ICAP	19578	14779.77	58455.89	0.0	3365000.0
H6ICAP	18165	13281.97	74406.49	0.0	7331745.0
H7ICAP	20129	13829.02	65366.46	0.0	3540169.9
H8ICAP	18469	18437.70	280897.05	0.0	25360120.0
H9ICAP	17217	17000.41	73292.33	0.0	3000480.0
H10ICAP	22034	12588.42	58144.33	0.0	3006600.0
H11ICAP	20554	13747.56	73288.33	0.0	3660036.0
H12ICAP	18747	15071.78	112197.81	0.0	9342700.0
H13ICAP	20912	15470.51	128702.76	0.0	10036000.0
H1IFCAP	12652	0.68	1.03	0.0	9.0
H2IFCAP	19642	0.72	1.02	0.0	9.0
H3IFCAP	17991	1.22	1.05	0.0	9.0
H4IFCAP	21384	1.25	1.13	0.0	9.0
H5IFCAP	19578	1.22	1.06	0.0	9.0
H6IFCAP	18165	1.20	0.94	0.0	9.0
H7IFCAP	20129	1.13	1.00	0.0	9.0
H8IFCAP	18469	1.12	0.97	0.0	9.0
H9IFCAP	17217	1.08	1.00	0.0	9.0
H10IFCAP	22034	1.03	1.37	0.0	9.0

H11IFCAP	20554	0.88	1.10	0.0	9.0
H12IFCAP	18747	0.90	1.16	0.0	9.0
H13IFCAP	20912	0.89	1.35	0.0	9.0

Categorical Variable Codes

HwIFCAP: ImpFlag:Household Capital Inc											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	6715	10011	4891	5820	5573	5354	6373	5986	5774	8585
1.No imputations	|	3995	6094	5182	5848	5083	4059	5401	4796	4738	7142
2.Some imputation	|	1847	3403	7792	9509	8785	8707	8266	7622	6630	5889
9.No Fin Resp	|	95	134	126	207	137	45	89	65	75	418

Value		w11	w12	w13
0.No income	|	9019	8034	9718
1.No imputations	|	6143	5941	6299
2.Some imputation	|	5221	4573	4520
9.No Fin Resp	|	171	199	375

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

HwICAP is the sum of household income received over the last calendar year, including business or farm income, self-employment earnings, gross rent, dividend and interest income, trust funds or royalties, and other asset income. In Waves 1 and 2H, gross rent is calculated from net rent plus rental expenses. HwIFCAP is a flag that indicates whether any components are imputed.

The components vary across waves because the survey questions ask about different components. From Wave 3-6, the components are the same, as is the case from Wave 7 forward. The components summed in each wave are:

H1ICAP sums income from business, rental property, dividend and interest, and trust fund or royalties.

H2ICAP sums income from business; stocks, bonds and other dividends; rental property; savings, CDs and other interest income; investment trusts; self-employment; and other investment income.

H3ICAP sums income from self-employment, business, rental property, stocks and mutual funds, bonds, CDs and treasury bills, checking and savings accounts, other assets, and trust fund or royalties.

H7ICAP contains the same components as those described for H3ICAP, except income from trust funds or royalties was not asked about from Wave 7 forward.

For income from business, there is a question beginning in Wave 3H that asks whether this income was reported earlier in the interview. If yes, the amount from business income is still imputed (or kept if an amount is present) but is NOT included in HwICAP, as it is assumed to be double-reported, usually as self-employment income.

The individual components: HwIBUSIN, HwIRNTIN, HwITRSIN, HwIDIVIN, HwIBNDIN, HwISTK, HwICHKIN, HwISAV, HwICDIN, HwIOTHIX and RWISEMP and their imputation flags are available in the RAND HRS Detailed Imputations File.

Cross Wave Differences in Original HRS Data

The components of household capital income vary across waves.

Income from self-employment is not asked in Waves 1 and 2A but is added in Wave 2H. In Wave 2H, if the Financial Respondent reported s/he (Respondent only) was self-employed in the last wave, then s/he is asked how much s/he received in 1993. Then the Financial Respondent is asked if s/he or her/his spouse has received any other income privately-held businesses, farms, professional practices, or partnerships owned or shared by the Respondent and spouse. As a result, if the spouse was self-employed last wave or if the Respondent is newly self-employed, s/he will skip the first question and so her/his self-employment income will be bundled with the business income.

From Wave 3 forward, self-employment income is reported for the Respondent and spouse separately. In Waves 1 and 2H, one question asks about total interest and dividend income. Beginning in Wave 3, the survey adds separate questions about interest from bonds, CDs or treasury bills, and checking, savings, or money market accounts. Also added in Wave 3 are questions about income from other assets.

Most income from assets from Wave 3 forward ask for an amount, how often received, and whether it is the same amount each period. If the same amount is not received each period, then the total amount received last calendar year is asked. If the same amount is received each period, then the amount is multiplied appropriately for the period to arrive at the total per year. Beginning in Wave 3, questions ask the income from assets immediately following questions on whether the asset is owned. If no asset is owned, then income from the asset is assumed to be zero. In Waves 1 and 2, income from assets questions are asked in a completely different section of the interview.

From Wave 2H forward, with the exception of trust fund income, if the Respondent refuses or does not know the value of an income component a series of unfolding bracket questions are asked. The bracket amounts for income from business, rental property, and dividends or interest change from Wave 2H to 3. The entry points for some components vary across waves. In Waves 1 and 2A, no unfolding bracket questions are asked.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income." After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive income from stocks?).

In Wave 2A, Financial Respondents are next asked the following questions about their own income and then are asked about their spouse's income:

- a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"
- b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

- 4.IRA DISTRIBUTION
- 5.STOCKS AND BONDS
- 7.OTHER
- 8.DK
- 9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current (other) regular incomes. Then they are asked:

- a) "Did you receive any other regular income in [last calendar year] that you no longer receive?"
- b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 (other) regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of an income like pensions or stocks. Besides pensions and annuities, other waves allow only one reported amount for most income categories, so that a Respondent would give a total of all dividend income received.

Financial Respondents are then asked the following questions about their household income:

- a) "(Aside from anything you have already told me about,) Do you (or your (husband/wife/partner)) receive any income from financial investments like savings accounts, CDs, stocks and bonds, rental property, or investment trusts?"
- b) "What do you receive the largest income from?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

- 1.SAVINGS ACCOUNTS/CDs/INTEREST
- 2.STOCKS OR BONDS/DIVIDENDS
- 3.RENTAL PROPERTY
- 4.INVESTMENT TRUSTS
- 5.RELATIVE
- 7.OTHER
- 8.DK
- 9.RF

This set of questions is repeated once so that Respondents can report up to 2 current household investment incomes. Then they are asked:

- a) "Did you (or your (husband/wife/partner)) receive any income from savings or investments in [last calendar year] that you no longer receive?"
- b) "What did you receive that income from?"

So there are a total of 3 household investment incomes that can be reported. Categories may be specified more than once, and there are up to 2 different instances of an income like savings.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

Resulting Wave 2A Household Capital Income components:

Respondent/Spouse or Partner (R/S)

STK1-3

Household (H)

SAV1-2
 STK1-2
 RNT1-2
 TRS1-2
 OTHI4-5

Please note that Wave 2A IRA distributions are now grouped with IRA withdrawals and are no longer included in H2ICAP, as they were in previous versions of this file. See the "IRA Withdrawals" section for more information.

In Wave 6, the introductory question wording for real estate ownership differs from previous waves. Up until Wave 6, the question reads:

"Do you (or your husband/or your wife/or your partner/...) have any real estate (other than your main home or second home), such as land, rental real estate, a partnership, or money owed to you on a land contract or mortgage?"

The new question wording is as follows:

"Do you and (your (husband/wife/partner)) have any real estate (other than your main home or second home/other than your main home/other than your second home,) such as land, rental real estate, or money owed to you on a land contract or mortgage? Please do not include business or farm real estate."

From Wave 7 forward, income from trust funds or royalties was not asked about. Therefore, this type of income is not included amongst the components that are used to derive household capital income.

HRS Variables Used

HRS 1992:

V15904	N38A:OTHR INCME:FARM:IND
V15905	N39A:OTHR INC AMT :IND
V15906	N38B:OTHR INCME:RENT:IND
V15907	N39B:OTHR INCME AMT :IND
V15908	N40B:OTHER INCME NET:IND
V15909	N40B:OTHR INCME EXP :IND
V15910	N38C:OTHR INCME:INTE:IND
V15911	N39C:OTHR INCME AMT :IND
V15912	N38D:OTHR INCME:TRST:IND
V15913	N39D:OTHR INCME AMT :IND
V5904	N38A:OTHR INCME:FARM:IMP
V5905	N39A:OTHR INCME: AM:IMP
V5906	N38B:OTHR INCME:RENT:IMP
V5907	N39B:OTHR INCME: AM:IMP
V5908	N40B:OTHR INCME:NET :IMP
V5909	N40Bb:OTHR INCM: EX:IMP
V5910	N38C:OTHR INCME:INTE:IMP
V5911	N39C:OTHR INCME: AM:IMP
V5912	N38D:OTHR INCME:TRST:IMP
V5913	N39D:OTHR INCME: AM:IMP

AHEAD 1993:

B1456	J19. R REG INC: RECEIVE ANY
B1457	J20-1. R REG INC: TYPE-1
B1458	J21-1. R REG INC: PAID PER MONTH-1
B1459	J21b-1. R REG INC: \$ PERIOD-1
B1460	J21c-1. R REG INC: \$ LAST PERIOD-1

B1462 J21e-1. R REG INC: START >2YRS AGO-1
B1463 J21f-1. R REG INC: START MONTH-1
B1464 J21g-1. R REG INC: START YEAR-1
B1473 J26-1. R REG INC: ANY OTHER-1
B1475 J20-2. R REG INC: TYPE-2
B1476 J21-2. R REG INC: PAID PER MONTH-2
B1477 J21b-2. R REG INC: \$ PERIOD-2
B1478 J21c-2. R REG INC: \$ LAST PERIOD-2
B1480 J21e-2. R REG INC: START >2YRS AGO-2
B1481 J21f-2. R REG INC: START MONTH-2
B1482 J21g-2. R REG INC: START YEAR-2
B1491 J26-2. R REG INC: ANY OTHER-2
B1492 J20-3. R REG INC: TYPE-3
B1493 J21-3. R REG INC: PAID PER MONTH-3
B1494 J21b-3. R REG INC: \$ PERIOD-3
B1495 J21c-3. R REG INC: \$ LAST PERIOD-3
B1497 J21e-3. R REG INC: START >2YRS AGO-3
B1498 J21f-3. R REG INC: START MONTH-3
B1499 J21g-3. R REG INC: START YEAR-3
B1508 J27. R REG INC: ANY END 1992/3
B1509 J27a. R REG INC END1992/3: TYPE
B1510 J28. R REG INC END 1992/3: PAID PER MO
B1511 J28a. R REG INC END 1992/3: \$ PERIOD
B1512 J28b. R REG INC END1992/3: \$ LAST PERIOD
B1513 J28c. R REG INC END92/3: LAST MO RECD
B1514 J28d. R REG INC END92/3: LAST YR RECD
B1515 J29. SP REG INC: RECEIVE ANY
B1517 J30-1. SP REG INC: TYPE-1
B1518 J31-1. SP REG INC: PAID PER MONTH-1
B1519 J31b-1. SP REG INC: \$ PERIOD-1
B1520 J31c-1. SP REG INC: \$ LAST PERIOD-1
B1522 J31e-1. SP REG INC: START >2YRS AGO-1
B1523 J31f-1. SP REG INC: START MONTH-1
B1524 J31g-1. SP REG INC: START YEAR-1
B1533 J36-1. SP REG INC: ANY OTHER-1
B1539 J30-2. SP REG INC: TYPE-2
B1540 J31-2. SP REG INC: PAID PER MONTH-2
B1541 J31b-2. SP REG INC: \$ PERIOD-2
B1542 J31c-2. SP REG INC: \$ LAST PERIOD-2
B1544 J31e-2. SP REG INC: START >2YRS AGO-2
B1545 J31f-2. SP REG INC: START MONTH-2
B1546 J31g-2. SP REG INC: START YEAR-2
B1555 J36-2. SP REG INC: ANY OTHER-2
B1560 J30-3. SP REG INC: TYPE-3
B1561 J31-3. SP REG INC: PAID PER MONTH-3
B1562 J31b-3. SP REG INC: \$ PERIOD-3
B1563 J31c-3. SP REG INC: \$ LAST PERIOD-3
B1565 J31e-3. SP REG INC: START >2YRS AGO-3
B1566 J31f-3. SP REG INC: START MONTH-3
B1567 J31g-3. SP REG INC: START YEAR-3
B1576 J37. SP REG INC: ANY END 92/93
B1577 J37a. SP REG INC END 92/93: TYPE
B1578 J37b. SP REG INC END 92/93: LAST MO RECD
B1579 J37b. SP REG INC END 92/93: LAST YR RECD
B1580 J37c. SP REG INC END 92/93: PAID PER MO
B1581 J37d. SP REG INC END 92/93: \$ PERIOD
B1582 J37e. SP REG INC END 92/93: \$ LST PERIOD
B1583 J40-1. INVEST INC: RECEIVE ANY-1
B1584 J41-1. INVEST INC: TYPE-1

B1585	J42-1. INVEST INC: \$ PERIOD-1
B1586	J42a-1. INVEST INC: \$ LAST PERIOD-1
B1587	J42b-1. INVEST INC: TOTAL \$ PD 1992/3-1
B1588	J42c-1. INVEST INC: 1992/3 \$ PERIOD-1
B1589	J40-2. INVEST INC: RECEIVE ANY-2
B1590	J41-2. INVEST INC: TYPE-2
B1591	J42-2. INVEST INC: \$ PERIOD-2
B1592	J42a-2. INVEST INC: \$ LAST PERIOD-2
B1593	J42b-2. INVEST INC: TOTAL \$ PD 1992/3-2
B1594	J42c-2. INVEST INC: 1992/3 \$ PERIOD-2
B1595	J43. INVEST INC: ANY END 1992/3
B1596	J43a. INVEST INC END 1992/3: TYPE
B1597	J43b. INVES INC END 92/3: LAST MO RECD-1
B1598	J43c. INVES INC END 92/3: LAST YR RECD-2
B1599	J43d. INVEST INC END1992/3: \$ LAST MO
HRS 1994:	
W15900	N1. Imputation flag
W15901	N1a. Imputation flag
W15906	N2. Imputation flag
W15907	N2a. Imputation flag
W16287	N28a. Imputation flag
W16288	N29a1. Imputation flag
W16295	N28b. Imputation flag
W16296	N29b1. Imputation flag
W16301	N28c. Imputation flag
W16302	N29c1. Imputation flag
W5900	N1.SELF-EMPLOYMENT INCOM
W5901	N1a.AMOUNT SELF-EMPLOYME
W5902	N1a1. Brackets
W5906	N2.INCOME FROM BUSINESS/
W5907	N2a.AMOUNT BUSINESS INCO
W5908	N2a1. Brackets
W6287	N28a.RENTAL INCOME IN 19
W6288	N29a1.AMT RENTAL INCOME
W6289	N29a1. Brackets
W6293	N29-x1.BEFORE/AFTER EXPE
W6294	N29-x2.EXPENSES IN 1993
W6295	N28b.DIVIDEND/INTEREST I
W6296	N29b1.AMOUNT DIVIDEND/IN
W6297	N29b1. Brackets
W6301	N28c.INCOME FROM TRUST F
W6302	N29c1.AMT TRUST FUND/ROY
AHEAD 1995:	
D3983	J16.RENTAL INCOME
D3984	J16A.RENTAL OFTEN PAID
D3985	J16B.RENTAL RECEIVE \$ PERIOD
D3986	J16BA.RENTAL RECEIVE SAME AMOUNT
D3987	J16C.RENTAL RECEIVE \$ LCYEAR
D3989	J16E.RENTAL INCOME DK-1
D3990	J16F.RENTAL INC DK-2
D3991	J16G.RENTAL INC DK-3
D3992	J16H.RENTAL INC DK-4
D4024	J19.BUSINESS INCOME
D4025	J19A.BUSINESS INC OFTEN PAID
D4026	J19B.BUSINESS INC RECEIVE \$ PERIOD
D4027	J19C.BUSINESS INC SAME
D4029	J19D.BUS/FARM INCOME \$ LCYEAR
D4030	J19E.BUSINESS INCOME DK-1
D4031	J19F.BUSINESS INC DK-2

D4032	J19G.BUSINESS INC DK-3
D4033	J19H.BUSINESS INC DK-4
D4357	J38.STOCKS INCOME
D4358	J38A.STOCK INC OFTEN
D4359	J38B.STOCK INCOME \$ PERIOD
D4361	J38D.STOCK INCOME LCY
D4363	J38E.STOCK INCOME DK-1
D4364	J38F.STOCK INC DK-2
D4365	J38G.STOCK INC DK-3
D4400	J42.BONDS INCOME
D4401	J42A.BOND INC OFTEN
D4402	J42B.BOND INCOME \$ PERIOD
D4403	J42C.BOND INCOME SAME
D4404	J42D.BOND INCOME LCY
D4406	J42E.BOND INCOME DK-1
D4407	J42F.BOND INC DK-2
D4408	J42G.BOND INC DK-3
D4440	J45.CHECKING, SAVINGS INCOME
D4441	J45A.CHECKING INC OFTEN
D4442	J45B.CHECKING INCOME \$ PERIOD
D4443	J45C.CHECKING INCOME SAME
D4444	J45D.SAVINGS INTEREST LCY
D4445	J45E.CHECKING, SAVING INCOME DK-1
D4446	J45F.CHECKING, SAVING INC DK-2
D4447	J45G.CHECKING, SAVING INC DK-3
D4482	J49.CDS INCOME
D4483	J49A.CD INC OFTEN
D4484	J49B.CD INCOME \$ PERIOD
D4485	J49C.CD INCOME SAME
D4486	J49D.CD INCOME LCY
D4488	J49E.CD INCOME DK-1
D4489	J49F.CD INC DK-2
D4490	J49G.CD INC DK-3
D4517	J54.OTHER ASSETS INCOME
D4518	J55.OTHER ASSETS INCOME \$
D4519	J55A.J55-DK 1
D4520	J55B.J55-DK 2
D4521	J55C.J55 DK-3
D4522	J55D.J55-DK 4
D4523	J55E.J55 DK-5
D4524	J55F.J55-DK 6
D4534_1	J57A.R EARNINGS SELF EMP
D4536_1	J57B.R \$ EARNINGS LCY
D4537_1	J57B.DK-1
D4538_1	J57C.DK-2
D4539_1	J57D.DK-3
D4540_1	J57E.REPORT PREVIOUS
D4547_1	J58A.SP EARNINGS SELF EMP
D4549_1	J58B.SP \$ EARNINGS LCY
D4550_1	J58B.DK-1
D4551_1	J58C.DK-2
D4552_1	J58D.DK-3
D4562	J60.TRUST FUND INCOME
D4563	J60A. TRUST FUNDS \$ 1994
HRS 1996:	
E3871	J1.R OR SP WORK FOR PAY LCYEAR
E3875	J5.R SELF-EMPLOYMENT LCYEAR
E3876	J6. R SELF-EMPLOYMENT INCOME AMOUNT
E3877	J6A.R \$ SELF-EMPLOYMENT DK-10K

E3878	J6B.R \$ SELF-EMPLOYMENT DK-25K
E3879	J6C.R \$ SELF-EMPLOYMENT DK-100K
E3880	J6D.R \$ SELF-EMPLOYMENT DK-5K
E3908	J13.SP SELF-EMPLOYMENT LCYEAR
E3909	J14.SP HOW MUCH SELF-EMPLOYMENT
E3910	J14A.SP \$ SELF-EMPLOYMENT DK-10K
E3911	J14B.SP \$ SELF-EMPLOYMENT DK-25K
E3912	J14C.SP \$ SELF-EMPLOYMENT DK-100K
E3913	J14D.SP \$ SELF-EMPLOYMENT DK-5K
E4070	J76.REAL ESTATE
E4085	J78.RENTAL INCOME
E4086	J79.RENTAL OFTEN PAID
E4087	J80.RENTAL RECEIVE \$ PERIOD
E4088	J81.RENTAL RECEIVE SAME AMOUNT
E4089	J82.RENTAL RECEIVE \$ LCYEAR
E4091	J82A.RENTAL RECEIVE \$ LC_YR DK-50K
E4092	J82B.RENTAL RECEIVE \$ LC_YR DK-75K
E4093	J82C.RENTAL RECEIVE \$ LC_YR DK-25K
E4096	J83.OWN BUSINESS OR FARM
E4112	J85.BUSINESS INCOME
E4113	J86.BUSINESS INC OFTEN PAID
E4114	J87.BUSINESS INC RECEIVE \$ PERIOD
E4115	J88.BUSINESS INC SAME
E4117	J89.BUS/FARM INCOME \$ LCYEAR
E4118	J89A.BUS/FARM INCOME \$ LC_YR DK-20K
E4119	J89B.BUS/FARM INCOME \$ LC_YR DK-50K
E4120	J89C.BUS/FARM INCOME \$ LC_YR DK-5K
E4121	J89D.BUS/FARM INCOME \$ LC_YR DK-2K
E4122	J89E.BUSINESS TELL EARLIER
E4339	J207.STOCK ASSETS
E4358	J209.STOCKS INCOME
E4359	J210.STOCK INC OFTEN
E4360	J211.STOCK INC RECEIVE \$ PERIOD
E4361	J212.STOCK INC SAME
E4362	J213.STOCK INCOME \$ LCYEAR
E4364	J213A.STOCK INCOME \$ LC_YR DK-5K
E4365	J213B.STOCK INCOME \$ LC_YR DK-2
E4366	J213C.STOCK INCOME \$ LC_YR DK-1K
E4382	J215.BOND ASSETS
E4401	J217.BONDS INCOME
E4402	J218.BONDS INC OFTEN PAID
E4403	J219.BONDS INC RECEIVE \$ PERIOD
E4404	J220.BONDS INC SAME
E4405	J221.BOND INCOME \$ LCYEAR
E4407	J221A.BOND INCOME \$ LC_YR DK-5K
E4408	J221B.BOND INCOME \$ LC_YR DK-20K
E4409	J221C.BOND INCOME \$ LC_YR DK-1K
E4425	J222.CHECKING,SAVING ASSETS
E4441	J224.CHECKING, SAVINGS INCOME
E4442	J225.CHECKING INC OFTEN
E4443	J226.CHECKING INC RECEIVE \$ PERIOD
E4444	J227.CHECKING INC SAME
E4445	J228.CHECKING INCOME \$ LCYEAR
E4446	J228A.CHKNG INCOME \$ LC_YR DK-2
E4447	J228B.CHKNG INCOME \$ LC_YR DK-5K
E4448	J228C.CHKNG INCOME \$ LC_YR DK-1K
E4464	J229.CD,TBILL ASSETS
E4483	J232.CDS INCOME
E4484	J233.CD INC OFTEN

E4485	J234.CD INC RECEIVE \$ PERIOD
E4486	J235.CD INC SAME
E4487	J236.CD INCOME \$ LCYEAR
E4489	J236A.CD INCOME \$ LC_YR DK-2K
E4490	J236B.CD INCOME \$ LC_YR DK-5K
E4491	J236C.CD INCOME \$ LC_YR DK-1K
E4513	J239.OTHER ASSETS
E4515	J240A.OTHER ASSETS DK-50K
E4519	J242.OTHER ASSETS INCOME \$
E4520	J242A.OTHER ASSETS INCOME \$ DK-5K
E4521	J242B.OTHER ASSETS INCOME \$ DK-25K
E4522	J242C.OTHER ASSETS INCOME \$ DK-1K
E4563	J244.TRUST FUND INCOME LCY
E4564	J245.TRUST FUNDS \$LCY
HRS 1998:	
F4633	J5.R SELF-EMPLOYMENT LCYEAR
F4634	J6.R HOW MUCH SELF-EMPLOYMENT
F4635	J6A.R DK-5K
F4636	J6A.R DK-10,000
F4637	J6B.R DK-25,000
F4638	J6C.R DK-100,000
F4639	J6B.R DK-10,000
F4640	J6D.R DK-5,000
F4669	J13.SP SELF-EMPLOYMENT LCYEAR
F4670	J14.SP HOW MUCH SELF-EMPLOYMENT
F4671	J14A.SP DK-10,000
F4672	J14B.SP DK-25,000
F4673	J14C.SP DK-100,000
F4674	J14D.SP DK-5,000
F4830	J76.REAL ESTATE
F4845	J78.RENTAL INCOME
F4846	J79.RENTAL OFTEN PAID
F4847	J80.RENTAL RECEIVE \$ PERIOD
F4848	J81.RENTAL RECEIVE SAME AMOUNT
F4849	J82.RENTAL RECEIVE \$ LCYEAR
F4851	J82A.RENTAL INCOME DK-50,000
F4852	J82B.RENTAL INC DK-75,000
F4853	J82C.RENTAL INC DK-25,000
F4856	J83.BUSINESS
F4872	J85.BUSINESS INCOME
F4873	J86.BUSINESS INC OFTEN PAID
F4874	J87.BUSINESS INC RECEIVE \$ PERIOD
F4875	J88.BUSINESS INC SAME
F4877	J89.BUS/FARM INCOME \$ LCYEAR
F4878	J89A.BUSINESS INCOME DK-20,000
F4879	J89B.BUSINESS INC DK-50,000
F4880	J89C.BUSINESS INC DK-5,000
F4881	J89D.BUSINESS INC DK-2,000
F4882	J89E.BUSINESS TELL EARLIER
F5099	J207.STOCK ASSETS
F5118	J209.STOCKS INCOME
F5119	J210.STOCK INC OFTEN
F5120	J211.STOCK INC RECEIVE \$ PERIOD
F5121	J212.STOCK INC SAME
F5122	J213.STOCK INCOME \$ LCYEAR
F5124	J213A.STOCK INCOME DK-5K
F5125	J213B.STOCK INC DK-25K
F5126	J213C.STOCK INC DK-1K
F5142	J215.BOND ASSETS

F5161	J217.BONDS INCOME
F5162	J218.BONDS INC OFTEN PAID
F5163	J219.BONDS INC RECEIVE \$ PERIOD
F5164	J220.BONDS INC SAME
F5165	J221.BOND INCOME \$ LCYEAR
F5167	J221A.BOND INCOME DK-5K
F5168	J221B.BOND INC DK-20K
F5169	J221C.BOND INC DK-1K
F5185	J222.CHECKING, SAVING ASSETS
F5201	J224.CHECKING, SAVINGS INCOME
F5202	J225.CHECKING INC OFTEN
F5203	J226.CHECKING INC RECEIVE \$ PERIOD
F5204	J227.CHECKING INC SAME
F5205	J228.CHECKING INCOME \$ LCYEAR
F5206	J228A.CHECKING, SAVING INCOME DK-2
F5207	J228B.CHECKING, SAVING INC DK-5K
F5208	J228C.CHECKING, SAVING INC DK-1K
F5224	J229.CD,TBILL ASSETS
F5243	J232.CDS INCOME
F5244	J233.CD INC OFTEN
F5245	J234.CD INC RECEIVE \$ PERIOD
F5246	J235.CD INC SAME
F5247	J236.CD INCOME \$ LCYEAR
F5249	J236A.CD INCOME DK-2K
F5250	J236B.CD INC DK-5K
F5251	J236C.CD INC DK-1K
F5273	J239.OTHER ASSETS
F5282	J241.OTHER ASSETS INCOME
F5283	J242.OTHER ASSETS INCOME \$
F5284	J242A.DK-5K
F5285	J242B.DK-25K
F5286	J242C.DK-1K
F5323	J244.TRUST FUND INCOME LCY
F5324	J245.TRUST FUNDS \$LCY
HRS 2000:	
G5072	J5.R SELF-EMPLOYMENT LCYEAR
G5073	J6.R HOW MUCH SELF-EMPLOYMENT
G5074	J6A.R DK-5K
G5075	J6Y1A.R DK-10000
G5076	J6B.R DK-25000
G5077	J6C.R DK-100000
G5078	J6Y1B.R DK-10000
G5079	J6D.R DK-5000
G5108	J13.SP SELF-EMPLOYMENT LCYEAR
G5109	J14.SP HOW MUCH SELF-EMPLOYMENT
G5110	J14A.SP DK-10000
G5111	J14B.SP DK-25000
G5112	J14C.SP DK-100000
G5113	J14D.SP DK-5000
G5275	J76.REAL ESTATE
G5290	J78.RENTAL INCOME
G5291	J79.RENTAL OFTEN PAID
G5292	J80.RENTAL RECEIVE \$ PERIOD
G5293	J81.RENTAL RECEIVE SAME AMOUNT
G5294	J82.RENTAL RECEIVE \$ LCYEAR
G5296	J82A.RENTAL INCOME DK-50000
G5297	J82B.RENTAL INC DK-75000
G5298	J82C.RENTAL INC DK-25000
G5301	J83.BUSINESS

G5317	J85.BUSINESS INCOME
G5318	J86.BUSINESS INC OFTEN PAID
G5319	J87.BUSINESS INC RECEIVE \$ PERIOD
G5320	J88.BUSINESS INC SAME
G5322	J89.BUS/FARM INCOME \$ LCYEAR
G5323	J89A.BUSINESS INCOME DK-20000
G5324	J89B.BUSINESS INC DK-50000
G5325	J89C.BUSINESS INC DK-5000
G5326	J89D.BUSINESS INC DK-2000
G5327	J89E.BUSINESS TELL EARLIER
G5554	J207.STOCK ASSETS
G5568	J209.STOCKS INCOME
G5569	J210.STOCK INC OFTEN
G5570	J211.STOCK INC RECEIVE \$ PERIOD
G5571	J212.STOCK INC SAME
G5572	J213.STOCK INCOME \$ LCYEAR
G5574	J213A.STOCK INCOME DK-5K
G5575	J213B.STOCK INC DK-25K
G5576	J213C.STOCK INC DK-1K
G5587	J215.BOND ASSETS
G5602	J217.BONDS INCOME
G5603	J218.BONDS INC OFTEN PAID
G5604	J219.BONDS INC RECEIVE \$ PERIOD
G5605	J220.BONDS INC SAME
G5606	J221.BOND INCOME \$ LCYEAR
G5608	J221A. BOND INCOME DK-5K
G5609	J221B.BOND INC DK-20K
G5610	J221C.BOND INC DK-1K
G5620	J222.CHECKING-SAVING ASSETS
G5636	J224.CHECKING-SAVINGS INCOME
G5637	J225.CHECKING INC OFTEN
G5638	J226.CHECKING INC RECEIVE \$ PERIOD
G5639	J227.CHECKING INC SAME
G5640	J228.CHECKING INCOME \$ LCYEAR
G5641	J228A.CHECKING-SAVING INCOME DK-2K
G5642	J228B.CHECKING-SAVING INC DK-5K
G5643	J228C.CHECKING-SAVING INC DK-1K
G5650	J229.CD-TBILL ASSETS
G5664	J232.CDS INCOME
G5665	J233.CD INC OFTEN
G5666	J234.CD INC RECEIVE \$ PERIOD
G5667	J235.CD INC SAME
G5668	J236.CD INCOME \$ LCYEAR
G5670	J236A.CD INCOME DK-2K
G5671	J236B.CD INC DK-5K
G5672	J236C.CD INC DK-1K
G5694	J239.OTHER ASSETS
G5703	J241.OTHER ASSETS INCOME
G5704	J242.OTHER ASSETS INCOME \$
G5705	J242A.DK-5K
G5706	J242B.DK-25K
G5707	J242C.DK-1K
G5717	J244.TRUST FUND INCOME LCY
G5718	J245.TRUST FUNDS AMT RCV-LCY
HRS 2002:	
HQ385	TRUST OR ROYALTIES INCOME
HQ386	TRUSTS INCOME AMOUNT - LCY
HRS 2002-2016:	
xQ014	R INCOME FROM WORK SELF EMPL - LCY

xQ015	R AMOUNT FROM WORK SELF EMPL LCY
xQ016	R INCOME FROM SELF EMPLOYMENT - MIN
xQ017	R INCOME FROM SELF EMPLOYMENT - MAX
xQ018	R INCOME FROM SELF EMPLOYMENT - RESULT
xQ039	SP INCOME FROM SELF EMPLOYMENT - LCY
xQ040	SP AMOUNT FROM SELF EMPL INCOME LCY
xQ041	SP INC FROM SELF EMPL INC - MIN
xQ042	SP INC FROM SELF EMPL INC - MAX
xQ043	SP INC FROM SELF EMPL INC - RESULT
xQ133	REAL ESTATE ASSET
xQ138	RENTAL INCOME FROM THIS PROPERTY
xQ139	RENTAL INCOME RECEIVE HOW OFTEN
xQ141	RENTAL INCOME AMOUNT LAST PERIOD
xQ142	RENTAL INC SAME AMOUNT PER PERIOD
xQ143	RENTAL INCOME AMOUNT - LCY
xQ144	RENTAL INCOME AMT - MIN
xQ145	RENTAL INCOME AMT - MAX
xQ146	RENTAL INCOME AMT - RESULT
xQ147	BUSINESS OR FARM ASSETS
xQ152	BUSINESS OR FARM INCOME
xQ153	BUSINESS OR FARM INC RECEIVE HOW OFTEN
xQ155	BUSINESS OR FARM INC AMT LAST PERIOD
xQ156	BUSINESS OR FARM INC SAME AMT PER PERIOD
xQ157	BUSINESS OR FARM INC - LCY
xQ158	BUSINESS OR FARM INC - MIN
xQ159	BUSINESS OR FARM INC - MAX
xQ160	BUSINESS OR FARM INC - RESULT
xQ161	BUSINESS INC REPORTED EARLIER IN IW
xQ316	STOCK AND STOCK MUTUAL FUNDS
xQ321	STOCK INCOME
xQ322	STOCK INCOME HOW OFTEN
xQ324	STOCK INCOME AMOUNT LAST PERIOD
xQ325	STOCK INCOME AMOUNT SAME PER PERIOD
xQ326	STOCK INCOME AMOUNT - LCY
xQ327	STOCK INCOME AMOUNT - MIN
xQ328	STOCK INCOME AMOUNT - MAX
xQ329	STOCK INCOME AMOUNT - RESULT
xQ330	BOND ASSETS
xQ335	BOND ASSET INTEREST INCOME
xQ336	BOND INCOME HOW OFTEN
xQ338	BOND INCOME AMOUNT LAST PERIOD
xQ339	BOND INCOME AMOUNT SAME PER PERIOD
xQ340	BOND INCOME AMOUNT - LCY
xQ341	BOND INCOME AMOUNT - MIN
xQ342	BOND INCOME AMOUNT - MAX
xQ343	BOND INCOME AMOUNT - RESULT
xQ344	CHECKING SAVINGS MARKET FUNDS
xQ349	CHECKING INTEREST INCOME
xQ350	CHECKING INCOME HOW OFTEN
xQ352	CHECKING INCOME LAST PERIOD
xQ353	CHECKING INCOME PER PERIOD
xQ354	CHECKING INCOME AMOUNT - LCY
xQ356	CDS GOVT SAVINGS TBILLS
xQ361	CDS INTEREST INCOME
xQ362	CDS INCOME HOW OFTEN
xQ364	CDS INCOME LAST PERIOD
xQ365	CDS INCOME SAME PER PERIOD
xQ366	CDS INCOME AMOUNT - LCY
xQ367	CDS INCOME AMOUNT - MIN

xQ368	CDS INCOME AMOUNT - MAX
xQ369	CDS INCOME AMOUNT - RESULT
xQ375	OTHER ASSETS
xQ380	OTHER ASSET INCOME
xQ381	OTHER ASSET INCOME AMOUNT
xQ382	OTHER ASSET INCOME - MIN
xQ383	OTHER ASSET INCOME - MAX
xQ384	OTHER ASSET INCOME - RESULT
xQ494	CHECKING INCOME - MIN
xQ495	CHECKING INCOME - MAX
xQ496	CHECKING INCOME - RESULT

Individual Income from Employer Pension or Annuity

Wave	Variable	Label	Type
1	R1IPENA	R1IPENA:W1 Income:R Pension + Annuity	Cont
2	R2IPENA	R2IPENA:W2 Income:R Pension + Annuity	Cont
3	R3IPENA	R3IPENA:W3 Income:R Pension + Annuity	Cont
4	R4IPENA	R4IPENA:W4 Income:R Pension + Annuity	Cont
5	R5IPENA	R5IPENA:W5 Income:R Pension + Annuity	Cont
6	R6IPENA	R6IPENA:W6 Income:R Pension + Annuity	Cont
7	R7IPENA	R7IPENA:W7 Income:R Pension + Annuity	Cont
8	R8IPENA	R8IPENA:W8 Income:R Pension + Annuity	Cont
9	R9IPENA	R9IPENA:W9 Income:R Pension + Annuity	Cont
10	R10IPENA	R10IPENA:W10 Income:R Pension + Annuity	Cont
11	R11IPENA	R11IPENA:W11 Income:R Pension + Annuity	Cont
12	R12IPENA	R12IPENA:W12 Income:R Pension + Annuity	Cont
13	R13IPENA	R13IPENA:W13 Income:R Pension + Annuity	Cont
1	S1IPENA	S1IPENA:W1 Income:Sp Pension + Annuity	Cont
2	S2IPENA	S2IPENA:W2 Income:Sp Pension + Annuity	Cont
3	S3IPENA	S3IPENA:W3 Income:Sp Pension + Annuity	Cont
4	S4IPENA	S4IPENA:W4 Income:Sp Pension + Annuity	Cont
5	S5IPENA	S5IPENA:W5 Income:Sp Pension + Annuity	Cont
6	S6IPENA	S6IPENA:W6 Income:Sp Pension + Annuity	Cont
7	S7IPENA	S7IPENA:W7 Income:Sp Pension + Annuity	Cont
8	S8IPENA	S8IPENA:W8 Income:Sp Pension + Annuity	Cont
9	S9IPENA	S9IPENA:W9 Income:Sp Pension + Annuity	Cont
10	S10IPENA	S10IPENA:W10 Income:Sp Pension + Annuity	Cont
11	S11IPENA	S11IPENA:W11 Income:Sp Pension + Annuity	Cont
12	S12IPENA	S12IPENA:W12 Income:Sp Pension + Annuity	Cont
13	S13IPENA	S13IPENA:W13 Income:Sp Pension + Annuity	Cont
1	R1IFPENA	R1IFPENA:W1 ImpFlag:R Pension + Annuity	Categ
2	R2IFPENA	R2IFPENA:W2 ImpFlag:R Pension + Annuity	Categ
3	R3IFPENA	R3IFPENA:W3 ImpFlag:R Pension + Annuity	Categ
4	R4IFPENA	R4IFPENA:W4 ImpFlag:R Pension + Annuity	Categ
5	R5IFPENA	R5IFPENA:W5 ImpFlag:R Pension + Annuity	Categ
6	R6IFPENA	R6IFPENA:W6 ImpFlag:R Pension + Annuity	Categ
7	R7IFPENA	R7IFPENA:W7 ImpFlag:R Pension + Annuity	Categ
8	R8IFPENA	R8IFPENA:W8 ImpFlag:R Pension + Annuity	Categ
9	R9IFPENA	R9IFPENA:W9 ImpFlag:R Pension + Annuity	Categ
10	R10IFPENA	R10IFPENA:W10 ImpFlag:R Pension + Annuity	Categ
11	R11IFPENA	R11IFPENA:W11 ImpFlag:R Pension + Annuity	Categ
12	R12IFPENA	R12IFPENA:W12 ImpFlag:R Pension + Annuity	Categ
13	R13IFPENA	R13IFPENA:W13 ImpFlag:R Pension + Annuity	Categ
1	S1IFPENA	S1IFPENA:W1 ImpFlag:Sp Pension + Annuity	Categ
2	S2IFPENA	S2IFPENA:W2 ImpFlag:Sp Pension + Annuity	Categ
3	S3IFPENA	S3IFPENA:W3 ImpFlag:Sp Pension + Annuity	Categ
4	S4IFPENA	S4IFPENA:W4 ImpFlag:Sp Pension + Annuity	Categ
5	S5IFPENA	S5IFPENA:W5 ImpFlag:Sp Pension + Annuity	Categ
6	S6IFPENA	S6IFPENA:W6 ImpFlag:Sp Pension + Annuity	Categ
7	S7IFPENA	S7IFPENA:W7 ImpFlag:Sp Pension + Annuity	Categ
8	S8IFPENA	S8IFPENA:W8 ImpFlag:Sp Pension + Annuity	Categ
9	S9IFPENA	S9IFPENA:W9 ImpFlag:Sp Pension + Annuity	Categ
10	S10IFPENA	S10IFPENA:W10 ImpFlag:Sp Pension + Annuity	Categ
11	S11IFPENA	S11IFPENA:W11 ImpFlag:Sp Pension + Annuity	Categ
12	S12IFPENA	S12IFPENA:W12 ImpFlag:Sp Pension + Annuity	Categ
13	S13IFPENA	S13IFPENA:W13 ImpFlag:Sp Pension + Annuity	Categ
1	R1IPEN	R1IPEN:W1 Income:R Pension	Cont
2	R2IPEN	R2IPEN:W2 Income:R Pension	Cont
3	R3IPEN	R3IPEN:W3 Income:R Pension	Cont
4	R4IPEN	R4IPEN:W4 Income:R Pension	Cont
5	R5IPEN	R5IPEN:W5 Income:R Pension	Cont
6	R6IPEN	R6IPEN:W6 Income:R Pension	Cont
7	R7IPEN	R7IPEN:W7 Income:R Pension	Cont
8	R8IPEN	R8IPEN:W8 Income:R Pension	Cont
9	R9IPEN	R9IPEN:W9 Income:R Pension	Cont
10	R10IPEN	R10IPEN:W10 Income:R Pension	Cont

11	R11IPEN	R11IPEN:W11 Income:R Pension	Cont
12	R12IPEN	R12IPEN:W12 Income:R Pension	Cont
13	R13IPEN	R13IPEN:W13 Income:R Pension	Cont
1	S1IPEN	S1IPEN:W1 Income:Sp Pension	Cont
2	S2IPEN	S2IPEN:W2 Income:Sp Pension	Cont
3	S3IPEN	S3IPEN:W3 Income:Sp Pension	Cont
4	S4IPEN	S4IPEN:W4 Income:Sp Pension	Cont
5	S5IPEN	S5IPEN:W5 Income:Sp Pension	Cont
6	S6IPEN	S6IPEN:W6 Income:Sp Pension	Cont
7	S7IPEN	S7IPEN:W7 Income:Sp Pension	Cont
8	S8IPEN	S8IPEN:W8 Income:Sp Pension	Cont
9	S9IPEN	S9IPEN:W9 Income:Sp Pension	Cont
10	S10IPEN	S10IPEN:W10 Income:Sp Pension	Cont
11	S11IPEN	S11IPEN:W11 Income:Sp Pension	Cont
12	S12IPEN	S12IPEN:W12 Income:Sp Pension	Cont
13	S13IPEN	S13IPEN:W13 Income:Sp Pension	Cont
1	R1IFPEN	R1IFPEN:W1 IncFlag:R Pension	Categ
2	R2IFPEN	R2IFPEN:W2 IncFlag:R Pension	Categ
3	R3IFPEN	R3IFPEN:W3 IncFlag:R Pension	Categ
4	R4IFPEN	R4IFPEN:W4 IncFlag:R Pension	Categ
5	R5IFPEN	R5IFPEN:W5 IncFlag:R Pension	Categ
6	R6IFPEN	R6IFPEN:W6 IncFlag:R Pension	Categ
7	R7IFPEN	R7IFPEN:W7 IncFlag:R Pension	Categ
8	R8IFPEN	R8IFPEN:W8 IncFlag:R Pension	Categ
9	R9IFPEN	R9IFPEN:W9 IncFlag:R Pension	Categ
10	R10IFPEN	R10IFPEN:W10 IncFlag:R Pension	Categ
11	R11IFPEN	R11IFPEN:W11 IncFlag:R Pension	Categ
12	R12IFPEN	R12IFPEN:W12 IncFlag:R Pension	Categ
13	R13IFPEN	R13IFPEN:W13 IncFlag:R Pension	Categ
1	S1IFPEN	S1IFPEN:W1 IncFlag:Sp Pension	Categ
2	S2IFPEN	S2IFPEN:W2 IncFlag:Sp Pension	Categ
3	S3IFPEN	S3IFPEN:W3 IncFlag:Sp Pension	Categ
4	S4IFPEN	S4IFPEN:W4 IncFlag:Sp Pension	Categ
5	S5IFPEN	S5IFPEN:W5 IncFlag:Sp Pension	Categ
6	S6IFPEN	S6IFPEN:W6 IncFlag:Sp Pension	Categ
7	S7IFPEN	S7IFPEN:W7 IncFlag:Sp Pension	Categ
8	S8IFPEN	S8IFPEN:W8 IncFlag:Sp Pension	Categ
9	S9IFPEN	S9IFPEN:W9 IncFlag:Sp Pension	Categ
10	S10IFPEN	S10IFPEN:W10 IncFlag:Sp Pension	Categ
11	S11IFPEN	S11IFPEN:W11 IncFlag:Sp Pension	Categ
12	S12IFPEN	S12IFPEN:W12 IncFlag:Sp Pension	Categ
13	S13IFPEN	S13IFPEN:W13 IncFlag:Sp Pension	Categ
1	R1IANN	R1IANN:W1 Income:R Annuity	Cont
2	R2IANN	R2IANN:W2 Income:R Annuity	Cont
3	R3IANN	R3IANN:W3 Income:R Annuity	Cont
4	R4IANN	R4IANN:W4 Income:R Annuity	Cont
5	R5IANN	R5IANN:W5 Income:R Annuity	Cont
6	R6IANN	R6IANN:W6 Income:R Annuity	Cont
7	R7IANN	R7IANN:W7 Income:R Annuity	Cont
8	R8IANN	R8IANN:W8 Income:R Annuity	Cont
9	R9IANN	R9IANN:W9 Income:R Annuity	Cont
10	R10IANN	R10IANN:W10 Income:R Annuity	Cont
11	R11IANN	R11IANN:W11 Income:R Annuity	Cont
12	R12IANN	R12IANN:W12 Income:R Annuity	Cont
13	R13IANN	R13IANN:W13 Income:R Annuity	Cont
1	S1IANN	S1IANN:W1 Income:Sp Annuity	Cont
2	S2IANN	S2IANN:W2 Income:Sp Annuity	Cont
3	S3IANN	S3IANN:W3 Income:Sp Annuity	Cont
4	S4IANN	S4IANN:W4 Income:Sp Annuity	Cont
5	S5IANN	S5IANN:W5 Income:Sp Annuity	Cont
6	S6IANN	S6IANN:W6 Income:Sp Annuity	Cont
7	S7IANN	S7IANN:W7 Income:Sp Annuity	Cont
8	S8IANN	S8IANN:W8 Income:Sp Annuity	Cont
9	S9IANN	S9IANN:W9 Income:Sp Annuity	Cont
10	S10IANN	S10IANN:W10 Income:Sp Annuity	Cont
11	S11IANN	S11IANN:W11 Income:Sp Annuity	Cont
12	S12IANN	S12IANN:W12 Income:Sp Annuity	Cont

13	S13IANN	S13IANN:W13	Income:Sp	Annuity	Cont
1	R1IFANN	R1IFANN:W1	IncFlag:R	Annuity	Categ
2	R2IFANN	R2IFANN:W2	IncFlag:R	Annuity	Categ
3	R3IFANN	R3IFANN:W3	IncFlag:R	Annuity	Categ
4	R4IFANN	R4IFANN:W4	IncFlag:R	Annuity	Categ
5	R5IFANN	R5IFANN:W5	IncFlag:R	Annuity	Categ
6	R6IFANN	R6IFANN:W6	IncFlag:R	Annuity	Categ
7	R7IFANN	R7IFANN:W7	IncFlag:R	Annuity	Categ
8	R8IFANN	R8IFANN:W8	IncFlag:R	Annuity	Categ
9	R9IFANN	R9IFANN:W9	IncFlag:R	Annuity	Categ
10	R10IFANN	R10IFANN:W10	IncFlag:R	Annuity	Categ
11	R11IFANN	R11IFANN:W11	IncFlag:R	Annuity	Categ
12	R12IFANN	R12IFANN:W12	IncFlag:R	Annuity	Categ
13	R13IFANN	R13IFANN:W13	IncFlag:R	Annuity	Categ
1	S1IFANN	S1IFANN:W1	IncFlag:Sp	Annuity	Categ
2	S2IFANN	S2IFANN:W2	IncFlag:Sp	Annuity	Categ
3	S3IFANN	S3IFANN:W3	IncFlag:Sp	Annuity	Categ
4	S4IFANN	S4IFANN:W4	IncFlag:Sp	Annuity	Categ
5	S5IFANN	S5IFANN:W5	IncFlag:Sp	Annuity	Categ
6	S6IFANN	S6IFANN:W6	IncFlag:Sp	Annuity	Categ
7	S7IFANN	S7IFANN:W7	IncFlag:Sp	Annuity	Categ
8	S8IFANN	S8IFANN:W8	IncFlag:Sp	Annuity	Categ
9	S9IFANN	S9IFANN:W9	IncFlag:Sp	Annuity	Categ
10	S10IFANN	S10IFANN:W10	IncFlag:Sp	Annuity	Categ
11	S11IFANN	S11IFANN:W11	IncFlag:Sp	Annuity	Categ
12	S12IFANN	S12IFANN:W12	IncFlag:Sp	Annuity	Categ
13	S13IFANN	S13IFANN:W13	IncFlag:Sp	Annuity	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IPENA	12652	1148.86	4777.92	0.0	85000.0
R2IPENA	19642	2526.15	10403.58	0.0	480800.0
R3IPENA	17991	2967.32	11746.11	0.0	732000.0
R4IPENA	21384	3274.66	9520.59	0.0	300000.0
R5IPENA	19578	3932.78	13505.62	0.0	696240.0
R6IPENA	18165	4389.23	15660.70	0.0	1196388.0
R7IPENA	20129	4730.98	33606.16	0.0	2748372.0
R8IPENA	18469	4779.09	19939.58	0.0	1390440.0
R9IPENA	17217	8738.11	457824.12	0.0	60000000.0
R10IPENA	22034	3888.91	40130.71	0.0	5401560.0
R11IPENA	20554	4476.05	14879.81	0.0	678300.0
R12IPENA	18747	5436.00	25593.05	0.0	2160000.0
R13IPENA	20912	4591.61	15899.29	0.0	857280.0
S1IPENA	10279	1222.14	4975.79	0.0	85000.0
S2IPENA	13674	2637.46	10859.22	0.0	459600.0
S3IPENA	12334	2971.84	10861.03	0.0	642000.0
S4IPENA	14516	3151.20	8975.85	0.0	225000.0
S5IPENA	13041	3898.96	13589.81	0.0	696240.0
S6IPENA	11859	4438.92	17185.83	0.0	1196388.0
S7IPENA	13352	4677.12	32402.04	0.0	2160000.0
S8IPENA	12052	4633.61	20381.38	0.0	1390440.0
S9IPENA	11012	5630.02	70804.79	0.0	7200000.0
S10IPENA	14235	3399.20	12671.18	0.0	516000.0
S11IPENA	13080	4206.47	14296.67	0.0	492000.0
S12IPENA	11622	4999.51	26366.11	0.0	2160000.0
S13IPENA	12888	4130.56	15019.38	0.0	360000.0

R1IFPENA	12652	0.19	0.85	0.0	9.0
R2IFPENA	19642	0.36	0.90	0.0	9.0
R3IFPENA	17991	0.41	0.92	0.0	9.0
R4IFPENA	21384	0.44	1.03	0.0	9.0
R5IFPENA	19578	0.45	0.94	0.0	9.0
R6IFPENA	18165	0.43	0.76	0.0	9.0
R7IFPENA	20129	0.40	0.83	0.0	9.0
R8IFPENA	18469	0.40	0.79	0.0	9.0
R9IFPENA	17217	0.41	0.82	0.0	9.0
R10IFPENA	22034	0.44	1.31	0.0	9.0
R11IFPENA	20554	0.37	0.97	0.0	9.0
R12IFPENA	18747	0.42	1.06	0.0	9.0
R13IFPENA	20912	0.44	1.28	0.0	9.0
S1IFPENA	12652	1.67	3.16	0.0	9.0
S2IFPENA	19642	2.67	3.60	0.0	9.0
S3IFPENA	17991	2.77	3.62	0.0	9.0
S4IFPENA	21384	2.86	3.66	0.0	9.0
S5IFPENA	19578	2.94	3.66	0.0	9.0
S6IFPENA	18165	3.03	3.67	0.0	9.0
S7IFPENA	20129	2.93	3.68	0.0	9.0
S8IFPENA	18469	3.02	3.69	0.0	9.0
S9IFPENA	17217	3.13	3.72	0.0	9.0
S10IFPENA	22034	3.12	3.79	0.0	9.0
S11IFPENA	20554	3.13	3.77	0.0	9.0
S12IFPENA	18747	3.29	3.80	0.0	9.0
S13IFPENA	20912	3.35	3.84	0.0	9.0
R1IPEN	12652	1044.01	4513.93	0.0	85000.0
R2IPEN	19642	2319.74	9563.90	0.0	459600.0
R3IPEN	17991	2687.11	9648.29	0.0	642000.0
R4IPEN	21384	2961.34	8637.30	0.0	300000.0
R5IPEN	19578	3530.57	11555.11	0.0	696240.0
R6IPEN	18165	3974.82	14532.18	0.0	1196388.0
R7IPEN	20129	4222.92	29400.05	0.0	2748372.0
R8IPEN	18469	4142.74	17231.05	0.0	1374108.0
R9IPEN	17217	8045.80	457539.14	0.0	60000000.0
R10IPEN	22034	3323.54	37893.61	0.0	5401560.0
R11IPEN	20554	4026.65	12455.05	0.0	346836.0
R12IPEN	18747	4811.26	21767.66	0.0	2160000.0
R13IPEN	20912	4157.93	14640.29	0.0	857280.0
S1IPEN	10279	1118.48	4689.95	0.0	85000.0
S2IPEN	13674	2466.98	10585.06	0.0	459600.0
S3IPEN	12334	2739.60	9982.98	0.0	642000.0
S4IPEN	14516	2940.44	8382.56	0.0	225000.0
S5IPEN	13041	3647.42	13045.59	0.0	696240.0
S6IPEN	11859	4088.49	16237.10	0.0	1196388.0
S7IPEN	13352	4227.47	26126.82	0.0	2023644.0
S8IPEN	12052	4164.66	18981.81	0.0	1374108.0
S9IPEN	11012	5147.65	70303.35	0.0	7200000.0
S10IPEN	14235	3020.13	11334.76	0.0	516000.0
S11IPEN	13080	3899.80	12977.90	0.0	300000.0
S12IPEN	11622	4624.44	25521.09	0.0	2160000.0
S13IPEN	12888	3731.93	13512.71	0.0	360000.0
R1IFPEN	12652	0.18	0.85	0.0	9.0
R2IFPEN	19642	0.34	0.89	0.0	9.0
R3IFPEN	17991	0.37	0.91	0.0	9.0

R4IFPEN	21384	0.41	1.02	0.0	9.0
R5IFPEN	19578	0.42	0.92	0.0	9.0
R6IFPEN	18165	0.39	0.73	0.0	9.0
R7IFPEN	20129	0.36	0.80	0.0	9.0
R8IFPEN	18469	0.36	0.76	0.0	9.0
R9IFPEN	17217	0.37	0.80	0.0	9.0
R10IFPEN	22034	0.40	1.29	0.0	9.0
R11IFPEN	20554	0.34	0.95	0.0	9.0
R12IFPEN	18747	0.38	1.04	0.0	9.0
R13IFPEN	20912	0.41	1.27	0.0	9.0
S1IFPEN	12652	1.66	3.16	0.0	9.0
S2IFPEN	19642	2.66	3.61	0.0	9.0
S3IFPEN	17991	2.75	3.63	0.0	9.0
S4IFPEN	21384	2.84	3.67	0.0	9.0
S5IFPEN	19578	2.93	3.67	0.0	9.0
S6IFPEN	18165	3.01	3.69	0.0	9.0
S7IFPEN	20129	2.91	3.69	0.0	9.0
S8IFPEN	18469	3.00	3.71	0.0	9.0
S9IFPEN	17217	3.10	3.74	0.0	9.0
S10IFPEN	22034	3.09	3.80	0.0	9.0
S11IFPEN	20554	3.11	3.78	0.0	9.0
S12IFPEN	18747	3.27	3.81	0.0	9.0
S13IFPEN	20912	3.33	3.85	0.0	9.0
R1IANN	12652	104.84	1633.87	0.0	80000.0
R2IANN	19642	206.41	3968.42	0.0	480800.0
R3IANN	17991	280.22	6483.94	0.0	732000.0
R4IANN	21384	313.33	3574.33	0.0	156480.0
R5IANN	19578	402.21	6815.89	0.0	600000.0
R6IANN	18165	414.41	5631.06	0.0	312000.0
R7IANN	20129	508.06	16208.96	0.0	2160000.0
R8IANN	18469	636.35	9536.97	0.0	817224.0
R9IANN	17217	692.31	16227.88	0.0	1860000.0
R10IANN	22034	565.37	12987.18	0.0	1273200.0
R11IANN	20554	449.40	7908.03	0.0	678300.0
R12IANN	18747	624.75	11559.81	0.0	1000008.0
R13IANN	20912	433.67	5647.81	0.0	324000.0
S1IANN	10279	103.67	1730.55	0.0	80000.0
S2IANN	13674	170.48	2100.83	0.0	114000.0
S3IANN	12334	232.24	3974.10	0.0	277200.0
S4IANN	14516	210.76	2701.69	0.0	143980.1
S5IANN	13041	251.55	3607.64	0.0	204000.0
S6IANN	11859	350.43	5425.85	0.0	312000.0
S7IANN	13352	449.65	19106.74	0.0	2160000.0
S8IANN	12052	468.95	6920.20	0.0	468000.0
S9IANN	11012	482.37	8231.42	0.0	613058.4
S10IANN	14235	379.07	5394.89	0.0	396000.0
S11IANN	13080	306.67	5854.19	0.0	492000.0
S12IANN	11622	375.06	5727.14	0.0	456000.0
S13IANN	12888	398.63	6110.79	0.0	324000.0
R1IFANN	12652	0.09	0.80	0.0	9.0
R2IFANN	19642	0.13	0.82	0.0	9.0
R3IFANN	17991	0.13	0.81	0.0	9.0
R4IFANN	21384	0.16	0.94	0.0	9.0
R5IFANN	19578	0.13	0.82	0.0	9.0
R6IFANN	18165	0.11	0.58	0.0	9.0

R7IFANN	20129	0.12	0.69	0.0	9.0
R8IFANN	18469	0.12	0.64	0.0	9.0
R9IFANN	17217	0.13	0.69	0.0	9.0
R10IFANN	22034	0.25	1.27	0.0	9.0
R11IFANN	20554	0.14	0.87	0.0	9.0
R12IFANN	18747	0.17	0.98	0.0	9.0
R13IFANN	20912	0.23	1.23	0.0	9.0
S1IFANN	12652	1.58	3.18	0.0	9.0
S2IFANN	19642	2.52	3.69	0.0	9.0
S3IFANN	17991	2.60	3.72	0.0	9.0
S4IFANN	21384	2.69	3.76	0.0	9.0
S5IFANN	19578	2.75	3.77	0.0	9.0
S6IFANN	18165	2.84	3.79	0.0	9.0
S7IFANN	20129	2.77	3.78	0.0	9.0
S8IFANN	18469	2.85	3.80	0.0	9.0
S9IFANN	17217	2.96	3.83	0.0	9.0
S10IFANN	22034	3.01	3.86	0.0	9.0
S11IFANN	20554	3.01	3.85	0.0	9.0
S12IFANN	18747	3.15	3.89	0.0	9.0
S13IFANN	20912	3.24	3.92	0.0	9.0

Categorical Variable Codes

RwIFPENa: ImpFlag:R Pension + Annuity

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	11235	14549	12682	15033	13219	12112	14175	12787	11817	16800
1.No imputations	|	1126	4070	4199	4789	4926	4640	4556	4445	4266	3750
2.Some imputation	|	196	889	984	1355	1296	1368	1309	1172	1059	1066
9.No Fin Resp	|	95	134	126	207	137	45	89	65	75	418

Value		w11	w12	w13
0.No income	|	15249	13514	15736
1.No imputations	|	4115	4015	3727
2.Some imputation	|	1019	1019	1074
9.No Fin Resp	|	171	199	375

SwIFPENA: ImpFlag:Sp Pension + Annuity

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	9079	10360	9017	10634	9261	8309	9888	8741	7922	11209
1.No imputations	|	947	2622	2606	2876	2859	2688	2626	2560	2416	2084
2.Some imputation	|	158	588	625	821	828	826	761	699	612	615
8.No Sp/Part->no incm	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	104	86	185	93	36	77	52	62	327

Value		w11	w12	w13
0.No income	|	10169	8822	10107
1.No imputations	|	2223	2119	1891
2.Some imputation	|	545	521	575
8.No Sp/Part->no incm	|	7474	7125	8024
9.No Fin Resp	|	143	160	315

RwIFPEN: IncFlag:R Pension

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	11340	14844	13001	15419	13580	12523	14627	13269	12314	17386
1.No imputations	|	1041	3873	4124	4673	4812	4486	4415	4251	4043	3498
2.Some imputation	|	176	791	740	1085	1049	1111	998	884	785	732
9.No Fin Resp	|	95	134	126	207	137	45	89	65	75	418

Value		w11	w12	w13
0.No income	|	15721	14000	16178
1.No imputations	|	3888	3792	3571
2.Some imputation	|	774	756	788
9.No Fin Resp	|	171	199	375

SwIFPEN: IncFlag:Sp Pension

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	9157	10536	9224	10848	9459	8544	10131	9022	8194	11552
1.No imputations	|	881	2514	2571	2813	2810	2610	2550	2441	2286	1922
2.Some imputation	|	146	520	453	670	679	669	594	537	470	434
8.No Sp/Part->no incm	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	104	86	185	93	36	77	52	62	327

Value		w11	w12	w13
0.No income	|	10421	9065	10352
1.No imputations	|	2097	2007	1797
2.Some imputation	|	419	390	424
8.No Sp/Part->no incm	|	7474	7125	8024
9.No Fin Resp	|	143	160	315

RwIFANN: IncFlag:R Annuity											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	12386	18792	17128	20209	18538	17134	19048	17368	16127	20520
1.No imputations	|	85	88	343	432	407	430	446	524	530	524
2.Some imputation	|	86	628	394	536	496	556	546	512	485	572
9.No Fin Resp	|	95	134	126	207	137	45	89	65	75	418
Value		w11	w12	w13							
0.No income	|	19413	17599	19596							
1.No imputations	|	527	498	430							
2.Some imputation	|	443	451	511							
9.No Fin Resp	|	171	199	375							
SwIFANN: IncFlag:Sp Annuity											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	10053	13110	11821	13796	12452	11271	12773	11444	10427	13326
1.No imputations	|	66	70	181	227	205	218	214	268	260	275
2.Some imputation	|	65	390	246	308	291	334	288	288	263	307
8.No Sp/Part->no incm	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	104	86	185	93	36	77	52	62	327
Value		w11	w12	w13							
0.No income	|	12470	11013	12094							
1.No imputations	|	242	220	199							
2.Some imputation	|	225	229	280							
8.No Sp/Part->no incm	|	7474	7125	8024							
9.No Fin Resp	|	143	160	315							

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

RwIPENA is the sum of the Respondent's income from all pensions and annuities. RwIPEN is the Respondent's income from all pensions. RwIANN is the Respondent's income from all annuities. RwIFPENA is a flag that indicates whether any components are imputed. RwIFPEN and RwIFANN are flags that indicate whether any components are imputed in the separate measures.

SwIPENA, SwIPEN, SwIANN, SwIFPENA, SwIFPEN and SwIFANN are the analogous spouse variables.

Pension amounts are obtained separately for the Financial Respondent and spouse in all waves. In Wave 1, there is one annual amount for all pension income. From Wave 2 forward, up to 3 monthly amounts can be reported for pensions. The month the Respondent or spouse first received the pension is asked for the first 2 pensions. Annuity income questions are asked in the same way as pensions.

Beginning in Wave 2, the start month is checked for the first 2 pensions or annuities, and the appropriate number of months are used to calculate yearly income. For the third monthly amount reported, no start month is available beginning in Wave 2H, and the monthly amount is multiplied by 12 months.

Users should note a few outliers who required further examination:

1. HHIDPN: 10013010 reported receiving a monthly first pension amount of \$5,000,000 in Wave 9. Multiplying this amount by 12 months results in \$60,000,000 annually from this pension alone. The accuracy of this amount has been confirmed by HRS.
2. HHIDPN: 79230030 reported receiving a monthly first pension amount of \$600,000 in Wave 9. Multiplying this amount by 12 months results in \$7,200,000 annually from this pension alone. HRS has stated that the reported amount is a lump sum. However, examination of other questions suggest that this pension started in 2003 (LQ257_1). Therefore, we have decided to consider this a monthly amount, which again will result in the large annual total stated above.

Cross Wave Differences in Original HRS Data

In Wave 1, income is reported as the total amount received in 1991 from all pensions. Pension income is reported separately for Respondent and spouse. From Wave 2 forward, monthly income from up to 2 pensions are asked about individually, and monthly income from any additional pensions are reported as a 3rd amount. These three amounts are reported separately for Respondent and spouse. Also, beginning in Wave 2, the month the Respondent or spouse first received the pension is asked for the first two pensions. The same is true for annuities.

Beginning in Wave 2, the start month is checked for the first 2 pensions or annuities, and the appropriate number of months are used to calculate yearly income. For the third monthly amount reported, no start month is available beginning in Wave 2H, and the monthly amount is multiplied by 12 months.

Beginning in Wave 3H, if the Respondent refuses or does not know the amount received last month from the first 2 pensions and annuities, a series of unfolding bracket questions are asked. The bracket amounts and entry points are the same across waves. In Waves 1, 2, and 3A, no unfolding bracket questions are asked. Beginning in Wave 6, bracket questions are asked for the third pension and annuity.

Beginning with Wave 10, those who report receiving \$0 in the last month for their first or second annuities are asked if they received any income in the last year, and the amount in total that they received.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income". After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive pension income?).

In Wave 2A, Financial Respondents are asked the following questions about their own income then their spouse's:

- a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans' Benefits, annuities, payments from an IRA account, or anything like that?"
- b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

- 3.ANNUITY
- 4.IRA DISTRIBUTION
- 5.STOCKS AND BONDS
- 7.OTHER
- 8.DK
- 9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

- a) "Did you receive any other regular income in [last calendar year] that you no longer receive?"
- b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of pension income and up to 2 different reports of annuity income.

If income is received, Financial Respondents are then asked questions that serve to identify the frequency (was that paid to you monthly?), amount received (how much did you receive last [month/period/year] from that?), and when payments were stopped (what month did you stop receiving that?). There are no unfolding brackets for income in Wave 2A.

Beginning in Wave 10, if a Respondent states s/he is currently receiving an annuity and that the amount received last month was zero, s/he is asked if any income was received last year and the total amount received last year. If provided, we apply the total amount received last year as the annual amount from the LCY and also use it to estimate a monthly amount.

An examination of the pension income (RwIPEN) variables in RANDHRS Version O showed markedly lower average pension income in Wave 11 compared to Wave 10. After a thorough analysis, we have concluded that this is largely due to the introduction of a new Pension Section (J2) in the 2012 questionnaire, which precedes and therefore affects some answers in the Assets and Income Section (Q). Because the question about pension income in the Assets and Income Section uses the wording "Not including Social Security or other retirement income you've already told me about," some Financial Respondents did not report pension income they had reported earlier in the Pension Section. This interaction between different sections of the surveys was not intended by the survey designers.

To remedy this problem in the data, we incorporate logic in Waves 11 forward to pull information about pension income of Financial Respondents from both Section Q and Section J2 of the questionnaire. We did not change the derivation of pension income for earlier waves, because those did not yet have the Pension Section (J2) that caused the interaction with the pension income questions in Section Q. Pension income for earlier waves continues to be calculated using only information from Section Q. See Appendix C: Combining Pension Income from Section Q (Assets & Income) and Section J2 (Pension) in the RAND HRS Detailed Imputations File Codebook available on the [HRS website](#) for a detailed description of the methodology that we developed for combining information from the Pension Section (J2) and the Income Section (Q).

HRS Variables Used

HRS 1992:

V15714	N25A:WHO RECVD RET P:IND
V15715	N26:RET PN:R1TYPE IN:IND
V15716	N26A RET PEN:R1 AMTI:IND
V15720	N26C:ANNUIT:R1 RECIN:IND
V15724	N27:RET PN:R2TYPE IN:IND
V15725	N27A RET PEN:R2 AMTI:IND
V15729	N27C:ANNUIT:R2 RECIN:IND
V5713	N25:RECV RET PENS-NO:IMP

V5714 N25A:WHO RECVD RET P:IMP
V5715 N26:RET PEN:R1TYPE R:IMP
V5716 N26A:RET PN:R1\$AMT R:IMP
V5717 N26A:RET PN:R1RECVD :IMP
V5720 N26C:ANNUIT:R1\$AMT R:IMP
V5721 N26C:ANNUIT:R1RECVD :IMP
V5724 N27:RET PEN:R2TYPE R:IMP
V5725 N27A:RET PN:R2\$AMT R:IMP
V5726 N27A:RET PN:R2RECVD :IMP
V5729 N27C:ANNUIT:R2\$AMT R:IMP
V5730 N27C:ANNUIT:R2RECVD :IMP
AHEAD 1993:
B1456 J19. R REG INC: RECEIVE ANY
B1457 J20-1. R REG INC: TYPE-1
B1458 J21-1. R REG INC: PAID PER MONTH-1
B1459 J21b-1. R REG INC: \$ PERIOD-1
B1460 J21c-1. R REG INC: \$ LAST PERIOD-1
B1462 J21e-1. R REG INC: START >2YRS AGO-1
B1463 J21f-1. R REG INC: START MONTH-1
B1464 J21g-1. R REG INC: START YEAR-1
B1473 J26-1. R REG INC: ANY OTHER-1
B1475 J20-2. R REG INC: TYPE-2
B1476 J21-2. R REG INC: PAID PER MONTH-2
B1477 J21b-2. R REG INC: \$ PERIOD-2
B1478 J21c-2. R REG INC: \$ LAST PERIOD-2
B1480 J21e-2. R REG INC: START >2YRS AGO-2
B1481 J21f-2. R REG INC: START MONTH-2
B1482 J21g-2. R REG INC: START YEAR-2
B1491 J26-2. R REG INC: ANY OTHER-2
B1492 J20-3. R REG INC: TYPE-3
B1493 J21-3. R REG INC: PAID PER MONTH-3
B1494 J21b-3. R REG INC: \$ PERIOD-3
B1495 J21c-3. R REG INC: \$ LAST PERIOD-3
B1497 J21e-3. R REG INC: START >2YRS AGO-3
B1498 J21f-3. R REG INC: START MONTH-3
B1499 J21g-3. R REG INC: START YEAR-3
B1508 J27. R REG INC: ANY END 1992/3
B1509 J27a. R REG INC END1992/3: TYPE
B1510 J28. R REG INC END 1992/3: PAID PER MO
B1511 J28a. R REG INC END 1992/3: \$ PERIOD
B1512 J28b. R REG INC END1992/3: \$ LAST PERIOD
B1513 J28c. R REG INC END92/3: LAST MO RECD
B1514 J28d. R REG INC END92/3: LAST YR RECD
B1515 J29. SP REG INC: RECEIVE ANY
B1517 J30-1. SP REG INC: TYPE-1
B1518 J31-1. SP REG INC: PAID PER MONTH-1
B1519 J31b-1. SP REG INC: \$ PERIOD-1
B1520 J31c-1. SP REG INC: \$ LAST PERIOD-1
B1522 J31e-1. SP REG INC: START >2YRS AGO-1
B1523 J31f-1. SP REG INC: START MONTH-1
B1524 J31g-1. SP REG INC: START YEAR-1
B1533 J36-1. SP REG INC: ANY OTHER-1
B1539 J30-2. SP REG INC: TYPE-2
B1540 J31-2. SP REG INC: PAID PER MONTH-2
B1541 J31b-2. SP REG INC: \$ PERIOD-2
B1542 J31c-2. SP REG INC: \$ LAST PERIOD-2
B1544 J31e-2. SP REG INC: START >2YRS AGO-2
B1545 J31f-2. SP REG INC: START MONTH-2
B1546 J31g-2. SP REG INC: START YEAR-2

B1555	J36-2. SP REG INC: ANY OTHER-2
B1560	J30-3. SP REG INC: TYPE-3
B1561	J31-3. SP REG INC: PAID PER MONTH-3
B1562	J31b-3. SP REG INC: \$ PERIOD-3
B1563	J31c-3. SP REG INC: \$ LAST PERIOD-3
B1565	J31e-3. SP REG INC: START >2YRS AGO-3
B1566	J31f-3. SP REG INC: START MONTH-3
B1567	J31g-3. SP REG INC: START YEAR-3
B1576	J37. SP REG INC: ANY END 92/93
B1577	J37a. SP REG INC END 92/93: TYPE
B1578	J37b. SP REG INC END 92/93: LAST MO RECD
B1579	J37b. SP REG INC END 92/93: LAST YR RECD
B1580	J37c. SP REG INC END 92/93: PAID PER MO
B1581	J37d. SP REG INC END 92/93: \$ PERIOD
B1582	J37e. SP REG INC END 92/93: \$ LST PERIOD
HRS 1994:	
W16071	N20. Imputation flag
W16072	N20a. Imputation flag
W16074	N20c. Imputation flag
W16075	N20d. Imputation flag
W16083	N20q. Imputation flag
W16091	N20x1. Imputation flag
W16095	N20aa. Imputation flag
W16103	N20mm. Imputation flag
W16111	N20uu. Imputation flag
W16114	N21. Imputation flag
W16116	N21b. Imputation flag
W16117	N21c. Imputation flag
W16118	N21d. Imputation flag
W16126	N21q. Imputation flag
W16134	N21x1. Imputation flag
W16136	N21y. Imputation flag
W16137	N21z. Imputation flag
W16138	N21aa. Imputation flag
W16146	N21mm. Imputation flag
W16154	N21uu. Imputation flag
W6071	N20.RETIREMENT PENSIONS?
W6072	N20a.WHO RECEIVES PENSIO
W6073	N20b.>1 PENSION?
W6074	N20c.NUMBER PENSIONS
W6075	N20d.AMT LAST MONTH-PENS
W6077	N20f.MONTH START RECEIVI
W6078	N20f.YEAR START RECEIVIN
W6083	N20q.AMT LAST MONTH-PENS
W6085	N20s.MONTH START RECEIVI
W6086	N20s.YEAR START RECEIVIN
W6091	N20x1.AMT LAST MONTH-OTH
W6093	N20y.SP->1 PENSION?
W6094	N20z.SP-NUMBER PENSIONS
W6095	N20aa.SP-AMT LAST MONTH-
W6097	N20cc.SP-MONTH START REC
W6098	N20cc.SP-YEAR START RECE
W6103	N20mm.SP-AMT LAST MONTH-
W6105	N20pp.SP-MONTH START REC
W6106	N20pp.SP-YEAR START RECE
W6111	N20uu.SP-AMT LAST MONTH-
W6114	N21.ANNUITIES?
W6115	N21a.WHO RECEIVES ANNUIT
W6116	N21b.>1 ANNUITY?

W6117	N21c.NUMBER OF ANNUITIES
W6118	N21d.AMT LAST MONTH-ANNU
W6120	N21f.MONTH START RECEIVI
W6121	N21f.YEAR START RECEIVIN
W6126	N21q.AMT LAST MONTH-ANNU
W6128	N21s.MONTH START RECEIVI
W6129	N21s.YEAR START RECEIVIN
W6134	N21x1.AMT LAST MONTH-OTH
W6136	N21y.SP->1 ANNUITY?
W6137	N21z.SP-NUMBER OF ANNUIT
W6138	N21aa.SP-AMT LAST MONTH-
W6140	N21cc.SP-MONTH START REC
W6141	N21cc.SP-YEAR START RECE
W6146	N21mm.SP-AMT LAST MONTH-
W6148	N21pp.SP-MONTH START REC
W6149	N21pp.SP-YEAR START RECE
W6154	N21uu.SP-AMT LAST MONTH-
AHEAD 1995:	
D4191	J30.RET PENSION
D4192	J30A.WHO RECD PENSION
D4193	J30B.>1 PENSION
D4194	J30C.#PENSIONS
D4198	J30D.AMT PENSION-1
D4200	J30F.YEAR START PENSION-1
D4201	J30G.YEAR START PENSION-1
D4213	J30D.2ND (LARGEST) PENSION-2
D4215	J30F.YEAR START PENSION-2
D4216	J30G.MONTH START PENSION-2
D4221	J30U.OTHER PENSIONS
D4226	J31.PENSION SP
D4227	J31A.#PENSIONS SP
D4229	J31C.AMT PENSION SP-1
D4231	J31E.YEAR START PENSION SP-1
D4232	J31F.MONTH START PENSION SP-1
D4238	J31K. 2ND (LARGEST) PENSION SP-2
D4246	J31E.YEAR START PENSION SP-2
D4247	J31F.MONTH START PENSION SP-2
D4253	J31U.OTHER PENSIONS SP
D4266	J33.INCOME ANNUITIES
D4267	J33A.WHO RECD ANNUITY
D4268	J33B.>1 ANNUITY INC
D4269	J33C.# ANNUITIES INC
D4271	J33D.AMT ANNUITY INC-1
D4273	J33F.YEAR START ANNUITY INC-1
D4274	J33G.MONTH START ANNUITY INC-1
D4285	J33D.2ND (LARGEST) ANNUITY INC-2
D4288	J33F.YEAR START ANNUITY INC-2
D4289	J33G.MONTH START ANNUITY INC-2
D4294	J34.OTHER ANNUITIES
D4299	J35.>1 ANNUITIES SPOUSE
D4300	J35A.# ANNUITIES SP
D4302	J35C.AMT ANNUITY INC SP-1
D4304	J35E.YEAR START ANNUITY INC SP-1
D4305	J35E.MONTH START ANNTY
D4315	J35B.2ND (LARGEST) ANNUITY INC SP-2
D4318	J35E.YEAR START ANNUITY INC SP-2
D4319	J35P.MONTH START ANNUITY INC SP-2
D4324	J35U.OTHER ANNUITY INC SP
HRS 1996:	

E4209	J127.RET PENSION
E4210	J128.WHO RECD PENSION
E4211	J129.>1 PENSION
E4212	J130.#PENSIONS
E4214_1	J132.AMT PENSION LAST MONTH
E4214_2	J132.AMT PENSION LAST MONTH
E4215_1	J132A.\$ PENSION LAST MONTH DK-1K
E4215_2	J132A.\$ PENSION LAST MONTH DK-1K
E4216_1	J132B.\$ PENSION LAST MONTH DK-2K
E4216_2	J132B.\$ PENSION LAST MONTH DK-2K
E4217_1	J143C.\$ PENSION LAST MONTH DK-4K
E4217_2	J143C.\$ PENSION LAST MONTH DK-4K
E4218_1	J143D.\$ PENSION LAST MONTH DK-500
E4218_2	J143D.\$ PENSION LAST MONTH DK-500
E4223_1	J137.PENSION START YEAR
E4223_2	J137.PENSION START YEAR
E4224_1	J138.PENSION START MONTH
E4224_2	J138.PENSION START MONTH
E4232	J143.OTHER PENSIONS
E4234	J145.PENSION SP
E4235	J146.#PENSIONS SP
E4237_1	J148.SP AMT PENSION LAST MONTH
E4237_2	J148.SP AMT PENSION LAST MONTH
E4238_1	J148A.\$ SP PENSION LAST MONTH DK-1K
E4238_2	J148A.\$ SP PENSION LAST MONTH DK-1K
E4239_1	J148B.\$ SP PENSION LAST MONTH DK-2K
E4239_2	J148B.\$ SP PENSION LAST MONTH DK-2K
E4240_1	J148C.\$ SP PENSION LAST MONTH DK-4K
E4240_2	J148C.\$ SP PENSION LAST MONTH DK-4K
E4241_1	J148D.\$ SP PENSION LAST MONTH DK-500
E4241_2	J148D.\$ SP PENSION LAST MONTH DK-500
E4246_1	J153.SP PENSION START YEAR
E4246_2	J153.SP PENSION START YEAR
E4247_1	J153.SP PENSION START MONTH
E4247_2	J153.SP PENSION START MONTH
E4258	J159.OTHER PENSIONS SP
E4263	J163.INCOME ANNUITIES
E4264	J164.WHO RECD ANNUITY
E4265	J165.>1 ANNUITY INC
E4266	J166.# ANNUITIES INC
E4269_1	J168.AMT ANNUITY INC
E4269_2	J168.AMT ANNUITY INC
E4270_1	J168A.\$ ANNUITY INC DK-1K
E4270_2	J168A.\$ ANNUITY INC DK-1K
E4271_1	J168B.\$ ANNUITY INC DK-2K
E4271_2	J168B.\$ ANNUITY INC DK-2K
E4272_1	J168C.\$ ANNUITY INC DK-4K
E4272_2	J168C.\$ ANNUITY INC DK-4K
E4273_1	J168D.\$ ANNUITY INC DK-500
E4273_2	J168D.\$ ANNUITY INC DK-500
E4275_1	J170.ANNUITY INC START YEAR
E4275_2	J170.ANNUITY INC START YEAR
E4276_1	J171.ANNUITY INC START MONTH
E4276_2	J171.ANNUITY INC START MONTH
E4291	J176.OTHER ANNUITIES
E4295	J178.>1 ANNUITIES SPOUSE
E4296	J179.# ANNUITIES SP
E4298_1	J181.SP AMT ANNUITY INC
E4298_2	J181.SP AMT ANNUITY INC

E4299_1	J181A.\$ SP ANNUITY INC DK-1K
E4299_2	J181A.\$ SP ANNUITY INC DK-1K
E4300_1	J181B.\$ SP ANNUITY INC DK-2K
E4300_2	J181B.\$ SP ANNUITY INC DK-2K
E4301_1	J181C.\$ SP ANNUITY INC DK-4K
E4301_2	J181C.\$ SP ANNUITY INC DK-4K
E4302_1	J181D.\$ SP ANNUITY INC DK-500
E4302_2	J181D.\$ SP ANNUITY INC DK-500
E4304_1	J183.SP ANNUITY INC START YEAR
E4304_2	J183.SP ANNUITY INC START YEAR
E4305_1	J184.SP ANNTY START MONTH
E4305_2	J184.SP ANNTY START MONTH
E4320	J188A.OTHER ANNUITY INC SP
HRS 1998:	
F4969	J127.RET PENSION
F4970	J128.WHO RECD PENSION
F4971	J129.>1 PENSION
F4972	J130.#PENSIONS
F4974_1	J132.AMT PENSION LAST MONTH
F4974_2	J132.AMT PENSION LAST MONTH
F4975_1	J132A.DK-1K
F4975_2	J132A.DK-1K
F4976_1	J132B.DK-2K
F4976_2	J132B.DK-2K
F4977_1	J132C.DK-4K
F4977_2	J132C.DK-4K
F4978_1	J132D.DK-500
F4978_2	J132D.DK-500
F4983_1	J137.PENSION START YEAR
F4983_2	J137.PENSION START YEAR
F4984_1	J138.PENSION START MONTH
F4984_2	J138.PENSION START MONTH
F4992	J143.OTHER PENSIONS
F4994	J145.PENSION SP
F4995	J146.#PENSIONS SP
F4996_1	J147.SP PENSION LOOP
F4996_2	J147.SP PENSION LOOP
F4998_1	J148A.DK-1K
F4998_2	J148A.DK-1K
F4999_1	J148B.DK-2K
F4999_2	J148B.DK-2K
F5000_1	J148C.DK-4K
F5000_2	J148C.DK-4K
F5001_1	J148D.DK-500
F5001_2	J148D.DK-500
F5006_1	J153.PENSION START YEAR
F5006_2	J153.PENSION START YEAR
F5007_1	J153.PENSION START MONTH
F5007_2	J153.PENSION START MONTH
F5018	J159.OTHER PENSIONS SP
F5023	J163.INCOME ANNUITIES
F5024	J164.WHO RECD ANNUITY
F5025	J165.>1 ANNUITY INC
F5026	J166.# ANNUITIES INC
F5029_1	J168.AMT ANNUITY INC
F5029_2	J168.AMT ANNUITY INC
F5030_1	J168A.DK-1K
F5030_2	J168A.DK-1K
F5031_1	J168B.DK-2K

F5031_2	J168B.DK-2K
F5032_1	J168C.DK-4K
F5032_2	J168C.DK-4K
F5033_1	J168D.DK-500
F5033_2	J168D.DK-500
F5035_1	J170.ANNUITY INC START YEAR
F5035_2	J170.ANNUITY INC START YEAR
F5036_1	J171.ANNUITY INC START MONTH
F5036_2	J171.ANNUITY INC START MONTH
F5051	J176.OTHER ANNUITIES
F5055	J178.>1 ANNUITIES SPOUSE
F5056	J179.# ANNUITIES SP
F5058_1	J181.AMT ANNUITY INC SP
F5058_2	J181.AMT ANNUITY INC SP
F5059_1	J181A.DK-1K
F5059_2	J181A.DK-1K
F5060_1	J181B.DK-2K
F5060_2	J181B.DK-2K
F5061_1	J181C.DK-4K
F5061_2	J181C.DK-4K
F5062_1	J181D.DK-500
F5062_2	J181D.DK-500
F5064_1	J183.ANNUITY INC SP START YEAR
F5064_2	J183.ANNUITY INC SP START YEAR
F5065_1	J184.ANNTY START MONTH
F5065_2	J184.ANNTY START MONTH
F5079	J188A.OTHER ANNUITY INC SP
HRS 2000:	
G5424	J127.RET PENSION
G5425	J128.WHO RECD PENSION
G5426	J129.>1 PENSION
G5427	J130.#PENSIONS
G5429_1	J132.AMT PENSION LAST MONTH
G5429_2	J132.AMT PENSION LAST MONTH
G5430_1	J132A.DK-1K
G5430_2	J132A.DK-1K
G5431_1	J132B.DK-2K
G5431_2	J132B.DK-2K
G5432_1	J132C.DK-4K
G5432_2	J132C.DK-4K
G5433_1	J132D.DK-500
G5433_2	J132D.DK-500
G5438_1	J137.PENSION START YEAR
G5438_2	J137.PENSION START YEAR
G5439_1	J138.PENSION START MONTH
G5439_2	J138.PENSION START MONTH
G5447	J143.OTHER PENSIONS
G5449	J145.PENSION SP
G5450	J146.#PENSIONS SP
G5453_1	J148A.DK-1K
G5453_2	J148A.DK-1K
G5454_1	J148B.DK-2K
G5454_2	J148B.DK-2K
G5455_1	J148C.DK-4K
G5455_2	J148C.DK-4K
G5456_1	J148D.DK-500
G5456_2	J148D.DK-500
G5461_1	J153.PENSION START YEAR
G5461_2	J153.PENSION START YEAR

G5462_1	J153Y1.PENSION START MONTH
G5462_2	J153Y1.PENSION START MONTH
G5473	J159.OTHER PENSIONS SP
G5478	J163.INCOME ANNUITIES
G5479	J164.WHO RECD ANNUITY
G5480	J165.>1 ANNUITY INC
G5481	J166.# ANNUITIES INC
G5484_1	J168.AMT ANNUITY INC
G5484_2	J168.AMT ANNUITY INC
G5485_1	J168A.DK-1K
G5485_2	J168A.DK-1K
G5486_1	J168B.DK-2K
G5486_2	J168B.DK-2K
G5487_1	J168C.DK-4K
G5487_2	J168C.DK-4K
G5488_1	J168D.DK-500
G5488_2	J168D.DK-500
G5490_1	J170.ANNUITY INC START YEAR
G5490_2	J170.ANNUITY INC START YEAR
G5491_1	J171.ANNUITY INC START MONTH
G5491_2	J171.ANNUITY INC START MONTH
G5506	J176.OTHER ANNUITIES
G5510	J178.>1 ANNUITIES SPOUSE
G5511	J179.# ANNUITIES SP
G5513_1	J181.AMT ANNUITY INC SP
G5513_2	J181.AMT ANNUITY INC SP
G5514_1	J181A.DK-1K
G5514_2	J181A.DK-1K
G5515_1	J181B.DK-2K
G5515_2	J181B.DK-2K
G5516_1	J181C.DK-4K
G5516_2	J181C.DK-4K
G5517_1	J181D.DK-500
G5517_2	J181D.DK-500
G5519_1	J183.ANNUITY INC SP START YEAR
G5519_2	J183.ANNUITY INC SP START YEAR
G5520_1	J184.ANNTY START MONTH
G5520_2	J184.ANNTY START MONTH
G5534	J188A.OTHER ANNUITY INC SP
HRS 2002-2016:	
xQ215	PENSION RETIREMENT INCOME
xQ216	WHO REC PENSION RETIREMENT INC
xQ217	R INCOME FR MORE THAN ONE PENSION
xQ218	NUMBER OF PENSIONS R RECEIVED
xQ220_1	R AMT RECV FR PENSION - LAST MONTH -1
xQ220_2	R AMT RECV FR PENSION - LAST MONTH -2
xQ221_1	R AMT RECV FROM PENSION - MIN -1
xQ221_2	R AMT RECV FROM PENSION - MIN -2
xQ222_1	R AMT RECV FROM PENSION - MAX -1
xQ222_2	R AMT RECV FROM PENSION - MAX -2
xQ223_1	R AMT RECV FROM PENSION - RESULT -1
xQ223_2	R AMT RECV FROM PENSION - RESULT -2
xQ231_1	R YEAR PENSION STARTED -1
xQ231_2	R YEAR PENSION STARTED -2
xQ232_1	R MONTH PENSION STARTED -1
xQ232_2	R MONTH PENSION STARTED -2
xQ238	OTHER PENSIONS
xQ243	SP PENSION
xQ244	SP NUMBER OF PENSIONS

xQ246_1	SP AMT RECV FR PENSION - LAST MONTH -1
xQ246_2	SP AMT RECV FR PENSION - LAST MONTH -2
xQ247_1	SP AMT RECV FROM PENSION - MIN -1
xQ247_2	SP AMT RECV FROM PENSION - MIN -2
xQ248_1	SP AMT RECV FROM PENSION - MAX -1
xQ248_2	SP AMT RECV FROM PENSION - MAX -2
xQ249_1	SP AMT RECV FROM PENSION - RESULT -1
xQ249_2	SP AMT RECV FROM PENSION - RESULT -2
xQ257_1	SP YEAR PENSION STARTED -1
xQ257_2	SP YEAR PENSION STARTED -2
xQ258_1	SP MONTH PENSION STARTED -1
xQ258_2	SP MONTH PENSION STARTED -2
xQ264	SP ALL OTH PENS AMT REC - LAST MONTH
xQ273	R OR SP INCOME FROM ANNUITIES
xQ274	WHO RECEIVED INC FROM ANNUITIES
xQ275	R INCOME FROM MORE THAN ONE ANNUITIES
xQ276	R NUMBER OF ANNUITIES INCOME
xQ278_1	R AMT FROM ANNUITY - LAST MONTH -1
xQ278_2	R AMT FROM ANNUITY - LAST MONTH -2
xQ279_1	R AMT FROM ANNUITY - MIN -1
xQ279_2	R AMT FROM ANNUITY - MIN -2
xQ280_1	R AMT FROM ANNUITY - MAX -1
xQ280_2	R AMT FROM ANNUITY - MAX -2
xQ281_1	R AMT FROM ANNUITY - RESULT -1
xQ281_2	R AMT FROM ANNUITY - RESULT -2
xQ283_1	R YEAR ANNUITY PMT STARTED -1
xQ283_2	R YEAR ANNUITY PMT STARTED -2
xQ284_1	R MONTH ANNUITY PMT STARTED -1
xQ284_2	R MONTH ANNUITY PMT STARTED -2
xQ290	OTHER ANNUITIES
xQ295	>1 ANNUITIES SP
xQ296	NUMBER OF ANNUITIES SP
xQ298_1	SP AMT FROM ANNUITY - LAST MONTH -1
xQ298_2	SP AMT FROM ANNUITY - LAST MONTH -2
xQ299_1	SP AMT FROM ANNUITY - MIN -1
xQ299_2	SP AMT FROM ANNUITY - MIN -2
xQ300_1	SP AMT FROM ANNUITY - MAX -1
xQ300_2	SP AMT FROM ANNUITY - MAX -2
xQ301_1	SP AMT FROM ANNUITY - RESULT -1
xQ301_2	SP AMT FROM ANNUITY - RESULT -2
xQ303_1	SP YEAR ANNUITY PMT STARTED -1
xQ303_2	SP YEAR ANNUITY PMT STARTED -2
xQ304_1	SP MONTH ANNUITY PMT STARTED -1
xQ304_2	SP MONTH ANNUITY PMT STARTED -2
xQ310	SP OTH ANNUIT PMT AMT LAST MONTH
HRS 2010-2016:	
xQ524_1	R INCOME FROM ANNUITY - LAST YEAR -1
xQ524_2	R INCOME FROM ANNUITY - LAST YEAR -2
xQ525_1	R AMOUNT FROM ANNUITY - LAST YEAR -1
xQ525_2	R AMOUNT FROM ANNUITY - LAST YEAR -2
xQ526	R INCOME FROM OTHER ANNUITY - LAST YEAR
xQ527	R AMOUNT FROM OTHER ANNUITY - LAST YEAR
xQ528_1	SP INCOME FROM ANNUITY - LAST YEAR -1
xQ529_1	SP AMOUNT FROM ANNUITY - LAST YEAR -1
xQ530	SP INCOME FROM OTHER ANNUITY - LAST YEAR
xQ531	SP AMOUNT FROM OTHER ANNUITY - LAST YR
HRS 2012-2016:	
xJ2W014_1	AGE WHEN BENEFITS STARTED -1_1
xJ2W014_10	AGE WHEN BENEFITS STARTED -1_10

xJ2W014_2	AGE WHEN BENEFITS STARTED -1_2
xJ2W014_3	AGE WHEN BENEFITS STARTED -1_3
xJ2W014_4	AGE WHEN BENEFITS STARTED -1_4
xJ2W014_5	AGE WHEN BENEFITS STARTED -1_5
xJ2W014_6	AGE WHEN BENEFITS STARTED -1_6
xJ2W014_7	AGE WHEN BENEFITS STARTED -1_7
xJ2W014_8	AGE WHEN BENEFITS STARTED -1_8
xJ2W014_9	AGE WHEN BENEFITS STARTED -1_9
xJ2W015_1	AMOUNT OF BENEFITS -1_1
xJ2W015_10	AMOUNT OF BENEFITS -1_10
xJ2W015_2	AMOUNT OF BENEFITS -1_2
xJ2W015_3	AMOUNT OF BENEFITS -1_3
xJ2W015_4	AMOUNT OF BENEFITS -1_4
xJ2W015_5	AMOUNT OF BENEFITS -1_5
xJ2W015_6	AMOUNT OF BENEFITS -1_6
xJ2W015_7	AMOUNT OF BENEFITS -1_7
xJ2W015_8	AMOUNT OF BENEFITS -1_8
xJ2W015_9	AMOUNT OF BENEFITS -1_9
xJ2W016_1	AMOUNT OF BENEFITS PER -1_1
xJ2W016_10	AMOUNT OF BENEFITS PER -1_10
xJ2W016_2	AMOUNT OF BENEFITS PER -1_2
xJ2W016_3	AMOUNT OF BENEFITS PER -1_3
xJ2W016_4	AMOUNT OF BENEFITS PER -1_4
xJ2W016_5	AMOUNT OF BENEFITS PER -1_5
xJ2W016_6	AMOUNT OF BENEFITS PER -1_6
xJ2W016_7	AMOUNT OF BENEFITS PER -1_7
xJ2W016_8	AMOUNT OF BENEFITS PER -1_8
xJ2W016_9	AMOUNT OF BENEFITS PER -1_9
xJ2W086_1	AGE WHEN BENEFITS STARTED MONTHS -1_1
xJ2W086_10	AGE WHEN BENEFITS STARTED MONTHS -1_10
xJ2W086_2	AGE WHEN BENEFITS STARTED MONTHS -1_2
xJ2W086_3	AGE WHEN BENEFITS STARTED MONTHS -1_3
xJ2W086_4	AGE WHEN BENEFITS STARTED MONTHS -1_4
xJ2W086_5	AGE WHEN BENEFITS STARTED MONTHS -1_5
xJ2W086_6	AGE WHEN BENEFITS STARTED MONTHS -1_6
xJ2W086_7	AGE WHEN BENEFITS STARTED MONTHS -1_7
xJ2W086_8	AGE WHEN BENEFITS STARTED MONTHS -1_8
xJ2W086_9	AGE WHEN BENEFITS STARTED MONTHS -1_9
xJ2W108_1	STARTED RECEIVING ANNUITY -1_1
xJ2W108_10	STARTED RECEIVING ANNUITY -1_10
xJ2W108_2	STARTED RECEIVING ANNUITY -1_2
xJ2W108_3	STARTED RECEIVING ANNUITY -1_3
xJ2W108_4	STARTED RECEIVING ANNUITY -1_4
xJ2W108_5	STARTED RECEIVING ANNUITY -1_5
xJ2W108_6	STARTED RECEIVING ANNUITY -1_6
xJ2W108_7	STARTED RECEIVING ANNUITY -1_7
xJ2W108_8	STARTED RECEIVING ANNUITY -1_8
xJ2W108_9	STARTED RECEIVING ANNUITY -1_9
xJ2W426_1	RECEIVING BENEFITS -1_1
xJ2W426_10	RECEIVING BENEFITS -1_10
xJ2W426_2	RECEIVING BENEFITS -1_2
xJ2W426_3	RECEIVING BENEFITS -1_3
xJ2W426_4	RECEIVING BENEFITS -1_4
xJ2W426_5	RECEIVING BENEFITS -1_5
xJ2W426_6	RECEIVING BENEFITS -1_6
xJ2W426_7	RECEIVING BENEFITS -1_7
xJ2W426_8	RECEIVING BENEFITS -1_8
xJ2W426_9	RECEIVING BENEFITS -1_9
xJ2W434_1	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_1

xJ2W434_10	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_10
xJ2W434_2	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_2
xJ2W434_3	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_3
xJ2W434_4	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_4
xJ2W434_5	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_5
xJ2W434_6	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_6
xJ2W434_7	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_7
xJ2W434_8	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_8
xJ2W434_9	PLAN STATUS-RECEIVING REGULAR BENEFITS -1_9
xJ2W440_1	PLAN STATUS-CONVERTED TO ANNUITY -1_1
xJ2W440_10	PLAN STATUS-CONVERTED TO ANNUITY -1_10
xJ2W440_2	PLAN STATUS-CONVERTED TO ANNUITY -1_2
xJ2W440_3	PLAN STATUS-CONVERTED TO ANNUITY -1_3
xJ2W440_4	PLAN STATUS-CONVERTED TO ANNUITY -1_4
xJ2W440_5	PLAN STATUS-CONVERTED TO ANNUITY -1_5
xJ2W440_6	PLAN STATUS-CONVERTED TO ANNUITY -1_6
xJ2W440_7	PLAN STATUS-CONVERTED TO ANNUITY -1_7
xJ2W440_8	PLAN STATUS-CONVERTED TO ANNUITY -1_8
xJ2W440_9	PLAN STATUS-CONVERTED TO ANNUITY -1_9

Tracker:

xFINR	1992-2016 WHETHER FINANCIAL RESPONDENT
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Individual Income from Social Security DI or SSI

Wave	Variable	Label	Type
1	R1ISSDI	R1ISSDI:W1 Income:R SSI + SS Disability	Cont
2	R2ISSDI	R2ISSDI:W2 Income:R SSI + SS Disability	Cont
3	R3ISSDI	R3ISSDI:W3 Income:R SSI + SS Disability	Cont
4	R4ISSDI	R4ISSDI:W4 Income:R SSI + SS Disability	Cont
5	R5ISSDI	R5ISSDI:W5 Income:R SSI + SS Disability	Cont
6	R6ISSDI	R6ISSDI:W6 Income:R SSI + SS Disability	Cont
7	R7ISSDI	R7ISSDI:W7 Income:R SSI + SS Disability	Cont
8	R8ISSDI	R8ISSDI:W8 Income:R SSI + SS Disability	Cont
9	R9ISSDI	R9ISSDI:W9 Income:R SSI + SS Disability	Cont
10	R10ISSDI	R10ISSDI:W10 Income:R SSI + SS Disability	Cont
11	R11ISSDI	R11ISSDI:W11 Income:R SSI + SS Disability	Cont
12	R12ISSDI	R12ISSDI:W12 Income:R SSI + SS Disability	Cont
13	R13ISSDI	R13ISSDI:W13 Income:R SSI + SS Disability	Cont
1	S1ISSDI	S1ISSDI:W1 Income:Sp SSI + SS Disability	Cont
2	S2ISSDI	S2ISSDI:W2 Income:Sp SSI + SS Disability	Cont
3	S3ISSDI	S3ISSDI:W3 Income:Sp SSI + SS Disability	Cont
4	S4ISSDI	S4ISSDI:W4 Income:Sp SSI + SS Disability	Cont
5	S5ISSDI	S5ISSDI:W5 Income:Sp SSI + SS Disability	Cont
6	S6ISSDI	S6ISSDI:W6 Income:Sp SSI + SS Disability	Cont
7	S7ISSDI	S7ISSDI:W7 Income:Sp SSI + SS Disability	Cont
8	S8ISSDI	S8ISSDI:W8 Income:Sp SSI + SS Disability	Cont
9	S9ISSDI	S9ISSDI:W9 Income:Sp SSI + SS Disability	Cont
10	S10ISSDI	S10ISSDI:W10 Income:Sp SSI + SS Disability	Cont
11	S11ISSDI	S11ISSDI:W11 Income:Sp SSI + SS Disability	Cont
12	S12ISSDI	S12ISSDI:W12 Income:Sp SSI + SS Disability	Cont
13	S13ISSDI	S13ISSDI:W13 Income:Sp SSI + SS Disability	Cont
1	R1IFSSDI	R1IFSSDI:W1 ImpFlag:R SSI + SS Disability	Categ
2	R2IFSSDI	R2IFSSDI:W2 ImpFlag:R SSI + SS Disability	Categ
3	R3IFSSDI	R3IFSSDI:W3 ImpFlag:R SSI + SS Disability	Categ
4	R4IFSSDI	R4IFSSDI:W4 ImpFlag:R SSI + SS Disability	Categ
5	R5IFSSDI	R5IFSSDI:W5 ImpFlag:R SSI + SS Disability	Categ
6	R6IFSSDI	R6IFSSDI:W6 ImpFlag:R SSI + SS Disability	Categ
7	R7IFSSDI	R7IFSSDI:W7 ImpFlag:R SSI + SS Disability	Categ
8	R8IFSSDI	R8IFSSDI:W8 ImpFlag:R SSI + SS Disability	Categ
9	R9IFSSDI	R9IFSSDI:W9 ImpFlag:R SSI + SS Disability	Categ
10	R10IFSSDI	R10IFSSDI:W10 ImpFlag:R SSI + SS Disability	Categ
11	R11IFSSDI	R11IFSSDI:W11 ImpFlag:R SSI + SS Disability	Categ
12	R12IFSSDI	R12IFSSDI:W12 ImpFlag:R SSI + SS Disability	Categ
13	R13IFSSDI	R13IFSSDI:W13 ImpFlag:R SSI + SS Disability	Categ
1	S1IFSSDI	S1IFSSDI:W1 ImpFlag:Sp SSI + SS Disability	Categ
2	S2IFSSDI	S2IFSSDI:W2 ImpFlag:Sp SSI + SS Disability	Categ
3	S3IFSSDI	S3IFSSDI:W3 ImpFlag:Sp SSI + SS Disability	Categ
4	S4IFSSDI	S4IFSSDI:W4 ImpFlag:Sp SSI + SS Disability	Categ
5	S5IFSSDI	S5IFSSDI:W5 ImpFlag:Sp SSI + SS Disability	Categ
6	S6IFSSDI	S6IFSSDI:W6 ImpFlag:Sp SSI + SS Disability	Categ
7	S7IFSSDI	S7IFSSDI:W7 ImpFlag:Sp SSI + SS Disability	Categ
8	S8IFSSDI	S8IFSSDI:W8 ImpFlag:Sp SSI + SS Disability	Categ
9	S9IFSSDI	S9IFSSDI:W9 ImpFlag:Sp SSI + SS Disability	Categ
10	S10IFSSDI	S10IFSSDI:W10 ImpFlag:Sp SSI + SS Disability	Categ
11	S11IFSSDI	S11IFSSDI:W11 ImpFlag:Sp SSI + SS Disability	Categ
12	S12IFSSDI	S12IFSSDI:W12 ImpFlag:Sp SSI + SS Disability	Categ
13	S13IFSSDI	S13IFSSDI:W13 ImpFlag:Sp SSI + SS Disability	Categ
1	R1ISDI	R1ISDI:W1 IncPart-SocSec DI	Cont
2	R2ISDI	R2ISDI:W2 IncPart-SocSec DI	Cont
3	R3ISDI	R3ISDI:W3 IncPart-SocSec DI	Cont
4	R4ISDI	R4ISDI:W4 IncPart-SocSec DI	Cont
5	R5ISDI	R5ISDI:W5 IncPart-SocSec DI	Cont
6	R6ISDI	R6ISDI:W6 IncPart-SocSec DI	Cont
7	R7ISDI	R7ISDI:W7 IncPart-SocSec DI	Cont
8	R8ISDI	R8ISDI:W8 IncPart-SocSec DI	Cont
9	R9ISDI	R9ISDI:W9 IncPart-SocSec DI	Cont
10	R10ISDI	R10ISDI:W10 IncPart-SocSec DI	Cont

11	R11ISDI	R11ISDI:W11 IncPart-SocSec DI	Cont
12	R12ISDI	R12ISDI:W12 IncPart-SocSec DI	Cont
13	R13ISDI	R13ISDI:W13 IncPart-SocSec DI	Cont
1	S1ISDI	S1ISDI:W1 IncPart-SocSec DI	Cont
2	S2ISDI	S2ISDI:W2 IncPart-SocSec DI	Cont
3	S3ISDI	S3ISDI:W3 IncPart-SocSec DI	Cont
4	S4ISDI	S4ISDI:W4 IncPart-SocSec DI	Cont
5	S5ISDI	S5ISDI:W5 IncPart-SocSec DI	Cont
6	S6ISDI	S6ISDI:W6 IncPart-SocSec DI	Cont
7	S7ISDI	S7ISDI:W7 IncPart-SocSec DI	Cont
8	S8ISDI	S8ISDI:W8 IncPart-SocSec DI	Cont
9	S9ISDI	S9ISDI:W9 IncPart-SocSec DI	Cont
10	S10ISDI	S10ISDI:W10 IncPart-SocSec DI	Cont
11	S11ISDI	S11ISDI:W11 IncPart-SocSec DI	Cont
12	S12ISDI	S12ISDI:W12 IncPart-SocSec DI	Cont
13	S13ISDI	S13ISDI:W13 IncPart-SocSec DI	Cont
1	R1IFSDI	R1IFSDI:W1 ImpFlag-SocSec DI	Categ
2	R2IFSDI	R2IFSDI:W2 ImpFlag-SocSec DI	Categ
3	R3IFSDI	R3IFSDI:W3 ImpFlag-SocSec DI	Categ
4	R4IFSDI	R4IFSDI:W4 ImpFlag-SocSec DI	Categ
5	R5IFSDI	R5IFSDI:W5 ImpFlag-SocSec DI	Categ
6	R6IFSDI	R6IFSDI:W6 ImpFlag-SocSec DI	Categ
7	R7IFSDI	R7IFSDI:W7 ImpFlag-SocSec DI	Categ
8	R8IFSDI	R8IFSDI:W8 ImpFlag-SocSec DI	Categ
9	R9IFSDI	R9IFSDI:W9 ImpFlag-SocSec DI	Categ
10	R10IFSDI	R10IFSDI:W10 ImpFlag-SocSec DI	Categ
11	R11IFSDI	R11IFSDI:W11 ImpFlag-SocSec DI	Categ
12	R12IFSDI	R12IFSDI:W12 ImpFlag-SocSec DI	Categ
13	R13IFSDI	R13IFSDI:W13 ImpFlag-SocSec DI	Categ
1	S1IFSDI	S1IFSDI:W1 ImpFlag-SocSec DI	Categ
2	S2IFSDI	S2IFSDI:W2 ImpFlag-SocSec DI	Categ
3	S3IFSDI	S3IFSDI:W3 ImpFlag-SocSec DI	Categ
4	S4IFSDI	S4IFSDI:W4 ImpFlag-SocSec DI	Categ
5	S5IFSDI	S5IFSDI:W5 ImpFlag-SocSec DI	Categ
6	S6IFSDI	S6IFSDI:W6 ImpFlag-SocSec DI	Categ
7	S7IFSDI	S7IFSDI:W7 ImpFlag-SocSec DI	Categ
8	S8IFSDI	S8IFSDI:W8 ImpFlag-SocSec DI	Categ
9	S9IFSDI	S9IFSDI:W9 ImpFlag-SocSec DI	Categ
10	S10IFSDI	S10IFSDI:W10 ImpFlag-SocSec DI	Categ
11	S11IFSDI	S11IFSDI:W11 ImpFlag-SocSec DI	Categ
12	S12IFSDI	S12IFSDI:W12 ImpFlag-SocSec DI	Categ
13	S13IFSDI	S13IFSDI:W13 ImpFlag-SocSec DI	Categ
1	R1ISSI	R1ISSI:W1 IncPart-SSI Inc	Cont
2	R2ISSI	R2ISSI:W2 IncPart-SSI Inc	Cont
3	R3ISSI	R3ISSI:W3 IncPart-SSI Inc	Cont
4	R4ISSI	R4ISSI:W4 IncPart-SSI Inc	Cont
5	R5ISSI	R5ISSI:W5 IncPart-SSI Inc	Cont
6	R6ISSI	R6ISSI:W6 IncPart-SSI Inc	Cont
7	R7ISSI	R7ISSI:W7 IncPart-SSI Inc	Cont
8	R8ISSI	R8ISSI:W8 IncPart-SSI Inc	Cont
9	R9ISSI	R9ISSI:W9 IncPart-SSI Inc	Cont
10	R10ISSI	R10ISSI:W10 IncPart-SSI Inc	Cont
11	R11ISSI	R11ISSI:W11 IncPart-SSI Inc	Cont
12	R12ISSI	R12ISSI:W12 IncPart-SSI Inc	Cont
13	R13ISSI	R13ISSI:W13 IncPart-SSI Inc	Cont
1	S1ISSI	S1ISSI:W1 IncPart-SSI Inc	Cont
2	S2ISSI	S2ISSI:W2 IncPart-SSI Inc	Cont
3	S3ISSI	S3ISSI:W3 IncPart-SSI Inc	Cont
4	S4ISSI	S4ISSI:W4 IncPart-SSI Inc	Cont
5	S5ISSI	S5ISSI:W5 IncPart-SSI Inc	Cont
6	S6ISSI	S6ISSI:W6 IncPart-SSI Inc	Cont
7	S7ISSI	S7ISSI:W7 IncPart-SSI Inc	Cont
8	S8ISSI	S8ISSI:W8 IncPart-SSI Inc	Cont
9	S9ISSI	S9ISSI:W9 IncPart-SSI Inc	Cont
10	S10ISSI	S10ISSI:W10 IncPart-SSI Inc	Cont
11	S11ISSI	S11ISSI:W11 IncPart-SSI Inc	Cont
12	S12ISSI	S12ISSI:W12 IncPart-SSI Inc	Cont

13	S13ISSI	S13ISSI:W13 IncPart-SSI Inc	Cont
2	H2IFSSI	H2IFSSI:W2 ImpFlag-SSI Inc	Categ
3	H3IFSSI	H3IFSSI:W3 ImpFlag-SSI Inc	Categ
4	H4IFSSI	H4IFSSI:W4 ImpFlag-SSI Inc	Categ
5	H5IFSSI	H5IFSSI:W5 ImpFlag-SSI Inc	Categ
6	H6IFSSI	H6IFSSI:W6 ImpFlag-SSI Inc	Categ
7	H7IFSSI	H7IFSSI:W7 ImpFlag-SSI Inc	Categ
8	H8IFSSI	H8IFSSI:W8 ImpFlag-SSI Inc	Categ
9	H9IFSSI	H9IFSSI:W9 ImpFlag-SSI Inc	Categ
10	H10IFSSI	H10IFSSI:W10 ImpFlag-SSI Inc	Categ
11	H11IFSSI	H11IFSSI:W11 ImpFlag-SSI Inc	Categ
12	H12IFSSI	H12IFSSI:W12 ImpFlag-SSI Inc	Categ
13	H13IFSSI	H13IFSSI:W13 ImpFlag-SSI Inc	Categ
1	R1IFSSI	R1IFSSI:W1 ImpFlag-SSI Inc	Categ
2	R2IFSSI	R2IFSSI:W2 ImpFlag-SSI Inc	Categ
1	S1IFSSI	S1IFSSI:W1 ImpFlag-SSI Inc	Categ
2	S2IFSSI	S2IFSSI:W2 ImpFlag-SSI Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ISSDI	12652	398.81	1760.02	0.0	30000.0
R2ISSDI	19642	396.72	1961.64	0.0	128604.0
R3ISSDI	17991	453.54	2472.69	0.0	144000.0
R4ISSDI	21384	373.64	2200.55	0.0	149760.0
R5ISSDI	19578	308.27	1770.01	0.0	105816.0
R6ISSDI	18165	395.07	1931.02	0.0	51072.0
R7ISSDI	20129	425.02	2071.14	0.0	38832.0
R8ISSDI	18469	502.67	2321.70	0.0	37200.0
R9ISSDI	17217	477.46	2323.35	0.0	33276.6
R10ISSDI	22034	695.71	2953.91	0.0	50400.0
R11ISSDI	20554	697.95	2993.97	0.0	74400.0
R12ISSDI	18747	807.53	3320.10	0.0	56400.0
R13ISSDI	20912	990.16	3767.74	0.0	95136.0
S1ISSDI	10279	309.42	1613.89	0.0	30000.0
S2ISSDI	13674	294.31	1896.19	0.0	128604.0
S3ISSDI	12334	322.07	2247.49	0.0	132732.0
S4ISSDI	14516	283.45	1970.74	0.0	119940.0
S5ISSDI	13041	222.03	1717.14	0.0	105816.0
S6ISSDI	11859	314.93	1833.96	0.0	31740.0
S7ISSDI	13352	321.88	1927.64	0.0	38832.0
S8ISSDI	12052	419.78	2271.93	0.0	37200.0
S9ISSDI	11012	375.80	2194.46	0.0	33276.6
S10ISSDI	14235	491.83	2634.77	0.0	50400.0
S11ISSDI	13080	506.00	2696.23	0.0	74400.0
S12ISSDI	11622	579.37	3032.52	0.0	54000.0
S13ISSDI	12888	683.78	3269.91	0.0	52800.0
R1IFSSDI	12652	0.15	0.83	0.0	9.0
R2IFSSDI	19642	0.18	0.83	0.0	9.0
R3IFSSDI	17991	0.17	0.82	0.0	9.0
R4IFSSDI	21384	0.18	0.93	0.0	9.0
R5IFSSDI	19578	0.15	0.81	0.0	9.0
R6IFSSDI	18165	0.12	0.54	0.0	9.0
R7IFSSDI	20129	0.12	0.63	0.0	9.0

R8IFSSDI	18469	0.12	0.60	0.0	9.0
R9IFSSDI	17217	0.12	0.64	0.0	9.0
R10IFSSDI	22034	0.25	1.14	0.0	9.0
R11IFSSDI	20554	0.19	0.86	0.0	9.0
R12IFSSDI	18747	0.20	0.94	0.0	9.0
R13IFSSDI	20912	0.29	1.20	0.0	9.0
S1IFSSDI	12652	1.62	3.17	0.0	9.0
S2IFSSDI	19642	2.54	3.68	0.0	9.0
S3IFSSDI	17991	2.61	3.71	0.0	9.0
S4IFSSDI	21384	2.69	3.75	0.0	9.0
S5IFSSDI	19578	2.75	3.77	0.0	9.0
S6IFSSDI	18165	2.84	3.79	0.0	9.0
S7IFSSDI	20129	2.77	3.77	0.0	9.0
S8IFSSDI	18469	2.85	3.79	0.0	9.0
S9IFSSDI	17217	2.96	3.83	0.0	9.0
S10IFSSDI	22034	3.00	3.84	0.0	9.0
S11IFSSDI	20554	3.03	3.84	0.0	9.0
S12IFSSDI	18747	3.17	3.87	0.0	9.0
S13IFSSDI	20912	3.27	3.89	0.0	9.0
R1ISDI	12652	265.29	1502.21	0.0	30000.0
R2ISDI	19642	244.65	1756.20	0.0	128604.0
R3ISDI	17991	285.55	2260.20	0.0	144000.0
R4ISDI	21384	190.19	1672.04	0.0	149760.0
R5ISDI	19578	150.42	1467.46	0.0	105816.0
R6ISDI	18165	244.49	1631.20	0.0	22800.0
R7ISDI	20129	264.71	1747.27	0.0	38832.0
R8ISDI	18469	337.91	2048.31	0.0	37200.0
R9ISDI	17217	303.93	1996.93	0.0	30696.0
R10ISDI	22034	480.34	2519.75	0.0	39600.0
R11ISDI	20554	471.20	2510.38	0.0	49200.0
R12ISDI	18747	553.82	2807.09	0.0	38400.0
R13ISDI	20912	669.80	3057.68	0.0	44400.0
S1ISDI	10279	238.37	1448.37	0.0	30000.0
S2ISDI	13674	231.40	1795.53	0.0	128604.0
S3ISDI	12334	250.21	2137.74	0.0	132732.0
S4ISDI	14516	180.52	1351.85	0.0	17052.0
S5ISDI	13041	156.11	1578.00	0.0	105816.0
S6ISDI	11859	253.63	1695.91	0.0	22800.0
S7ISDI	13352	251.96	1760.52	0.0	38832.0
S8ISDI	12052	347.10	2123.99	0.0	37200.0
S9ISDI	11012	299.24	2020.92	0.0	30696.0
S10ISDI	14235	387.29	2341.73	0.0	39600.0
S11ISDI	13080	400.62	2420.48	0.0	49200.0
S12ISDI	11622	440.12	2619.65	0.0	38400.0
S13ISDI	12888	511.07	2785.14	0.0	44400.0
R1IFSDI	12652	5.84	0.97	1.0	9.0
R2IFSDI	19642	5.88	0.89	1.0	9.0
R3IFSDI	17991	5.85	0.94	1.0	9.0
R4IFSDI	21384	5.92	0.80	1.0	9.0
R5IFSDI	19578	5.95	0.66	1.0	9.0
R6IFSDI	18165	5.89	0.76	1.0	9.0
R7IFSDI	20129	5.89	0.80	1.0	9.0
R8IFSDI	18469	5.86	0.85	1.0	9.0
R9IFSDI	17217	5.89	0.80	1.0	9.0
R10IFSDI	22034	5.86	1.02	1.0	9.0

R11IFSDI	20554	5.83	0.99	1.0	9.0
R12IFSDI	18747	5.82	1.03	1.0	9.0
R13IFSDI	20912	5.80	1.16	1.0	9.0
S1IFSDI	12652	6.27	1.17	1.0	9.0
S2IFSDI	19642	6.54	1.19	1.0	9.0
S3IFSDI	17991	6.55	1.22	1.0	9.0
S4IFSDI	21384	6.60	1.16	1.0	9.0
S5IFSDI	19578	6.63	1.11	1.0	9.0
S6IFSDI	18165	6.62	1.18	1.0	9.0
S7IFSDI	20129	6.61	1.17	1.0	9.0
S8IFSDI	18469	6.61	1.22	1.0	9.0
S9IFSDI	17217	6.66	1.18	1.0	9.0
S10IFSDI	22034	6.66	1.24	1.0	9.0
S11IFSDI	20554	6.66	1.24	1.0	9.0
S12IFSDI	18747	6.69	1.25	1.0	9.0
S13IFSDI	20912	6.71	1.30	1.0	9.0
R1ISSI	12652	133.52	878.43	0.0	16800.0
R2ISSI	19642	152.07	867.43	0.0	16152.0
R3ISSI	17991	167.99	944.05	0.0	22270.0
R4ISSI	21384	183.45	1365.72	0.0	119940.0
R5ISSI	19578	157.85	982.07	0.0	35000.0
R6ISSI	18165	150.58	1000.42	0.0	51072.0
R7ISSI	20129	160.31	1044.22	0.0	37200.0
R8ISSI	18469	164.76	1047.83	0.0	20400.0
R9ISSI	17217	173.53	1166.73	0.0	33276.6
R10ISSI	22034	215.37	1353.28	0.0	38545.1
R11ISSI	20554	226.75	1496.64	0.0	72000.0
R12ISSI	18747	253.71	1565.36	0.0	56400.0
R13ISSI	20912	320.35	1845.00	0.0	85668.0
S1ISSI	10279	71.04	666.15	0.0	16800.0
S2ISSI	13674	62.91	593.63	0.0	16152.0
S3ISSI	12334	71.86	654.80	0.0	19674.7
S4ISSI	14516	102.92	1344.39	0.0	119940.0
S5ISSI	13041	65.92	651.73	0.0	15600.0
S6ISSI	11859	61.30	616.51	0.0	16800.0
S7ISSI	13352	69.92	700.16	0.0	17520.0
S8ISSI	12052	72.68	731.17	0.0	20400.0
S9ISSI	11012	76.56	825.34	0.0	33276.6
S10ISSI	14235	104.54	988.62	0.0	38545.1
S11ISSI	13080	105.39	936.68	0.0	25200.0
S12ISSI	11622	139.25	1233.96	0.0	29081.9
S13ISSI	12888	172.70	1343.36	0.0	26400.0
H2IFSSI	8222	5.68	1.26	1.0	9.0
H3IFSSI	17991	5.76	1.14	1.0	9.0
H4IFSSI	21384	5.77	1.16	1.0	9.0
H5IFSSI	19578	5.79	1.09	1.0	9.0
H6IFSSI	18165	5.80	1.02	1.0	9.0
H7IFSSI	20129	5.81	1.03	1.0	9.0
H8IFSSI	18469	5.80	1.02	1.0	9.0
H9IFSSI	17217	5.81	1.01	1.0	9.0
H10IFSSI	22034	5.85	1.11	1.0	9.0
H11IFSSI	20554	5.80	1.09	1.0	9.0
H12IFSSI	18747	5.80	1.12	1.0	9.0
H13IFSSI	20912	5.80	1.20	1.0	9.0

R1IFSSI	12652	5.89	0.86	1.0	9.0
R2IFSSI	11420	5.90	0.90	1.0	9.0
S1IFSSI	12652	6.34	1.00	1.0	9.0
S2IFSSI	11420	6.38	1.00	1.0	9.0

Categorical Variable Codes

RwIFSSDI: ImpFlag:R SSI + SS Disability

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	11703	17698	16220	19456	18043	16710	18530	16934	15857	19611
1.No imputations	|	726	1347	1379	1430	1125	1071	1212	1184	1032	1551
2.Some imputation	|	128	463	266	291	273	346	314	294	262	545
9.No Fin Resp	|	95	134	126	207	137	38	73	57	66	327

Value		w11	w12	w13
0.No income	|	18451	16741	18253
1.No imputations	|	1483	1405	1763
2.Some imputation	|	463	425	550
9.No Fin Resp	|	157	176	346

SwIFSSDI: ImpFlag:Sp SSI + SS Disability

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	9667	12709	11463	13506	12310	11161	12557	11264	10338	12931
1.No imputations	|	430	591	663	657	499	489	564	584	488	717
2.Some imputation	|	87	270	122	168	139	176	162	155	128	313
8.No Sp/Part->no incm	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	104	86	185	93	33	69	49	58	274

Value		w11	w12	w13
0.No income	|	11990	10619	11506
1.No imputations	|	662	603	760
2.Some imputation	|	288	248	323
8.No Sp/Part->no incm	|	7474	7125	8024
9.No Fin Resp	|	140	152	299

RwIFSDI: ImpFlag-SocSec DI

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	450	571	589	455	283	396	483	506	407	793
2.Complete bracket	|			27	28	19	23	23	32	17	28
3.Incomplete bracket	|			8	5	2	1	3	3	5	8
5.No value/bracket	|	50	57	31	16	13	54	47	47	32	99
6.No income	|	12005	18641	17154	20610	19061	17583	19465	17803	16662	20710
7.DK if income	|	52	239	56	63	63	70	35	21	28	69
9.No Fin Resp	|	95	134	126	207	137	38	73	57	66	327

Value		w11	w12	w13
1.Continuous value	|	750	726	985
2.Complete bracket	|	35	43	56
3.Incomplete bracket	|	7	10	10
5.No value/bracket	|	85	66	105
6.No income	|	19477	17675	19346
7.DK if income	|	43	51	64
9.No Fin Resp	|	157	176	346

SwIFSDI: ImpFlag-SocSec DI

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Continuous value	|	312	349	334	283	184	256	276	320	236	371
2.Complete bracket	|			16	21	14	20	13	22	15	19
3.Incomplete bracket	|			2	4	2		3	3	2	7
5.No value/bracket	|	36	37	13	9	11	38	35	34	26	68
6.No income	|	9795	13020	11852	13978	12699	11476	12925	11607	10654	13445
7.DK if income	|	41	164	31	36	38	36	31	17	21	51
8.No spouse/partner	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	104	86	185	93	33	69	49	58	274

Value		w11	w12	w13
1.Continuous value	|	348	314	407
2.Complete bracket	|	20	24	26
3.Incomplete bracket	|	3	5	4
5.No value/bracket	|	67	50	74
6.No income	|	12452	11026	12022
7.DK if income	|	50	51	56
8.No spouse/partner	|	7474	7125	8024
9.No Fin Resp	|	140	152	299

RwIFSSI: ImpFlag-SSI Inc

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		8222								
1.Continuous value	|	347	324								
5.No value/bracket	|	29	17								
6.No income	|	12133	10858								
7.DK if income	|	48	97								
9.No Fin Resp	|	95	124								

Value		w11	w12	w13
.Q=Not asked this wv	|			
1.Continuous value	|			
5.No value/bracket	|			
6.No income	|			
7.DK if income	|			
9.No Fin Resp	|			

SwIFSSI: ImpFlag-SSI Inc

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		4549								
.U=Unmarried	|		3673								
1.Continuous value	|	147	114								
5.No value/bracket	|	12	8								
6.No income	|	9988	8846								
7.DK if income	|	37	57								
8.No spouse/partner	|	2373	2295								
9.No Fin Resp	|	95	100								

Value		w11	w12	w13
.Q=Not asked this wv	|			
.U=Unmarried	|			
1.Continuous value	|			
5.No value/bracket	|			
6.No income	|			
7.DK if income	|			
8.No spouse/partner	|			
9.No Fin Resp	|			

HwIFSSI: ImpFlag-SSI Inc											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		11420								
1.Continuous value	|		548	906	1067	876	722	804	743	674	926
2.Complete bracket	|			43	79	48	56	53	45	34	36
3.Incomplete bracket	|			2	8	3	8	3	5	4	8
5.No value/bracket	|		38	79	54	52	50	45	47	42	64
6.No income	|		7477	16781	19886	18346	17171	19023	17455	16279	20384
7.DK if income	|		149	54	83	116	113	112	109	109	198
9.No Fin Resp	|		10	126	207	137	45	89	65	75	418

Value		w11	w12	w13
.Q=Not asked this wv	|			
1.Continuous value	|	886	850	1056
2.Complete bracket	|	64	70	59
3.Incomplete bracket	|	10	8	6
5.No value/bracket	|	77	34	64
6.No income	|	19181	17420	19133
7.DK if income	|	165	166	219
9.No Fin Resp	|	171	199	375

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

RwISSDI is the sum of the Respondent's income from Social Security disability (SDI) and Supplemental Security income (SSI) in the last calendar year. Income from SDI and SSI are available separately in RwISDI and RwISSI. RwIFSSDI is a flag that indicates whether any components are imputed in the combined measure. RwIFSDI, RwIFSSI, and HwIFSSI flag whether these components are imputed, and if so, how much information is available to impute from.

SwISSDI, SwISDI, SwISSI, SwIFSSDI, SwIFSDI and SwIFSSI are the analogous spouse values.

In Waves 1 and 2H, SSI income is reported individually. In Wave 2A and from Wave 3 forward, it is reported for the household. In a single household, it is assigned to the Respondent. In couple households in Waves 2A and 3A, the household amount is split evenly between the Respondent and spouse. That is, RwISSI is the same as SwISSI, and both are equal to household SSI divided by two ($RwISSI = SwISSI = SSI / 2$). In couple households in Waves 3H forward, it is allocated to the Respondent and/or spouse using an HRS Core Interview variable indicating who received income from SSI. If that variable is missing or indicates both Respondent and spouse jointly received income from SSI, the household amount is split evenly between the Respondent and spouse. RwISSI and SwISSI reflect the last calendar year (LCY) amounts allocated to Respondent and spouse, respectively.

In Waves 1, 2, and 3A, the type of Social Security income received is asked. The type can be retirement, disability, survivor benefits, dependent of retired, dependent of disabled or other, and Respondents can name up to two different types. The total Social

Security income amount is reported, rather than separated by types received. Therefore, we decided that if a person reports receiving disability income, even if s/he also reports getting another type of income from Social Security, the amount s/he indicated would be considered disability income. In Wave 1, if a joint check is received, the type is not asked and is assumed to be retirement income unless disability income is otherwise indicated. From Wave 3H forward, the type of Social Security income is not asked. Instead, variables in the disability section indicating whether the Respondent and spouse receive Social Security disability are used to determine whether Social Security reported in the income section is disability income. RwiSSDI and SwiSSDI only include Social Security income if it is received due to disability. SSI income is always included.

In Waves 1 and 2H and from Wave 3H forward, we incorporated logic that examines the ages of Respondents and spouses. For those who have reached full retirement age at the time of the interview and receive Social Security disability income, we override the disability income and assign it instead retirement income. This is based on the notion that disability benefits automatically convert to retirement benefits at full retirement age.

In Wave 1, the questions ask the annual amount of Social Security and SSI received in 1991. From Wave 2 forward, a monthly amount is asked. For Social Security, the first month received is also asked. Beginning in Wave 2H, the SSI questions ask which months since last interview SSI was received. The variable derivation checks the month income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

Cross Wave Differences in Original HRS Data

The way the Social Security and Supplemental Security Income questions are asked varies across waves.

In Wave 1, the questions asked the annual amount of Social Security and SSI received in 1991. In Wave 1 and Wave 2A, if the Respondent and spouse received a joint check for Social Security, only one amount is asked; if they received separate checks, amounts were asked for each individual. From Wave 2 forward, a monthly amount is asked. For social security the first month received is also asked. Beginning in Wave 2H, the SSI questions ask which months since the last interview SSI was received. The variable derivation checks that the monthly income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

From Wave 3 forward, if the Respondent refuses or does not know the value of monthly Social Security or Supplemental Security income, a series of unfolding bracket questions are asked. The bracket amounts for Social Security income change in Wave 5 but otherwise are the same across waves. The exception to this is in Wave 3A, where the bracket amounts are based on the last year rather than the last month. In Waves 1 and 2, no unfolding bracket questions are asked.

From Wave 6 forward, there are two possible sources of information about whether the spouse receives social security: (1) the Financial Respondent's report in the HRS Income section (Section Q); and (2) the spouse's self-report in the Employment section (Section J). To determine whether the spouse has any social security income, we use the spouse's self-report. However, if the spouse did not respond, or the self-report is missing, we use the Financial Respondent's report. Our rationale for doing this is that the self-report is probably more accurate. It is also important to note that the self-report in the employment section is the only question about whether the Financial Respondent currently receives social security income.

In Wave 7, an additional response option ("6. SSDI HAS CONVERTED TO SOCIAL SECURITY (VOL)") was added to the following question, which helped us determine whether the type of social security income being received was for retirement or disability:

"According to our records...you were receiving benefits from the Social Security Disability program or the Supplemental Security Income program. Which program was this: the Social Security Disability or the Supplemental Security Income program, or both?"

For Respondents who reported a conversion, we added logic to check the ages of these individuals before designating them as receiving social security retirement income. Specifically, to designate as retirement income instead of disability income, we required that a person be full retirement age at the time of the interview or have an end year for their social security income before the last calendar year.

Because of the differences in the way income information was collected for the HRS and AHEAD samples in Wave 2, the income component imputation flags that apply vary, depending on the entry cohort of the Respondent. For AHEAD entry cohort Respondents, R2IFSSI and S2IFSSI are set to .Q to indicate that the corresponding income components are not available in Wave 2A. For HRS entry cohort Respondents, H2IFSSI is set to .Q to indicate that the corresponding income components are not available in

Wave 2.

HRS Variables Used

HRS 1992:

V15801	N28:RECV SSI IN 1991:IND
V15802	N28A:WHO RECEIVED SS:IND
V15803	N29 SSI:R1 REC91IND :IND
V15823	N33 SSI:R2 REC91IND :IND
V16001	N41:SS:RCV SOC SEC I:IND
V16003	N41B:SS: AMT RECD I:IND
V16012	N42A:SS:R1: AMT REC:IND
V16021	N42A:SS:R2 AMT RECV:IND
V16030	N43A:SS:R1: AMT REC:IND
V16107	N44A:SS:R2 AMT RECV:IND
V5801	N28:RECV SSI IN 1991:IMP
V5802	N28A:WHO RECEIVED SS:IMP
V5803	N29:SSI:R1\$AMT RECV :IMP
V5804	N29:SSI:R1RECEIVED P:IMP
V5823	N33:SSI:R2 AMT RECV :IMP
V5824	N33:SSI:R2RECEIVED P:IMP
V6001	N41:SS:RCV SOC SEC I:IMP
V6002	N41A:SS:1CHK/SEPARATE CK
V6003	N41B:SS: AMT RECVD :IMP
V6007	N42:SS:R1DISABILITY
V6012	N42A:SS:R1 AMT RECV:IMP
V6016	N42:SS:R2DISABILITY
V6021	N42A:SS:R2 AMT RECV:IMP
V6025	N43:SS:R1DISABILITY
V6030	N43A:SS:R1 AMT RECV:IMP
V6102	N44:SS:R2DISABILITY
V6107	N44A:SS:R2 AMT RECV:IMP

AHEAD 1993:

B1376	J1. SS: RECEIVE ANY
B1377	J1a. SS: 1 OR 2 CHECKS
B1378	J2. SS: R TYPE
B1379	J2b. SS: R \$ LAST MONTH
B1381	J2d. SS: R START MONTH
B1382	J2e. SS: R START YEAR
B1389	J3. SS: SP TYPE
B1390	J3a. SS: SP \$ LAST MONTH
B1392	J3c. SS: SP START MONTH
B1393	J3d. SS: SP START YEAR
B1413	J6. SSI: RECEIVE ANY LAST MONTH
B1414	J7. SSI: \$ LAST MONTH
B1415	J8. SSI: START >2YRS AGO
B1416	J8a. SSI: START MONTH
B1417	J8b. SSI: START YEAR
B1418	J9. SSI: RECEIVE ANY 1992/3
B1419	J10. SSI: LAST MONTH RECD 1992/3
B1420	J10a. SSI: LAST YEAR RECD 1992/3
B1421	J11. SSI: \$ LAST MONTH 1992/3

HRS 1994:

W16204	N22d. Imputation flag
W16253	N23. Imputation flag
W16254	N23a. Imputation flag
W16260	N23c. Imputation flag
W16268	N23g. Imputation flag

W6157	N22.SUPPLEMENTAL SECURIT
W6158	N22a.WHO RECEIVED SSI
W6159	N22b.WHICH MONTHS
W6160	N22b.START/STOP RECEIVIN
W6161	N22b.START/STOP RECEIVIN
W6174	N22c. Jan 1993
W6175	N22c. Feb 1993
W6176	N22c. Mar 1993
W6177	N22c. Apr 1993
W6178	N22c. May 1993
W6179	N22c. Jun 1993
W6180	N22c. Jul 1993
W6181	N22c. Aug 1993
W6182	N22c. Sep 1993
W6183	N22c. Oct 1993
W6184	N22c. Nov 1993
W6185	N22c. Dec 1993
W6199	N22c. All of 1993
W6201	N22c. Other
W6202	N22c. DK
W6203	N22c. RF
W6204	N22d.AMT SSI LAST MONTH
W6205	N22e.AMT SSI LAST MONTH
W6206	N22f.SP-WHICH MONTHS
W6207	N22f.SP-START/STOP RECEI
W6208	N22f.SP-START/STOP RECEI
W6221	N22g. Jan 1993
W6222	N22g. Feb 1993
W6223	N22g. Mar 1993
W6224	N22g. Apr 1993
W6225	N22g. May 1993
W6226	N22g. Jun 1993
W6227	N22g. Jul 1993
W6228	N22g. Aug 1993
W6229	N22g. Sep 1993
W6230	N22g. Oct 1993
W6231	N22g. Nov 1993
W6232	N22g. Dec 1993
W6248	N22g. Other
W6249	N22g. DK
W6250	N22g. RF
W6251	N22h.SP-AMT SSI LAST MON
W6252	N22k.SP-AMT SSI LAST MON
W6253	N23.SOCIAL SECURITY?
W6254	N23a.WHO RECEIVED SOCIAL
W6255	N23b.TYPE SOCIAL SECURIT
W6256	N23b.TYPE SOCIAL SECURIT
W6260	N23c.AMT SS LAST MONTH
W6261	N23e.START RECEIVING SS-
W6262	N23e.START RECEIVING SS-
W6263	N23f.SP-TYPE SOCIAL SECU
W6264	N23f.SP-TYPE SOCIAL SECU
W6268	N23g.SP-AMT SS LAST MONT
W6269	N23h.SP-START RECEIVING
W6270	N23h.SP-START RECEIVING
AHEAD 1995:	
D3875	J1.RECEIVE SOC SEC
D3877M1	J2.R TYPE SOC SEC
D3877M2	J2.R TYPE SOC SEC

D3878	J3.AMT SOC SEC LAST MNTH
D3879	J3A.AMT SS R DK-1
D3880	J3B.AMT SS R DK-2
D3881	J3C.AMT SS R DK-3
D3883	J4A.MONTH START SOC SEC
D3884	J4A.YEAR START SOC SEC
D3885	J5.SP REC SS
D3886M1	J5A.SP TYPE SOC SEC
D3886M2	J5A.SP TYPE SOC SEC
D3888	J6.AMT SOC SEC LAST MNTH SP/PT
D3889	J6A.AMT SS S DK-1
D3890	J6B.AMT SS S DK-2
D3891	J6C.AMT SS S DK-3
D3893	J7A.MONTH START SOC SEC SP/PT
D3894	J7B.YEAR START SOC SEC SP/PT
D3911	J10. SSI-MONTH
D3912	J11. SSI \$
D3913	J11A.AMT SS R DK-1
D3914	J11B.AMT SS R DK-2
D3915	J11C.AMT SS R DK-3
D3917	J11E. SSI-MONTH
D3918	J11F. SSI
HRS 1996:	
E3580	GD18. RECEIVE SSD/SSI
E3582	GD18B. SS STOP-YR
E3606	GD26F1. SS RECEIVE-YR
E3614	GD26J. SS-STILL RECEIVING
E3616	GD26K1. SS STOP-YR
E3983	J45.SOC SEC INCOME
E3984	J46.WHO RECEIVE SOC SEC INCOME
E3985	J47.R AMT RECVD SS LAST MO
E3986	J47A.R \$ RECVD SS LAST MO DK-1K
E3987	J47B.R \$ RECVD SS LAST MO DK-1.5K
E3989	J47D.R \$ RECVD SS LAST MO DK-500
E3990	J48.R RECV SS BENEFITS START YEAR
E3991	J49.SS BENEFITS START MONTH
E3996	J50A1.SP HOW MUCH SS BENEFITS
E3997	J50A2.SP \$ SS BENEFITS DK-1K
E3998	J50A3.SP \$ SS BENEFITS DK-1.5K
E4000	J50A5.SP \$ SS BENEFITS DK-500
E4001	J50B1.SP BENEFITS START - YEAR
E4002	J50B2.SP BENEFITS START - MONTH
E4021	J59.R/S SSI-LAST MONTH
E4022	J60.WHO RECEIVED SSI
E4023	J61.R/S SSI \$
E4024	J61A.R/S SSI \$ DK-500
E4025	J61B.R/S SSI \$ DK-750
E4026	J61C.R/S SSI \$ DK-250
E4027	J62.SSI START YEAR
E4028	J62B.SSI START MONTH
HRS 1998:	
F272	PREV WAVE R REC SS
F273	PREV WAVE S/P REC SS
F274	PREV WAVE SSI
F4088	GD18. RECEIVE SSD/SSI
F4090	GD18B. SS STOP-YR
F4135	GD26F1. SS RECEIVE-YR
F4139	GD26J. SS-STILL RECEIVING
F4141	GD26K1. SS STOP-YR

F4498	GJ123F1.SS AWARDED - YEAR
F4502	GJ123J.STILL RECEIVING BENEFITS
F4504	GJ123K1.BENEFITS STOPPED - YEAR
F4743	J45.SOC SEC INCOME
F4744	J46.WHO RECEIVE SOC SEC INCOME
F4745	J47.R AMT RECVD SS LAST MO
F4746	J47A.R DK-1K
F4747	J47B.R DK-1,500
F4749	J47D.R DK-500
F4750	J48.R SS BENEFITS START YEAR
F4751	J49.R SS BENEFITS START MONTH
F4756	J50A1.SP HOW MUCH SS BENEFITS
F4757	J50A2.SP DK-1K
F4758	J50A3.SP DK-1,500
F4760	J50A5.SP DK-500
F4761	J50B1.SP SS BENEFITS START YEAR
F4762	J50B2.SP SS BENEFITS START MONTH
F4781	J59.R/S SSI-LAST MONTH
F4782	J60.WHO RECEIVED SSI
F4783	J61.R/S SSI \$
F4784	J61A.R/S AMT SS R DK-500
F4785	J61B.AMT SS R DK-750
F4786	J61C.AMT SS R DK-250
F4787	J62.SSI START YEAR
F4788	J62B.SSI START MONTH
HRS 2000:	
G272	PR272.PREV WAVE R REC SS
G273	PR273.PREV WAVE S/P REC SS
G274	PR274.PREV WAVE SSI
G4374	GD18AA. REC`D SSDI BENEFITS
G4378	GD18AD. SSDI START-YEAR
G4382	GD18AF. SSDI STOP-YR
G4392	GD18CC. SSDI START-YEAR
G4396	GD18CG.STILL RECEIVING SSDI BENEFITS
G4399	GD18CK. SSDI STOP-YR
G4405	GD18DF. SSDI START-YEAR
G4409	GD18DK.STILL RECEIVING SSDI BENEFITS
G4412	GD18DP. SSDI STOP-YR
G4465	GD26F1.SSD LAST APP BENEFITS START-YR
G4466	GD26G.SSD-STILL RECEIVING
G4472	GD26M1.SSD BENEFITS STOP-YR
G4870	GJ123F1.SSDI AWARDED - YEAR
G4875	GJ123J.STILL RECEIVING BENEFITS
G4877	GJ123K.BENEFITS STOPPED - YEAR
G5182	J45.SOC SEC INCOME
G5185	J46.WHO RECEIVE SOC SEC INCOME
G5186	J47.R AMT RECVD SS LAST MO
G5187	J47A.R DK-700
G5188	J47B.R DK-1000
G5190	J47D.R DK-500
G5193	J48.R SS BENEFITS START YEAR
G5194	J49.R SS BENEFITS START MONTH
G5199	J50A1.SP HOW MUCH SS BENEFITS
G5200	J50A2.SP DK-700
G5201	J50A3.SP DK-1000
G5203	J50A5.SP DK-500
G5204	J50B1.SP SS BENEFITS START YEAR
G5205	J50B2.SP SS BENEFITS START MONTH
G5224	J59.R/S SSI-LAST MONTH

G5225	J60.WHO RECEIVED SSI
G5226	J61.R/S SSI \$
G5227	J61A.R/S AMT SS R DK-500
G5228	J61B.AMT SS R DK-750
G5229	J61C.AMT SS R DK-250
G5230	J62.SSI START YEAR
G5231	J62B.SSI START MONTH
HRS 2002:	
HM030F1	HM030F1 STILL RECEIVING SSDI BENEFITS
HM030L1	HM030L1 SSDI STOP-YR
HM032B1	HM032B1 SSDI START-YR
HM032F1	HM032F1 STILL RECEIVING SSDI BENEFITS
HM032L1	HM032L1 SSDI STOP-YR
HM040K	HM040K SSDI START-YR
HM040P	HM040P STILL RECEIVING SSDI BENEFITS
HM040V	HM040VSSDI STOP-YR
HM648B1	SSDI START YEAR-1
HM648B2	SSDI START YEAR-2
HM648F1	STILL RECEIVING SSDI BENEFITS-1
HM648F2	STILL RECEIVING SSDI BENEFITS-2
HM648L1	SSDI STOP YEAR-1
HRS 2016:	
PJ3478	CURRENTLY RECV SOC SEC INCOME
HRS 2002-2014:	
xJ478	CURRENTLY RECV SOC SEC INCOME
HRS 2002-2016:	
xQ084	SP SOCIAL SECURITY INCOME
xQ085	R AMOUNT OF SS INCOME - LAST MONTH
xQ086	R AMT FROM SS INCOME - MIN
xQ087	R AMT FROM SS INCOME - MAX
xQ088	R AMT FROM SS INCOME - RESULT
xQ089	R YEAR STARTED TO RECEIVE SS BENEFITS
xQ090	R MONTH STARTED TO RECEIVE SS BENEFITS
xQ091	SP AMOUNT OF SS INCOME - LAST MONTH
xQ092	SP AMT FROM SS INCOME - MIN
xQ093	SP AMT FROM SS INCOME - MAX
xQ094	SP AMT FROM SS INCOME - RESULT
xQ095	SP YEAR STARTED TO RECEIVE SS BENEFITS
xQ096	SP MONTH STARTED TO RECEIVE SS BENEFITS
xQ105	R OR SP INCOME FROM SSI - LAST MONTH
xQ106	WHO RECEIVED INC FROM SSI LAST MONTH
xQ107	AMOUNT RECEIVED FROM SSI LAST MONTH
xQ108	AMT RECEIVED FROM SSI - MIN
xQ109	AMT RECEIVED FROM SSI - MAX
xQ110	AMT RECEIVED FROM SSI - RESULT
xQ111	YEAR STARTED TO RECEIVE SSI INCOME
xQ112	MONTH STARTED TO RECEIVE SSI INCOME
xZ125	PREV WAVE R RECEIVES SS
xZ126	PREV WAVE S/P RECEIVES SS
xZ127	PREV WAVE R RECEIVES SSI
HRS 2004-2016:	
xM030	HM030 REC SSDI/SSI/BOTH
xMW234C	HM032B2 SSDI START-YR -2
xMW234I	HM040K SSDI START-YR -3
xMW234Q	HM648B1 SSDI START YEAR-1
xMW234R	HM648B2 SSDI START-YR -2
xMW238A	HM030F1 STILL RECEIVING SSDI BENEFITS -1
xMW238C	HM032F1 STILL RECEIVING SSDI BENEFITS -2
xMW238I	HM040P STILL RECEIVING SSDI BENEFITS -3

xMW238Q	HM648F1 STILL REC SSDI BENS-1
xMW238R	HM648F2 STILL RECEIVING SSDI BENEFITS -2
xMW244A	HM030K1 SSDI STOP-YR
xMW244C	HM030L1 SSDI STOP-YR -2
xMW244I	HM032L1 SSDI STOP-YR -3
xMW244Q	SSDI STOP YEAR-1
xMW244R	HM648L2 SSDI STOP-YR -2

Tracker:

xFINR	1992-2016 WHETHER FINANCIAL RESPONDENT
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Individual Income from Social Security Retirement

Wave	Variable	Label	Type
1	R1ISRET	R1ISRET:W1 Income:R SocSec Retirement	Cont
2	R2ISRET	R2ISRET:W2 Income:R SocSec Retirement	Cont
3	R3ISRET	R3ISRET:W3 Income:R SocSec Retirement	Cont
4	R4ISRET	R4ISRET:W4 Income:R SocSec Retirement	Cont
5	R5ISRET	R5ISRET:W5 Income:R SocSec Retirement	Cont
6	R6ISRET	R6ISRET:W6 Income:R SocSec Retirement	Cont
7	R7ISRET	R7ISRET:W7 Income:R SocSec Retirement	Cont
8	R8ISRET	R8ISRET:W8 Income:R SocSec Retirement	Cont
9	R9ISRET	R9ISRET:W9 Income:R SocSec Retirement	Cont
10	R10ISRET	R10ISRET:W10 Income:R SocSec Retirement	Cont
11	R11ISRET	R11ISRET:W11 Income:R SocSec Retirement	Cont
12	R12ISRET	R12ISRET:W12 Income:R SocSec Retirement	Cont
13	R13ISRET	R13ISRET:W13 Income:R SocSec Retirement	Cont
1	S1ISRET	S1ISRET:W1 Income:Sp SocSec Retirement	Cont
2	S2ISRET	S2ISRET:W2 Income:Sp SocSec Retirement	Cont
3	S3ISRET	S3ISRET:W3 Income:Sp SocSec Retirement	Cont
4	S4ISRET	S4ISRET:W4 Income:Sp SocSec Retirement	Cont
5	S5ISRET	S5ISRET:W5 Income:Sp SocSec Retirement	Cont
6	S6ISRET	S6ISRET:W6 Income:Sp SocSec Retirement	Cont
7	S7ISRET	S7ISRET:W7 Income:Sp SocSec Retirement	Cont
8	S8ISRET	S8ISRET:W8 Income:Sp SocSec Retirement	Cont
9	S9ISRET	S9ISRET:W9 Income:Sp SocSec Retirement	Cont
10	S10ISRET	S10ISRET:W10 Income:Sp SocSec Retirement	Cont
11	S11ISRET	S11ISRET:W11 Income:Sp SocSec Retirement	Cont
12	S12ISRET	S12ISRET:W12 Income:Sp SocSec Retirement	Cont
13	S13ISRET	S13ISRET:W13 Income:Sp SocSec Retirement	Cont
1	R1IFSRET	R1IFSRET:W1 ImpFlag:R SocSec Retirement	Categ
2	R2IFSRET	R2IFSRET:W2 ImpFlag:R SocSec Retirement	Categ
3	R3IFSRET	R3IFSRET:W3 ImpFlag:R SocSec Retirement	Categ
4	R4IFSRET	R4IFSRET:W4 ImpFlag:R SocSec Retirement	Categ
5	R5IFSRET	R5IFSRET:W5 ImpFlag:R SocSec Retirement	Categ
6	R6IFSRET	R6IFSRET:W6 ImpFlag:R SocSec Retirement	Categ
7	R7IFSRET	R7IFSRET:W7 ImpFlag:R SocSec Retirement	Categ
8	R8IFSRET	R8IFSRET:W8 ImpFlag:R SocSec Retirement	Categ
9	R9IFSRET	R9IFSRET:W9 ImpFlag:R SocSec Retirement	Categ
10	R10IFSRET	R10IFSRET:W10 ImpFlag:R SocSec Retirement	Categ
11	R11IFSRET	R11IFSRET:W11 ImpFlag:R SocSec Retirement	Categ
12	R12IFSRET	R12IFSRET:W12 ImpFlag:R SocSec Retirement	Categ
13	R13IFSRET	R13IFSRET:W13 ImpFlag:R SocSec Retirement	Categ
1	S1IFSRET	S1IFSRET:W1 ImpFlag:Sp SocSec Retirement	Categ
2	S2IFSRET	S2IFSRET:W2 ImpFlag:Sp SocSec Retirement	Categ
3	S3IFSRET	S3IFSRET:W3 ImpFlag:Sp SocSec Retirement	Categ
4	S4IFSRET	S4IFSRET:W4 ImpFlag:Sp SocSec Retirement	Categ
5	S5IFSRET	S5IFSRET:W5 ImpFlag:Sp SocSec Retirement	Categ
6	S6IFSRET	S6IFSRET:W6 ImpFlag:Sp SocSec Retirement	Categ
7	S7IFSRET	S7IFSRET:W7 ImpFlag:Sp SocSec Retirement	Categ
8	S8IFSRET	S8IFSRET:W8 ImpFlag:Sp SocSec Retirement	Categ
9	S9IFSRET	S9IFSRET:W9 ImpFlag:Sp SocSec Retirement	Categ
10	S10IFSRET	S10IFSRET:W10 ImpFlag:Sp SocSec Retirement	Categ
11	S11IFSRET	S11IFSRET:W11 ImpFlag:Sp SocSec Retirement	Categ
12	S12IFSRET	S12IFSRET:W12 ImpFlag:Sp SocSec Retirement	Categ
13	S13IFSRET	S13IFSRET:W13 ImpFlag:Sp SocSec Retirement	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1ISRET	12652	340.83	1618.53	0.0	26000.0

R2ISRET	19642	3170.06	4256.82	0.0	120000.0
R3ISRET	17991	3700.39	4618.28	0.0	74400.0
R4ISRET	21384	4388.27	5237.76	0.0	144000.0
R5ISRET	19578	5029.57	5278.81	0.0	96000.0
R6ISRET	18165	6035.35	5926.82	0.0	115200.0
R7ISRET	20129	5777.76	6079.82	0.0	96600.0
R8ISRET	18469	6625.46	6586.29	0.0	108000.0
R9ISRET	17217	7499.02	6987.82	0.0	108000.0
R10ISRET	22034	6283.10	7663.77	0.0	264000.0
R11ISRET	20554	6838.73	7823.38	0.0	96000.0
R12ISRET	18747	7631.08	8296.51	0.0	96000.0
R13ISRET	20912	6656.76	8428.30	0.0	108000.0
S1ISRET	10279	391.00	1721.89	0.0	26000.0
S2ISRET	13674	2592.70	4094.55	0.0	120000.0
S3ISRET	12334	3099.16	4460.75	0.0	74400.0
S4ISRET	14516	3723.86	4985.34	0.0	120000.0
S5ISRET	13041	4314.15	5153.19	0.0	48000.0
S6ISRET	11859	5267.09	5765.95	0.0	108000.0
S7ISRET	13352	5127.43	6096.91	0.0	96600.0
S8ISRET	12052	5878.34	6537.40	0.0	108000.0
S9ISRET	11012	6779.81	7063.33	0.0	108000.0
S10ISRET	14235	5598.62	7610.34	0.0	264000.0
S11ISRET	13080	6161.63	7784.93	0.0	96000.0
S12ISRET	11622	6840.70	8241.19	0.0	84000.0
S13ISRET	12888	5854.16	8275.74	0.0	96000.0
R1IFSRET	12652	0.14	0.82	0.0	9.0
R2IFSRET	19642	0.59	0.93	0.0	9.0
R3IFSRET	17991	0.68	0.97	0.0	9.0
R4IFSRET	21384	0.71	1.03	0.0	9.0
R5IFSRET	19578	0.74	0.93	0.0	9.0
R6IFSRET	18165	0.79	0.74	0.0	9.0
R7IFSRET	20129	0.72	0.81	0.0	9.0
R8IFSRET	18469	0.77	0.78	0.0	9.0
R9IFSRET	17217	0.81	0.81	0.0	9.0
R10IFSRET	22034	0.75	1.20	0.0	9.0
R11IFSRET	20554	0.73	0.98	0.0	9.0
R12IFSRET	18747	0.77	1.04	0.0	9.0
R13IFSRET	20912	0.73	1.26	0.0	9.0
S1IFSRET	12652	1.63	3.17	0.0	9.0
S2IFSRET	19642	2.78	3.54	0.0	9.0
S3IFSRET	17991	2.92	3.53	0.0	9.0
S4IFSRET	21384	3.01	3.56	0.0	9.0
S5IFSRET	19578	3.11	3.55	0.0	9.0
S6IFSRET	18165	3.25	3.52	0.0	9.0
S7IFSRET	20129	3.14	3.54	0.0	9.0
S8IFSRET	18469	3.24	3.54	0.0	9.0
S9IFSRET	17217	3.37	3.55	0.0	9.0
S10IFSRET	22034	3.30	3.64	0.0	9.0
S11IFSRET	20554	3.35	3.62	0.0	9.0
S12IFSRET	18747	3.50	3.64	0.0	9.0
S13IFSRET	20912	3.52	3.71	0.0	9.0

Categorical Variable Codes

RwIFSRET: ImpFlag:R SocSec Retirement											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	11796	10405	8747	9606	7877	6170	8070	6693	5697	10338
1.No imputations	|	643	7871	7096	9845	9913	9919	10076	9816	9529	9234
2.Some imputation	|	118	1232	2022	1727	1651	2038	1910	1903	1925	2135
9.No Fin Resp	|	95	134	126	206	137	38	73	57	66	327
Value		w11	w12	w13							
0.No income	|	9140	7824	10437							
1.No imputations	|	9023	8676	8176							
2.Some imputation	|	2234	2071	1953							
9.No Fin Resp	|	157	176	346							
SwIFSRET: ImpFlag:Sp SocSec Retirement											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	9501	8374	6840	7506	6142	4778	6113	5068	4249	7300
1.No imputations	|	582	4501	4230	5855	5839	5848	5998	5809	5571	5379
2.Some imputation	|	101	695	1178	970	967	1200	1172	1126	1134	1282
8.No Sp/Part->no incm	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	104	86	185	93	33	69	49	58	274
Value		w11	w12	w13							
0.No income	|	6421	5437	7040							
1.No imputations	|	5179	4808	4426							
2.Some imputation	|	1340	1225	1123							
8.No Sp/Part->no incm	|	7474	7125	8024							
9.No Fin Resp	|	140	152	299							

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

RwISRET is the Respondent's income from Social Security retirement, spouse or widow benefits in the last calendar year (LCY). RwIFSRET is a flag that indicates whether any components are imputed.

SwISRET and SwIFSRET are the analogous spouse variables.

In Waves 1 and 2A, Social Security income could be reported individually or, if the Respondent is married, jointly. If the income is reported jointly, the income is split between the Respondent and spouse.

In Wave 1, the questions ask the annual amount of Social Security received in 1991. From Wave 2 forward, a monthly amount is asked and the first month received is also asked. The variable derivation checks the months income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

In Waves 1, 2, and 3A, the type of Social Security income received is asked. The type can be retirement, disability, survivor benefits, dependent of retired, dependent of disabled or other, and Respondents can name up to two different types. The total Social Security income amount is reported, rather than separated by types received. Therefore, we decided that if a person reports receiving any type of income from Social Security EXCEPT disability, the amount s/he indicated would be considered retirement income. In Wave 1, if a joint check is received, the type is not asked and is assumed to be retirement income unless disability income is otherwise indicated. Similarly, from Wave 3H forward, the type of Social Security income is not asked and is assumed to be retirement income unless disability income is indicated in the disability section of the questionnaire.

RwISRET and SwISRET only include Social Security income if it is NOT received due to disability.

In Waves 1 and 2H and from Wave 3H forward, we incorporated logic that examines the ages of Respondents and spouses. For those who have reached full retirement age at the time of the interview and receive Social Security disability income, we override the disability income and assign it instead retirement income. This is based on the notion that disability benefits automatically convert to retirement benefits at full retirement age.

Cross Wave Differences in Original HRS Data

The way the Social Security income questions are asked varies across waves.

In Wave 1, the questions ask the annual amount of social security received in 1991. In Wave 1 and Wave 2A, if the Respondent and spouse receive a joint check only, one amount is asked; if they receive separate checks, amounts are asked for each individual. From Wave 2 forward, a monthly amount is asked. The first month Social Security received is also asked.

In Waves 1, 2, and 3A, the type of Social Security income received is asked. The type can be retirement, disability, survivor benefits, dependent of retired, dependent of disabled or other. In Wave 1, if a joint check is received, the type is not asked. From Wave 3H forward, the type of Social Security income is not asked.

From Wave 3 forward, if the Respondent refuses or does not know the value of monthly Social Security income, a series of unfolding bracket questions are asked. The bracket amounts for Social Security income change in Wave 5 but otherwise are the same across waves. The exception to this is in Wave 3A, where the bracket amounts are based on the last year rather than the last month. In Waves 1 and 2, no unfolding bracket questions are asked.

Beginning in Wave 6, there are two possible sources of information about whether the spouse receives social security: (1) the Financial Respondent's report in the HRS Income section (Section Q); and (2) the spouse's self-report in the Employment section (Section J). To determine whether the spouse has any social security income, we use the spouse's self-report. However, if the spouse did not respond, or the self-report is missing, we use the Financial Respondent's report. Our rationale for doing this is that the self-report is probably more accurate. It is also important to note that the self-report in the employment section is the only question about whether the Financial Respondent receives social security income.

From Wave 7 forward, an additional response option ("6. SSDI HAS CONVERTED TO SOCIAL SECURITY (VOL)") was added to the following question, which helped us determine whether the type of social security income being received was for retirement or disability:

"According to our records...you were receiving benefits from the Social Security Disability program or the Supplemental Security Income program. Which program was this: the Social Security Disability or the Supplemental Security Income program, or both?"

For Respondents who reported a conversion, we added logic to check the ages of these individuals before designating them as

receiving social security retirement income. Specifically, to designate as retirement income instead of disability income, we required that a person be full retirement age at the time of the interview or have an end year for their social security income before the last calendar year.

HRS Variables Used

HRS 1992:

V16001	N41:SS:RCV SOC SEC I:IND
V16003	N41B:SS: AMT RECD I:IND
V16012	N42A:SS:R1: AMT REC:IND
V16021	N42A:SS:R2 AMT RECV:IND
V16030	N43A:SS:R1: AMT REC:IND
V16107	N44A:SS:R2 AMT RECV:IND
V6001	N41:SS:RCV SOC SEC I:IMP
V6002	N41A:SS:1CHK/SEPARATE CK
V6003	N41B:SS: AMT RECVD :IMP
V6006	N42:SS:R1RETIREMENT
V6008	N42:SS:R1SURVIVORS BEN
V6009	N42:SS:R1DEPND OF DISAB
V6010	N42:SS:R1DEPND OR RETIR
V6011	N42:SS:R1OTHER
V6012	N42A:SS:R1 AMT RECV:IMP
V6015	N42:SS:R2RETIREMENT
V6017	N42:SS:R2SURVIVORS BEN
V6018	N42:SS:R2DEPND OF DISAB
V6019	N42:SS:R2DEPND OR RETIR
V6020	N42:SS:R2OTHER
V6021	N42A:SS:R2 AMT RECV:IMP
V6024	N43:SS:R1RETIREMENT
V6026	N43:SS:R1SURVIVORS BENFT
V6027	N43:SS:R1DPEND OF DSABLD
V6028	N43:SS:R1DPEND OF RTIRED
V6029	N43:SS:R1OTHER
V6030	N43A:SS:R1 AMT RECV:IMP
V6101	N44:SS:R2RETIREMENT
V6103	N44:SS:R2SURVIVORS BENFT
V6104	N44:SS:R2DPEND OF DSABLD
V6105	N44:SS:R2DPEND OF RTIRED
V6106	N44:SS:R2OTHER
V6107	N44A:SS:R2 AMT RECV:IMP

AHEAD 1993:

B1376	J1. SS: RECEIVE ANY
B1377	J1a. SS: 1 OR 2 CHECKS
B1378	J2. SS: R TYPE
B1379	J2b. SS: R \$ LAST MONTH
B1381	J2d. SS: R START MONTH
B1382	J2e. SS: R START YEAR
B1389	J3. SS: SP TYPE
B1390	J3a. SS: SP \$ LAST MONTH
B1392	J3c. SS: SP START MONTH
B1393	J3d. SS: SP START YEAR

HRS 1994:

W16253	N23. Imputation flag
W16254	N23a. Imputation flag
W16260	N23c. Imputation flag
W16268	N23g. Imputation flag
W6253	N23.SOCIAL SECURITY?
W6254	N23a.WHO RECEIVED SOCIAL

W6255	N23b.TYPE SOCIAL SECURIT
W6256	N23b.TYPE SOCIAL SECURIT
W6260	N23c.AMT SS LAST MONTH
W6261	N23e.START RECEIVING SS-
W6262	N23e.START RECEIVING SS-
W6263	N23f.SP-TYPE SOCIAL SECU
W6264	N23f.SP-TYPE SOCIAL SECU
W6268	N23g.SP-AMT SS LAST MONT
W6269	N23h.SP-START RECEIVING
W6270	N23h.SP-START RECEIVING
AHEAD 1995:	
D3875	J1.RECEIVE SOC SEC
D3877M1	J2.R TYPE SOC SEC
D3877M2	J2.R TYPE SOC SEC
D3878	J3.AMT SOC SEC LAST MNTH
D3879	J3A.AMT SS R DK-1
D3880	J3B.AMT SS R DK-2
D3881	J3C.AMT SS R DK-3
D3883	J4A.MONTH START SOC SEC
D3884	J4A.YEAR START SOC SEC
D3885	J5.SP REC SS
D3886M1	J5A.SP TYPE SOC SEC
D3886M2	J5A.SP TYPE SOC SEC
D3888	J6.AMT SOC SEC LAST MNTH SP/PT
D3889	J6A.AMT SS S DK-1
D3890	J6B.AMT SS S DK-2
D3891	J6C.AMT SS S DK-3
D3893	J7A.MONTH START SOC SEC SP/PT
D3894	J7B.YEAR START SOC SEC SP/PT
HRS 1996:	
E3580	GD18. RECEIVE SSD/SSI
E3582	GD18B. SS STOP-YR
E3606	GD26F1. SS RECEIVE-YR
E3614	GD26J. SS-STILL RECEIVING
E3616	GD26K1. SS STOP-YR
E3983	J45.SOC SEC INCOME
E3984	J46.WHO RECEIVE SOC SEC INCOME
E3985	J47.R AMT RECVD SS LAST MO
E3986	J47A.R \$ RECVD SS LAST MO DK-1K
E3987	J47B.R \$ RECVD SS LAST MO DK-1.5K
E3989	J47D.R \$ RECVD SS LAST MO DK-500
E3990	J48.R RECV SS BENEFITS START YEAR
E3991	J49.SS BENEFITS START MONTH
E3996	J50A1.SP HOW MUCH SS BENEFITS
E3997	J50A2.SP \$ SS BENEFITS DK-1K
E3998	J50A3.SP \$ SS BENEFITS DK-1.5K
E4000	J50A5.SP \$ SS BENEFITS DK-500
E4001	J50B1.SP BENEFITS START - YEAR
E4002	J50B2.SP BENEFITS START - MONTH
HRS 1998:	
F272	PREV WAVE R REC SS
F273	PREV WAVE S/P REC SS
F4088	GD18. RECEIVE SSD/SSI
F4090	GD18B. SS STOP-YR
F4135	GD26F1. SS RECEIVE-YR
F4139	GD26J. SS-STILL RECEIVING
F4141	GD26K1. SS STOP-YR
F4498	GJ123F1.SS AWARDED - YEAR
F4502	GJ123J.STILL RECEIVING BENEFITS

F4504	GJ123K1.BENEFITS STOPPED - YEAR
F4743	J45.SOC SEC INCOME
F4744	J46.WHO RECEIVE SOC SEC INCOME
F4745	J47.R AMT RECVD SS LAST MO
F4746	J47A.R DK-1K
F4747	J47B.R DK-1,500
F4749	J47D.R DK-500
F4750	J48.R SS BENEFITS START YEAR
F4751	J49.R SS BENEFITS START MONTH
F4756	J50A1.SP HOW MUCH SS BENEFITS
F4757	J50A2.SP DK-1K
F4758	J50A3.SP DK-1,500
F4760	J50A5.SP DK-500
F4761	J50B1.SP SS BENEFITS START YEAR
F4762	J50B2.SP SS BENEFITS START MONTH
HRS 2000:	
G272	PR272.PREV WAVE R REC SS
G273	PR273.PREV WAVE S/P REC SS
G4374	GD18AA. REC`D SSDI BENEFITS
G4378	GD18AD. SSDI START-YEAR
G4382	GD18AF. SSDI STOP-YR
G4392	GD18CC. SSDI START-YEAR
G4396	GD18CG.STILL RECEIVING SSDI BENEFITS
G4399	GD18CK. SSDI STOP-YR
G4405	GD18DF. SSDI START-YEAR
G4409	GD18DK.STILL RECEIVING SSDI BENEFITS
G4412	GD18DP. SSDI STOP-YR
G4465	GD26F1.SSD LAST APP BENEFITS START-YR
G4466	GD26G.SSD-STILL RECEIVING
G4472	GD26M1.SSD BENEFITS STOP-YR
G4870	GJ123F1.SSDI AWARDED - YEAR
G4875	GJ123J.STILL RECEIVING BENEFITS
G4877	GJ123K.BENEFITS STOPPED - YEAR
G5182	J45.SOC SEC INCOME
G5185	J46.WHO RECEIVE SOC SEC INCOME
G5186	J47.R AMT RECVD SS LAST MO
G5187	J47A.R DK-700
G5188	J47B.R DK-1000
G5190	J47D.R DK-500
G5193	J48.R SS BENEFITS START YEAR
G5194	J49.R SS BENEFITS START MONTH
G5199	J50A1.SP HOW MUCH SS BENEFITS
G5200	J50A2.SP DK-700
G5201	J50A3.SP DK-1000
G5203	J50A5.SP DK-500
G5204	J50B1.SP SS BENEFITS START YEAR
G5205	J50B2.SP SS BENEFITS START MONTH
HRS 2002:	
HM030F1	HM030F1 STILL RECEIVING SSDI BENEFITS
HM030L1	HM030L1 SSDI STOP-YR
HM032B1	HM032B1 SSDI START-YR
HM032F1	HM032F1 STILL RECEIVING SSDI BENEFITS
HM032L1	HM032L1 SSDI STOP-YR
HM040K	HM040K SSDI START-YR
HM040P	HM040P STILL RECEIVING SSDI BENEFITS
HM040V	HM040VSSDI STOP-YR
HM648B1	SSDI START YEAR-1
HM648B2	SSDI START YEAR-2
HM648F1	STILL RECEIVING SSDI BENEFITS-1

HM648F2	STILL RECEIVING SSDI BENEFITS-2
HM648L1	SSDI STOP YEAR-1
HRS 2016:	
PJ3478	CURRENTLY RECV SOC SEC INCOME
HRS 2002-2014:	
xJ478	CURRENTLY RECV SOC SEC INCOME
HRS 2002-2016:	
xQ084	SP SOCIAL SECURITY INCOME
xQ085	R AMOUNT OF SS INCOME - LAST MONTH
xQ086	R AMT FROM SS INCOME - MIN
xQ087	R AMT FROM SS INCOME - MAX
xQ088	R AMT FROM SS INCOME - RESULT
xQ089	R YEAR STARTED TO RECEIVE SS BENEFITS
xQ090	R MONTH STARTED TO RECEIVE SS BENEFITS
xQ091	SP AMOUNT OF SS INCOME - LAST MONTH
xQ092	SP AMT FROM SS INCOME - MIN
xQ093	SP AMT FROM SS INCOME - MAX
xQ094	SP AMT FROM SS INCOME - RESULT
xQ095	SP YEAR STARTED TO RECEIVE SS BENEFITS
xQ096	SP MONTH STARTED TO RECEIVE SS BENEFITS
xQ106	WHO RECEIVED INC FROM SSI LAST MONTH
xZ125	PREV WAVE R RECEIVES SS
xZ126	PREV WAVE S/P RECEIVES SS
HRS 2004-2016:	
xM030	HM030 REC SSDI/SSI/BOTH
xMW234C	HM032B2 SSDI START-YR -2
xMW234I	HM040K SSDI START-YR -3
xMW234Q	HM648B1 SSDI START YEAR-1
xMW234R	HM648B2 SSDI START-YR -2
xMW238A	HM030F1 STILL RECEIVING SSDI BENEFITS -1
xMW238C	HM032F1 STILL RECEIVING SSDI BENEFITS -2
xMW238I	HM040P STILL RECEIVING SSDI BENEFITS -3
xMW238Q	HM648F1 STILL REC SSDI BENS-1
xMW238R	HM648F2 STILL RECEIVING SSDI BENEFITS -2
xMW244A	HM030K1 SSDI STOP-YR
xMW244C	HM030L1 SSDI STOP-YR -2
xMW244I	HM032L1 SSDI STOP-YR -3
xMW244Q	SSDI STOP YEAR-1
xMW244R	HM648L2 SSDI STOP-YR -2
Tracker:	
xFINR	1992-2016 WHETHER FINANCIAL RESPONDENT

Individual Unemployment or Workers Compensation

Wave	Variable	Label	Type
1	R1IUNWC	R1IUNWC:W1 Income:R Unemp + Workers Comp	Cont
2	R2IUNWC	R2IUNWC:W2 Income:R Unemp + Workers Comp	Cont
3	R3IUNWC	R3IUNWC:W3 Income:R Unemp + Workers Comp	Cont
4	R4IUNWC	R4IUNWC:W4 Income:R Unemp + Workers Comp	Cont
5	R5IUNWC	R5IUNWC:W5 Income:R Unemp + Workers Comp	Cont
6	R6IUNWC	R6IUNWC:W6 Income:R Unemp + Workers Comp	Cont
7	R7IUNWC	R7IUNWC:W7 Income:R Unemp + Workers Comp	Cont
8	R8IUNWC	R8IUNWC:W8 Income:R Unemp + Workers Comp	Cont
9	R9IUNWC	R9IUNWC:W9 Income:R Unemp + Workers Comp	Cont
10	R10IUNWC	R10IUNWC:W10 Income:R Unemp + Workers Comp	Cont
11	R11IUNWC	R11IUNWC:W11 Income:R Unemp + Workers Comp	Cont
12	R12IUNWC	R12IUNWC:W12 Income:R Unemp + Workers Comp	Cont
13	R13IUNWC	R13IUNWC:W13 Income:R Unemp + Workers Comp	Cont
1	S1IUNWC	S1IUNWC:W1 Income:Sp Unemp + Workers Comp	Cont
2	S2IUNWC	S2IUNWC:W2 Income:Sp Unemp + Workers Comp	Cont
3	S3IUNWC	S3IUNWC:W3 Income:Sp Unemp + Workers Comp	Cont
4	S4IUNWC	S4IUNWC:W4 Income:Sp Unemp + Workers Comp	Cont
5	S5IUNWC	S5IUNWC:W5 Income:Sp Unemp + Workers Comp	Cont
6	S6IUNWC	S6IUNWC:W6 Income:Sp Unemp + Workers Comp	Cont
7	S7IUNWC	S7IUNWC:W7 Income:Sp Unemp + Workers Comp	Cont
8	S8IUNWC	S8IUNWC:W8 Income:Sp Unemp + Workers Comp	Cont
9	S9IUNWC	S9IUNWC:W9 Income:Sp Unemp + Workers Comp	Cont
10	S10IUNWC	S10IUNWC:W10 Income:Sp Unemp + Workers Comp	Cont
11	S11IUNWC	S11IUNWC:W11 Income:Sp Unemp + Workers Comp	Cont
12	S12IUNWC	S12IUNWC:W12 Income:Sp Unemp + Workers Comp	Cont
13	S13IUNWC	S13IUNWC:W13 Income:Sp Unemp + Workers Comp	Cont
1	R1IFUNWC	R1IFUNWC:W1 ImpFlag:R Unemp + Workers Comp	Categ
2	R2IFUNWC	R2IFUNWC:W2 ImpFlag:R Unemp + Workers Comp	Categ
3	R3IFUNWC	R3IFUNWC:W3 ImpFlag:R Unemp + Workers Comp	Categ
4	R4IFUNWC	R4IFUNWC:W4 ImpFlag:R Unemp + Workers Comp	Categ
5	R5IFUNWC	R5IFUNWC:W5 ImpFlag:R Unemp + Workers Comp	Categ
6	R6IFUNWC	R6IFUNWC:W6 ImpFlag:R Unemp + Workers Comp	Categ
7	R7IFUNWC	R7IFUNWC:W7 ImpFlag:R Unemp + Workers Comp	Categ
8	R8IFUNWC	R8IFUNWC:W8 ImpFlag:R Unemp + Workers Comp	Categ
9	R9IFUNWC	R9IFUNWC:W9 ImpFlag:R Unemp + Workers Comp	Categ
10	R10IFUNWC	R10IFUNWC:W10 ImpFlag:R Unemp + Workers Comp	Categ
11	R11IFUNWC	R11IFUNWC:W11 ImpFlag:R Unemp + Workers Comp	Categ
12	R12IFUNWC	R12IFUNWC:W12 ImpFlag:R Unemp + Workers Comp	Categ
13	R13IFUNWC	R13IFUNWC:W13 ImpFlag:R Unemp + Workers Comp	Categ
1	S1IFUNWC	S1IFUNWC:W1 ImpFlag:Sp Unemp + Workers Comp	Categ
2	S2IFUNWC	S2IFUNWC:W2 ImpFlag:Sp Unemp + WorkerComp	Categ
3	S3IFUNWC	S3IFUNWC:W3 ImpFlag:Sp Unemp + WorkerComp	Categ
4	S4IFUNWC	S4IFUNWC:W4 ImpFlag:Sp Unemp + Workers Comp	Categ
5	S5IFUNWC	S5IFUNWC:W5 ImpFlag:Sp Unemp + Workers Comp	Categ
6	S6IFUNWC	S6IFUNWC:W6 ImpFlag:Sp Unemp + WorkerComp	Categ
7	S7IFUNWC	S7IFUNWC:W7 ImpFlag:Sp Unemp + Workers Comp	Categ
8	S8IFUNWC	S8IFUNWC:W8 ImpFlag:Sp Unemp + Workers Comp	Categ
9	S9IFUNWC	S9IFUNWC:W9 ImpFlag:Sp Unemp + Workers Comp	Categ
10	S10IFUNWC	S10IFUNWC:W10 ImpFlag:Sp Unemp + Workers Comp	Categ
11	S11IFUNWC	S11IFUNWC:W11 ImpFlag:Sp Unemp + Workers Comp	Categ
12	S12IFUNWC	S12IFUNWC:W12 ImpFlag:Sp Unemp + Workers Comp	Categ
13	S13IFUNWC	S13IFUNWC:W13 ImpFlag:Sp Unemp + Workers Comp	Categ
1	R1IUNEM	R1IUNEM:W1 Income:R Unemployment	Cont
2	R2IUNEM	R2IUNEM:W2 Income:R Unemployment	Cont
3	R3IUNEM	R3IUNEM:W3 Income:R Unemployment	Cont
4	R4IUNEM	R4IUNEM:W4 Income:R Unemployment	Cont
5	R5IUNEM	R5IUNEM:W5 Income:R Unemployment	Cont
6	R6IUNEM	R6IUNEM:W6 Income:R Unemployment	Cont
7	R7IUNEM	R7IUNEM:W7 Income:R Unemployment	Cont
8	R8IUNEM	R8IUNEM:W8 Income:R Unemployment	Cont
9	R9IUNEM	R9IUNEM:W9 Income:R Unemployment	Cont
10	R10IUNEM	R10IUNEM:W10 Income:R Unemployment	Cont

11	R11IUNEM	R11IUNEM:W11 Income:R Unemployment	Cont
12	R12IUNEM	R12IUNEM:W12 Income:R Unemployment	Cont
13	R13IUNEM	R13IUNEM:W13 Income:R Unemployment	Cont
1	S1IUNEM	S1IUNEM:W1 Income:Sp unemployment	Cont
2	S2IUNEM	S2IUNEM:W2 Income:Sp unemployment	Cont
3	S3IUNEM	S3IUNEM:W3 Income:Sp unemployment	Cont
4	S4IUNEM	S4IUNEM:W4 Income:Sp unemployment	Cont
5	S5IUNEM	S5IUNEM:W5 Income:Sp unemployment	Cont
6	S6IUNEM	S6IUNEM:W6 Income:Sp unemployment	Cont
7	S7IUNEM	S7IUNEM:W7 Income:Sp unemployment	Cont
8	S8IUNEM	S8IUNEM:W8 Income:Sp unemployment	Cont
9	S9IUNEM	S9IUNEM:W9 Income:Sp unemployment	Cont
10	S10IUNEM	S10IUNEM:W10 Income:Sp unemployment	Cont
11	S11IUNEM	S11IUNEM:W11 Income:Sp unemployment	Cont
12	S12IUNEM	S12IUNEM:W12 Income:Sp unemployment	Cont
13	S13IUNEM	S13IUNEM:W13 Income:Sp unemployment	Cont
1	R1IFUNEM	R1IFUNEM:W1 IncFlag:R Unemployment	Categ
2	R2IFUNEM	R2IFUNEM:W2 IncFlag:R Unemployment	Categ
3	R3IFUNEM	R3IFUNEM:W3 IncFlag:R Unemployment	Categ
4	R4IFUNEM	R4IFUNEM:W4 IncFlag:R Unemployment	Categ
5	R5IFUNEM	R5IFUNEM:W5 IncFlag:R Unemployment	Categ
6	R6IFUNEM	R6IFUNEM:W6 IncFlag:R Unemployment	Categ
7	R7IFUNEM	R7IFUNEM:W7 IncFlag:R Unemployment	Categ
8	R8IFUNEM	R8IFUNEM:W8 IncFlag:R Unemployment	Categ
9	R9IFUNEM	R9IFUNEM:W9 IncFlag:R Unemployment	Categ
10	R10IFUNEM	R10IFUNEM:W10 IncFlag:R Unemployment	Categ
11	R11IFUNEM	R11IFUNEM:W11 IncFlag:R Unemployment	Categ
12	R12IFUNEM	R12IFUNEM:W12 IncFlag:R Unemployment	Categ
13	R13IFUNEM	R13IFUNEM:W13 IncFlag:R Unemployment	Categ
1	S1IFUNEM	S1IFUNEM:W1 IncFlag:Sp Unemployment	Categ
2	S2IFUNEM	S2IFUNEM:W2 IncFlag:Sp Unemployment	Categ
3	S3IFUNEM	S3IFUNEM:W3 IncFlag:Sp Unemployment	Categ
4	S4IFUNEM	S4IFUNEM:W4 IncFlag:Sp Unemployment	Categ
5	S5IFUNEM	S5IFUNEM:W5 IncFlag:Sp Unemployment	Categ
6	S6IFUNEM	S6IFUNEM:W6 IncFlag:Sp Unemployment	Categ
7	S7IFUNEM	S7IFUNEM:W7 IncFlag:Sp Unemployment	Categ
8	S8IFUNEM	S8IFUNEM:W8 IncFlag:Sp Unemployment	Categ
9	S9IFUNEM	S9IFUNEM:W9 IncFlag:Sp Unemployment	Categ
10	S10IFUNEM	S10IFUNEM:W10 IncFlag:Sp Unemployment	Categ
11	S11IFUNEM	S11IFUNEM:W11 IncFlag:Sp Unemployment	Categ
12	S12IFUNEM	S12IFUNEM:W12 IncFlag:Sp Unemployment	Categ
13	S13IFUNEM	S13IFUNEM:W13 IncFlag:Sp Unemployment	Categ
1	R1IWCMP	R1IWCMP:W1 Income:R Worker Comp	Cont
2	R2IWCMP	R2IWCMP:W2 Income:R Worker Comp	Cont
3	R3IWCMP	R3IWCMP:W3 Income:R Worker Comp	Cont
4	R4IWCMP	R4IWCMP:W4 Income:R Worker Comp	Cont
5	R5IWCMP	R5IWCMP:W5 Income:R Worker Comp	Cont
6	R6IWCMP	R6IWCMP:W6 Income:R Worker Comp	Cont
7	R7IWCMP	R7IWCMP:W7 Income:R Worker Comp	Cont
8	R8IWCMP	R8IWCMP:W8 Income:R Worker Comp	Cont
9	R9IWCMP	R9IWCMP:W9 Income:R Worker Comp	Cont
10	R10IWCMP	R10IWCMP:W10 Income:R Worker Comp	Cont
11	R11IWCMP	R11IWCMP:W11 Income:R Worker Comp	Cont
12	R12IWCMP	R12IWCMP:W12 Income:R Worker Comp	Cont
13	R13IWCMP	R13IWCMP:W13 Income:R Worker Comp	Cont
1	S1IWCMP	S1IWCMP:W1 Income:Sp Worker Comp	Cont
2	S2IWCMP	S2IWCMP:W2 Income:Sp Worker Comp	Cont
3	S3IWCMP	S3IWCMP:W3 Income:Sp Worker Comp	Cont
4	S4IWCMP	S4IWCMP:W4 Income:Sp Worker Comp	Cont
5	S5IWCMP	S5IWCMP:W5 Income:Sp Worker Comp	Cont
6	S6IWCMP	S6IWCMP:W6 Income:Sp Worker Comp	Cont
7	S7IWCMP	S7IWCMP:W7 Income:Sp Worker Comp	Cont
8	S8IWCMP	S8IWCMP:W8 Income:Sp Worker Comp	Cont
9	S9IWCMP	S9IWCMP:W9 Income:Sp Worker Comp	Cont
10	S10IWCMP	S10IWCMP:W10 Income:Sp Worker Comp	Cont
11	S11IWCMP	S11IWCMP:W11 Income:Sp Worker Comp	Cont
12	S12IWCMP	S12IWCMP:W12 Income:Sp Worker Comp	Cont

13	S13IWCMP	S13IWCMP:W13 Income:Sp Worker Comp	Cont
1	R1IFWCMP	R1IFWCMP:W1 IncFlag:R Worker Comp	Categ
2	R2IFWCMP	R2IFWCMP:W2 IncFlag:R Worker Comp	Categ
3	R3IFWCMP	R3IFWCMP:W3 IncFlag:R Worker Comp	Categ
4	R4IFWCMP	R4IFWCMP:W4 IncFlag:R Worker Comp	Categ
5	R5IFWCMP	R5IFWCMP:W5 IncFlag:R Worker Comp	Categ
6	R6IFWCMP	R6IFWCMP:W6 IncFlag:R Worker Comp	Categ
7	R7IFWCMP	R7IFWCMP:W7 IncFlag:R Worker Comp	Categ
8	R8IFWCMP	R8IFWCMP:W8 IncFlag:R Worker Comp	Categ
9	R9IFWCMP	R9IFWCMP:W9 IncFlag:R Worker Comp	Categ
10	R10IFWCMP	R10IFWCMP:W10 IncFlag:R Worker Comp	Categ
11	R11IFWCMP	R11IFWCMP:W11 IncFlag:R Worker Comp	Categ
12	R12IFWCMP	R12IFWCMP:W12 IncFlag:R Worker Comp	Categ
13	R13IFWCMP	R13IFWCMP:W13 IncFlag:R Worker Comp	Categ
1	S1IFWCMP	S1IFWCMP:W1 IncFlag:Sp Worker Comp	Categ
2	S2IFWCMP	S2IFWCMP:W2 IncFlag:Sp Worker Comp	Categ
3	S3IFWCMP	S3IFWCMP:W3 IncFlag:Sp Worker Comp	Categ
4	S4IFWCMP	S4IFWCMP:W4 IncFlag:Sp Worker Comp	Categ
5	S5IFWCMP	S5IFWCMP:W5 IncFlag:Sp Worker Comp	Categ
6	S6IFWCMP	S6IFWCMP:W6 IncFlag:Sp Worker Comp	Categ
7	S7IFWCMP	S7IFWCMP:W7 IncFlag:Sp Worker Comp	Categ
8	S8IFWCMP	S8IFWCMP:W8 IncFlag:Sp Worker Comp	Categ
9	S9IFWCMP	S9IFWCMP:W9 IncFlag:Sp Worker Comp	Categ
10	S10IFWCMP	S10IFWCMP:W10 IncFlag:Sp Worker Comp	Categ
11	S11IFWCMP	S11IFWCMP:W11 IncFlag:Sp Worker Comp	Categ
12	S12IFWCMP	S12IFWCMP:W12 IncFlag:Sp Worker Comp	Categ
13	S13IFWCMP	S13IFWCMP:W13 IncFlag:Sp Worker Comp	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IUNWC	12652	204.11	1243.59	0.0	30800.0
R2IUNWC	19642	129.89	1083.03	0.0	31000.0
R3IUNWC	17991	103.18	1262.85	0.0	60000.0
R4IUNWC	21384	107.55	1056.86	0.0	30000.0
R5IUNWC	19578	100.34	1424.33	0.0	100000.0
R6IUNWC	18165	65.94	769.91	0.0	32760.0
R7IUNWC	20129	115.09	1191.67	0.0	80000.0
R8IUNWC	18469	74.42	827.11	0.0	39000.0
R9IUNWC	17217	77.94	1112.21	0.0	100000.0
R10IUNWC	22034	314.96	1984.12	0.0	50000.0
R11IUNWC	20554	235.40	1831.33	0.0	50000.0
R12IUNWC	18747	157.74	1677.39	0.0	117000.0
R13IUNWC	20912	126.27	1367.92	0.0	60000.0
S1IUNWC	10279	209.39	1302.73	0.0	30800.0
S2IUNWC	17347	111.31	1015.98	0.0	31000.0
S3IUNWC	15657	92.45	1261.25	0.0	60000.0
S4IUNWC	14516	121.10	1112.39	0.0	28000.0
S5IUNWC	13041	111.89	1646.56	0.0	100000.0
S6IUNWC	11859	77.45	837.51	0.0	32760.0
S7IUNWC	13352	117.30	1096.31	0.0	50000.0
S8IUNWC	12052	93.25	1066.35	0.0	39000.0
S9IUNWC	11012	94.91	1321.45	0.0	100000.0
S10IUNWC	14235	350.95	2106.25	0.0	36000.0
S11IUNWC	13080	255.49	1944.19	0.0	36000.0
S12IUNWC	11622	172.12	1871.51	0.0	117000.0
S13IUNWC	12888	120.25	1343.71	0.0	60000.0

R1IFUNWC	12652	0.14	0.83	0.0	9.0
R2IFUNWC	11420	0.17	0.98	0.0	9.0
R3IFUNWC	10964	0.12	0.79	0.0	9.0
R4IFUNWC	21384	0.12	0.90	0.0	9.0
R5IFUNWC	19578	0.09	0.78	0.0	9.0
R6IFUNWC	18165	0.05	0.50	0.0	9.0
R7IFUNWC	20129	0.08	0.64	0.0	9.0
R8IFUNWC	18469	0.06	0.57	0.0	9.0
R9IFUNWC	17217	0.07	0.62	0.0	9.0
R10IFUNWC	22034	0.24	1.26	0.0	9.0
R11IFUNWC	20554	0.13	0.86	0.0	9.0
R12IFUNWC	18747	0.14	0.95	0.0	9.0
R13IFUNWC	20912	0.20	1.22	0.0	9.0
S1IFUNWC	12652	1.63	3.17	0.0	9.0
S2IFUNWC	11420	1.74	3.26	0.0	9.0
S3IFUNWC	10964	1.79	3.31	0.0	9.0
S4IFUNWC	21384	2.67	3.76	0.0	9.0
S5IFUNWC	19578	2.74	3.78	0.0	9.0
S6IFUNWC	18165	2.82	3.80	0.0	9.0
S7IFUNWC	20129	2.76	3.78	0.0	9.0
S8IFUNWC	18469	2.83	3.81	0.0	9.0
S9IFUNWC	17217	2.94	3.84	0.0	9.0
S10IFUNWC	22034	3.01	3.85	0.0	9.0
S11IFUNWC	20554	3.01	3.85	0.0	9.0
S12IFUNWC	18747	3.15	3.89	0.0	9.0
S13IFUNWC	20912	3.23	3.92	0.0	9.0
R1IUNEM	12652	117.38	789.75	0.0	28000.0
R2IUNEM	19642	79.70	706.05	0.0	19000.0
R3IUNEM	17991	41.62	476.34	0.0	20000.0
R4IUNEM	21384	53.61	562.85	0.0	25000.0
R5IUNEM	19578	39.01	421.79	0.0	12000.0
R6IUNEM	18165	42.08	521.38	0.0	20520.9
R7IUNEM	20129	82.89	962.08	0.0	80000.0
R8IUNEM	18469	55.45	696.27	0.0	39000.0
R9IUNEM	17217	52.14	628.80	0.0	18200.0
R10IUNEM	22034	280.00	1831.61	0.0	32400.0
R11IUNEM	20554	195.72	1579.77	0.0	35000.0
R12IUNEM	18747	113.04	1055.66	0.0	25000.0
R13IUNEM	20912	76.86	886.05	0.0	36000.0
S1IUNEM	10279	116.28	797.57	0.0	28000.0
S2IUNEM	17347	67.43	658.20	0.0	19000.0
S3IUNEM	15657	36.01	461.96	0.0	20000.0
S4IUNEM	14516	60.75	598.94	0.0	25000.0
S5IUNEM	13041	39.20	425.17	0.0	12000.0
S6IUNEM	11859	48.40	567.73	0.0	20000.0
S7IUNEM	13352	75.48	727.91	0.0	21082.7
S8IUNEM	12052	65.38	894.57	0.0	39000.0
S9IUNEM	11012	60.01	695.63	0.0	18200.0
S10IUNEM	14235	301.97	1913.34	0.0	32400.0
S11IUNEM	13080	209.01	1682.84	0.0	35000.0
S12IUNEM	11622	112.00	1045.02	0.0	24000.0
S13IUNEM	12888	64.86	776.04	0.0	36000.0
R1IFUNEM	12652	5.83	1.01	1.0	9.0
R2IFUNEM	11420	5.85	0.98	1.0	9.0
R3IFUNEM	10964	5.90	0.81	1.0	9.0

R4IFUNEM	21384	5.95	0.70	1.0	9.0
R5IFUNEM	19578	5.96	0.61	1.0	9.0
R6IFUNEM	18165	5.95	0.58	1.0	9.0
R7IFUNEM	20129	5.93	0.68	1.0	9.0
R8IFUNEM	18469	5.95	0.59	1.0	9.0
R9IFUNEM	17217	5.96	0.56	1.0	9.0
R10IFUNEM	22034	5.87	1.05	1.0	9.0
R11IFUNEM	20554	5.89	0.86	1.0	9.0
R12IFUNEM	18747	5.93	0.77	1.0	9.0
R13IFUNEM	20912	5.99	0.72	1.0	9.0
S1IFUNEM	12652	6.25	1.23	1.0	9.0
S2IFUNEM	11420	6.30	1.19	1.0	9.0
S3IFUNEM	10964	6.36	1.10	1.0	9.0
S4IFUNEM	21384	6.61	1.14	1.0	9.0
S5IFUNEM	19578	6.64	1.09	1.0	9.0
S6IFUNEM	18165	6.66	1.09	1.0	9.0
S7IFUNEM	20129	6.63	1.12	1.0	9.0
S8IFUNEM	18469	6.66	1.09	1.0	9.0
S9IFUNEM	17217	6.70	1.08	1.0	9.0
S10IFUNEM	22034	6.63	1.33	1.0	9.0
S11IFUNEM	20554	6.66	1.22	1.0	9.0
S12IFUNEM	18747	6.73	1.17	1.0	9.0
S13IFUNEM	20912	6.77	1.13	1.0	9.0
R1IWCMP	12652	86.73	965.30	0.0	30800.0
R2IWCMP	19642	50.19	806.26	0.0	31000.0
R3IWCMP	17991	61.56	1158.67	0.0	60000.0
R4IWCMP	21384	53.93	884.18	0.0	30000.0
R5IWCMP	19578	61.33	1354.24	0.0	100000.0
R6IWCMP	18165	23.87	554.12	0.0	32760.0
R7IWCMP	20129	32.20	697.24	0.0	50000.0
R8IWCMP	18469	18.97	445.70	0.0	21900.0
R9IWCMP	17217	25.79	918.23	0.0	100000.0
R10IWCMP	22034	34.95	724.71	0.0	50000.0
R11IWCMP	20554	39.68	901.94	0.0	50000.0
R12IWCMP	18747	44.70	1295.72	0.0	117000.0
R13IWCMP	20912	49.41	1001.37	0.0	60000.0
S1IWCMP	10279	93.11	1034.35	0.0	30800.0
S2IWCMP	17347	43.88	774.65	0.0	31000.0
S3IWCMP	15657	56.44	1166.95	0.0	60000.0
S4IWCMP	14516	60.35	924.49	0.0	28000.0
S5IWCMP	13041	72.69	1584.75	0.0	100000.0
S6IWCMP	11859	29.05	613.56	0.0	32760.0
S7IWCMP	13352	41.82	822.10	0.0	50000.0
S8IWCMP	12052	27.87	580.13	0.0	21900.0
S9IWCMP	11012	34.90	1124.58	0.0	100000.0
S10IWCMP	14235	48.99	831.34	0.0	30000.0
S11IWCMP	13080	46.48	934.28	0.0	36000.0
S12IWCMP	11622	60.12	1547.44	0.0	117000.0
S13IWCMP	12888	55.39	1079.49	0.0	60000.0
R1IFWCMP	12652	5.95	0.66	1.0	9.0
R2IFWCMP	11420	5.97	0.65	1.0	9.0
R3IFWCMP	10964	5.96	0.60	1.0	9.0
R4IFWCMP	21384	6.00	0.50	1.0	9.0
R5IFWCMP	19578	5.99	0.47	1.0	9.0
R6IFWCMP	18165	5.99	0.33	1.0	9.0

R7IFWCMP	20129	6.00	0.38	1.0	9.0
R8IFWCMP	18469	6.00	0.33	1.0	9.0
R9IFWCMP	17217	6.00	0.35	1.0	9.0
R10IFWCMP	22034	6.04	0.53	1.0	9.0
R11IFWCMP	20554	6.01	0.41	1.0	9.0
R12IFWCMP	18747	6.02	0.44	1.0	9.0
R13IFWCMP	20912	6.04	0.52	1.0	9.0
S1IFWCMP	12652	6.34	0.99	1.0	9.0
S2IFWCMP	11420	6.38	0.99	1.0	9.0
S3IFWCMP	10964	6.40	0.98	1.0	9.0
S4IFWCMP	21384	6.65	1.03	1.0	9.0
S5IFWCMP	19578	6.66	1.02	1.0	9.0
S6IFWCMP	18165	6.69	1.00	1.0	9.0
S7IFWCMP	20129	6.67	1.01	1.0	9.0
S8IFWCMP	18469	6.69	1.00	1.0	9.0
S9IFWCMP	17217	6.72	1.01	1.0	9.0
S10IFWCMP	22034	6.74	1.04	1.0	9.0
S11IFWCMP	20554	6.74	1.02	1.0	9.0
S12IFWCMP	18747	6.78	1.03	1.0	9.0
S13IFWCMP	20912	6.80	1.05	1.0	9.0

Categorical Variable Codes

RwIFUNWC: ImpFlag:R Unemp + Workers Comp

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		8222	7027							
0.No income	|	11749	10604	10407	20562	18961	17715	19466	18005	16801	20466
1.No imputations	|	668	531	377	470	351	247	355	243	217	806
2.Some imputation	|	140	161	103	145	129	158	219	156	124	344
9.No Fin Resp	|	95	124	77	207	137	45	89	65	75	418
<hr/>											
Value		w11	w12	w13							
.Q=Not asked this wv	|										
0.No income	|	19544	17958	19948							
1.No imputations	|	549	382	329							
2.Some imputation	|	290	208	260							
9.No Fin Resp	|	171	199	375							

SwIFUNWC: ImpFlag:Sp Unemp + Workers Comp

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		4549	3704							
.U=Unmarried	|		3673	3323							
0.No income	|	9558	8520	8226	13878	12607	11536	12873	11722	10708	13113
1.No imputations	|	512	384	270	346	241	173	237	159	149	537
2.Some imputation	|	114	121	70	107	100	114	165	119	93	258
8.No Sp/Part->no incm	|	2373	2295	2334	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	100	64	185	93	36	77	52	62	327

Value		w11	w12	w13
.Q=Not asked this wv	|			
.U=Unmarried	|			
0.No income	|	12394	11076	12198
1.No imputations	|	341	231	198
2.Some imputation	|	202	155	177
8.No Sp/Part->no incm	|	7474	7125	8024
9.No Fin Resp	|	143	160	315

RwIFUNEM: IncFlag:R Unemployment

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		8222	7027							
1.Continuous value	|	495	400	262	338	242	203	296	201	172	747
2.Complete bracket	|						37	66	47	23	122
3.Incomplete bracket	|						4	10	4	2	14
5.No value/bracket	|	53	78	44	67	50	18	39	17	21	50
6.No income	|	11960	10771	10543	20719	19101	17793	19568	18078	16867	20586
7.DK if income	|	49	47	38	53	48	65	61	57	57	97
9.No Fin Resp	|	95	124	77	207	137	45	89	65	75	418

Value		w11	w12	w13
.Q=Not asked this wv	|			
1.Continuous value	|	493	331	265
2.Complete bracket	|	94	58	45
3.Incomplete bracket	|	8	6	6
5.No value/bracket	|	44	17	19
6.No income	|	19656	18057	20077
7.DK if income	|	88	79	125
9.No Fin Resp	|	171	199	375

SwIFUNEM: IncFlag:Sp Unemployment

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549	3704							
.U=Unmarried		3673	3323							
1.Continuous value	378	279	185	252	164	139	186	128	115	489
2.Complete bracket						27	48	34	16	83
3.Incomplete bracket						3	9	4	1	11
5.No value/bracket	43	63	37	49	40	12	33	11	17	38
6.No income	9724	8649	8323	13990	12707	11598	12959	11781	10758	13212
7.DK if income	39	34	21	40	37	44	40	42	43	75
8.No spouse/partner	2373	2295	2334	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	95	100	64	185	93	36	77	52	62	327

Value	w11	w12	w13
.Q=Not asked this wv			
.U=Unmarried			
1.Continuous value	297	194	154
2.Complete bracket	58	35	25
3.Incomplete bracket	9	6	4
5.No value/bracket	38	15	15
6.No income	12472	11157	12293
7.DK if income	63	55	82
8.No spouse/partner	7474	7125	8024
9.No Fin Resp	143	160	315

RwIFWCMP: IncFlag:R Worker Comp

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222	7027							
1.Continuous value	184	144	127	139	117	50	65	45	46	76
2.Complete bracket						12	24	14	10	23
3.Incomplete bracket						3	1	1	1	1
5.No value/bracket	29	31	19	28	30	6	6	5	3	11
6.No income	12287	11081	10705	20967	19244	17976	19871	18275	17024	21395
7.DK if income	57	40	36	43	50	73	73	64	58	110
9.No Fin Resp	95	124	77	207	137	45	89	65	75	418

Value	w11	w12	w13
.Q=Not asked this wv			
1.Continuous value	63	62	76
2.Complete bracket	16	13	19
3.Incomplete bracket	1	3	2
5.No value/bracket	5	5	6
6.No income	20192	18364	20288
7.DK if income	106	101	146
9.No Fin Resp	171	199	375

SwIFWCMP: IncFlag:Sp Worker Comp											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		4549	3704							
.U=Unmarried	|		3673	3323							
1.Continuous value	|	143	110	91	98	83	38	53	33	35	60
2.Complete bracket	|						10	17	13	7	19
3.Incomplete bracket	|						2	1	1	1	1
5.No value/bracket	|	25	18	11	20	22	3	4	5	2	12
6.No income	|	9970	8868	8445	14183	12804	11715	13146	11900	10862	13733
7.DK if income	|	46	29	19	30	39	55	54	48	43	83
8.No spouse/partner	|	2373	2295	2334	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	100	64	185	93	36	77	52	62	327
Value		w11	w12	w13							
.Q=Not asked this wv	|										
.U=Unmarried	|										
1.Continuous value	|	50	43	50							
2.Complete bracket	|	9	8	10							
3.Incomplete bracket	|	2	3	1							
5.No value/bracket	|	4	6	6							
6.No income	|	12803	11321	12403							
7.DK if income	|	69	81	103							
8.No spouse/partner	|	7474	7125	8024							
9.No Fin Resp	|	143	160	315							

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

RwIUNWC sums the Respondent's income from unemployment and worker's compensation. Income from unemployment and worker's compensation are available separately in RwIUNEM and RwIWCMP. RwIFUNWC is the imputation flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

RwIFUNEM and RwIFWCMP indicate whether the Respondent's component is imputed.

SwIUNWC, SwIUNEM, SwIWCMP, SwIFUNWC, SwIFUNEM and SwIFWCMP are the analogous spouse variables.

Unemployment and worker's compensation are not available for AHEAD Respondents in Waves 2A and 3A. RwIUNWC and SwIUNWC are set to zero for all AHEAD Respondents in these waves. Same for RwIUNEM, RwIWCMP, SwIUNEM and SwIWCMP. RwIFUNWC and SwIFUNWC are set to .Q to flag the cases where this is done. Same for RwIFUNEM, SwIFUNEM, RwIFWCMP and SwIFWCMP.

Cross Wave Differences in Original HRS Data

The unemployment and worker's compensation questions are asked in all HRS waves for Respondent and spouse. The question wording varies slightly. In AHEAD (Waves 2A and 3A), there are no questions about unemployment and worker's compensation.

In Wave 1, the questions ask for income received in 1991. In Wave 2H, the questions ask for income received in 1993. Beginning in Wave 3H, the questions ask for income received in the last calendar year. The last calendar year is the year before the year of the interview.

The question about the amount received is:

"How much did you receive in [year]?"

Beginning in Wave 4, the question changes slightly to:

"How much did you receive in [year] (before taxes and other deductions)?"

In Wave 5, Respondents who are 65 years of age or older and report not working for pay in the last calendar year skip the questions about income from unemployment and worker's compensation. Respondents who are < 65 years of age, on the other hand, are asked both sets of questions, even if they are not working. From Wave 6 forward, the same pattern is true for Respondents who are 65 years of age or older. However, those who are < 65 years of age and report not working for pay in the last calendar year are asked the questions about income from unemployment but skip those related to worker's compensation.

Beginning in Wave 6, unfolding bracket questions are asked for unemployment and worker's compensation.

For AHEAD Respondents in Waves 2A and 3A, the income components corresponding to imputation flags R2IFUNEM, R2IFWCMP, S2IFUNEM, S2IFWCMP, R3IFUNEM, R3IFWCMP, S3IFUNEM, and S3IFWCMP are not available.

HRS Variables Used

HRS 1992:

V15501	N8:1991:RECV UNEMP C:IND
V15502	N8A:WHO RECVD UNEMP :IND
V15503	N9:UNEMP COMP: AMTRE:IND
V15523	N9:UNEMP COMP: AMTRE:IND
V15601	N13:1991:RECV WRKRS :IND
V15602	N13A:WHO RECVD WRKRS:IND
V15603	N16 WORK COMP: AMTRE:IND
V15623	N16 WORK COMP: AMTRE:IND
V5501	N8:1991:RECV UNEMP C:IMP
V5502	N8A:WHO RECVD UNEMP :IMP
V5503	N9:UNEMP COMP:\$AMT R:IMP
V5523	N11:UNEMP COMP:\$AMT :IMP
V5601	N13:1991:RECV WRKRS :IMP
V5602	N13A:WHO RECVD WRKRS:IMP
V5603	N14:WRKRS COMP:\$AMT :IMP
V5623	N16:WRK COMP:\$AMT RE:IMP

HRS 1994:

W15984	N9. Imputation flag
W15985	N9a. Imputation flag
W15986	N10. Imputation flag
W16003	N12. Imputation flag
W16020	N14. Imputation flag
W16021	N14a. Imputation flag
W16022	N15. Imputation flag
W16039	N17. Imputation flag

W5984	N9.UNEMPLOYMENT COMPENSA
W5985	N9a.WHO RECD UNEMPLOYMEN
W5986	N10.R-AMT UNEMPLOYMENT C
W6003	N12.SP-AMT UNEMPLOYMENT
W6020	N14.WORKERS COMPENSATION
W6021	N14a.WHO RECD WORKERS CO
W6022	N15.R-AMT WORKERS COMPEN
W6039	N17.SP-AMT WORKERS COMPE
HRS 1996:	
E3871	J1.R OR SP WORK FOR PAY LCYEAR
E3942	J21.WHETHER UNEMPL COMP LCY
E3943	J22.WHO RECD UNEMPL COMP
E3944	J23.AMT UNEMPL COMP LCY
E3952	J28.AMT S/P UNEMPL COMP LCY
E3961	J33.WHETHER WORKERS COMP LCY
E3962	J34.WHO RECD WORKERS COMP
E3963	J35.AMT WORKERS COMP LCY
E3974	J40.AMT S/P WORKERS COMP LCY
HRS 1998:	
F4629	J1.R OR SP WORK FOR PAY LCYEAR
F4702	J21.WHETHER UNEMPL COMP LCY
F4703	J22.WHO RECD UNEMPL COMP
F4704	J23.AMT UNEMPL COMP LCY
F4712	J28.AMT S/P UNEMPL COMP LCY
F4721	J33.WHETHER WORKERS COMP LCY
F4722	J34.WHO RECD WORKERS COMP
F4723	J35.AMT WORKERS COMP LCY
F4734	J40.AMT S/P WORKERS COMP LCY
HRS 2000:	
G5068	J1.R OR SP WORK FOR PAY LCYEAR
G5141	J21.WHETHER UNEMPL COMP LCY
G5142	J22.WHO RECD UNEMPL COMP
G5143	J23.AMT UNEMPL COMP LCY
G5151	J28.AMT S/P UNEMPL COMP LCY
G5160	J33.WHETHER WORKERS COMP LCY
G5161	J34.WHO RECD WORKERS COMP
G5162	J35.AMT WORKERS COMP LCY
G5173	J40.AMT S/P WORKERS COMP LCY
HRS 2002-2016:	
xQ010	R OR SP WORK FOR PAY - LCY
xQ064	R OR SP INCOME FROM UNEMPLOYMENT - LCY
xQ065	WHO RECEIVED INC FROM UNEMPLOYMENT LCY
xQ066	R AMOUNT FROM UNEMPLOYMENT - LCY
xQ067	R AMT FROM UNEMPLOYMENT- MIN
xQ068	R AMT FROM UNEMPLOYMENT - MAX
xQ070	SP AMOUNT FROM UNEMPLOYMENT - LCY
xQ071	SP AMT FROM UNEMPLOYMENT - MIN
xQ072	SP AMT FROM UNEMPLOYMENT - MAX
xQ074	R OR SP INCOME FROM WORKERS COMP - LCY
xQ075	WHO RECEIVED FROM WORKERS COMP LCY
xQ076	R AMOUNT FROM WORKERS COMP LCY
xQ077	R AMT FROM WORKERS COMP - MIN
xQ078	R AMT FROM WORKERS COMP - MAX
xQ080	SP AMOUNT FROM WORKERS COMP LCY
xQ081	SP AMT FROM WORKERS COMP - MIN
xQ082	SP AMT FROM WORKERS COMP - MAX
Tracker:	
xFINR	1992-2016 WHETHER FINANCIAL RESPONDENT

Individual income from other government transfers

Wave	Variable	Label	Type
1	R1IGXFR	R1IGXFR:W1 Income:R Other Gov Transfer	Cont
2	R2IGXFR	R2IGXFR:W2 Income:R Other Gov Transfer	Cont
3	R3IGXFR	R3IGXFR:W3 Income:R Other Gov Transfer	Cont
4	R4IGXFR	R4IGXFR:W4 Income:R Other Gov Transfer	Cont
5	R5IGXFR	R5IGXFR:W5 Income:R Other Gov Transfer	Cont
6	R6IGXFR	R6IGXFR:W6 Income:R Other Gov Transfer	Cont
7	R7IGXFR	R7IGXFR:W7 Income:R Other Gov Transfer	Cont
8	R8IGXFR	R8IGXFR:W8 Income:R Other Gov Transfer	Cont
9	R9IGXFR	R9IGXFR:W9 Income:R Other Gov Transfer	Cont
10	R10IGXFR	R10IGXFR:W10 Income:R Other Gov Transfer	Cont
11	R11IGXFR	R11IGXFR:W11 Income:R Other Gov Transfer	Cont
12	R12IGXFR	R12IGXFR:W12 Income:R Other Gov Transfer	Cont
13	R13IGXFR	R13IGXFR:W13 Income:R Other Gov Transfer	Cont
1	S1IGXFR	S1IGXFR:W1 Income:Sp Other Gov Transfer	Cont
2	S2IGXFR	S2IGXFR:W2 Income:Sp Other Gov Transfer	Cont
3	S3IGXFR	S3IGXFR:W3 Income:Sp Other Gov Transfer	Cont
4	S4IGXFR	S4IGXFR:W4 Income:Sp Other Gov Transfer	Cont
5	S5IGXFR	S5IGXFR:W5 Income:Sp Other Gov Transfer	Cont
6	S6IGXFR	S6IGXFR:W6 Income:Sp Other Gov Transfer	Cont
7	S7IGXFR	S7IGXFR:W7 Income:Sp Other Gov Transfer	Cont
8	S8IGXFR	S8IGXFR:W8 Income:Sp Other Gov Transfer	Cont
9	S9IGXFR	S9IGXFR:W9 Income:Sp Other Gov Transfer	Cont
10	S10IGXFR	S10IGXFR:W10 Income:Sp Other Gov Transfer	Cont
11	S11IGXFR	S11IGXFR:W11 Income:Sp Other Gov Transfer	Cont
12	S12IGXFR	S12IGXFR:W12 Income:Sp Other Gov Transfer	Cont
13	S13IGXFR	S13IGXFR:W13 Income:Sp Other Gov Transfer	Cont
1	R1IFGXFR	R1IFGXFR:W1 ImpFlag:R Other Gov Transfer	Categ
2	R2IFGXFR	R2IFGXFR:W2 ImpFlag:R Other Gov Transfer	Categ
3	R3IFGXFR	R3IFGXFR:W3 ImpFlag:R Other Gov Transfer	Categ
4	R4IFGXFR	R4IFGXFR:W4 ImpFlag:R Other Gov Transfer	Categ
5	R5IFGXFR	R5IFGXFR:W5 ImpFlag:R Other Gov Transfer	Categ
6	R6IFGXFR	R6IFGXFR:W6 ImpFlag:R Other Gov Transfer	Categ
7	R7IFGXFR	R7IFGXFR:W7 ImpFlag:R Other Gov Transfer	Categ
8	R8IFGXFR	R8IFGXFR:W8 ImpFlag:R Other Gov Transfer	Categ
9	R9IFGXFR	R9IFGXFR:W9 ImpFlag:R Other Gov Transfer	Categ
10	R10IFGXFR	R10IFGXFR:W10 ImpFlag:R Other Gov Transfer	Categ
11	R11IFGXFR	R11IFGXFR:W11 ImpFlag:R Other Gov Transfer	Categ
12	R12IFGXFR	R12IFGXFR:W12 ImpFlag:R Other Gov Transfer	Categ
13	R13IFGXFR	R13IFGXFR:W13 ImpFlag:R Other Gov Transfer	Categ
1	S1IFGXFR	S1IFGXFR:W1 ImpFlag:Sp Other Gov Transfer	Categ
2	S2IFGXFR	S2IFGXFR:W2 ImpFlag:Sp Other Gov Transfer	Categ
3	S3IFGXFR	S3IFGXFR:W3 ImpFlag:Sp Other Gov Transfer	Categ
4	S4IFGXFR	S4IFGXFR:W4 ImpFlag:Sp Other Gov Transfer	Categ
5	S5IFGXFR	S5IFGXFR:W5 ImpFlag:Sp Other Gov Transfer	Categ
6	S6IFGXFR	S6IFGXFR:W6 ImpFlag:Sp Other Gov Transfer	Categ
7	S7IFGXFR	S7IFGXFR:W7 ImpFlag:Sp Other Gov Transfer	Categ
8	S8IFGXFR	S8IFGXFR:W8 ImpFlag:Sp Other Gov Transfer	Categ
9	S9IFGXFR	S9IFGXFR:W9 ImpFlag:Sp Other Gov Transfer	Categ
10	S10IFGXFR	S10IFGXFR:W10 ImpFlag:Sp Other Gov Transfer	Categ
11	S11IFGXFR	S11IFGXFR:W11 ImpFlag:Sp Other Gov Transfer	Categ
12	S12IFGXFR	S12IFGXFR:W12 ImpFlag:Sp Other Gov Transfer	Categ
13	S13IFGXFR	S13IFGXFR:W13 ImpFlag:Sp Other Gov Transfer	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1IGXFR	12652	491.38	2682.31	0.0	60000.0

R2IGXFR	19642	6391.04	856226.10	0.0	119999928.0
R3IGXFR	17991	490.42	5367.65	0.0	396000.0
R4IGXFR	21384	506.64	4096.42	0.0	360000.0
R5IGXFR	19578	511.96	3218.54	0.0	96000.0
R6IGXFR	18165	561.16	3568.73	0.0	99600.0
R7IGXFR	20129	571.23	3467.42	0.0	66000.0
R8IGXFR	18469	667.97	3987.55	0.0	79656.0
R9IGXFR	17217	716.87	4194.51	0.0	98400.0
R10IGXFR	22034	787.65	4300.66	0.0	83076.0
R11IGXFR	20554	850.07	4637.90	0.0	96000.0
R12IGXFR	18747	959.28	4851.84	0.0	85704.0
R13IGXFR	20912	987.45	5242.26	0.0	120000.0
S1IGXFR	10279	419.71	2677.79	0.0	60000.0
S2IGXFR	13674	9019.80	1026203.31	0.0	119999928.0
S3IGXFR	12334	518.05	6353.21	0.0	396000.0
S4IGXFR	14516	499.03	4675.50	0.0	360000.0
S5IGXFR	13041	496.67	3478.97	0.0	96000.0
S6IGXFR	11859	547.02	3830.41	0.0	99600.0
S7IGXFR	13352	557.52	3771.90	0.0	66000.0
S8IGXFR	12052	654.40	4303.86	0.0	79656.0
S9IGXFR	11012	706.60	4483.64	0.0	78000.0
S10IGXFR	14235	744.17	4631.80	0.0	83076.0
S11IGXFR	13080	789.61	4920.31	0.0	96000.0
S12IGXFR	11622	884.97	5198.68	0.0	85704.0
S13IGXFR	12888	927.70	5622.55	0.0	120000.0
R1IFGXFR	12652	0.18	0.85	0.0	9.0
R2IFGXFR	19642	0.20	0.84	0.0	9.0
R3IFGXFR	17991	0.18	0.83	0.0	9.0
R4IFGXFR	21384	0.20	0.94	0.0	9.0
R5IFGXFR	19578	0.17	0.83	0.0	9.0
R6IFGXFR	18165	0.13	0.58	0.0	9.0
R7IFGXFR	20129	0.15	0.69	0.0	9.0
R8IFGXFR	18469	0.16	0.65	0.0	9.0
R9IFGXFR	17217	0.17	0.70	0.0	9.0
R10IFGXFR	22034	0.35	1.28	0.0	9.0
R11IFGXFR	20554	0.27	0.92	0.0	9.0
R12IFGXFR	18747	0.30	1.02	0.0	9.0
R13IFGXFR	20912	0.38	1.26	0.0	9.0
S1IFGXFR	12652	1.64	3.16	0.0	9.0
S2IFGXFR	19642	2.55	3.67	0.0	9.0
S3IFGXFR	17991	2.62	3.71	0.0	9.0
S4IFGXFR	21384	2.70	3.74	0.0	9.0
S5IFGXFR	19578	2.77	3.76	0.0	9.0
S6IFGXFR	18165	2.85	3.79	0.0	9.0
S7IFGXFR	20129	2.78	3.77	0.0	9.0
S8IFGXFR	18469	2.86	3.79	0.0	9.0
S9IFGXFR	17217	2.98	3.82	0.0	9.0
S10IFGXFR	22034	3.06	3.83	0.0	9.0
S11IFGXFR	20554	3.07	3.81	0.0	9.0
S12IFGXFR	18747	3.21	3.85	0.0	9.0
S13IFGXFR	20912	3.31	3.87	0.0	9.0

Categorical Variable Codes

RwIFGXFR: ImpFlag:R Other Gov Transfer											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	11251	17392	16027	19112	17634	16449	18052	16436	15253	18200
1.No imputations	|	1133	1571	1486	1700	1469	1310	1670	1642	1544	2818
2.Some imputation	|	173	545	352	365	338	361	318	326	345	598
9.No Fin Resp	|	95	134	126	207	137	45	89	65	75	418
Value		w11	w12	w13							
0.No income	|	17006	15251	16679							
1.No imputations	|	2802	2689	3174							
2.Some imputation	|	575	608	684							
9.No Fin Resp	|	171	199	375							
SwIFGXFR: ImpFlag:Sp Other Gov Transfer											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	9365	12485	11334	13332	12076	11032	12344	11085	10065	12222
1.No imputations	|	693	746	724	797	706	594	754	763	716	1381
2.Some imputation	|	126	339	190	202	166	197	177	152	169	305
8.No Sp/Part->no incm	|	2373	5968	5657	6868	6537	6306	6777	6417	6205	7799
9.No Fin Resp	|	95	104	86	185	93	36	77	52	62	327
Value		w11	w12	w13							
0.No income	|	11280	9926	10794							
1.No imputations	|	1340	1241	1427							
2.Some imputation	|	317	295	352							
8.No Sp/Part->no incm	|	7474	7125	8024							
9.No Fin Resp	|	143	160	315							

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

RwIGXFR sums the Respondent's income from veterans' benefits, welfare, and food stamps. RwIFGXFR is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

SwIGXFR and SwIFGXFR are the analogous spouse variables.

Veterans' benefits and food stamps are given as monthly amounts, which are multiplied by the appropriate number of months to derive the amount received in the last calendar year. For veterans' benefits, when we know the income was first received last calendar year, but no month information is available, we assume 6 months. Prior to Wave 10, we assumed 12 months. When neither the year of first receipt nor the months are known, we use 12 months.

For food stamps, when we know the income was received last calendar year, but no month information is available, we assume 6 months, accounting for the fact that this benefit is not necessarily received for an entire year and that households may not receive food stamps when their economic circumstances change. Prior to Wave 10, we assumed 12 months, and in Wave 10, we inadvertently used 0 months. When the Respondent reports receiving food stamps sometime since the last interview or in the last two years, but we know neither the year nor the month of receipt, we assume 6 months as well. Prior to Wave 11, we assumed 12 months. The assumptions that were used prior to Wave 11 will be updated as necessary in a future data release.

In all waves, veterans' benefits are reported individually and food stamps are reported for the household. In Wave 1, and from Wave 3 forward, welfare is reported for the household, but in Wave 2H it is reported individually. In Wave 2A, it is not reported at all.

Welfare income is split between the Respondent and spouse if the Respondent is married or partnered and the income is reported jointly. However, income from welfare is not split between the two members of the couple if only one reports receiving it, that is - it is assigned to the appropriate recipient. This logic does not apply for Wave 2H, since income from welfare is already reported individually. Nor does it pertain to Wave 2A, since there is no direct question about income from welfare. Income from food stamps is always divided equally between the Respondent and spouse.

In Wave 1, the questions ask the amount of veterans' benefits and food stamps received in 1991. From Wave 2 forward, a monthly amount is asked. For veterans' benefits the first month received is also asked. Beginning in Wave 2H, the questions about food stamps ask which months they were received since the last interview. The variable derivation checks the months income was received and multiplies the monthly amount appropriately to calculate a yearly amount.

The individual components: `RwIVET`, `R2IVETn`, `HwIFOOD`, `R2IWELF`, and `HwIWELF` and their imputation flags are available in the RAND HRS Detailed Imputations File.

Users should note a particularly large outlier skewing the distribution of `R2IGXFR` and `S2IGXFR`:

HHID: 086148 reported receiving \$9,999,994 or more last month in veteran's benefits in HRS Wave 2. Multiplying this amount by 12 months results in \$119,999,928 annually from veteran's benefits. This high value is incorporated in `S2IGXFR` for the Financial Respondent and in `R2IGXFR` for her spouse.

Cross Wave Differences in Original HRS Data

The way the income component questions are asked varies across waves.

In all waves, veterans' benefits are reported for Respondent and spouse individually, and food stamps are reported for the household. In Wave 1, and from Wave 3 forward, welfare is reported for the household, but in Wave 2H it can be reported individually or, if both the Respondent and spouse receive it, jointly.

In Wave 1, the questions ask for the annual amount of veterans' benefits and food stamps received in 1991. From Wave 2 forward, the amount of veterans' benefits received last month and the amount of food stamps in the latest month received are asked. For veterans' benefits the first month received is also asked. Beginning in Wave 2H, the questions about food stamps ask which months since last interview they were received. For welfare the question asks for the annual amount in all waves. Beginning in Wave 6, bracket amounts are asked for welfare, food stamps, and transfer income.

From Wave 3 forward, if the Respondent refuses or does not know the value of monthly veterans' benefits, a series of unfolding bracket questions are asked. The bracket amounts are the same across waves. The exception to this is in Wave 3A, where the bracket amounts are based on the last year, rather than the last month. In Waves 1 and 2, no unfolding bracket questions are asked.

The income questions in the Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income." After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (eg, Do you receive veterans' benefits?).

In Wave 2A, Financial Respondents are asked the following questions about their own income then their spouse's:

- a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"
- b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

- 1.VETERANS BENEFITS
- 2.RETIREMENT OR OTHER PENSIONS
- 3.ANNUITY
- 4.IRA DISTRIBUTION
- 5.STOCKS AND BONDS
- 7.OTHER
- 8.DK
- 9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

- a) "Did you receive any other regular income in [last calendar year] that you no longer receive?"
- b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 2 different instances of veterans' benefits. Besides pensions and annuities, other waves allow only one reported amount for most income categories, so that a Respondent would give a total of all veterans' benefits income received.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

In Wave 12, there are 64 Respondents who report receiving food stamps (OQ400 = 1), have missing (.) values for the "year received food stamps" questions (OQW776_1, OQW776_2, OQW776_3, OQW776_4), but do answer the "amount received" questions (OQ406 or OQ410). According to HRS, this is due to a programming oversight, resulting in the OQW776 questions being skipped for Respondents who completed the survey in 2015. We assume that these Respondents received food stamps for 6 months in the last calendar year.

HRS Variables Used

HRS 1992:

V15701	N18:RECV VETERANS BE:IND
V15702	N18A:WHO RECVD VET B:IND
V15704	N20:VET BN:R1 REC91I:IND
V15709	N20:VET BN:R2 REC91I:IND
V15901	N36:RECV WELFARE IN :IND
V15903	N37A:B:C AMT RECDIND:IND
V16211	N51:RCV FOOD STAMPS :IND

V16212 N51A:FOOD ST/M AMT I:IND
V5701 N18:RECV VETERANS BE:IMP
V5702 N18A:WHO RECVD VET B:IMP
V5704 N20:VET BN:R1\$AMT RE:IMP
V5705 N20:VET BN:R1PAY PER:IMP
V5709 N23:VET BN:R2\$AMT RE:IMP
V5710 N23:VET BN:R2PAY PER:IMP
V5901 N36:RECV WELFARE IN :IMP
V5903 N37A:B:C: AMT RECVD :IMP
V6211 N51:RCV FOOD STAMPS :IMP
V6212 N51A:FD STMP: AMT/M:IMP
V6213 N51A:FD STMP:PER 2 W:IMP
AHEAD 1993:
B1430 J13. FS: RECEIVE ANY FOOD STAMPS LAST MO
B1432 J13a. FS: \$ LAST MONTH
B1442 J14a. FS: START MONTH FOOD STAMPS
B1443 J14b. FS: START YEAR FOOD STAMPS
B1444 J15. FS: RECEIVE ANY 1992/93
B1450 J16. FS: LAST MONTH RECD 1992/3
B1451 J16a. FS: LAST YEAR RECD 1992/3
B1452 J17. FS: \$ LAST MONTH 1992/3
B1456 J19. R REG INC: RECEIVE ANY
B1457 J20-1. R REG INC: TYPE-1
B1458 J21-1. R REG INC: PAID PER MONTH-1
B1459 J21b-1. R REG INC: \$ PERIOD-1
B1460 J21c-1. R REG INC: \$ LAST PERIOD-1
B1462 J21e-1. R REG INC: START >2YRS AGO-1
B1463 J21f-1. R REG INC: START MONTH-1
B1464 J21g-1. R REG INC: START YEAR-1
B1473 J26-1. R REG INC: ANY OTHER-1
B1475 J20-2. R REG INC: TYPE-2
B1476 J21-2. R REG INC: PAID PER MONTH-2
B1477 J21b-2. R REG INC: \$ PERIOD-2
B1478 J21c-2. R REG INC: \$ LAST PERIOD-2
B1480 J21e-2. R REG INC: START >2YRS AGO-2
B1481 J21f-2. R REG INC: START MONTH-2
B1482 J21g-2. R REG INC: START YEAR-2
B1491 J26-2. R REG INC: ANY OTHER-2
B1492 J20-3. R REG INC: TYPE-3
B1493 J21-3. R REG INC: PAID PER MONTH-3
B1494 J21b-3. R REG INC: \$ PERIOD-3
B1495 J21c-3. R REG INC: \$ LAST PERIOD-3
B1497 J21e-3. R REG INC: START >2YRS AGO-3
B1498 J21f-3. R REG INC: START MONTH-3
B1499 J21g-3. R REG INC: START YEAR-3
B1508 J27. R REG INC: ANY END 1992/3
B1509 J27a. R REG INC END1992/3: TYPE
B1510 J28. R REG INC END 1992/3: PAID PER MO
B1511 J28a. R REG INC END 1992/3: \$ PERIOD
B1512 J28b. R REG INC END1992/3:\$ LAST PERIOD
B1513 J28c. R REG INC END92/3: LAST MO RECD
B1514 J28d. R REG INC END92/3: LAST YR RECD
B1515 J29. SP REG INC: RECEIVE ANY
B1517 J30-1. SP REG INC: TYPE-1
B1518 J31-1. SP REG INC: PAID PER MONTH-1
B1519 J31b-1. SP REG INC: \$ PERIOD-1
B1520 J31c-1. SP REG INC: \$ LAST PERIOD-1
B1522 J31e-1. SP REG INC: START >2YRS AGO-1
B1523 J31f-1. SP REG INC: START MONTH-1

B1524	J31g-1. SP REG INC: START YEAR-1
B1533	J36-1. SP REG INC: ANY OTHER-1
B1539	J30-2. SP REG INC: TYPE-2
B1540	J31-2. SP REG INC: PAID PER MONTH-2
B1541	J31b-2. SP REG INC: \$ PERIOD-2
B1542	J31c-2. SP REG INC: \$ LAST PERIOD-2
B1544	J31e-2. SP REG INC: START >2YRS AGO-2
B1545	J31f-2. SP REG INC: START MONTH-2
B1546	J31g-2. SP REG INC: START YEAR-2
B1555	J36-2. SP REG INC: ANY OTHER-2
B1560	J30-3. SP REG INC: TYPE-3
B1561	J31-3. SP REG INC: PAID PER MONTH-3
B1562	J31b-3. SP REG INC: \$ PERIOD-3
B1563	J31c-3. SP REG INC: \$ LAST PERIOD-3
B1565	J31e-3. SP REG INC: START >2YRS AGO-3
B1566	J31f-3. SP REG INC: START MONTH-3
B1567	J31g-3. SP REG INC: START YEAR-3
B1576	J37. SP REG INC: ANY END 92/93
B1577	J37a. SP REG INC END 92/93: TYPE
B1578	J37b. SP REG INC END 92/93: LAST MO RECD
B1579	J37b. SP REG INC END 92/93: LAST YR RECD
B1580	J37c. SP REG INC END 92/93: PAID PER MO
B1581	J37d. SP REG INC END 92/93: \$ PERIOD
B1582	J37e. SP REG INC END 92/93: \$ LST PERIOD
HRS 1994:	
W16056	N19. Imputation flag
W16063	N19g. Imputation flag
W16067	N19m. Imputation flag
W16282	N26. Imputation flag
W16283	N27. Imputation flag
W16284	N27a1. Imputation flag
W16285	N27b1. Imputation flag
W6056	N19.VETERANS BENEFITS?
W6057	N19a.WHO RECD VETERANS B
W6063	N19g.R-AMT VETERANS BENE
W6064	N19h.R-MONTH START VETER
W6065	N19h.R-YEAR START VETERA
W6067	N19m.SP-AMT VETERANS BEN
W6068	N19n.SP-MONTH START VETE
W6069	N19n.SP-YEAR START VETER
W6282	N26.WELFARE?
W6283	N27.WHO RECEIVED WELFARE
W6284	N27a1.R-AMT WELFARE 1993
W6285	N27b1.SP-AMT WELFARE 199
W6286	N27c1.BOTH-AMT WELFARE 1
W6311	N32.GOV'T FOOD STAMPS SIN
W6312	N32a.WHICH MONTHS
W6313	N32a.START/STOP FOOD STA
W6314	N32a.START/STOP FOOD STA
W6327	N32b. Jan 1993
W6328	N32b. Feb 1993
W6329	N32b. Mar 1993
W6330	N32b. Apr 1993
W6331	N32b. May 1993
W6332	N32b. Jun 1993
W6333	N32b. Jul 1993
W6334	N32b. Aug 1993
W6335	N32b. Sep 1993
W6336	N32b. Oct 1993

W6337	N32b. Nov 1993
W6338	N32b. Dec 1993
W6352	N32b. All of 1993
W6354	N32b. Other
W6355	N32b. DK
W6356	N32b. RF
W6357	N32c.AMT FOOD STAMPS LAS
AHEAD 1995:	
D3927	J12.WHETHER WELFARE 1993
D3929	J12B.AMT WELFARE LCY
D3935	J13.VET BENEFITS
D3936	J13A.VET WHO REC
D3937	J13A.R VET BENEFIT OPEN
D3940	J13D.J13C,DK
D3941	J13E.J13C,DK-2
D3942	J13F.J13C,DK-3
D3950	J13N.SP VET BENEFIT OPEN
D3953	J13Q.DK-1
D3954	J13R.J13C,DK-2
D3955	J13S.J13C,DK-3
D4587	J65.WHETHER FOOD STAMPS 1994
D4595	J65E.AMT FOOD STAMPS
D4597	J65G.AMT FOOD STAMPS LAST MONTH
HRS 1996:	
E4036	J64.R/S WHETHER WELFARE LCY
E4038	J66.AMT WELFARE LCY
E4041	J67.VET BENEFITS
E4042	J68.VET WHO REC
E4043	J69.R VET BENEFIT LAST MONTH
E4046B	J69.R VET BENEFIT LAST MONTH/Bkt
E4051	J70.R VET BENEFIT START YEAR
E4052	J70A.R VET BENEFIT START MONTH
E4056	J72.AMT SP VET BEN LAST MO
E4059B	J72.AMT SP VET BEN LAST MO/Bkt
E4064	J73.SP VET BENEFIT START YEAR
E4065	J73A.SP VET BENEFIT START MONTH
E4588	J255.WHETHER FOOD STAMPS 1994
E4589	J256.WHICH MONTHS
E4590	J257.MONTH
E4591	J258.YEAR
E4593M16	J259.SPECIFIC MONTH - JAN 95
E4593M17	J259.SPECIFIC MONTH - FEB 95
E4593M18	J259.SPECIFIC MONTH - MAR 95
E4593M19	J259.SPECIFIC MONTH - APR 95
E4593M20	J259.SPECIFIC MONTH - MAY 95
E4593M21	J259.SPECIFIC MONTH - JUN 95
E4593M22	J259.SPECIFIC MONTH - JUL 95
E4593M23	J259.SPECIFIC MONTH - AUG 95
E4593M24	J259.SPECIFIC MONTH - SEP 95
E4593M25	J259.SPECIFIC MONTH - OCT 95
E4593M26	J259.SPECIFIC MONTH - NOV 95
E4593M27	J259.SPECIFIC MONTH - DEC 95
E4593M28	J259.SPECIFIC MONTH - JAN 96
E4593M29	J259.SPECIFIC MONTH - FEB 96
E4593M30	J259.SPECIFIC MONTH - MAR 96
E4593M31	J259.SPECIFIC MONTH - APR 96
E4593M32	J259.SPECIFIC MONTH - MAY 96
E4593M33	J259.SPECIFIC MONTH - JUN 96
E4593M34	J259.SPECIFIC MONTH - JUL 96

E4596	J260.AMT FOOD STAMPS
E4598	J262.AMT FOOD STAMPS LAST MONTH
HRS 1998:	
F4796	J64.R/S WHETHER WELFARE LCY
F4798	J66.AMT WELFARE LCY
F4801	J67.VET BENEFITS
F4802	J68.VET WHO REC
F4803	J69.R VET BENEFIT LAST MONTH
F4806	J69A.DK-1K
F4807	J69B.DK-1500
F4808	J69C.DK-500
F4811	J70.R VET BENEFIT START YEAR
F4812	J70A.R VET BENEFIT START MONTH
F4816	J72.AMT SP VET BEN LAST MO
F4819	J72A.DK-1K
F4820	J72B.DK-1,500
F4821	J72C.DK-500
F4824	J73.SP VET BENEFIT START YEAR
F4825	J73A.SP VET BENEFIT START MONTH
F5348	J255.WHETHER FOOD STAMPS 1996
F5349	J256.WHICH MONTHS
F5350	J257.MONTH
F5351	J258.YEAR
F5353M1	J259.SPECIFIC MONTHS
F5353M10	J259.SPECIFIC MONTHS
F5353M2	J259.SPECIFIC MONTHS
F5353M3	J259.SPECIFIC MONTHS
F5353M4	J259.SPECIFIC MONTHS
F5353M5	J259.SPECIFIC MONTHS
F5353M6	J259.SPECIFIC MONTHS
F5353M7	J259.SPECIFIC MONTHS
F5353M8	J259.SPECIFIC MONTHS
F5353M9	J259.SPECIFIC MONTHS
F5356	J260.AMT FOOD STAMPS
F5358	J262.AMT FOOD STAMPS LAST MONTH
HRS 2000:	
G5239	J64.R/S WHETHER WELFARE LCY
G5241	J66.AMT WELFARE LCY
G5244	J67.VET BENEFITS
G5247	J68.VET WHO REC
G5248	J69.R VET BENEFIT LAST MONTH
G5251	J69A.DK-1K
G5252	J69B.DK-1500
G5253	J69C.DK-500
G5256	J70.R VET BENEFIT START YEAR
G5257	J70A.R VET BENEFIT START MONTH
G5261	J72.AMT SP VET BEN LAST MO
G5264	J72A.DK-1K
G5265	J72B.DK-1500
G5266	J72C.DK-500
G5269	J73.SP VET BENEFIT START YEAR
G5270	J73A.SP VET BENEFIT START MONTH
G5735	J255. FOOD STAMPS SINCE LAST IW
G5736	J256.WHICH MONTHS
G5737	J257.MONTH
G5738	J258.YEAR
G5740M1	J259.SPECIFIC MONTHS
G5740M10	J259.SPECIFIC MONTHS
G5740M2	J259.SPECIFIC MONTHS

G5740M3	J259.SPECIFIC MONTHS
G5740M4	J259.SPECIFIC MONTHS
G5740M5	J259.SPECIFIC MONTHS
G5740M6	J259.SPECIFIC MONTHS
G5740M7	J259.SPECIFIC MONTHS
G5740M8	J259.SPECIFIC MONTHS
G5740M9	J259.SPECIFIC MONTHS
G5743	J260.AMT FOOD STAMPS
G5745	J262.AMT FOOD STAMPS LAST MONTH
HRS 2002:	
HQ404M01	SPECIFIC MONTH -1
HQ404M02	SPECIFIC MONTH -2
HQ404M03	SPECIFIC MONTH -3
HQ404M04	SPECIFIC MONTH -4
HQ404M05	SPECIFIC MONTH -5
HQ404M06	SPECIFIC MONTH -6
HQ404M07	SPECIFIC MONTH -7
HQ404M08	SPECIFIC MONTH -8
HQ404M09	SPECIFIC MONTH -9
HRS 2004:	
JQ404M27	FOOD STAMPS-MONTH -27
JQ404M28	FOOD STAMPS-MONTH -28
JQ404M29	FOOD STAMPS-MONTH -29
JQ404M30	FOOD STAMPS-MONTH -30
JQ404M31	FOOD STAMPS-MONTH -31
JQ404M32	FOOD STAMPS-MONTH -32
HRS 2010:	
MQW778_1M6	ANY MONTHS RECIEVED FOOD STAMPS - 1
HRS 2002-2004:	
xQ404M23	SPECIFIC MONTH -23
xQ404M24	SPECIFIC MONTH -24
xQ404M25	SPECIFIC MONTH -25
xQ404M26	SPECIFIC MONTH -26
HRS 2002-2006:	
xQ404M22	SPECIFIC MONTH -22
HRS 2002-2008:	
xQ401	WHICH MONTHS HH FOOD STAMPS
xQ402	MONTH HH STARTED RECEIVING FOOD STAMPS
xQ403	YEAR HH STARTED RECEIVING FOOD STAMPS
xQ404M10	SPECIFIC MONTH -10
xQ404M11	SPECIFIC MONTH -11
xQ404M12	SPECIFIC MONTH -12
xQ404M13	SPECIFIC MONTH -13
xQ404M14	SPECIFIC MONTH -14
xQ404M15	SPECIFIC MONTH -15
xQ404M16	SPECIFIC MONTH -16
xQ404M17	SPECIFIC MONTH -17
xQ404M18	SPECIFIC MONTH -18
xQ404M19	SPECIFIC MONTH -19
xQ404M20	SPECIFIC MONTH -20
xQ404M21	SPECIFIC MONTH -21
HRS 2002-2016:	
xQ113	R OR SP INCOME FR WELFARE NOT SSI - LCY
xQ115	AMOUNT FROM WELFARE LCY
xQ119	R OR SP INC FR VETERAN BEN MILITARY PENS
xQ120	WHO RECEIVES VET BEN MILITARY PENSION
xQ121	R AMT FR VETERAN BENEFITS - LAST MONTH
xQ122	R AMT FR VETERAN BENEFITS - MIN
xQ123	R AMT FR VETERAN BENEFITS - MAX

xQ124	R AMT FR VETERAN BENEFITS - RESULT
xQ125	R YEAR STARTED VETERAN BENEFITS
xQ126	R MONTH STARTED VETERAN BENEFITS
xQ127	SP AMT FR VETERAN BENEFITS - LAST MONTH
xQ128	SP AMT FR VETERAN BENEFITS - MIN
xQ129	SP AMT FR VETERAN BENEFITS - MAX
xQ130	SP AMT VETERAN BENEFITS - RESULT
xQ131	SP YEAR STARTED VETERAN BENEFITS
xQ132	SP MONTH STARTED VETERAN BENEFITS
xQ400	HH FOOD STAMPS SINCE LAST IW
xQ406	AMT FOOD STAMPS HH RECD - LAST MONTH
xQ410	AMT FOOD STAMPS HH CURR REC - LAST MONTH
HRS 2004-2008:	
xQ404M1	FOOD STAMPS-MONTH -1
xQ404M2	FOOD STAMPS-MONTH -2
xQ404M3	FOOD STAMPS-MONTH -3
xQ404M4	FOOD STAMPS-MONTH -4
xQ404M5	FOOD STAMPS-MONTH -5
xQ404M6	FOOD STAMPS-MONTH -6
xQ404M7	FOOD STAMPS-MONTH -7
xQ404M8	FOOD STAMPS-MONTH -8
xQ404M9	FOOD STAMPS-MONTH -9
HRS 2010-2014:	
xQW778_4M12	ANY MONTHS RECIEVED FOOD STAMPS - 4
HRS 2010-2016:	
xQW776_1	YEAR RECIEVED FOOD STAMPS - 1
xQW776_2	YEAR RECIEVED FOOD STAMPS - 2
xQW776_3	YEAR RECIEVED FOOD STAMPS - 3
xQW776_4	YEAR RECIEVED FOOD STAMPS - 4
xQW777_1	ANY MONTHS RECIEVED FOOD STAMPS - 1
xQW777_2	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW777_3	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW777_4	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_1M1	ANY MONTHS RECIEVED FOOD STAMPS - 1
xQW778_1M2	ANY MONTHS RECIEVED FOOD STAMPS - 1
xQW778_1M3	ANY MONTHS RECIEVED FOOD STAMPS - 1
xQW778_1M4	ANY MONTHS RECIEVED FOOD STAMPS - 1
xQW778_1M5	ANY MONTHS RECIEVED FOOD STAMPS - 1
xQW778_2M1	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M10	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M11	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M12	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M2	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M3	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M4	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M5	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M6	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M7	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M8	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_2M9	ANY MONTHS RECIEVED FOOD STAMPS - 2
xQW778_3M1	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M10	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M11	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M12	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M2	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M3	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M4	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M5	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M6	ANY MONTHS RECIEVED FOOD STAMPS - 3

xQW778_3M7	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M8	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_3M9	ANY MONTHS RECIEVED FOOD STAMPS - 3
xQW778_4M1	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M10	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M11	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M2	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M3	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M4	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M5	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M6	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M7	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M8	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW778_4M9	ANY MONTHS RECIEVED FOOD STAMPS - 4
xQW786	PRIOR MONTHS

Tracker:

xFINR	1992-2016 WHETHER FINANCIAL RESPONDENT
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All other household income

Wave	Variable	Label	Type
1	H1IOTHR	H1IOTHR:W1 Income:Other Household	Cont
2	H2IOTHR	H2IOTHR:W2 Income:Other Household	Cont
3	H3IOTHR	H3IOTHR:W3 Income:Other Household	Cont
4	H4IOTHR	H4IOTHR:W4 Income:Other Household	Cont
5	H5IOTHR	H5IOTHR:W5 Income:Other Household	Cont
6	H6IOTHR	H6IOTHR:W6 Income:Other Household	Cont
7	H7IOTHR	H7IOTHR:W7 Income:Other Household	Cont
8	H8IOTHR	H8IOTHR:W8 Income:Other Household	Cont
9	H9IOTHR	H9IOTHR:W9 Income:Other Household	Cont
10	H10IOTHR	H10IOTHR:W10 Income:Other Household	Cont
11	H11IOTHR	H11IOTHR:W11 Income:Other Household	Cont
12	H12IOTHR	H12IOTHR:W12 Income:Other Household	Cont
13	H13IOTHR	H13IOTHR:W13 Income:Other Household	Cont
1	H1IFOTHR	H1IFOTHR:W1 ImpFlag:Other Household Inc	Categ
2	H2IFOTHR	H2IFOTHR:W2 ImpFlag:Other Household Inc	Categ
3	H3IFOTHR	H3IFOTHR:W3 ImpFlag:Other Household Inc	Categ
4	H4IFOTHR	H4IFOTHR:W4 ImpFlag:Other Household Inc	Categ
5	H5IFOTHR	H5IFOTHR:W5 ImpFlag:Other Household Inc	Categ
6	H6IFOTHR	H6IFOTHR:W6 ImpFlag:Other Household Inc	Categ
7	H7IFOTHR	H7IFOTHR:W7 ImpFlag:Other Household Inc	Categ
8	H8IFOTHR	H8IFOTHR:W8 ImpFlag:Other Household Inc	Categ
9	H9IFOTHR	H9IFOTHR:W9 ImpFlag:Other Household Inc	Categ
10	H10IFOTHR	H10IFOTHR:W10 ImpFlag:Other Household Inc	Categ
11	H11IFOTHR	H11IFOTHR:W11 ImpFlag:Other Household Inc	Categ
12	H12IFOTHR	H12IFOTHR:W12 ImpFlag:Other Household Inc	Categ
13	H13IFOTHR	H13IFOTHR:W13 ImpFlag:Other Household Inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1IOTHR	12652	2019.15	17334.87	0.0	950000.0
H2IOTHR	19642	1708.98	15955.36	0.0	1035000.0
H3IOTHR	17991	1478.47	15422.62	0.0	700000.0
H4IOTHR	21384	2579.94	45539.98	0.0	3961825.4
H5IOTHR	19578	2972.52	56023.10	0.0	5000000.0
H6IOTHR	18165	2028.38	24111.73	0.0	1200000.0
H7IOTHR	20129	3023.00	30339.59	0.0	1000000.0
H8IOTHR	18469	3185.70	58266.10	0.0	5024500.0
H9IOTHR	17217	2523.89	44350.75	0.0	5150000.0
H10IOTHR	22034	2560.29	33330.79	0.0	2056858.3
H11IOTHR	20554	2248.12	23145.10	0.0	1300000.0
H12IOTHR	18747	2510.67	25364.11	0.0	1130000.0
H13IOTHR	20912	3355.70	43040.25	0.0	2334258.1
H1IFOTHR	12652	0.19	0.86	0.0	9.0
H2IFOTHR	19642	0.21	0.85	0.0	9.0
H3IFOTHR	17991	0.16	0.82	0.0	9.0
H4IFOTHR	21384	0.21	0.96	0.0	9.0
H5IFOTHR	19578	0.17	0.83	0.0	9.0
H6IFOTHR	18165	0.12	0.57	0.0	9.0
H7IFOTHR	20129	0.15	0.71	0.0	9.0
H8IFOTHR	18469	0.13	0.64	0.0	9.0
H9IFOTHR	17217	0.14	0.69	0.0	9.0
H10IFOTHR	22034	0.28	1.27	0.0	9.0
H11IFOTHR	20554	0.17	0.88	0.0	9.0

H12IFOTHR	18747	0.20	0.98	0.0	9.0
H13IFOTHR	20912	0.26	1.24	0.0	9.0

Categorical Variable Codes

HwIFOTHR: ImpFlag:Other Household Inc											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	11232	17254	16378	19207	17709	16718	18313	16918	15811	19783
1.No imputations	|	1093	1593	1203	1409	1369	1023	1208	1106	963	1225
2.Some imputation	|	232	661	284	561	363	379	519	380	368	608
9.No Fin Resp	|	95	134	126	207	137	45	89	65	75	418

Value		w11	w12	w13
0.No income	|	18913	17055	18972
1.No imputations	|	1063	1063	1072
2.Some imputation	|	407	430	493
9.No Fin Resp	|	171	199	375

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

HwIOTHR sums alimony, other income, and lump sums from insurance, pension, and inheritance. HwIFOTHR is a flag that indicates whether any components are imputed, and if so, how much information is available for imputation.

In Wave 1, lump sum income from pensions, insurance, and inheritance are available. Beginning in Wave 2, the questions about lump sum income are generic, but the type and the year in which the lump sum was received are also asked. Only amounts reported as being received from insurance, pension, and inheritance in the last calendar year are included here.

In Waves 1 and 2A, income from friends and family are reported. In later waves, income from friends and family is specifically excluded in question wording about other income. For consistency, income from friends and family are NOT included in this income measure.

For Wave 2A, and from Wave 7 forward, income from alimony (or child support payments) was not asked about. Therefore, this type of income is not included amongst the components that are used to derive other household income.

The individual components: HwIAlMNY, HwILUYRn, HwIOTHIn and their imputation flags are available in RAND HRS Detailed Imputations File.

Cross Wave Differences in Original HRS Data

The way that some of the income component questions are asked may vary across waves. The questions about lump sum income and other household income change across waves, while the questions on alimony remain the same across waves through Wave 6. Beginning in Wave 7 forward, the question about alimony is not asked.

In Wave 1, questions in the income section ask three separate questions, one for each type of lump sum:

"Did you [or your (husband/wife/partner)] receive a lump sum of money in 1991 from [pensions, insurance, inheritance]?"

In Wave 2, the lump sum income questions are asked in the assets section of the questionnaire:

"People sometimes receive property or lump sum payments of money from such things as pension settlements, insurance settlements, cashing in annuities, or inheritances. In the past two years did you [or your (husband/wife/partner)] receive a lump sum of money or property worth \$500 or more that you have not already told me about? Do not include loans or gifts."

The Wave 3 question wording is similar to that in Wave 2H. Instead of "the past two years," the wording is "since [previous interview month]" if the Respondent has a previous interview. Also the words "worth \$500" are dropped.

Beginning in Wave 4, the question wording is:

"People sometimes receive large amounts of property or money in the form of an inheritance, a trust fund, an insurance settlement, and so on. Have you [or your spouse/partner] [ever/since last interview] received money or property in the form of an inheritance, a trust fund, or an insurance settlement?"

Note that the word "large" is included and the reference period is "ever" if this is the Respondent's first interview. A note to the interviewer indicates that "large" means \$10,000 or more.

From Wave 2 forward, the type of payment and month received are asked and questions about any other lump sum, one or two more times. The amount question asks about the largest or next largest lump sum. Thus the amounts of the three largest lump sums are available.

Other household income is derived from questions about any other income not asked about specifically. In Waves 1 and 2A, there is also a question about income from friends and family. In later waves, income from friends and family is specifically excluded in question wording about other income.

The question wording for other income varies across waves. In Wave 1, the question asks:

"Any other income from sources other than Social Security, which I'll ask about next?"

In Wave 2H, two questions ask about other income:

1. "(Other than income you have already told me about, did you [and your (husband/wife/partner)] receive any other income in 1993, for example, from private disability insurance payments, consulting fees, odd jobs, and so forth? [DO NOT INCLUDE FINANCIAL SUPPORT FROM RELATIVES OR FRIENDS.]"

2. "Are there any others?"

In Wave 3H forward, only one question about other income is asked and the wording is similar to that in the first question in Wave 2H, except that "rent from your home or second home" is added to the list of examples. In Wave 3A, the question wording is also similar to that in the first question in Wave 2H, except that "consulting fees" is removed from the list of examples. Beginning in Wave 4, the question that actually asks for the amount received adds the words "before taxes and other deductions."

No unfolding bracket questions are asked for alimony and other income in any wave, except for Wave 6. From Wave 2 forward,

if the Respondent refuses or does not know the value of a lump sum, a follow-up question asks if the amount is more than \$50,000 (\$30,000 in Wave 2A). In Wave 1, no follow-up question is asked.

The income questions in Wave 2A are very different from other waves. Most distinctive are the "regular income" for Respondent and spouse and "other household income". After standard questions about Social Security income, SSI and food stamps, other income is asked about in a general way. If other income is present, Respondents are asked to specify the source of income. In other waves, most income types are asked specifically (e.g., Do you receive any other income?).

In Wave 2A, Financial Respondents are asked the following questions about their own income then their spouse's:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1.VETERANS BENEFITS

2.RETIREMENT OR OTHER PENSIONS

3.ANNUITY

4.IRA DISTRIBUTION

5.STOCKS AND BONDS

7.OTHER

8.DK

9.RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in [last calendar year] that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of "other" income.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

HRS Variables Used

HRS 1992:

V15914	N38E:OTHR	INCME:ALIM:IND
V15915	N39E:OTHR	INCME AMT :IND
V15923	N38G:OTHR	INCME:NOT :IND
V15924	N39G:OTHR	INCM1 AMT :IND
V16201	N48a:RCV	91:INSUR :IND
V16202	N48A:REC	91: AMT :IND
V16203	N48b:RCV	91:PENS S:IND
V16204	N48AB:REC	91: AMT:IND
V16205	N48c:RCV	91:INHERI:IND
V16206	N48AC:REC	91: AMT:IND
V5914	N38E:OTHR	INCME:ALIM:IMP

V5915 N39E:OTHR INCME: AM:IMP
V5923 N38G:OTHR INCME:NOT :IMP
V5924 N39G:OTHR INCME:1: :IMP
V5926 N39G:OTHR INCME:2: :IMP
V6201 N48a:RCV 91:INSUR :IMP
V6202 N48Aa:RCV 91: AMT:IMP
V6203 N48b:RCV 91:PENS S:IMP
V6204 N48Ab:RCV 91: AMT:IMP
V6205 N48c:RCV 91:INHERI:IMP
V6206 N48Ac:RCV 91: AMT:IMP
AHEAD 1993:
B1456 J19. R REG INC: RECEIVE ANY
B1457 J20-1. R REG INC: TYPE-1
B1458 J21-1. R REG INC: PAID PER MONTH-1
B1459 J21b-1. R REG INC: \$ PERIOD-1
B1460 J21c-1. R REG INC: \$ LAST PERIOD-1
B1462 J21e-1. R REG INC: START >2YRS AGO-1
B1463 J21f-1. R REG INC: START MONTH-1
B1464 J21g-1. R REG INC: START YEAR-1
B1473 J26-1. R REG INC: ANY OTHER-1
B1475 J20-2. R REG INC: TYPE-2
B1476 J21-2. R REG INC: PAID PER MONTH-2
B1477 J21b-2. R REG INC: \$ PERIOD-2
B1478 J21c-2. R REG INC: \$ LAST PERIOD-2
B1480 J21e-2. R REG INC: START >2YRS AGO-2
B1481 J21f-2. R REG INC: START MONTH-2
B1482 J21g-2. R REG INC: START YEAR-2
B1491 J26-2. R REG INC: ANY OTHER-2
B1492 J20-3. R REG INC: TYPE-3
B1493 J21-3. R REG INC: PAID PER MONTH-3
B1494 J21b-3. R REG INC: \$ PERIOD-3
B1495 J21c-3. R REG INC: \$ LAST PERIOD-3
B1497 J21e-3. R REG INC: START >2YRS AGO-3
B1498 J21f-3. R REG INC: START MONTH-3
B1499 J21g-3. R REG INC: START YEAR-3
B1508 J27. R REG INC: ANY END 1992/3
B1509 J27a. R REG INC END1992/3: TYPE
B1510 J28. R REG INC END 1992/3: PAID PER MO
B1511 J28a. R REG INC END 1992/3: \$ PERIOD
B1512 J28b. R REG INC END1992/3:\$ LAST PERIOD
B1513 J28c. R REG INC END92/3: LAST MO RECD
B1514 J28d. R REG INC END92/3: LAST YR RECD
B1515 J29. SP REG INC: RECEIVE ANY
B1517 J30-1. SP REG INC: TYPE-1
B1518 J31-1. SP REG INC: PAID PER MONTH-1
B1519 J31b-1. SP REG INC: \$ PERIOD-1
B1520 J31c-1. SP REG INC: \$ LAST PERIOD-1
B1522 J31e-1. SP REG INC: START >2YRS AGO-1
B1523 J31f-1. SP REG INC: START MONTH-1
B1524 J31g-1. SP REG INC: START YEAR-1
B1533 J36-1. SP REG INC: ANY OTHER-1
B1539 J30-2. SP REG INC: TYPE-2
B1540 J31-2. SP REG INC: PAID PER MONTH-2
B1541 J31b-2. SP REG INC: \$ PERIOD-2
B1542 J31c-2. SP REG INC: \$ LAST PERIOD-2
B1544 J31e-2. SP REG INC: START >2YRS AGO-2
B1545 J31f-2. SP REG INC: START MONTH-2
B1546 J31g-2. SP REG INC: START YEAR-2
B1555 J36-2. SP REG INC: ANY OTHER-2

B1560	J30-3. SP REG INC: TYPE-3
B1561	J31-3. SP REG INC: PAID PER MONTH-3
B1562	J31b-3. SP REG INC: \$ PERIOD-3
B1563	J31c-3. SP REG INC: \$ LAST PERIOD-3
B1565	J31e-3. SP REG INC: START >2YRS AGO-3
B1566	J31f-3. SP REG INC: START MONTH-3
B1567	J31g-3. SP REG INC: START YEAR-3
B1576	J37. SP REG INC: ANY END 92/93
B1577	J37a. SP REG INC END 92/93: TYPE
B1578	J37b. SP REG INC END 92/93: LAST MO RECD
B1579	J37b. SP REG INC END 92/93: LAST YR RECD
B1580	J37c. SP REG INC END 92/93: PAID PER MO
B1581	J37d. SP REG INC END 92/93: \$ PERIOD
B1582	J37e. SP REG INC END 92/93: \$ LST PERIOD
B1792	K36. LUMP SUM \$500\+: ANY, PAST 2YRS
B1793	K37. LUMP SUM: TYPE-1
B1794	K38. LUMP SUM: PAYMENT MONTH-1
B1795	K38a. LUMP SUM: PAYMENT YEAR-1
B1796	K39. LUMP SUM: \$ RECEIVED-1
B1798	K41. LUMP SUM: OTHER IN LAST 2YRS-1
B1799	K37. LUMP SUM: TYPE-2
B1800	K38. LUMP SUM: PAYMENT MONTH-2
B1801	K38a. LUMP SUM: PAYMENT YEAR-2
B1802	K39. LUMP SUM: \$ RECEIVED-2
B1804	K41. LUMP SUM: OTHER IN LAST 2YRS-2
B1805	K37. LUMP SUM: TYPE-3
B1806	K38. LUMP SUM: PAYMENT MONTH-3
B1807	K38a. LUMP SUM: PAYMENT YEAR-3
B1808	K39. LUMP SUM: \$ RECEIVED-3
HRS 1994:	
W16303	N28d. Imputation flag
W16304	N29d1. Imputation flag
W16305	N28f. Imputation flag
W16306	N29f1. Imputation flag
W5565	K36.RECEIVE LUMP SUM PAY
W5568	K38a-1.RECEIVE LUMP SUM-
W5569	K39-1.AMOUNT OF LUMP SUM
W5570	K40-1.>50K
W5572	K42-1.RECEIVE OTHER LUMP
W5575	K38a-2.RECEIVE LUMP SUM-
W5576	K39-2.AMOUNT OF LUMP SUM
W5577	K40-2.>50K
W5579	K42-3.RECEIVE LUMP SUM-3
W5582	K38a-3.RECEIVE LUMP SUM-
W5583	K39-3.AMOUNT OF LUMP SUM
W5584	K40-3.>50K
W6303	N28d.ALIMONY/CHILD SUPPO
W6304	N29d1.AMT ALIMONY/CHILD
W6305	N28f.OTHER INCOME IN 199
W6306	N29f1.AMT OTHER INCOME-1
W6307	N29f3.ANY OTHERS?
W6308	N29f4.AMT OTHER INCOME-2
AHEAD 1995:	
D4566	J61.ALIMONY INCOME
D4567	J61A.AMT ALIMONY \$ LCY
D4573	J62.OTHER SOURCES INCOME
D4574	J62A. OTHER SOURCES \$ 1994
D4747	J83. LUMP SUM
D4750	J85A.DATE LUMP-1

D4751	J86-1. LUMP \$-1
D4752	J87-1.>50K
D4754	J89.ANY OTHER LUMP SUM-2
D4757	J85A-2.LUMP SUM YEAR-2
D4758	J86-2. LUMP \$-2
D4759	J87-2.>50K
D4761	J43.ANY OTHER LUMP SUM-3
D4764	J85A-3.LUMP SUM YEAR-3
D4765	J86-3. LUMP \$-3
D4766	J87-3.>50K
HRS 1996:	
E4567	J247.ALIMONY INCOME
E4568	J248.AMT ALIMONY \$ LCY
E4574	J249.OTHER SOURCES INCOME
E4575	J250.OTHER SOURCES \$ 1994
E4748	J305.LUMP SUM
E4751	J308.YEAR LUMP-1
E4752	J309.LUMP \$-1
E4753	J309A.>50K
E4755	J311. ANY SECOND LUMP SUM
E4758	J314. SECOND LUMP SUM: YEAR RECEIVED
E4759	J315.LUMP \$-2
E4760	J315A.>50K
E4763	J318.LUMP SUM-3
E4765	J320. THIRD LUMP SUM: YEAR RECEIVED
E4766	J321.LUMP \$-3
E4767	J321A.>50K
HRS 1998:	
F5327	J247.ALIMONY INCOME
F5328	J248.AMT ALIMONY \$ LCY
F5334	J249.OTHER SOURCES INCOME
F5335	J250.OTHER SOURCES \$ 1996
F5508	J305.LUMP SUM
F5511	J308.DATE LUMP-1
F5512	J309.LUMP \$-1
F5513	J309A.>50K
F5515	J311.
F5518	J314.
F5519	J315.LUMP \$-2
F5520	J315A.>50K
F5522	J317.
F5525	J320.
F5526	J321.LUMP \$-3
F5527	J321A.>50K
HRS 2000:	
G5721	J247.ALIMONY INCOME
G5722	J248.AMT ALIMONY \$ LCY
G5728	J249.OTHER SOURCES INCOME
G5729	J250.OTHER SOURCES IN LCY
G5861	J305.ANY LUMP SUM
G5864	J308.DATE LUMP-1
G5865	J309. LUMP SUM RCV-1
G5866	J309A.>50K
G5868	J311.ANY 2ND LUMP SUM
G5871	J314.2ND LUMP SUM-YR RECIEVED
G5872	J315. LUMP SUM RCV-2
G5873	J315A.>50K
G5875	J317.ANY 3RD LUMP SUM
G5878	J320.3RD LUMP SUM-YR RECIEVED

G5879	J321. LUMP SUM RCV-3
G5880	J321A.>50K
HRS 2002:	
HQ390	ALIMONY CHILD SUPP INCOME
HQ391	ALIMONY CHILD SUPP INCOME AMOUNT - LCY
HRS 2002-2016:	
xQ395	OTHER SOURCES OF INCOME
xQ396	OTHER SOURCES OF INCOME AMOUNT - LCY
xQ483_1	R OR SP IF LUMP SUM RECEIVED -1
xQ483_2	R OR SP IF LUMP SUM RECEIVED -2
xQ483_3	R OR SP IF LUMP SUM RECEIVED -3
xQ486_1	MONTH LUMP SUM RECEIVED -1
xQ486_2	MONTH LUMP SUM RECEIVED -2
xQ486_3	MONTH LUMP SUM RECEIVED -3
xQ487_1	YEAR LUMP SUM RECEIVED -1
xQ487_2	YEAR LUMP SUM RECEIVED -2
xQ487_3	YEAR LUMP SUM RECEIVED -3
xQ488_1	LUMP SUM AMOUNT RECEIVED -1
xQ488_2	LUMP SUM AMOUNT RECEIVED -2
xQ488_3	LUMP SUM AMOUNT RECEIVED -3
xQ489_1	LUMP SUM AMT - \$50K -1
xQ489_2	LUMP SUM AMT - \$50K -2
xQ489_3	LUMP SUM AMT - \$50K -3

Total household income (Respondent & spouse)

Wave	Variable	Label	Type
1	H1ITOT	H1ITOT:W1 Incm: Total HHold / R+Sp only	Cont
2	H2ITOT	H2ITOT:W2 Incm: Total HHold / R+Sp only	Cont
3	H3ITOT	H3ITOT:W3 Incm: Total HHold / R+Sp only	Cont
4	H4ITOT	H4ITOT:W4 Incm: Total HHold / R+Sp only	Cont
5	H5ITOT	H5ITOT:W5 Incm: Total HHold / R+Sp only	Cont
6	H6ITOT	H6ITOT:W6 Incm: Total HHold / R+Sp only	Cont
7	H7ITOT	H7ITOT:W7 Incm: Total HHold / R+Sp only	Cont
8	H8ITOT	H8ITOT:W8 Incm: Total HHold / R+Sp only	Cont
9	H9ITOT	H9ITOT:W9 Incm: Total HHold / R+Sp only	Cont
10	H10ITOT	H10ITOT:W10 Incm: Total HHold / R+Sp only	Cont
11	H11ITOT	H11ITOT:W11 Incm: Total HHold / R+Sp only	Cont
12	H12ITOT	H12ITOT:W12 Incm: Total HHold / R+Sp only	Cont
13	H13ITOT	H13ITOT:W13 Incm: Total HHold / R+Sp only	Cont
2	H2ITOT2	H2ITOT2:W2 Income: Imputed Total Household	Cont
1	H1IFTOT	H1IFTOT:W1 ImpFlag: Total Household Inc	Categ
2	H2IFTOT	H2IFTOT:W2 ImpFlag: Total Household Inc	Categ
3	H3IFTOT	H3IFTOT:W3 ImpFlag: Total Household Inc	Categ
4	H4IFTOT	H4IFTOT:W4 ImpFlag: Total Household Inc	Categ
5	H5IFTOT	H5IFTOT:W5 ImpFlag: Total Household Inc	Categ
6	H6IFTOT	H6IFTOT:W6 ImpFlag: Total Household Inc	Categ
7	H7IFTOT	H7IFTOT:W7 ImpFlag: Total Household Inc	Categ
8	H8IFTOT	H8IFTOT:W8 ImpFlag: Total Household Inc	Categ
9	H9IFTOT	H9IFTOT:W9 ImpFlag: Total Household Inc	Categ
10	H10IFTOT	H10IFTOT:W10 ImpFlag: Total Household Inc	Categ
11	H11IFTOT	H11IFTOT:W11 ImpFlag: Total Household Inc	Categ
12	H12IFTOT	H12IFTOT:W12 ImpFlag: Total Household Inc	Categ
13	H13IFTOT	H13IFTOT:W13 ImpFlag: Total Household Inc	Categ
2	H2IFTOT2	H2IFTOT2:W2 ImpFlag: Imputed Total Household	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1ITOT	12652	47448.42	50333.07	0.0	1300000.0
H2ITOT	19642	53876.78	1214028.86	0.0	120128322.0
H3ITOT	17991	46222.00	69922.00	0.0	3067839.4
H4ITOT	21384	52020.04	121193.85	0.0	8017657.0
H5ITOT	19578	53402.97	102860.45	0.0	5537080.0
H6ITOT	18165	52883.51	93928.15	0.0	7395714.0
H7ITOT	20129	61142.38	106475.84	0.0	3540169.9
H8ITOT	18469	65471.39	318364.53	0.0	25360120.0
H9ITOT	17217	68602.63	472908.99	0.0	60014376.0
H10ITOT	22034	63640.44	100234.09	0.0	5438860.0
H11ITOT	20554	65542.48	103786.66	0.0	3663276.0
H12ITOT	18747	69362.75	146275.58	0.0	11204572.1
H13ITOT	20912	75193.70	162841.53	0.0	10036000.0
H2ITOT2	8222	22163.40	26347.07	0.0	700000.0
H1IFTOT	12652	1.32	0.81	0.0	9.0
H2IFTOT	19642	1.67	0.79	0.0	9.0
H3IFTOT	17991	1.73	0.77	0.0	9.0
H4IFTOT	21384	1.60	0.89	0.0	9.0
H5IFTOT	19578	1.59	0.80	0.0	9.0

H6IFTOT	18165	1.59	0.60	0.0	9.0
H7IFTOT	20129	1.54	0.68	0.0	9.0
H8IFTOT	18469	1.53	0.65	0.0	9.0
H9IFTOT	17217	1.52	0.69	0.0	9.0
H10IFTOT	22034	1.51	1.01	0.0	9.0
H11IFTOT	20554	1.45	0.83	0.0	9.0
H12IFTOT	18747	1.45	0.88	0.0	9.0
H13IFTOT	20912	1.48	1.09	0.0	9.0
H2IFTOT2	8222	1.45	0.57	0.0	9.0

Categorical Variable Codes

HwIFTOT: ImpFlag: Total Household Inc

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|	118	139	95	86	105	87	125	88	101	283
1.No imputations	|	9049	7107	5493	9735	8845	7499	9533	8819	8566	12373
2.Some imputation	|	3390	12262	12277	11357	10491	10542	10400	9506	8486	9082
9.No Fin Resp	|	95	134	126	206	137	37	71	56	64	296

Value		w11	w12	w13
0.No income	|	261	236	354
1.No imputations	|	11851	11066	12566
2.Some imputation	|	8288	7275	7656
9.No Fin Resp	|	154	170	336

HwIFTOT2: ImpFlag: Imputed Total Household

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		11420								
0.No income	|		50								
1.No imputations	|		4481								
2.Some imputation	|		3681								
9.No Fin Resp	|		10								

Value		w11	w12	w13
.Q=Not asked this wv	|			
0.No income	|			
1.No imputations	|			
2.Some imputation	|			
9.No Fin Resp	|			

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

HwITOT reflects total income for the last calendar year. HwITOT is set to the sum of Respondent and spouse earnings (RwIEARN, SwIEARN), pensions and annuities (RwIPENA, SwIPENA), SSI and Social Security Disability (RwISSDI, SwISSDI), Social Security retirement (RwISRET, SwISRET), unemployment and workers compensation (RwIUNWC, SwIUNWC), other government transfers (RwIGXFR, SwIGXFR), household capital income (HwICAP), and other income (HwIOTHR). HwIFTOT is a flag that indicates whether any components are imputed.

H2ITOT2 is derived from the Wave 2A question which asks how much total income a household received last calendar year. Missing values were imputed from unfolding bracket questions, and H2IFTOT2 flags imputed values. For HRS entry cohort Respondents, H2ITOT2 and H2IFTOT2 are set to .Q to indicate that the corresponding income information is not available in Wave 2H.

For more information about the individual variables used to calculate HwITOT, including possible differences between the HRS and AHEAD samples, please refer to the RAND HRS Detailed Imputations File Codebook, available on the HRS website <http://hrsonline.isr.umich.edu>.

It is important to note that total household income does not include income from other household members, only the Respondent and spouse.

Users should note a particularly large outlier skewing the distribution of H2ITOT:

HHID: 086148 reported receiving \$9,999,994 or more last month in veteran's benefits in HRS Wave 2. Multiplying this amount by 12 months results in \$119,999,928 annually from veteran's benefits. This high value is incorporated in S2IGXFR for the Financial Respondent and in R2IGXFR for her spouse. Consequently, it is part of the sum H2ITOT.

Cross Wave Differences in Original HRS Data

For HRS Respondents in Wave 2H, there is no question asking for total household income. Thus, the information for H2ITOT2 and H2IFTOT2 are not available for these cases in Wave 2.

IRA Withdrawals

Wave	Variable	Label	Type
2	H2IIRAWY1	H2IIRAWY1:W2 Income:IRA Withd-Total (LCY)	Cont
5	H5IIRAWY1	H5IIRAWY1:W5 Income:IRA Withd-Total (LCY)	Cont
6	H6IIRAWY1	H6IIRAWY1:W6 Income:IRA Withd-Total (LCY)	Cont
7	H7IIRAWY1	H7IIRAWY1:W7 Income:IRA Withd-Total (LCY)	Cont
8	H8IIRAWY1	H8IIRAWY1:W8 Income:IRA Withd-Total (LCY)	Cont
9	H9IIRAWY1	H9IIRAWY1:W9 Income:IRA Withd-Total (LCY)	Cont
10	H10IIRAWY1	H10IIRAWY1:W10 Income:IRA Withd-Total (LCY)	Cont
11	H11IIRAWY1	H11IIRAWY1:W11 Income:IRA Withd-Total (LCY)	Cont
12	H12IIRAWY1	H12IIRAWY1:W12 Income:IRA Withd-Total (LCY)	Cont
13	H13IIRAWY1	H13IIRAWY1:W13 Income:IRA Withd-Total (LCY)	Cont
2	R2IIRAWY1	R2IIRAWY1:W2 Income:IRA Withd-Total (LCY)	Cont
5	R5IIRAWY1	R5IIRAWY1:W5 Income:IRA Withd-Total (LCY)	Cont
6	R6IIRAWY1	R6IIRAWY1:W6 Income:IRA Withd-Total (LCY)	Cont
7	R7IIRAWY1	R7IIRAWY1:W7 Income:IRA Withd-Total (LCY)	Cont
8	R8IIRAWY1	R8IIRAWY1:W8 Income:IRA Withd-Total (LCY)	Cont
9	R9IIRAWY1	R9IIRAWY1:W9 Income:IRA Withd-Total (LCY)	Cont
10	R10IIRAWY1	R10IIRAWY1:W10 Income:IRA Withd-Total (LCY)	Cont
11	R11IIRAWY1	R11IIRAWY1:W11 Income:IRA Withd-Total (LCY)	Cont
12	R12IIRAWY1	R12IIRAWY1:W12 Income:IRA Withd-Total (LCY)	Cont
13	R13IIRAWY1	R13IIRAWY1:W13 Income:IRA Withd-Total (LCY)	Cont
2	S2IIRAWY1	S2IIRAWY1:W2 Income:IRA Withd-Total (LCY)	Cont
5	S5IIRAWY1	S5IIRAWY1:W5 Income:IRA Withd-Total (LCY)	Cont
6	S6IIRAWY1	S6IIRAWY1:W6 Income:IRA Withd-Total (LCY)	Cont
7	S7IIRAWY1	S7IIRAWY1:W7 Income:IRA Withd-Total (LCY)	Cont
8	S8IIRAWY1	S8IIRAWY1:W8 Income:IRA Withd-Total (LCY)	Cont
9	S9IIRAWY1	S9IIRAWY1:W9 Income:IRA Withd-Total (LCY)	Cont
10	S10IIRAWY1	S10IIRAWY1:W10 Income:IRA Withd-Total (LCY)	Cont
11	S11IIRAWY1	S11IIRAWY1:W11 Income:IRA Withd-Total (LCY)	Cont
12	S12IIRAWY1	S12IIRAWY1:W12 Income:IRA Withd-Total (LCY)	Cont
13	S13IIRAWY1	S13IIRAWY1:W13 Income:IRA Withd-Total (LCY)	Cont
5	H5IIRAW	H5IIRAW:W5 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
6	H6IIRAW	H6IIRAW:W6 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
7	H7IIRAW	H7IIRAW:W7 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
8	H8IIRAW	H8IIRAW:W8 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
9	H9IIRAW	H9IIRAW:W9 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
10	H10IIRAW	H10IIRAW:W10 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
11	H11IIRAW	H11IIRAW:W11 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
12	H12IIRAW	H12IIRAW:W12 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
13	H13IIRAW	H13IIRAW:W13 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
5	R5IIRAW	R5IIRAW:W5 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
6	R6IIRAW	R6IIRAW:W6 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
7	R7IIRAW	R7IIRAW:W7 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
8	R8IIRAW	R8IIRAW:W8 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
9	R9IIRAW	R9IIRAW:W9 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
10	R10IIRAW	R10IIRAW:W10 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
11	R11IIRAW	R11IIRAW:W11 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
12	R12IIRAW	R12IIRAW:W12 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
13	R13IIRAW	R13IIRAW:W13 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
5	S5IIRAW	S5IIRAW:W5 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
6	S6IIRAW	S6IIRAW:W6 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
7	S7IIRAW	S7IIRAW:W7 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
8	S8IIRAW	S8IIRAW:W8 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
9	S9IIRAW	S9IIRAW:W9 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
10	S10IIRAW	S10IIRAW:W10 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
11	S11IIRAW	S11IIRAW:W11 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
12	S12IIRAW	S12IIRAW:W12 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
13	S13IIRAW	S13IIRAW:W13 Income:IRA Withd-Total (prev 2 yrs/since last int)	Cont
2	H2IFIRAWY1	H2IFIRAWY1:W2 ImpFlag:IRA Withd-Total (LCY)	Categ
2	R2IFIRAWY1	R2IFIRAWY1:W2 ImpFlag:IRA Withd-Total (LCY)	Categ

2	S2IFIRAWY1	S2IFIRAWY1:W2 ImpFlag:IRA Withd-Total (LCY)	Categ
5	H5IFIRAW	H5IFIRAW:W5 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
6	H6IFIRAW	H6IFIRAW:W6 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
7	H7IFIRAW	H7IFIRAW:W7 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
8	H8IFIRAW	H8IFIRAW:W8 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
9	H9IFIRAW	H9IFIRAW:W9 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
10	H10IFIRAW	H10IFIRAW:W10 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
11	H11IFIRAW	H11IFIRAW:W11 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
12	H12IFIRAW	H12IFIRAW:W12 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
13	H13IFIRAW	H13IFIRAW:W13 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
5	R5IFIRAW	R5IFIRAW:W5 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
6	R6IFIRAW	R6IFIRAW:W6 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
7	R7IFIRAW	R7IFIRAW:W7 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
8	R8IFIRAW	R8IFIRAW:W8 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
9	R9IFIRAW	R9IFIRAW:W9 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
10	R10IFIRAW	R10IFIRAW:W10 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
11	R11IFIRAW	R11IFIRAW:W11 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
12	R12IFIRAW	R12IFIRAW:W12 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
13	R13IFIRAW	R13IFIRAW:W13 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
5	S5IFIRAW	S5IFIRAW:W5 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
6	S6IFIRAW	S6IFIRAW:W6 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
7	S7IFIRAW	S7IFIRAW:W7 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
8	S8IFIRAW	S8IFIRAW:W8 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
9	S9IFIRAW	S9IFIRAW:W9 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
10	S10IFIRAW	S10IFIRAW:W10 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
11	S11IFIRAW	S11IFIRAW:W11 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
12	S12IFIRAW	S12IFIRAW:W12 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ
13	S13IFIRAW	S13IFIRAW:W13 ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H2IIRAWY1	8222	307.93	1882.43	0.0	45600.0
H5IIRAWY1	19578	1619.63	14076.78	0.0	1116000.0
H6IIRAWY1	18165	1716.56	10674.24	0.0	480000.0
H7IIRAWY1	20129	2036.33	25351.66	0.0	1500000.0
H8IIRAWY1	18469	1984.97	15389.26	0.0	1200000.0
H9IIRAWY1	17217	2293.67	10142.43	0.0	270000.0
H10IIRAWY1	22034	1877.78	9915.24	0.0	483000.0
H11IIRAWY1	20554	2272.23	18418.34	0.0	1152000.0
H12IIRAWY1	18747	2346.03	9797.03	0.0	273600.0
H13IIRAWY1	20912	2124.08	10538.44	0.0	289200.0
R2IIRAWY1	8222	172.63	1345.53	0.0	45600.0
R5IIRAWY1	19578	930.30	10093.43	0.0	1116000.0
R6IIRAWY1	18165	974.58	7794.05	0.0	480000.0
R7IIRAWY1	20129	1136.66	16387.79	0.0	1428571.4
R8IIRAWY1	18469	1153.71	11044.45	0.0	1200000.0
R9IIRAWY1	17217	1360.11	7745.75	0.0	270000.0
R10IIRAWY1	22034	1113.87	7445.57	0.0	480000.0
R11IIRAWY1	20554	1339.22	13149.32	0.0	1152000.0
R12IIRAWY1	18747	1446.02	7694.11	0.0	273600.0
R13IIRAWY1	20912	1334.39	8082.54	0.0	289200.0
S2IIRAWY1	4549	244.55	1687.92	0.0	45600.0
S5IIRAWY1	13041	1034.86	11835.58	0.0	1116000.0
S6IIRAWY1	11859	1136.53	8848.87	0.0	480000.0

S7IIRAWY1	13352	1356.31	19790.89	0.0	1428571.4
S8IIRAWY1	12052	1273.86	13122.45	0.0	1200000.0
S9IIRAWY1	11012	1459.59	7914.23	0.0	250000.0
S10IIRAWY1	14235	1182.44	7879.78	0.0	480000.0
S11IIRAWY1	13080	1466.13	15803.77	0.0	1152000.0
S12IIRAWY1	11622	1451.77	7059.69	0.0	200000.0
S13IIRAWY1	12888	1281.35	7446.21	0.0	212000.0
H5IIRAW	19578	3103.01	25456.94	0.0	1860000.0
H6IIRAW	18165	3753.53	23647.45	0.0	1080000.0
H7IIRAW	20129	3928.82	46311.98	0.0	2503125.0
H8IIRAW	18469	3885.84	28992.76	0.0	2200000.0
H9IIRAW	17217	4554.12	20133.02	0.0	522500.0
H10IIRAW	22034	4372.40	22271.38	0.0	805000.0
H11IIRAW	20554	4100.23	33941.50	0.0	2208000.0
H12IIRAW	18747	4367.44	18168.95	0.0	476666.7
H13IIRAW	20912	4723.28	23886.07	0.0	750000.0
R5IIRAW	19578	1790.06	18341.58	0.0	1860000.0
R6IIRAW	18165	2135.07	17146.62	0.0	1080000.0
R7IIRAW	20129	2193.88	30463.50	0.0	2503125.0
R8IIRAW	18469	2263.81	20851.21	0.0	2200000.0
R9IIRAW	17217	2717.47	15329.64	0.0	522500.0
R10IIRAW	22034	2619.70	16820.63	0.0	800000.0
R11IIRAW	20554	2413.71	24280.19	0.0	2208000.0
R12IIRAW	18747	2699.03	14317.62	0.0	476666.7
R13IIRAW	20912	2966.42	18184.90	0.0	718486.6
S5IIRAW	13041	1971.08	21271.40	0.0	1860000.0
S6IIRAW	11859	2479.06	19567.70	0.0	1080000.0
S7IIRAW	13352	2615.53	36718.96	0.0	2503125.0
S8IIRAW	12052	2485.67	24619.46	0.0	2200000.0
S9IIRAW	11012	2871.55	15788.60	0.0	522500.0
S10IIRAW	14235	2712.96	17514.66	0.0	800000.0
S11IIRAW	13080	2650.22	28984.02	0.0	2208000.0
S12IIRAW	11622	2691.24	12951.44	0.0	333333.3
S13IIRAW	12888	2850.66	16932.22	0.0	500000.0
H2IFIRAWY1	8222	0.18	0.57	0.0	9.0
R2IFIRAWY1	8222	0.13	0.53	0.0	9.0
S2IFIRAWY1	8222	3.67	3.91	0.0	9.0
H5IFIRAW	19578	0.31	0.90	0.0	9.0
H6IFIRAW	18165	0.31	0.74	0.0	9.0
H7IFIRAW	20129	0.32	0.83	0.0	9.0
H8IFIRAW	18469	0.33	0.79	0.0	9.0
H9IFIRAW	17217	0.37	0.85	0.0	9.0
H10IFIRAW	22034	0.44	1.30	0.0	9.0
H11IFIRAW	20554	0.35	0.98	0.0	9.0
H12IFIRAW	18747	0.39	1.07	0.0	9.0
H13IFIRAW	20912	0.42	1.29	0.0	9.0
R5IFIRAW	19578	0.26	0.88	0.0	9.0
R6IFIRAW	18165	0.26	0.72	0.0	9.0
R7IFIRAW	20129	0.27	0.81	0.0	9.0
R8IFIRAW	18469	0.28	0.77	0.0	9.0
R9IFIRAW	17217	0.31	0.82	0.0	9.0

R10IFIRAW	22034	0.40	1.29	0.0	9.0
R11IFIRAW	20554	0.30	0.97	0.0	9.0
R12IFIRAW	18747	0.35	1.06	0.0	9.0
R13IFIRAW	20912	0.38	1.29	0.0	9.0
S5IFIRAW	19578	2.86	3.71	0.0	9.0
S6IFIRAW	18165	2.96	3.72	0.0	9.0
S7IFIRAW	20129	2.89	3.71	0.0	9.0
S8IFIRAW	18469	2.98	3.72	0.0	9.0
S9IFIRAW	17217	3.10	3.75	0.0	9.0
S10IFIRAW	22034	3.12	3.79	0.0	9.0
S11IFIRAW	20554	3.13	3.78	0.0	9.0
S12IFIRAW	18747	3.28	3.81	0.0	9.0
S13IFIRAW	20912	3.35	3.85	0.0	9.0

Categorical Variable Codes

HwIFIRAWY1: ImpFlag:IRA Withd-Total (LCY)										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		11420								
0.No income		7201								
1.No imputations		638								
2.Some imputation		373								
9.No Fin Resp		10								
Value	w11	w12	w13							
.Q=Not asked this wv										
0.No income										
1.No imputations										
2.Some imputation										
9.No Fin Resp										

RwIFIRAWY1: ImpFlag:IRA Withd-Total (LCY)

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		11420								
0.No income	|		7496								
1.No imputations	|		419								
2.Some imputation	|		297								
9.No Fin Resp	|		10								

Value		w11	w12	w13
.Q=Not asked this wv	|			
0.No income	|			
1.No imputations	|			
2.Some imputation	|			
9.No Fin Resp	|			

SwIFIRAWY1: ImpFlag:IRA Withd-Total (LCY)

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv	|		9125								
.U=Unmarried	|		2295								
0.No income	|		4024								
1.No imputations	|		310								
2.Some imputation	|		211								
8.No Sp/Part->no incm	|		3673								
9.No Fin Resp	|		4								

Value		w11	w12	w13
.Q=Not asked this wv	|			
.U=Unmarried	|			
0.No income	|			
1.No imputations	|			
2.Some imputation	|			
8.No Sp/Part->no incm	|			
9.No Fin Resp	|			

HwIFIRAW: ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|					15804	14476	15968	14331	13008	17115
1.No imputations	|					2314	2151	2492	2560	2637	2830
2.Some imputation	|					1336	1493	1582	1516	1498	1692
9.No Fin resp	|					124	45	87	62	74	397

Value		w11	w12	w13
0.No income	|	16237	14428	16608
1.No imputations	|	2683	2622	2481
2.Some imputation	|	1465	1501	1448
9.No Fin resp	|	169	196	375

RwIFIRAW: ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|					16600	15230	16831	15168	13839	17997
1.No imputations	|					1651	1544	1787	1859	1952	2099
2.Some imputation	|					1203	1346	1424	1380	1352	1541
9.No Fin resp	|					124	45	87	62	74	397

Value		w11	w12	w13
0.No income	|	17031	15187	17270
1.No imputations	|	2000	1982	1913
2.Some imputation	|	1354	1382	1354
9.No Fin resp	|	169	196	375

SwIFIRAW: ImpFlag:IRA Withd-Total (prev 2 yrs/since last int)

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No income	|					10872	9757	10990	9763	8709	11494
1.No imputations	|					1184	1071	1256	1251	1309	1378
2.Some imputation	|					895	995	1031	989	933	1056
8.No Sp/part->no incm	|					6537	6306	6777	6417	6205	7799
9.No Fin resp	|					90	36	75	49	61	307

Value		w11	w12	w13
0.No income	|	10702	9278	10505
1.No imputations	|	1299	1262	1172
2.Some imputation	|	936	924	896
8.No Sp/part->no incm	|	7474	7125	8024
9.No Fin resp	|	143	158	315

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components

and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

Withdrawals from traditional IRAs or Keogh accounts are treated as income for taxation purposes. However, from an economic viewpoint, they would be considered dissaving rather than income. Therefore, we do not include them in our measure of total household income (HwITOT). Withdrawals from Roth IRAs are not taxable. The HRS survey instrument does not distinguish between traditional IRAs, Keogh accounts, and Roth IRAs. Because the former have been more common historically, we assume all withdrawals are from regular IRAs or Keogh accounts whenever the distinction matters. Even though Roth IRA ownership has increased over time, traditional IRA ownership among older households was twice that of Roth IRA ownership in 2016 (32% vs 14%).³²

From Wave 5 forward, the HRS survey elicits up to three withdrawal amounts for each household, plus a fourth withdrawal amount that represents any accounts that have been cashed in. These are imputed separately, taking into account the reported frequency of withdrawals where necessary. In the case of couples, we then assign each withdrawal amount to the Respondent or the spouse. To do so, we use information about ownership of the IRA (Respondent, spouse, or both). If an IRA is owned by the Respondent, then the IRA withdrawal is assigned to the Respondent. If an IRA is owned by the spouse, then the IRA withdrawal is assigned to the spouse. IRAs are owned by individuals, so joint ownership is not possible. However, the third IRA question, and the question asking about any accounts that have been cashed in, may refer to more than one IRA account (all other IRA accounts the household owns). In that case joint ownership as measured in the HRS is possible and we divided the withdrawal amount equally between both spouses. If the information on IRA ownership is missing, then it is assumed that the IRA belongs to the Financial Respondent, as this is the modal response observed in the data. Tax laws that govern IRA withdrawals strongly influence the patterns observed in the data. For example, there are very few withdrawals prior to the age of 59 ½ because withdrawals before that age incur a tax penalty. Similarly, many households do not make withdrawals until after they turn 70 ½ when a schedule of required minimum distributions (RMD) applies. Therefore, if the withdrawn IRA amount is missing, but the Respondent indicated making an RMD, the missing value is replaced with the calculated RMD.

When a Respondent does not provide a continuous amount for withdrawal from one or more IRA accounts (including cashed-in accounts), we impute those withdrawals. This is done separately by account. However, if in addition to not providing a complete set of continuous amounts, the Respondent indicates having taken the RMD, we estimate the RMD for the Respondent and impute a total withdrawal amount that is equal to the RMD if this is consistent with the Respondent's (other) answers, or the nearest amount that is consistent with the Respondent's other answers if the RMD is inconsistent with those. We then allocate the total withdrawal amount to the withdrawals from all owned accounts. We do this in such a way that the allocated amounts are always consistent with what the Respondent reported about the withdrawals from the separate accounts.

For Wave 5 forward, HwIIRAW represents the total IRA withdrawal amount from all owned accounts since the last interview or in the last two years. RwiIIRAW and SwiIIRAW represent these same totals for the Respondent and spouse, respectively. HwIFIRAW, RwiIFIRAW, and SwiIFIRAW are flags that indicate whether any components are imputed, and if so, how much information is available for imputation.

To facilitate analyses that gauge the importance of IRA withdrawals compared to other economic resources, like income, which is measured for the last calendar year, we include HwIIRAWY1, RwiIIRAWY1, and SwiIIRAWY1 for Wave 5 forward, which prorate amounts reported in the survey instrument "since last interview" to reflect a 12-month period.

For further details about how the IRA withdrawal variables were derived for Wave 5 forward, see Hurd, Meijer, Pantoja, and Rohwedder (2018).³³

In Wave 2A, the survey contains a series of questions for both the Respondent and spouse that ask about "regular income payments," of which "IRA distributions" is one of several response options. While it is possible to report as many as four IRA distributions, only two

³²ICI Research Perspective, January 2017, Vol. 23, No. 1A, <https://www.ici.org/pdf/per23-10a.pdf>

³³Hurd, M. D., Meijer, E., Pantoja, P., and Rohwedder, S. (2018). Addition to the RAND HRS Longitudinal Files: IRA Withdrawals in the HRS, 2000 to 2014. Working Paper No. 2018-388. Ann Arbor, MI: Michigan Retirement Research Center. <http://doi.org/10.2139/ssrn.3337842>

are actually present in the data for both the Respondent and spouse. These are imputed separately, just as we do for the other regular income payments asked about in this question sequence. R2IIRAWY1 and S2IIRAWY1 represent the total IRA distribution amount from all owned accounts in the last calendar year. R2IFIRAWY1 and S2IFIRAWY1 are flags that indicate whether any components are imputed, and if so, how much information is available for imputation. For the convenience of the analyst, we also provide the household-level variables H2IIRAWY1 and H2IFIRAWY1, which combine the information in the corresponding Respondent and spouse variables.

Cross Wave Differences in Original HRS Data

From Wave 5 forward, the HRS survey elicits information on whether households own any individual retirement accounts and asks related follow-up questions in the Assets and Income section of the survey. In married or partnered households the Financial Respondent answers all questions in this section on behalf of both the Respondent and the spouse. The IRA questions follow the same basic structure:

a) "Do you (or your husband/wife/partner) currently have any money or assets that are held in an Individual Retirement Account, that is, in an IRA or KEOGH account?"

b) "How many IRA or KEOGH accounts do you (and your husband/wife/partner) have?"

The following sequence is then asked up to three times, depending on how many IRA or Keogh accounts were reported. Respondents are first asked about the largest, followed by the next largest, and the third or – if the household owns more than three – all other IRA or Keogh accounts, if applicable.

c) "Are these / Is that yours or your [husband's/wife's/partner's]?"

d) "About how much (in total) is in this (these [other] IRA or KEOGH) account(s) at the present time?"

If the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. Later, Respondents are asked about IRA withdrawals:

a) "Have you (or your [husband/wife/partner]) withdrawn any money or received any payments from [this account/these accounts] [since R's last interview / in the last two years]?"

b) "Altogether, about how much money did you (or your [husband/wife/partner]) withdraw from [this account/these accounts] [since R's last interview / in the last two years], (before taxes and other deductions)?"

Again, if the Respondent refuses or does not know the value, a series of unfolding bracket questions are asked. Those who provide a continuous value are asked about the frequency of receipt, with the following recorded response options:

1. IN TOTAL
3. MONTH
4. QUARTER
5. 6 MONTH
6. YEAR
7. OTHER (SPECIFY)
8. DK (Dont Know); NA (Not Ascertained)
9. RF (Refused)

For those who answer the unfolding bracket questions, the frequency of receipt question is not asked, and the bracket questions refer to the total period (since last interview or last two years).

Finally, Respondents are asked the following question:

c) "Did you (or your [husband/wife/partner]) take out only the "minimum withdrawal option," that is, the amount required to avoid a tax penalty?"

Respondents are then asked a separate set of questions about any IRA or Keogh accounts that have been cashed in or annuitized. First, they are asked:

a) "Did you (or your [husband/wife/partner]) cash in or convert any (other) IRA or KEOGH accounts to annuities at any time [since FINANCIAL R's LAST IW MONTH, YEAR/in the last two years]?"

Those who say "yes" are asked:

b) "Was that your IRA or KEOGH or your [husband's/wife's/partner's]?"

c) "Did you (or your [husband/wife/partner]) cash in these accounts, convert them to annuities, or what?"

Respondents who report cashing in any accounts are asked how much was withdrawn. If they refuse or do not know the value, a series of unfolding bracket questions are asked, except in Wave 5, where no such questions are present.

The information elicited in the survey allows computing for each household the total IRA withdrawal amount taken out since the last interview, or in the last two years.

In Wave 2A, Financial Respondents are asked the following questions about their own income and then are asked about their spouse's income:

a) "Do you receive any (other) regular income payments; for example, from retirement pensions, Veterans Benefits, annuities, payments from an IRA account, or anything like that?"

b) "Please think about the largest (other) regular income you receive. What type of income is that?"

[IWER: PROBE WITH CATEGORIES ONLY IF R NEEDS HELP]

1. VETERANS BENEFITS
2. RETIREMENT OR OTHER PENSIONS
3. ANNUITY
4. IRA DISTRIBUTION
5. STOCKS AND BONDS
7. OTHER
8. DK
9. RF

This set of questions is repeated twice so that Respondents can report up to 3 current other regular incomes. Then they are asked:

a) "Did you receive any other regular income in [last calendar year] that you no longer receive?"

b) "What type of income was that?"

(Same categories as above)

So there are a total of 4 other regular incomes that can be reported. Categories may be specified more than once, and there are up to 3 different instances of an income like pensions or stocks. Besides pensions and annuities, other waves allow only one reported amount for most income categories, so that a Respondent would give a total of all dividend income received.

If income is received, subsequent questions serve to identify the date of receipt (was income received in last calendar year?) and amount received. There are no unfolding brackets for income in Wave 2A.

HRS Variables Used

AHEAD 1993:

B1456	J19. R REG INC: RECEIVE ANY
B1457	J20-1. R REG INC: TYPE-1
B1458	J21-1. R REG INC: PAID PER MONTH-1
B1459	J21b-1. R REG INC: \$ PERIOD-1
B1460	J21c-1. R REG INC: \$ LAST PERIOD-1
B1462	J21e-1. R REG INC: START >2YRS AGO-1
B1463	J21f-1. R REG INC: START MONTH-1
B1464	J21g-1. R REG INC: START YEAR-1
B1473	J26-1. R REG INC: ANY OTHER-1
B1475	J20-2. R REG INC: TYPE-2
B1476	J21-2. R REG INC: PAID PER MONTH-2
B1477	J21b-2. R REG INC: \$ PERIOD-2
B1478	J21c-2. R REG INC: \$ LAST PERIOD-2
B1480	J21e-2. R REG INC: START >2YRS AGO-2
B1481	J21f-2. R REG INC: START MONTH-2
B1482	J21g-2. R REG INC: START YEAR-2
B1491	J26-2. R REG INC: ANY OTHER-2
B1492	J20-3. R REG INC: TYPE-3
B1493	J21-3. R REG INC: PAID PER MONTH-3
B1494	J21b-3. R REG INC: \$ PERIOD-3
B1495	J21c-3. R REG INC: \$ LAST PERIOD-3
B1497	J21e-3. R REG INC: START >2YRS AGO-3
B1498	J21f-3. R REG INC: START MONTH-3
B1499	J21g-3. R REG INC: START YEAR-3
B1508	J27. R REG INC: ANY END 1992/3
B1509	J27a. R REG INC END1992/3: TYPE
B1510	J28. R REG INC END 1992/3: PAID PER MO
B1511	J28a. R REG INC END 1992/3: \$ PERIOD
B1512	J28b. R REG INC END1992/3: \$ LAST PERIOD
B1513	J28c. R REG INC END92/3: LAST MO RECD
B1514	J28d. R REG INC END92/3: LAST YR RECD
B1515	J29. SP REG INC: RECEIVE ANY
B1517	J30-1. SP REG INC: TYPE-1
B1518	J31-1. SP REG INC: PAID PER MONTH-1
B1519	J31b-1. SP REG INC: \$ PERIOD-1
B1520	J31c-1. SP REG INC: \$ LAST PERIOD-1
B1522	J31e-1. SP REG INC: START >2YRS AGO-1
B1523	J31f-1. SP REG INC: START MONTH-1
B1524	J31g-1. SP REG INC: START YEAR-1
B1533	J36-1. SP REG INC: ANY OTHER-1
B1539	J30-2. SP REG INC: TYPE-2
B1540	J31-2. SP REG INC: PAID PER MONTH-2
B1541	J31b-2. SP REG INC: \$ PERIOD-2
B1542	J31c-2. SP REG INC: \$ LAST PERIOD-2
B1544	J31e-2. SP REG INC: START >2YRS AGO-2
B1545	J31f-2. SP REG INC: START MONTH-2
B1546	J31g-2. SP REG INC: START YEAR-2
B1555	J36-2. SP REG INC: ANY OTHER-2
B1560	J30-3. SP REG INC: TYPE-3
B1561	J31-3. SP REG INC: PAID PER MONTH-3
B1562	J31b-3. SP REG INC: \$ PERIOD-3
B1563	J31c-3. SP REG INC: \$ LAST PERIOD-3
B1565	J31e-3. SP REG INC: START >2YRS AGO-3
B1566	J31f-3. SP REG INC: START MONTH-3
B1567	J31g-3. SP REG INC: START YEAR-3
B1576	J37. SP REG INC: ANY END 92/93
B1577	J37a. SP REG INC END 92/93: TYPE

B1578	J37b. SP REG INC END 92/93: LAST MO RECD
B1579	J37b. SP REG INC END 92/93: LAST YR RECD
B1580	J37c. SP REG INC END 92/93: PAID PER MO
B1581	J37d. SP REG INC END 92/93: \$ PERIOD
B1582	J37e. SP REG INC END 92/93: \$ LST PERIOD
HRS 2000:	
G5329	J90.IRA
G5332	J93.TOTAL \$ IRA ACCOUNT
G5334	J93A.IRA DK-\$10K
G5335	J93Y1A.IRA DK-\$25K
G5336	J93B.IRA DK-\$100K
G5338	J93C.IRA DK-\$400K
G5339	J93Y2A.IRA DK-\$25K
G5340	J93D.IRA DK-\$10K
G5342	J94.IRA NO REG INC-WITHDRAW-1
G5343	J95.LRG IRA NO REG WTHDRW AMT
G5344	J95P.IRA WITHDRAW PER
G5346	J95A.IRA WITHDRAW DK-\$5K
G5347	J95B.IRA WITHDRAW DK-\$10K
G5348	J95C.IRA WITHDRAW DK-\$25K
G5349	J95D.IRA WITHDRAW DK-\$2500
G5350	J96.IRA WHY WITHDRAW-1
G5353	J99.INTRO IRA ACCOUNT-2
G5354	J100.TOTAL \$ IRA ACCOUNT-2
G5355	J100A.IRA DK-\$10K
G5356	J100Y1A.IRA DK-\$25K
G5357	J100B.IRA DK-\$100K
G5359	J100C.IRA DK-\$400K
G5360	J100Y2A.IRA DK-\$25K
G5361	J100D.IRA DK-\$10K
G5363	J101.IRA NO REG INC-WITHDRAW-2
G5364	J102.IRA NO REG WTHDRW AMT-2
G5365	J102P.IRA WITHDRAW PER-2
G5367	J102A.IRA WITHDRAW DK-\$5K
G5368	J102B.IRA WITHDRAW DK-\$10K
G5369	J102C.IRA WITHDRAW DK-\$25K
G5370	J102D.IRA WITHDRAW DK-\$2500
G5371	J103.IRA WHY WITHDRAW-2
G5374	J106.INTRO IRA-3
G5375	J107.TOTAL \$ IRA ACCOUNT-3
G5376	J107A.IRA DK-\$10K
G5377	J107Y1A.IRA DK-\$25K
G5378	J107B.IRA DK-\$100K
G5379	J107C.IRA DK-\$400K
G5380	J107Y2A.IRA DK-\$25K
G5381	J107D.IRA DK-\$10K
G5382	J108.IRA NO REG INC-WITHDRAW-3
G5383	J109.IRA NO REG WTHDRW AMT-3
G5384	J109P.IRA WITHDRAW PER-3
G5386	J109B.IRA WITHDRAW DK-\$5K
G5387	J109C.IRA WITHDRAW DK-\$10K
G5388	J109D.IRA WITHDRAW DK-\$25K
G5389	J109E.IRA WITHDRAW DK-\$2500
G5390	J109F.IRA WHY WITHDRAW-3
G5393	J110.IRA OTHER ANNUITIZED
G5394	J111.IRA WHO RECD
G5395M1	J112.IRA WITHDRAW
G5395M2	J112.IRA WITHDRAW
G5411	J124.AMT WITHDRAW

HRS 2004:

JU001_1	ASSET RECONCILIATION STEM QUESTION - 1
JU001_2	ASSET RECONCILIATION STEM QUESTION -2
JU001_3	ASSET RECONCILIATION STEM QUESTION -3
JU002_1	ASSET RECONCILIATION WHICH WRONG -1
JU002_2	ASSET RECONCILIATION WHICH WRONG -2
JU002_3	ASSET RECONCILIATION WHICH WRONG - 3
JU003A_1	PREV WAVE ASSET RECONCILIATION HOW MUCH -1
JU003A_2	PREV WAVE ASSET RECONCILIATION HOW MUCH -2
JU003A_3	PREV WAVE ASSET RECONCILIATION HOW MUCH -3
JU003B_1	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -1
JU003B_2	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -2
JU003B_3	CURRENT WAVE ASSET RECONCILIATION HOW MUCH -3
JU004A_1	PREV WAVE ASSET RECONCILIATION - MIN -1
JU004A_2	PREV WAVE ASSET RECONCILIATION - MIN -2
JU004A_3	PREV WAVE ASSET RECONCILIATION - MIN -3
JU004B_1	CURRENT WAVE ASSET RECONCILIATION - MIN -1
JU004B_2	CURRENT WAVE ASSET RECONCILIATION - MIN -2
JU004B_3	CURRENT WAVE ASSET RECONCILIATION - MIN -3
JU005A_1	PREV WAVE ASSET RECONCILIATION - MAX -1
JU005A_2	PREV WAVE ASSET RECONCILIATION - MAX -2
JU005A_3	PREV WAVE ASSET RECONCILIATION - MAX -3
JU005B_1	CURRENT WAVE ASSET RECONCILIATION - MAX -1
JU005B_2	CURRENT WAVE ASSET RECONCILIATION - MAX -2
JU005B_3	CURRENT WAVE ASSET RECONCILIATION - MAX -3
JU006A_1	PREV WAVE ASSET RECONCILIATION - RESULT -1
JU006A_2	PREV WAVE ASSET RECONCILIATION - RESULT -2
JU006A_3	PREV WAVE ASSET RECONCILIATION - RESULT -3
JU006B_1	CURRENT WAVE ASSET RECONCILIATION - RESULT -1
JU006B_2	CURRENT WAVE ASSET RECONCILIATION - RESULT -2
JU006B_3	CURRENT WAVE ASSET RECONCILIATION - RESULT -3
JU009_1	TYPE OF ASSETS - 1
JU009_2	TYPE OF ASSETS -2
JU009_3	TYPE OF ASSETS -3
JU022A_1	PREV WAVE VALUE YEAR-1
JU022A_2	PREV WAVE VALUE YEAR-2
JU022A_3	PREV WAVE VALUE YEAR-3

HRS 2002-2016:

xQ162	IRA OR KEOGH
xQ165_1	WHO HAS IRA ACCOUNTS -1
xQ165_2	WHO HAS IRA ACCOUNTS -2
xQ165_3	WHO HAS IRA ACCOUNTS -3
xQ166_1	AMOUNT IN IRA ACCOUNT -1
xQ166_2	AMOUNT IN IRA ACCOUNT -2
xQ166_3	AMOUNT IN IRA ACCOUNT -3
xQ167_1	AMT IN IRA ACCOUNT - MIN -1
xQ167_2	AMT IN IRA ACCOUNT - MIN -2
xQ167_3	AMT IN IRA ACCOUNT - MIN -3
xQ168_1	AMT IN IRA ACCOUNT - MAX -1
xQ168_2	AMT IN IRA ACCOUNT - MAX -2
xQ168_3	AMT IN IRA ACCOUNT - MAX -3
xQ169_1	AMT IN IRA ACCOUNT - RESULT -1
xQ169_2	AMT IN IRA ACCOUNT - RESULT -2
xQ169_3	AMT IN IRA ACCOUNT - RESULT -3
xQ170_1	WITHDRAWN ANY MONEY FROM IRA -1
xQ170_2	WITHDRAWN ANY MONEY FROM IRA -2
xQ170_3	WITHDRAWN ANY MONEY FROM IRA -3
xQ171_1	AMOUNT WITHDRAWN FROM IRA ACCOUNT -1
xQ171_2	AMOUNT WITHDRAWN FROM IRA ACCOUNT -2

xQ171_3	AMOUNT WITHDRAWN FROM IRA ACCOUNT -3
xQ172_1	AMT WITHDR FR IRA ACCOUNT - MIN -1
xQ172_2	AMT WITHDR FR IRA ACCOUNT - MIN -2
xQ172_3	AMT WITHDR FR IRA ACCOUNT - MIN -3
xQ173_1	AMT WITHDR FR IRA ACCOUNT - MAX -1
xQ173_2	AMT WITHDR FR IRA ACCOUNT - MAX -2
xQ173_3	AMT WITHDR FR IRA ACCOUNT - MAX -3
xQ174_1	AMT WITHDR FR IRA ACCOUNT - RESULT -1
xQ174_2	AMT WITHDR FR IRA ACCOUNT - RESULT -2
xQ174_3	AMT WITHDR FR IRA ACCOUNT - RESULT -3
xQ175_1	AMT WITHDR FR IRA ACCOUNTS-PER -1
xQ175_2	AMT WITHDR FR IRA ACCOUNTS-PER -2
xQ175_3	AMT WITHDR FR IRA ACCOUNTS-PER -3
xQ177_1	IRA MONEY MINIMUM WITHDRAWAL -1
xQ177_2	IRA MONEY MINIMUM WITHDRAWAL -2
xQ177_3	IRA MONEY MINIMUM WITHDRAWAL -3
xQ182	OTHER IRA ANNUITIES
xQ183	WHO HAS OTHER IRA ANNUITIES
xQ184M1	HOW IRA ANNUITIZED -M1
xQ184M2	HOW IRA ANNUITIZED -M2
xQ184M3	HOW IRA ANNUITIZED -M3
xQ204	AMT WITHDRAWN FROM OTHER IRA
xQ205	AMT WITHDRAWN FROM OTHER IRA - MIN
xQ206	AMT WITHDRAWN FROM OTHER IRA - MAX
xQ207	AMT WITHDRAWN FROM OTHER IRA - RESULT
HRS 2006-2016:	
xU001_9	ASSET RECONCILIATION-IRA
xU002_9	ASSET RECONCILIATION WHICH WRONG-IRA
xU003_9A	ASSET RECONCILIATION HOW MUCH -A-IRA
xU003_9B	ASSET RECONCILIATION HOW MUCH-B-IRA
xU004_9A	ASSET RECONCILIATION -MIN-A-IRA
xU004_9B	ASSET RECONCILIATION -MIN-B-IRA
xU005_9A	ASSET RECONCILIATION -MAX-A -IRA
xU005_9B	ASSET RECONCILIATION -MAX-B -IRA
xU006_9A	ASSET RECONCILIATION - RESULT-A-IRA
xU006_9B	ASSET RECONCILIATION - RESULT-B-IRA
xU022_9A	WHICH WAVE VALUE WAS WRONG-A-IRA
xU022_9B	WHICH WAVE VALUE WAS WRONG-B-IRA

Poverty Threshold

Wave	Variable	Label	Type
6	H6INPOV	H6INPOV:W6 Whether in Poverty-no inst	Categ
7	H7INPOV	H7INPOV:W7 Whether in Poverty-no inst	Categ
8	H8INPOV	H8INPOV:W8 Whether in Poverty-no inst	Categ
9	H9INPOV	H9INPOV:W9 Whether in Poverty-no inst	Categ
10	H10INPOV	H10INPOV:W10 Whether in Poverty-no inst	Categ
11	H11INPOV	H11INPOV:W11 Whether in Poverty-no inst	Categ
12	H12INPOV	H12INPOV:W12 Whether in Poverty-no inst	Categ
13	H13INPOV	H13INPOV:W13 Whether in Poverty-no inst	Categ
9	H9INPOVD	H9INPOVD:W9 Whether in Poverty-no inst (part d)	Categ
10	H10INPOVD	H10INPOVD:W10 Whether in Poverty-no inst (part d)	Categ
6	H6INPOVR	H6INPOVR:W6 Ratio HH Inc:PovThr-no inst	Cont
7	H7INPOVR	H7INPOVR:W7 Ratio HH Inc:PovThr-no inst	Cont
8	H8INPOVR	H8INPOVR:W8 Ratio HH Inc:PovThr-no inst	Cont
9	H9INPOVR	H9INPOVR:W9 Ratio HH Inc:PovThr-no inst	Cont
10	H10INPOVR	H10INPOVR:W10 Ratio HH Inc:PovThr-no inst	Cont
11	H11INPOVR	H11INPOVR:W11 Ratio HH Inc:PovThr-no inst	Cont
12	H12INPOVR	H12INPOVR:W12 Ratio HH Inc:PovThr-no inst	Cont
13	H13INPOVR	H13INPOVR:W13 Ratio HH Inc:PovThr-no inst	Cont
9	H9INPOVRD	H9INPOVRD:W9 Ratio HH Inc:PovThr-no inst (part d)	Cont
10	H10INPOVRD	H10INPOVRD:W10 Ratio HH Inc:PovThr-no inst (part d)	Cont
6	H6POVFAM	H6POVFAM:W6 FamType for PovThresh-no inst	Categ
7	H7POVFAM	H7POVFAM:W7 FamType for PovThresh-no inst	Categ
8	H8POVFAM	H8POVFAM:W8 FamType for PovThresh-no inst	Categ
9	H9POVFAM	H9POVFAM:W9 FamType for PovThresh-no inst	Categ
10	H10POVFAM	H10POVFAM:W10 FamType for PovThresh-no inst	Categ
11	H11POVFAM	H11POVFAM:W11 FamType for PovThresh-no inst	Categ
12	H12POVFAM	H12POVFAM:W12 FamType for PovThresh-no inst	Categ
13	H13POVFAM	H13POVFAM:W13 FamType for PovThresh-no inst	Categ
6	H6POVHHI	H6POVHHI:W6 HH Inc to chk Poverty-no inst	Cont
7	H7POVHHI	H7POVHHI:W7 HH Inc to chk Poverty-no inst	Cont
8	H8POVHHI	H8POVHHI:W8 HH Inc to chk Poverty-no inst	Cont
9	H9POVHHI	H9POVHHI:W9 HH Inc to chk Poverty-no inst	Cont
10	H10POVHHI	H10POVHHI:W10 HH Inc to chk Poverty-no inst	Cont
11	H11POVHHI	H11POVHHI:W11 HH Inc to chk Poverty-no inst	Cont
12	H12POVHHI	H12POVHHI:W12 HH Inc to chk Poverty-no inst	Cont
13	H13POVHHI	H13POVHHI:W13 HH Inc to chk Poverty-no inst	Cont
9	H9POVHHID	H9POVHHID:W9 HH Inc to chk Poverty-no inst (part d)	Cont
10	H10POVHHID	H10POVHHID:W10 HH Inc to chk Poverty-no inst (part d)	Cont
6	H6POVTHR	H6POVTHR:W6 Poverty Threshold-no inst	Cont
7	H7POVTHR	H7POVTHR:W7 Poverty Threshold-no inst	Cont
8	H8POVTHR	H8POVTHR:W8 Poverty Threshold-no inst	Cont
9	H9POVTHR	H9POVTHR:W9 Poverty Threshold-no inst	Cont
10	H10POVTHR	H10POVTHR:W10 Poverty Threshold-no inst	Cont
11	H11POVTHR	H11POVTHR:W11 Poverty Threshold-no inst	Cont
12	H12POVTHR	H12POVTHR:W12 Poverty Threshold-no inst	Cont
13	H13POVTHR	H13POVTHR:W13 Poverty Threshold-no inst	Cont
6	H6INPOVA	H6INPOVA:W6 Whether in Poverty-w/inst	Categ
7	H7INPOVA	H7INPOVA:W7 Whether in Poverty-w/inst	Categ
8	H8INPOVA	H8INPOVA:W8 Whether in Poverty-w/inst	Categ
9	H9INPOVA	H9INPOVA:W9 Whether in Poverty-w/inst	Categ
10	H10INPOVA	H10INPOVA:W10 Whether in Poverty-w/inst	Categ
11	H11INPOVA	H11INPOVA:W11 Whether in Poverty-w/inst	Categ
12	H12INPOVA	H12INPOVA:W12 Whether in Poverty-w/inst	Categ
13	H13INPOVA	H13INPOVA:W13 Whether in Poverty-w/inst	Categ
9	H9INPOVAD	H9INPOVAD:W9 Whether in Poverty-w/inst (part d)	Categ
10	H10INPOVAD	H10INPOVAD:W10 Whether in Poverty-w/inst (part d)	Categ

6	H6INPVRA	H6INPVRA:W6 Ratio HH Inc:PovThr-w/inst	Cont
7	H7INPVRA	H7INPVRA:W7 Ratio HH Inc:PovThr-w/inst	Cont
8	H8INPVRA	H8INPVRA:W8 Ratio HH Inc:PovThr-w/inst	Cont
9	H9INPVRA	H9INPVRA:W9 Ratio HH Inc:PovThr-w/inst	Cont
10	H10INPVRA	H10INPVRA:W10 Ratio HH Inc:PovThr-w/inst	Cont
11	H11INPVRA	H11INPVRA:W11 Ratio HH Inc:PovThr-w/inst	Cont
12	H12INPVRA	H12INPVRA:W12 Ratio HH Inc:PovThr-w/inst	Cont
13	H13INPVRA	H13INPVRA:W13 Ratio HH Inc:PovThr-w/inst	Cont
9	H9INPVRAD	H9INPVRAD:W9 Ratio HH Inc:PovThr-w/inst (part d)	Cont
10	H10INPVRAD	H10INPVRAD:W10 Ratio HH Inc:PovThr-w/inst (part d)	Cont
6	H6PVFAMA	H6PVFAMA:W6 FamType for PovThresh-w/inst	Categ
7	H7PVFAMA	H7PVFAMA:W7 FamType for PovThresh-w/inst	Categ
8	H8PVFAMA	H8PVFAMA:W8 FamType for PovThresh-w/inst	Categ
9	H9PVFAMA	H9PVFAMA:W9 FamType for PovThresh-w/inst	Categ
10	H10PVFAMA	H10PVFAMA:W10 FamType for PovThresh-w/inst	Categ
11	H11PVFAMA	H11PVFAMA:W11 FamType for PovThresh-w/inst	Categ
12	H12PVFAMA	H12PVFAMA:W12 FamType for PovThresh-w/inst	Categ
13	H13PVFAMA	H13PVFAMA:W13 FamType for PovThresh-w/inst	Categ
6	H6PVHHIA	H6PVHHIA:W6 HH inc to chk Poverty-w/inst	Cont
7	H7PVHHIA	H7PVHHIA:W7 HH inc to chk Poverty-w/inst	Cont
8	H8PVHHIA	H8PVHHIA:W8 HH inc to chk Poverty-w/inst	Cont
9	H9PVHHIA	H9PVHHIA:W9 HH inc to chk Poverty-w/inst	Cont
10	H10PVHHIA	H10PVHHIA:W10 HH inc to chk Poverty-w/inst	Cont
11	H11PVHHIA	H11PVHHIA:W11 HH inc to chk Poverty-w/inst	Cont
12	H12PVHHIA	H12PVHHIA:W12 HH inc to chk Poverty-w/inst	Cont
13	H13PVHHIA	H13PVHHIA:W13 HH inc to chk Poverty-w/inst	Cont
9	H9PVHHIAD	H9PVHHIAD:W9 HH inc to chk Poverty-w/inst (part d)	Cont
10	H10PVHHIAD	H10PVHHIAD:W10 HH inc to chk Poverty-w/inst (part d)	Cont
6	H6PVTHRA	H6PVTHRA:W6 Poverty Threshold-w/inst	Cont
7	H7PVTHRA	H7PVTHRA:W7 Poverty Threshold-w/inst	Cont
8	H8PVTHRA	H8PVTHRA:W8 Poverty Threshold-w/inst	Cont
9	H9PVTHRA	H9PVTHRA:W9 Poverty Threshold-w/inst	Cont
10	H10PVTHRA	H10PVTHRA:W10 Poverty Threshold-w/inst	Cont
11	H11PVTHRA	H11PVTHRA:W11 Poverty Threshold-w/inst	Cont
12	H12PVTHRA	H12PVTHRA:W12 Poverty Threshold-w/inst	Cont
13	H13PVTHRA	H13PVTHRA:W13 Poverty Threshold-w/inst	Cont
6	H6NHMLIV	H6NHMLIV:W6 HHold nursing hm status	Categ
7	H7NHMLIV	H7NHMLIV:W7 HHold nursing hm status	Categ
8	H8NHMLIV	H8NHMLIV:W8 HHold nursing hm status	Categ
9	H9NHMLIV	H9NHMLIV:W9 HHold nursing hm status	Categ
10	H10NHMLIV	H10NHMLIV:W10 HHold nursing hm status	Categ
11	H11NHMLIV	H11NHMLIV:W11 HHold nursing hm status	Categ
12	H12NHMLIV	H12NHMLIV:W12 HHold nursing hm status	Categ
13	H13NHMLIV	H13NHMLIV:W13 HHold nursing hm status	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H6INPOV	17705	0.09	0.28	0.0	1.0
H7INPOV	19669	0.09	0.28	0.0	1.0
H8INPOV	18031	0.08	0.28	0.0	1.0
H9INPOV	16776	0.08	0.28	0.0	1.0
H10INPOV	21565	0.12	0.32	0.0	1.0
H11INPOV	20076	0.13	0.33	0.0	1.0
H12INPOV	18305	0.13	0.33	0.0	1.0
H13INPOV	20483	0.14	0.35	0.0	1.0
H9INPOVD	16776	0.08	0.28	0.0	1.0

H10INPOVD	21565	0.12	0.32	0.0	1.0
H6INPOVR	17705	5.02	9.10	0.0	802.7
H7INPOVR	19669	5.42	8.91	0.0	369.8
H8INPOVR	18031	5.54	23.38	0.0	1939.1
H9INPOVR	16776	5.69	47.53	0.0	6035.2
H10INPOVR	21565	4.68	6.42	0.0	290.1
H11INPOVR	20076	4.73	7.23	0.0	340.0
H12INPOVR	18305	4.90	10.42	0.0	910.1
H13INPOVR	20483	5.05	8.49	0.0	420.4
H9INPOVRD	16776	5.69	47.53	0.0	6035.2
H10INPOVRD	21565	4.69	6.42	0.0	290.1
H6POVFAM	17705	219.61	104.65	100.0	908.0
H7POVFAM	19669	228.80	113.97	100.0	908.0
H8POVFAM	18031	224.92	110.69	100.0	908.0
H9POVFAM	16776	220.83	108.11	100.0	908.0
H10POVFAM	21565	240.34	128.07	100.0	908.0
H11POVFAM	20076	237.91	127.41	100.0	908.0
H12POVFAM	18305	234.85	124.89	100.0	908.0
H13POVFAM	20483	243.31	132.36	100.0	908.0
H6POVHHI	17705	59641.53	96473.08	0.0	7395714.0
H7POVHHI	19669	68651.56	109326.96	0.0	3540169.9
H8POVHHI	18031	73703.51	322805.22	0.0	25360120.0
H9POVHHI	16776	77214.87	479288.84	0.0	60014376.0
H10POVHHI	21565	70470.18	94947.70	0.0	2984749.5
H11POVHHI	20076	73917.08	107533.28	0.0	3667705.2
H12POVHHI	18305	78376.93	148678.88	0.0	11029426.7
H13POVHHI	20483	84883.01	167492.28	0.0	10147550.0
H9POVHHID	16776	77292.36	479287.46	0.0	60014376.0
H10POVHHID	21565	70540.21	94939.30	0.0	2984749.5
H6POVTHR	17705	11877.91	3466.38	8494.0	39223.0
H7POVTHR	19669	12685.76	3965.40	8825.0	40948.0
H8POVTHR	18031	13260.72	4066.75	9367.0	43254.0
H9POVTHR	16776	13875.94	4224.84	9944.0	45921.0
H10POVTHR	21565	15324.44	5204.08	10289.0	47744.0
H11POVTHR	20076	15942.03	5401.89	10788.0	50059.0
H12POVTHR	18305	16365.60	5467.38	11173.0	51844.0
H13POVTHR	20483	17127.12	5901.11	11367.0	52747.0
H6INPOVA	18165	0.09	0.29	0.0	1.0
H7INPOVA	20129	0.09	0.29	0.0	1.0
H8INPOVA	18469	0.09	0.28	0.0	1.0
H9INPOVA	17217	0.09	0.29	0.0	1.0
H10INPOVA	22034	0.12	0.33	0.0	1.0
H11INPOVA	20554	0.13	0.34	0.0	1.0
H12INPOVA	18747	0.13	0.34	0.0	1.0
H13INPOVA	20912	0.14	0.35	0.0	1.0
H9INPOVAD	17217	0.09	0.29	0.0	1.0
H10INPOVAD	22034	0.12	0.33	0.0	1.0
H6INPVRA	18165	4.94	9.01	0.0	802.7
H7INPVRA	20129	5.33	8.81	0.0	369.8
H8INPVRA	18469	5.46	23.11	0.0	1939.1

H9INPVRA	17217	5.58	46.91	0.0	6035.2
H10INPVRA	22034	4.63	7.29	0.0	529.0
H11INPVRA	20554	4.64	7.10	0.0	340.0
H12INPVRA	18747	4.82	10.29	0.0	910.1
H13INPVRA	20912	4.97	8.40	0.0	420.4
H9INPVRAD	17217	5.59	46.91	0.0	6035.2
H10INPVRAD	22034	4.64	7.29	0.0	529.0
H6PVFAMA	18165	218.65	104.79	100.0	908.0
H7PVFAMA	20129	228.71	115.04	100.0	908.0
H8PVFAMA	18469	225.17	111.84	100.0	908.0
H9PVFAMA	17217	220.37	109.50	100.0	908.0
H10PVFAMA	22034	240.79	129.47	100.0	908.0
H11PVFAMA	20554	238.04	128.83	100.0	908.0
H12PVFAMA	18747	234.69	126.32	100.0	908.0
H13PVFAMA	20912	243.54	133.46	100.0	908.0
H6PVHHIA	18165	58787.93	95623.84	0.0	7395714.0
H7PVHHIA	20129	67753.51	108454.28	0.0	3540169.9
H8PVHHIA	18469	72849.46	319208.64	0.0	25360120.0
H9PVHHIA	17217	75991.72	473237.42	0.0	60014376.0
H10PVHHIA	22034	69960.70	101452.34	0.0	5442559.6
H11PVHHIA	20554	72986.39	106795.25	0.0	3667705.2
H12PVHHIA	18747	77391.40	147410.01	0.0	11029426.7
H13PVHHIA	20912	83946.44	166140.13	0.0	10147550.0
H9PVHHIAD	17217	76068.36	473236.15	0.0	60014376.0
H10PVHHIAD	22034	70030.75	101446.06	0.0	5443135.6
H6PVTHRA	18165	11843.70	3469.75	8494.0	39223.0
H7PVTHRA	20129	12681.67	4006.53	8825.0	40948.0
H8PVTHRA	18469	13268.08	4110.11	9367.0	43254.0
H9PVTHRA	17217	13857.51	4277.94	9944.0	45921.0
H10PVTHRA	22034	15338.37	5267.03	10289.0	47744.0
H11PVTHRA	20554	15941.89	5464.07	10788.0	50059.0
H12PVTHRA	18747	16354.49	5527.36	11173.0	51844.0
H13PVTHRA	20912	17129.66	5951.61	11367.0	52747.0
H6NHMLIV	18165	0.07	0.44	0.0	3.0
H7NHMLIV	20129	0.06	0.42	0.0	3.0
H8NHMLIV	18469	0.07	0.42	0.0	3.0
H9NHMLIV	17217	0.07	0.44	0.0	3.0
H10NHMLIV	22034	0.06	0.39	0.0	3.0
H11NHMLIV	20554	0.06	0.42	0.0	3.0
H12NHMLIV	18747	0.07	0.42	0.0	3.0
H13NHMLIV	20912	0.06	0.39	0.0	3.0

Categorical Variable Codes

HwINPOV: Whether in Poverty-no inst

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.I=R in nursing home	|						460	460	438	441	469
0.HH inc above pov thresh	|						16196	17987	16527	15361	19000
1.HH inc below pov thresh	|						1509	1682	1504	1415	2565

Value		w11	w12	w13
.I=R in nursing home	|	478	442	429
0.HH inc above pov thresh	|	17493	15972	17636
1.HH inc below pov thresh	|	2583	2333	2847

HwINPOVD: Whether in Poverty-no inst (part d)

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.I=R in nursing home	|									441	469
0.HH inc above pov thresh	|									15374	19010
1.HH inc below pov thresh	|									1402	2555

Value		w11	w12	w13
.I=R in nursing home	|			
0.HH inc above pov thresh	|			
1.HH inc below pov thresh	|			

HwPOVFAM: FamType for PovThresh-no inst

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.I: All core HH mem in inst	|						460	460	438	441	469
100: 1 in HH lt 65	|						1107	1335	1087	964	1847
110: 1 in HH gt 65	|						2995	2943	3057	3079	2895
200: 2 in HH lt 65/0 kids	|						3383	3774	2975	2436	3869
201: 2 in HH lt 65/1 kid	|						288	361	247	179	465
210: 2 in HH gt 65/0 kids	|						5471	5653	5753	5822	5378
211: 2 in HH gt 65/1 kid	|						633	635	649	628	634
300: 3 in HH/0 kids	|						510	789	597	470	1042
301: 3 in HH/1 kids	|						1423	1574	1444	1284	1802
302: 3 in HH/2 kids	|						307	356	328	321	410
400: 4 in HH/0 kids	|						160	289	216	174	478
401: 4 in HH/1 kids	|						309	385	312	278	570
402: 4 in HH/2 kids	|						394	544	442	355	597
403: 4 in HH/3 kids	|						53	81	90	79	89
500: 5 in HH/0 kids	|						30	79	40	33	132
501: 5 in HH/1 kids	|						101	151	115	85	218
502: 5 in HH/2 kids	|						147	181	166	136	250
503: 5 in HH/3 kids	|						68	113	106	95	151
504: 5 in HH/4 kids	|						19	22	29	23	24
600: 6 in HH/0 kids	|						10	22	19	16	58
601: 6 in HH/1 kids	|						36	33	40	36	83
602: 6 in HH/2 kids	|						61	68	76	84	109
603: 6 in HH/3 kids	|						60	39	55	39	83
604: 6 in HH/4 kids	|						17	22	21	20	43
605: 6 in HH/5 kids	|						1	3	3	5	8
700: 7 in HH/0 kids	|						6	4	5	1	11

701: 7 in HH/1 kids	|	7	22	8	8	28
702: 7 in HH/2 kids	|	28	40	36	32	46
703: 7 in HH/3 kids	|	14	22	26	13	48
704: 7 in HH/4 kids	|	5	13	17	12	23
705: 7 in HH/5 kids	|	3		4	5	14
706: 7 in HH/6 kids	|		1		2	1
800: 8 in HH/0 kids	|					11
801: 8 in HH/1 kids	|	1	6	6	2	9
802: 8 in HH/2 kids	|	5	23	11	8	28
803: 8 in HH/3 kids	|	6	16	14	13	16
804: 8 in HH/4 kids	|	4	12	8	4	14
805: 8 in HH/5 kids	|	4	7		6	7
806: 8 in HH/6 kids	|	7	4	2		2
900: 9 in HH/0 kids	|	2	4	2	2	2
901: 9 in HH/1 kids	|		4			2
902: 9 in HH/2 kids	|		9	3	10	15
903: 9 in HH/3 kids	|	8	10	11	10	14
904: 9 in HH/4 kids	|	6	8	3	3	17
905: 9 in HH/5 kids	|	10	1	1	2	13
906: 9 in HH/6 kids	|	4	4			5
907: 9 in HH/7 kids	|	1	6	5	1	
908: 9 in HH/8 kids	|	1	1	2	1	4

Value	|	w11	w12	w13
.I: All core HH mem in inst	|	478	442	429
100: 1 in HH lt 65	|	1685	1489	2028
110: 1 in HH gt 65	|	2827	2795	2649
200: 2 in HH lt 65/0 kids	|	3471	3030	3645
201: 2 in HH lt 65/1 kid	|	475	417	559
210: 2 in HH gt 65/0 kids	|	5225	4823	4398
211: 2 in HH gt 65/1 kid	|	628	647	659
300: 3 in HH/0 kids	|	839	615	964
301: 3 in HH/1 kids	|	1668	1581	1887
302: 3 in HH/2 kids	|	399	413	433
400: 4 in HH/0 kids	|	275	211	433
401: 4 in HH/1 kids	|	521	425	498
402: 4 in HH/2 kids	|	586	578	633
403: 4 in HH/3 kids	|	107	108	123
500: 5 in HH/0 kids	|	77	59	124
501: 5 in HH/1 kids	|	168	130	205
502: 5 in HH/2 kids	|	289	266	306
503: 5 in HH/3 kids	|	166	114	175
504: 5 in HH/4 kids	|	25	27	26
600: 6 in HH/0 kids	|	42	32	56
601: 6 in HH/1 kids	|	49	42	50
602: 6 in HH/2 kids	|	118	133	161
603: 6 in HH/3 kids	|	72	82	91
604: 6 in HH/4 kids	|	48	34	47
605: 6 in HH/5 kids	|	9	16	11
700: 7 in HH/0 kids	|	1	4	19
701: 7 in HH/1 kids	|	23	15	17
702: 7 in HH/2 kids	|	45	48	48
703: 7 in HH/3 kids	|	39	31	35
704: 7 in HH/4 kids	|	27	18	20
705: 7 in HH/5 kids	|	18	9	7
706: 7 in HH/6 kids	|	2	1	2
800: 8 in HH/0 kids	|	5	2	15
801: 8 in HH/1 kids	|	3	4	9
802: 8 in HH/2 kids	|	21	5	25
803: 8 in HH/3 kids	|	24	21	17
804: 8 in HH/4 kids	|	16	16	24
805: 8 in HH/5 kids	|	10	5	8
806: 8 in HH/6 kids	|	3	1	5
900: 9 in HH/0 kids	|			5
901: 9 in HH/1 kids	|	4	2	6
902: 9 in HH/2 kids	|	11	5	7
903: 9 in HH/3 kids	|	10	11	21
904: 9 in HH/4 kids	|	21	15	14
905: 9 in HH/5 kids	|	13	12	11
906: 9 in HH/6 kids	|	4	2	2

907: 9 in HH/7 kids	|	3	6	
908: 9 in HH/8 kids	|	4	5	5

HwINPOVA: Whether in Poverty-w/inst

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.HH inc above pov thresh	|						16536	18318	16843	15655	19316
1.HH inc below pov thresh	|						1629	1811	1626	1562	2718

Value	|	w11	w12	w13
0.HH inc above pov thresh	|	17817	16261	17937
1.HH inc below pov thresh	|	2737	2486	2975

HwINPOVAD: Whether in Poverty-w/inst (part d)

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.HH inc above pov thresh	|									15668	19324
1.HH inc below pov thresh	|									1549	2710

Value	|	w11	w12	w13
0.HH inc above pov thresh	|			
1.HH inc below pov thresh	|			

HwPVFAMA: FamType for PovThresh-w/inst

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
100: 1 in HH lt 65	|						1104	1333	1077	955	1822
110: 1 in HH gt 65	|						3283	3203	3293	3382	3177
200: 2 in HH lt 65/0 kids	|						3339	3701	2896	2374	3764
201: 2 in HH lt 65/1 kid	|						287	362	255	185	477
210: 2 in HH gt 65/0 kids	|						5570	5744	5829	5901	5491
211: 2 in HH gt 65/1 kid	|						645	661	675	621	630
300: 3 in HH/0 kids	|						497	765	581	461	994
301: 3 in HH/1 kids	|						1487	1620	1518	1346	1858
302: 3 in HH/2 kids	|						324	376	350	323	410
400: 4 in HH/0 kids	|						158	288	209	163	475
401: 4 in HH/1 kids	|						324	418	337	295	616
402: 4 in HH/2 kids	|						414	587	482	393	663
403: 4 in HH/3 kids	|						53	87	98	82	94
500: 5 in HH/0 kids	|						30	79	42	35	142
501: 5 in HH/1 kids	|						105	151	115	88	231
502: 5 in HH/2 kids	|						151	186	170	137	263
503: 5 in HH/3 kids	|						68	127	111	99	160
504: 5 in HH/4 kids	|						19	22	30	25	27
600: 6 in HH/0 kids	|						10	21	21	14	56
601: 6 in HH/1 kids	|						36	37	44	36	85
602: 6 in HH/2 kids	|						61	75	80	90	121
603: 6 in HH/3 kids	|						60	39	61	44	90
604: 6 in HH/4 kids	|						17	22	26	23	45
605: 6 in HH/5 kids	|						1	3	3	5	8
700: 7 in HH/0 kids	|						6	4	5	1	11
701: 7 in HH/1 kids	|						7	23	8	8	31
702: 7 in HH/2 kids	|						28	40	37	30	46
703: 7 in HH/3 kids	|						14	22	26	14	40

704: 7 in HH/4 kids	|	5	13	17	11	24
705: 7 in HH/5 kids	|	3	2	5	5	14
706: 7 in HH/6 kids	|		1		2	1
800: 8 in HH/0 kids	|					11
801: 8 in HH/1 kids	|	1	4	6	2	10
802: 8 in HH/2 kids	|	5	23	11	10	28
803: 8 in HH/3 kids	|	6	16	12	14	16
804: 8 in HH/4 kids	|	4	12	8	4	19
805: 8 in HH/5 kids	|	4	7		8	7
806: 8 in HH/6 kids	|	7	4	2		2
900: 9 in HH/0 kids	|	2	4	2	2	2
901: 9 in HH/1 kids	|		4			2
902: 9 in HH/2 kids	|		13	3	10	15
903: 9 in HH/3 kids	|	8	10	11	12	14
904: 9 in HH/4 kids	|	6	8	5	3	18
905: 9 in HH/5 kids	|	10	1	1	2	15
906: 9 in HH/6 kids	|	4	4			5
907: 9 in HH/7 kids	|	1	6	5	1	
908: 9 in HH/8 kids	|	1	1	2	1	4

Value	|	w11	w12	w13
100: 1 in HH lt 65	|	1674	1492	2016
110: 1 in HH gt 65	|	3135	3080	2915
200: 2 in HH lt 65/0 kids	|	3358	2946	3532
201: 2 in HH lt 65/1 kid	|	481	420	563
210: 2 in HH gt 65/0 kids	|	5330	4901	4493
211: 2 in HH gt 65/1 kid	|	620	647	656
300: 3 in HH/0 kids	|	795	590	919
301: 3 in HH/1 kids	|	1741	1641	1964
302: 3 in HH/2 kids	|	403	425	446
400: 4 in HH/0 kids	|	282	200	440
401: 4 in HH/1 kids	|	550	451	532
402: 4 in HH/2 kids	|	638	619	662
403: 4 in HH/3 kids	|	108	102	123
500: 5 in HH/0 kids	|	78	57	129
501: 5 in HH/1 kids	|	164	144	216
502: 5 in HH/2 kids	|	315	277	328
503: 5 in HH/3 kids	|	182	119	189
504: 5 in HH/4 kids	|	29	32	28
600: 6 in HH/0 kids	|	41	32	56
601: 6 in HH/1 kids	|	53	42	52
602: 6 in HH/2 kids	|	129	136	165
603: 6 in HH/3 kids	|	73	90	95
604: 6 in HH/4 kids	|	49	39	55
605: 6 in HH/5 kids	|	10	15	12
700: 7 in HH/0 kids	|	1	4	19
701: 7 in HH/1 kids	|	23	11	17
702: 7 in HH/2 kids	|	44	49	46
703: 7 in HH/3 kids	|	39	31	36
704: 7 in HH/4 kids	|	32	25	20
705: 7 in HH/5 kids	|	18	12	8
706: 7 in HH/6 kids	|	2	1	2
800: 8 in HH/0 kids	|	5	2	15
801: 8 in HH/1 kids	|	3	6	9
802: 8 in HH/2 kids	|	21	7	25
803: 8 in HH/3 kids	|	25	22	19
804: 8 in HH/4 kids	|	18	16	26
805: 8 in HH/5 kids	|	10	5	8
806: 8 in HH/6 kids	|	3	1	5
900: 9 in HH/0 kids	|			5
901: 9 in HH/1 kids	|	4	2	6
902: 9 in HH/2 kids	|	11	4	7
903: 9 in HH/3 kids	|	12	12	20
904: 9 in HH/4 kids	|	19	15	14
905: 9 in HH/5 kids	|	15	12	12
906: 9 in HH/6 kids	|	4	2	2
907: 9 in HH/7 kids	|	3	6	
908: 9 in HH/8 kids	|	4	5	5

HwNHMLIV: HHold nursing hm status

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No one in NHM	|						17641	19607	17972	16716	21487
1.One of cpl in NHM	|						128	125	118	121	158
2.Both of cpl in NHM	|						18	20	26	18	35
3.Single R, in NHM	|						378	377	353	362	354

Value		w11	w12	w13
0.No one in NHM	|	20009	18257	20422
1.One of cpl in NHM	|	133	96	122
2.Both of cpl in NHM	|	33	40	31
3.Single R, in NHM	|	379	354	337

General Comments

Income measures are reported in nominal dollars. When an HRS or AHEAD income component is missing, it is imputed using the method described in the section titled "Income and Wealth Imputations" earlier in this document.

The HRS and AHEAD income components are summed to create the income measures found here in the RAND HRS Longitudinal File. For each derived income measure, a flag indicates whether any or all of its components were imputed. Individual income components and imputation flags are available in the RAND HRS Detailed Imputations File.

Please note that the imputation algorithms sometimes produce amounts that are quite large. Users are encouraged to examine outliers in the data and address them as necessary depending on the analytic goals.

How Constructed

The Census definitions for determining poverty status and the methods used to apply them to HRS measures are described in "Determination of Poverty Status for Wave 6+" in the introduction.

The poverty status variables are included from Wave 6 forward. The household income from the last calendar year is compared to the U.S. Census poverty thresholds for the year prior to the interview wave. For example, for Wave 6 (HRS 2002), it is compared to poverty thresholds from 2001 and for Wave 7 (HRS 2004), it is compared to poverty thresholds from 2003. The family composition is derived using household members reported at the time of the interview.

HwINPOV indicates whether household income for the last calendar year is below the poverty threshold, using the U.S. Census definition and poverty thresholds. There are separate income levels for 48 categories of family composition. The number of resident family members, the number under 18 years old, and the age of the household head define family composition. HwPOVFAM provides the family composition used to determine the appropriate income level. HwPOVTHR stores the corresponding Census-given poverty threshold for the appropriate year. HwPOVHHI provides the household income compared to the poverty threshold, and HwINPOVR is the ratio of household income to the poverty threshold. HRS total household income (HwITOT) is adjusted to conform to the Census definition, that is, food stamps are subtracted, and amounts previously deducted from Social Security payments for Medicare Part B and/or Part D premiums, and income of other resident family members are added.

The Census (CPS-compatible) definition of resident family includes those away with no other residence who are not institutionalized. For compatibility, non-core resident family members who are away in institutions are not counted, and core HRS Respondents who reside in nursing homes are excluded. If the HRS Respondent lives in a nursing home at the time of the interview then HwINPOV, HwPOVFAM, HwPOVTHR, HwPOVHHI, and HwINPOVR are all set to a special missing value (.I) to indicate that the Census definition of poverty does not apply. If one person in a couple lives in a nursing home, s/he is not counted in determining the family composition, and her/his income is subtracted from the total household income. HwNHMLIV summarizes the nursing home residence

status of the core HRS household. It is based on RwnHMLIV and SwNHMLIV, documented in the Health section.

HwPOVHHI =

- (total household income - food stamps)
- + (Medicare Part B and/or Part D premiums for cases where these had been deducted from Social Security payments)
- + (income of non-core resident family members)
- (income of any core HRS nursing home resident, including earnings, pensions, Social Security, SSI, unemployment and workers compensation, and government transfer income)

We provide another set of these variables that uses the same methods but includes institutionalized family members who are part of the household. HRS Respondents living in a nursing home and non-core family members away in an institution are counted, and their income is included. Using these counts and income, HwINPOVA indicates whether in poverty, HwPVFAMA gives the family composition, HwPVTHRA is the poverty threshold for the family, HwPVHHIA is the total household income, and HwINPVRA is the ratio of household income to the poverty threshold.

Beginning in Wave 8, individuals are asked if they are enrolled in Medicare Part D. In Waves 9 and 10, individuals are also asked how they pay their premiums. One option for payment of premiums is an automatic deduction from Social Security benefits. Those who report having premiums deducted from their benefits are asked the amount of their monthly deduction. We provide a separate set of poverty variables that take into account this additional information about Medicare Part D premiums in Waves 9 and 10. These include HwINPOVD, HwINPOVRD, and HwPOVHHID, which do not contain information about institutionalized family members, and HwINPOVAD, HwINPVRAD, and HwPVHHIAD, which do include this information.

To address outlying values, we first winsorize the reported Part D premium amounts at the 95th percentile, resulting in a maximum monthly deduction of \$132 and \$170 for Waves 9 and 10, respectively. Of those reporting an automatic deduction, there are some Respondents who do not report a dollar amount, and for these we impute the monthly deduction using the median deduction (\$35 per month and \$48 per month for Waves 9 and 10, respectively) among Respondents with a positive deduction amount. There is also a small percentage of Respondents who report "0" dollars for the amount deducted, and for these we (a) leave the amount deducted at "0" dollars, and (b) include them in the pool of Respondents used to determine the median deduction for the imputation.

For details about the poverty variables included in this file, please see the section titled "Poverty Threshold Definitions and HRS Measures" earlier in this document.

HRS Variables Used

HRS 2002:

HQ431_13	HHMEM PERSON NUMBER -12
HQ432_13	HHMEM WRKG LCY -12
HQ433_13	HHMEM EARNED AMOUNT - LCY -12
HQ434_13	HHMEM EARNED AMT - MIN -12
HQ435_13	HHMEM EARNED AMT - MAX -12
HQ436_13	HHMEM EARNED AMT - RESULT 12

HRS 2002-2008:

xZ057_MC	PREV WAVE RESIDENCY STATUS
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HRS 2002-2012:

xQ431_11	HHMEM PERSON NUMBER -11
xQ431_12	HHMEM PERSON NUMBER -12
xQ432_11	HHMEM WRKG LCY -11
xQ432_12	HHMEM WRKG LCY -12
xQ433_11	HHMEM EARNED AMOUNT - LCY -11
xQ433_12	HHMEM EARNED AMOUNT - LCY -12
xQ434_11	HHMEM EARNED AMT - MIN -11
xQ434_12	HHMEM EARNED AMT - MIN -12
xQ435_11	HHMEM EARNED AMT - MAX -11
xQ435_12	HHMEM EARNED AMT - MAX -12
xQ436_11	HHMEM EARNED AMT - RESULT -11

xQ436_12	HHMEM EARNED AMT - RESULT 12
HRS 2002-2016:	
xN004	MEDICARE PART B COVERAGE
xN005	MEDICAID COVERAGE SINCE PREV WAVE
xQ431_1	HHMEM PERSON NUMBER -1
xQ431_10	HHMEM PERSON NUMBER -10
xQ431_2	HHMEM PERSON NUMBER -2
xQ431_3	HHMEM PERSON NUMBER -3
xQ431_4	HHMEM PERSON NUMBER -4
xQ431_5	HHMEM PERSON NUMBER -5
xQ431_6	HHMEM PERSON NUMBER -6
xQ431_7	HHMEM PERSON NUMBER -7
xQ431_8	HHMEM PERSON NUMBER -8
xQ431_9	HHMEM PERSON NUMBER -9
xQ432_1	HHMEM WRKG LCY -1
xQ432_10	HHMEM WRKG LCY -10
xQ432_2	HHMEM WRKG LCY -2
xQ432_3	HHMEM WRKG LCY -3
xQ432_4	HHMEM WRKG LCY -4
xQ432_5	HHMEM WRKG LCY -5
xQ432_6	HHMEM WRKG LCY -6
xQ432_7	HHMEM WRKG LCY -7
xQ432_8	HHMEM WRKG LCY -8
xQ432_9	HHMEM WRKG LCY -9
xQ433_1	HHMEM EARNED AMOUNT - LCY -1
xQ433_10	HHMEM EARNED AMOUNT - LCY -10
xQ433_2	HHMEM EARNED AMOUNT - LCY -2
xQ433_3	HHMEM EARNED AMOUNT - LCY -3
xQ433_4	HHMEM EARNED AMOUNT - LCY -4
xQ433_5	HHMEM EARNED AMOUNT - LCY -5
xQ433_6	HHMEM EARNED AMOUNT - LCY -6
xQ433_7	HHMEM EARNED AMOUNT - LCY -7
xQ433_8	HHMEM EARNED AMOUNT - LCY -8
xQ433_9	HHMEM EARNED AMOUNT - LCY -9
xQ434_1	HHMEM EARNED AMT - MIN -1
xQ434_10	HHMEM EARNED AMT - MIN -10
xQ434_2	HHMEM EARNED AMT - MIN -2
xQ434_3	HHMEM EARNED AMT - MIN -3
xQ434_4	HHMEM EARNED AMT - MIN -4
xQ434_5	HHMEM EARNED AMT - MIN -5
xQ434_6	HHMEM EARNED AMT - MIN -6
xQ434_7	HHMEM EARNED AMT - MIN -7
xQ434_8	HHMEM EARNED AMT - MIN -8
xQ434_9	HHMEM EARNED AMT - MIN -9
xQ435_1	HHMEM EARNED AMT - MAX -1
xQ435_10	HHMEM EARNED AMT - MAX -10
xQ435_2	HHMEM EARNED AMT - MAX -2
xQ435_3	HHMEM EARNED AMT - MAX -3
xQ435_4	HHMEM EARNED AMT - MAX -4
xQ435_5	HHMEM EARNED AMT - MAX -5
xQ435_6	HHMEM EARNED AMT - MAX -6
xQ435_7	HHMEM EARNED AMT - MAX -7
xQ435_8	HHMEM EARNED AMT - MAX -8
xQ435_9	HHMEM EARNED AMT - MAX -9
xQ436_1	HHMEM EARNED AMT - RESULT -1
xQ436_10	HHMEM EARNED AMT - RESULT -10
xQ436_2	HHMEM EARNED AMT - RESULT -2
xQ436_3	HHMEM EARNED AMT - RESULT -3
xQ436_4	HHMEM EARNED AMT - RESULT -4

xQ436_5	HHMEM EARNED AMT - RESULT -5
xQ436_6	HHMEM EARNED AMT - RESULT -6
xQ436_7	HHMEM EARNED AMT - RESULT -7
xQ436_8	HHMEM EARNED AMT - RESULT -8
xQ436_9	HHMEM EARNED AMT - RESULT -9
xQ437	HHMEM NON JOB INCOME RECD AMOUNT
xQ438	HHMEM NON JOB INC AMT - MIN
xQ439	HHMEM NON JOB INC AMT - MAX
xQ440	HHMEM NON JOB INC AMT - RESULT
xx056_MC	RESIDENCY STATUS-UPDATED
xx060_MC	SEX OF INDIVIDUAL-UPDATED
xx061_MC	RELATIONSHIP TO R-UPDATED
xx063_MC	RELATIONSHIP HHM TO SP - UPDATED
xx065_MC	COUPLENESS STATUS HHM - UPDATED
xx067_MC	YEAR BORN-UPDATED
xx069_MC	RELATION HHM TO HHM - UPDATED
xx073_MC	YEAR HHM MOVED IN/OUT/DIED-UPDATED
HRS 2008-2010:	
xN423	HOW PAY MEDICARE PREMIUMS
xN424	SS DEDUCTION MONTHLY PREMIUMS
HRS 2010-2012:	
xx057_MC	PREV WAVE RESIDENCY STATUS

Section E: Social Security

Receives Social Security in any wave

Wave	Variable	Label	Type
1	RASSRECV	RASSRECV: R Receives SocSec	Categ
1	SASSRECV	SASSRECV: Any Spouse Receives SocSec	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RASSRECV	42052	0.67	0.47	0.0	1.0
SASSRECV	31098	0.61	0.49	0.0	1.0

Categorical Variable Codes

RASSRECV: R Receives SocSec

Value	
0.No	13733
1.Yes	28319

SASSRECV: Any Spouse Receives SocSec

Value	
.U=Unmarried	10954
0.No	12164
1.Yes	18934

How Constructed

RASSRECV is derived by looking at all waves of data. If the Respondent receives Social Security (OASDI) at any wave, RASSRECV is set to "yes" (=1).

SASSRECV is derived by looking at all waves of data. If any of the Respondent's spouses receives Social Security at any wave, SASSRECV is set to "yes" (=1). If the Respondent is not in a couple household in any wave, and never reports a spouse receiving Social Security, SASSRECV is set to SAS special missing value .U for unmarried.

Social Security income measures are reported at the household level at all waves. The Financial Respondent reports income for both her/himself and her/his spouse or partner. Through Wave 5, Social Security income is taken from a variable in the Assets and Income section that identifies who receives this type of income: Financial Respondent only, Financial Respondent's spouse only, or both. If both the Financial Respondent and the Financial Respondent's spouse receive Social Security income, then both RASSRECV

and SASSRECV are set to yes. If the Respondent is the Financial Respondent, then a response indicating, "Financial Respondent only" sets RASSRECV to yes and a response indicating, "Financial Respondent's spouse only" sets SASSRECV to yes. If the Respondent is the Financial Respondent's spouse, then a response indicating, "Financial Respondent only" sets SASSRECV to yes, and a response indicating, "Financial Respondent's spouse only" sets RASSRECV to yes.

From Wave 6 onward, all Respondents are asked whether they receive Social Security in the Employment section. In addition, the Financial Respondent is asked if her/his spouse receives Social Security income in the Assets and Income section. To derive SASSRECV, the self-report of the Financial Respondent's spouse is used first, but if it is missing, or if the spouse did not respond, the Financial Respondent's report from the Assets and Income section is used.

Cross Wave Differences in Original HRS Data

The Financial Respondent (FinR) answers all questions in the Assets and Income section for the entire household. Through Wave 5, the Financial Respondent is asked if anyone in the household receives Social Security income, and if so, who (Financial Respondent only, Financial Respondent's spouse only, or both).

In Wave 1 and 2A, the raw data provide one variable that combines the answers to these two questions. In Wave 3A, the question is asked separately for the Financial Respondent and spouse. In Waves 2H, 3H, 4, and 5, there are two variables to capture this information.

From Wave 6 onward, all Respondents are asked in the Employment section whether they receive Social Security income. In the Assets and Income section, the Financial Respondent's response is carried from the Employment section, and the Financial Respondent is then asked if the spouse receives any Social Security income. There are thus two possible sources for whether the spouse of the Financial Respondent receives Social Security income: the spouse's own response in the Employment section and the Financial Respondent's report in the Assets and Income section.

HRS Variables Used

HRS 1992:	
VR6000	VR6000: Who receives SocSec/ Self
AHEAD 1993:	
BR1376	J1.SS:RECEIVE ANY/Self
HRS 1994:	
W6253	N23.SOCIAL SECURITY?
W6254	N23a.WHO RECEIVED SOCIAL
AHEAD 1995:	
DP3875	J1/5.RECEIVE SOC SEC / SP-P
DR3875	J1/5.RECEIVE SOC SEC / R
HRS 1996:	
E3983	J45.SOC SEC INCOME
ER3984	J46.WHO RECEIVE SOC SEC INCOME/Self
HRS 1998:	
F4743	J45.SOC SEC INCOME
FR4744	J46.WHO RECEIVE SOC SEC INCOME/Self
HRS 2000:	
G5182	J45.SOC SEC INCOME
GR5185	J46.WHO RECEIVE SOC SEC INCOME/Self
HRS 2002:	
HQR106	WHO RECEIVED INC FROM SSI LAST MONTH/Sel
HRS 2016:	
PJ3478	CURRENTLY RECV SOC SEC INCOME
HRS 2002-2014:	
xJ478	CURRENTLY RECV SOC SEC INCOME
HRS 2004-2016:	
xQ106	WHO RECEIVED INC FROM SSI LAST MONTH
Tracker:	
xFINR	1992-2016 WHETHER FINANCIAL RESPONDENT

Age when started to receive Social Security

Wave	Variable	Label	Type
1	RASSAGEM	RASSAGEM: Age/months R Start Rec. SocSec	Cont
1	SASSAGEM	SASSAGEM: Age/mnth Sp Start Rec. SocSec	Cont
1	RASSAGEB	RASSAGEB: Age R Start Rec. SocSec	Cont
1	SASSAGEB	SASSAGEB: Age Sp Start Rec. SocSec	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RASSAGEM	18566	724.32	86.11	1.0	1112.0
SASSAGEM	12434	734.12	74.59	1.0	1081.0
RASSAGEB	18566	60.37	7.18	0.1	92.7
SASSAGEB	12434	61.19	6.22	0.1	90.1

How Constructed

RASSAGEB is the age in years and RASSAGEM is the age in months when the Respondent starts to receive Social Security (OASDI) income.

SASSAGEB is the age in years and SASSAGEM is the age in months when the Respondent's spouse or partner starts to receive Social Security income. If the Respondent has more than one spouse, then we look at the first time any spouse is reported to receive Social Security income. SASSAGEB is derived as the age of this spouse at the starting month given at that interview.

If the Respondent is not in a couple household in any wave, and never reports a spouse receiving Social Security income, SASSAGEB and SASSAGEM are both set to SAS special missing value .U for unmarried.

The month the Respondent or spouse starts to receive Social Security income is taken from the first interview at which s/he is reported to receive it. The Respondent or spouse's age is derived from this month and the appropriate birth date. The age in months is first calculated, and the age in years is calculated as the age in months divided by 12 and rounded to 1 decimal place.

If the year when Social Security is first received is given but the month is missing, then the month used to calculate age is the month after the individual's birthday, except for those born in December, in which case December is used.

In Waves 2A and 3A, there is no specific month or year recorded if the Respondent or her/his spouse first received Social Security more than two years prior. Further, there are cases where the two-year question is also skipped. For these cases, if a start month is given at a later wave and provides a date that precedes the W2A interview, or the two years prior if the Respondent started receiving more than two years previously, then the given start month is used in deriving this variable. Otherwise, the start month and year for cases where receipt began more than two years before are set to .T. For cases where the two-year question is missing, the start month and year are set to .M.

Social Security income measures are reported by the Financial Respondent for the household in all waves. The Financial Respondent reports the month Social Security income starts for both her/himself and her/his spouse or partner. The month when the Respondent starts

receiving Social Security is that of the Financial Respondent, and the month when the spouse started is that of the Financial Respondent's spouse. If the Respondent is the spouse of the Financial Respondent, then the Financial Respondent-reported Respondent and spouse measures are swapped. That is, if the Respondent is the Financial Respondent's spouse, then the Financial Respondent-reported spouse start month is assigned as the Respondent's start month.

Cross Wave Differences in Original HRS Data

The Financial Respondent (FinR) answers all income questions for the household. If the Financial Respondent or the Financial Respondent's spouse or partner receives Social Security income, then a question asks when it began for each individual.

In Waves 1 and 2H, the month when Social Security income was first received is asked for everyone who receives it. In Waves 2A and 3A, if the Respondent or her/his spouse started to receive Social Security more than two years ago, the questions pertaining to month and year started are skipped. Note that, since most people in the AHEAD cohort are age 70 or older at Wave 2A, the majority began receiving Social Security more than two years prior to the interview, and thus are not asked the month when it began. Furthermore, for unknown reasons in Wave 2A, the majority of cases skip the question about whether the Financial Respondent's Social Security started more than two years ago and hence also skip the question on the specific starting date. The two-year question for Financial Respondent's spouse does not appear to have this skip problem.

In Wave 3H, the month Social Security income was first received is not asked if a preloaded variable indicates that the individual reported receiving Social Security at a previous wave. If the preload indicates no report of receiving Social Security income at a previous wave, then the year when it started is asked. If the year is 1994 or later, then the month is asked. If the year is before 1994, then the month is not asked. From Wave 4 forward, the questions are structured the same as in Wave 3H, except the year cut-offs for asking month are two years prior, e.g., 1996 in Wave 4, 1998 in Wave 5, and 2000 in Wave 6.

HRS Variables Used

HRS 1992:	
VR6004	N41C:SS:MO BENEFITS BGAN / Joint
VR6013	N42B:SS:MO BENFT BGAN/ Self
VR6014	N42B:SS:YR BENFT BGAN/ Self
AHEAD 1993:	
BP1380	J2c|3b.SS:START >2YRS AGO/Sp-P
BP1381	J2d|3c.SS:START MONTH/Sp-P
BP1382	J2e|3d.SS:START YEAR/Sp-P
BR1380	J2c|3b.SS:START >2YRS AGO/Self
BR1381	J2d|3c.SS:START MONTH/Self
BR1382	J2e|3d.SS:START YEAR/Self
HRS 1994:	
W6261	N23e.START RECEIVING SS-
W6262	N23e.START RECEIVING SS-
W6269	N23h.SP-START RECEIVING
W6270	N23h.SP-START RECEIVING
AHEAD 1995:	
DP3882	J4/7. START SS IN LAST TWO YEARS / SP-P
DP3883	J4a/7a.MONTH START SOC SEC / SP-P
DP3884	J4a/7a.YEAR START SOC SEC / SP-P
DR3882	J4/7. START SS IN LAST TWO YEARS / R
DR3883	J4a/7a.MONTH START SOC SEC / R
DR3884	J4a/7a.YEAR START SOC SEC / R
HRS 1996:	
EP3990	J48.R RECV SS BENEFITS START YEAR/Sp-P
EP3991	J49.SS BENEFITS START MONTH/Sp-P
ER3990	J48.R RECV SS BENEFITS START YEAR/Self
ER3991	J49.SS BENEFITS START MONTH/Self
HRS 1998:	
FP4750	J48. SS BENEFITS START YEAR/Sp-P

FP4751	J49. SS BENEFITS START MONTH/Sp-P
FR4750	J48. SS BENEFITS START YEAR/Self
FR4751	J49. SS BENEFITS START MONTH/Self
HRS 2000:	
GP5193	J48. SS BENEFITS START YEAR/Sp-P
GP5194	J49. SS BENEFITS START MONTH/Sp-P
GR5193	J48. SS BENEFITS START YEAR/Self
GR5194	J49. SS BENEFITS START MONTH/Self
HRS 2002:	
HQP089	R YEAR STARTED TO RECEIVE SS BENEFITS/Sp
HQP090	R MONTH STARTED TO RECEIVE SS BENEFITS/S
HQR089	R YEAR STARTED TO RECEIVE SS BENEFITS/Se
HQR090	R MONTH STARTED TO RECEIVE SS BENEFITS/S
HRS 2004-2016:	
xQ089	R YEAR STARTED TO RECEIVE SS BENEFITS
xQ090	R MONTH STARTED TO RECEIVE SS BENEFITS
xQ095	SP YEAR STARTED TO RECEIVE SS BENEFITS
xQ096	SP MONTH STARTED TO RECEIVE SS BENEFITS
Tracker:	
xFINR	1992-2016 WHETHER FINANCIAL RESPONDENT

SSDI, SSI Disability Episodes

Wave	Variable	Label	Type
1	RADNEPI	RADNEPI: TOTAL NUMBER OF DISABLILITY EPISODES	Categ
1	RADTYPE1	RADTYPE1:E1 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE2	RADTYPE2:E2 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE3	RADTYPE3:E3 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE4	RADTYPE4:E4 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE5	RADTYPE5:E5 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE6	RADTYPE6:E6 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE7	RADTYPE7:E7 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE8	RADTYPE8:E8 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE9	RADTYPE9:E9 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE10	RADTYPE10:E10 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADTYPE11	RADTYPE11:E11 SSDI=1, SSI=2, DK OR BOTH=3	Categ
1	RADSTAT1	RADSTAT1:E1 EPISODE STATUS	Categ
1	RADSTAT2	RADSTAT2:E2 EPISODE STATUS	Categ
1	RADSTAT3	RADSTAT3:E3 EPISODE STATUS	Categ
1	RADSTAT4	RADSTAT4:E4 EPISODE STATUS	Categ
1	RADSTAT5	RADSTAT5:E5 EPISODE STATUS	Categ
1	RADSTAT6	RADSTAT6:E6 EPISODE STATUS	Categ
1	RADSTAT7	RADSTAT7:E7 EPISODE STATUS	Categ
1	RADSTAT8	RADSTAT8:E8 EPISODE STATUS	Categ
1	RADSTAT9	RADSTAT9:E9 EPISODE STATUS	Categ
1	RADSTAT10	RADSTAT10:E10 EPISODE STATUS	Categ
1	RADSTAT11	RADSTAT11:E11 EPISODE STATUS	Categ
1	RADAPPM1	RADAPPM1:E1 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM2	RADAPPM2:E2 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM3	RADAPPM3:E3 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM4	RADAPPM4:E4 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM5	RADAPPM5:E5 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM6	RADAPPM6:E6 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM7	RADAPPM7:E7 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM8	RADAPPM8:E8 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM9	RADAPPM9:E9 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPM10	RADAPPM10:E10 MONTH APPLIED SSI/SSDI	Cont

1	RADAPPM11	RADAPPM11:E11 MONTH APPLIED SSI/SSDI	Cont
1	RADAPPY1	RADAPPY1:E1 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY2	RADAPPY2:E2 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY3	RADAPPY3:E3 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY4	RADAPPY4:E4 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY5	RADAPPY5:E5 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY6	RADAPPY6:E6 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY7	RADAPPY7:E7 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY8	RADAPPY8:E8 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY9	RADAPPY9:E9 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY10	RADAPPY10:E10 YEAR APPLIED SSI/SSDI	Cont
1	RADAPPY11	RADAPPY11:E11 YEAR APPLIED SSI/SSDI	Cont
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1	RADAPPD2	RADAPPD2:E2 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD3	RADAPPD3:E3 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD4	RADAPPD4:E4 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD5	RADAPPD5:E5 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD6	RADAPPD6:E6 DATE APPLIED SSI/SSDI	Cont
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1	RADAPPD10	RADAPPD10:E10 DATE APPLIED SSI/SSDI	Cont
1	RADAPPD11	RADAPPD11:E11 DATE APPLIED SSI/SSDI	Cont
1	RADREAM1	RADREAM1:E1 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
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1	RADREAM10	RADREAM10:E10 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAM11	RADREAM11:E11 MONTH REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY1	RADREAY1:E1 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY2	RADREAY2:E2 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont

1	RADREAY3	RADREAY3:E3 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY4	RADREAY4:E4 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY5	RADREAY5:E5 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY6	RADREAY6:E6 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY7	RADREAY7:E7 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY8	RADREAY8:E8 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
1	RADREAY9	RADREAY9:E9 YEAR REAPPLIED/APPEALED SSI/SSDI	Cont
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1	RADRECY4	RADRECY4:E4 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY5	RADRECY5:E5 YEAR RECEIVED SSI/SSDI	Cont

1	RADRECY6	RADRECY6:E6 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY7	RADRECY7:E7 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY8	RADRECY8:E8 YEAR RECEIVED SSI/SSDI	Cont
1	RADRECY9	RADRECY9:E9 YEAR RECEIVED SSI/SSDI	Cont
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1	RADENDM9	RADENDM9:E9 MONTH ENDED SSI/SSDI	Cont
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1	RADENDM11	RADENDM11:E11 MONTH ENDED SSI/SSDI	Cont
1	RADENDY1	RADENDY1:E1 YEAR ENDED SSI/SSDI	Cont
1	RADENDY2	RADENDY2:E2 YEAR ENDED SSI/SSDI	Cont
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1	RADENDY5	RADENDY5:E5 YEAR ENDED SSI/SSDI	Cont
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1	RADENDY7	RADENDY7:E7 YEAR ENDED SSI/SSDI	Cont
1	RADENDY8	RADENDY8:E8 YEAR ENDED SSI/SSDI	Cont

1	RADENDY9	RADENDY9:E9 YEAR ENDED SSI/SSDI	Cont
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1	RADENDY11	RADENDY11:E11 YEAR ENDED SSI/SSDI	Cont
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1	RADENDD2	RADENDD2:E2 DATE ENDED SSI/SSDI	Cont
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1	RADENDD7	RADENDD7:E7 DATE ENDED SSI/SSDI	Cont
1	RADENDD8	RADENDD8:E8 DATE ENDED SSI/SSDI	Cont
1	RADENDD9	RADENDD9:E9 DATE ENDED SSI/SSDI	Cont
1	RADENDD10	RADENDD10:E10 DATE ENDED SSI/SSDI	Cont
1	RADENDD11	RADENDD11:E11 DATE ENDED SSI/SSDI	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RADNEPI	42052	0.24	0.62	0.0	11.0
RADTYPE1	7175	2.34	3.32	1.0	21.0
RADTYPE2	2158	3.85	5.12	1.0	23.0
RADTYPE3	554	5.23	6.93	1.0	23.0
RADTYPE4	186	3.59	5.36	1.0	23.0
RADTYPE5	50	2.22	3.44	1.0	23.0
RADTYPE6	19	1.74	0.45	1.0	2.0
RADTYPE7	9	3.78	7.22	1.0	23.0
RADTYPE8	5	1.80	0.45	1.0	2.0
RADTYPE9	3	1.33	0.58	1.0	2.0
RADTYPE10	3	5.33	5.77	2.0	12.0
RADTYPE11	1	2.00	.	2.0	2.0
RADSTAT1	7175	10.58	21.76	1.0	94.0
RADSTAT2	2158	20.14	33.54	1.0	94.0
RADSTAT3	554	18.57	33.10	1.0	94.0

RADSTAT4	186	14.83	29.66	1.0	94.0
RADSTAT5	50	17.74	31.84	1.0	94.0
RADSTAT6	19	13.84	28.32	1.0	94.0
RADSTAT7	9	12.89	29.37	1.0	91.0
RADSTAT8	5	21.00	39.21	1.0	91.0
RADSTAT9	3	2.67	2.89	1.0	6.0
RADSTAT10	3	2.00	1.73	1.0	4.0
RADSTAT11	1	91.00	.	91.0	91.0
RADAPPM1	3830	5.86	3.49	1.0	12.0
RADAPPM2	1134	5.83	3.43	1.0	12.0
RADAPPM3	292	6.02	3.51	1.0	12.0
RADAPPM4	84	5.92	3.33	1.0	12.0
RADAPPM5	26	6.19	3.52	1.0	12.0
RADAPPM6	11	6.82	3.79	1.0	12.0
RADAPPM7	3	3.00	2.00	1.0	5.0
RADAPPM8	1	4.00	.	4.0	4.0
RADAPPM9	2	3.50	0.71	3.0	4.0
RADAPPM10	3	6.33	2.89	3.0	8.0
RADAPPM11	1	8.00	.	8.0	8.0
RADAPPY1	6731	1997.23	11.65	1940.0	2018.0
RADAPPY2	1955	1999.81	9.40	1956.0	2017.0
RADAPPY3	496	2001.44	8.80	1968.0	2016.0
RADAPPY4	164	2003.93	8.31	1978.0	2017.0
RADAPPY5	44	2005.39	8.49	1982.0	2017.0
RADAPPY6	17	2004.53	8.84	1989.0	2016.0
RADAPPY7	8	2000.88	4.42	1995.0	2008.0
RADAPPY8	3	2004.33	3.06	2001.0	2007.0
RADAPPY9	3	2006.33	9.02	1997.0	2015.0
RADAPPY10	3	2011.33	3.21	2009.0	2015.0

RADAPPY11	1	2009.00	.	2009.0	2009.0
RADAPPD1	7175	13611.70	4387.38	-7415.0	21230.0
RADAPPD2	2158	14620.92	3567.63	-3357.0	20925.0
RADAPPD3	554	15323.77	3250.64	220.0	20743.0
RADAPPD4	186	16229.72	3051.20	6741.0	20925.0
RADAPPD5	50	16768.88	2974.35	8225.0	20865.0
RADAPPD6	19	16394.68	3059.28	10782.0	20469.0
RADAPPD7	9	15221.56	1545.71	12973.0	17607.0
RADAPPD8	5	16317.00	769.85	15165.0	17272.0
RADAPPD9	3	17046.33	3235.41	13704.0	20163.0
RADAPPD10	3	18923.67	1089.29	18118.0	20163.0
RADAPPD11	1	18125.00	.	18125.0	18125.0
RADREAM1	1022	5.86	3.28	1.0	12.0
RADREAM2	239	5.51	3.34	1.0	12.0
RADREAM3	58	5.26	3.29	1.0	12.0
RADREAM4	21	6.05	3.68	1.0	12.0
RADREAM5	3	7.33	4.04	5.0	12.0
RADREAM6	4	3.00	0.82	2.0	4.0
RADREAM7	1	2.00	.	2.0	2.0
RADREAM8	1	7.00	.	7.0	7.0
RADREAM9	1	7.00	.	7.0	7.0
RADREAY1	1748	1998.90	10.73	1958.0	2018.0
RADREAY2	387	2001.69	8.53	1968.0	2017.0
RADREAY3	92	2004.07	8.49	1977.0	2017.0
RADREAY4	29	2008.48	6.49	1990.0	2016.0
RADREAY5	5	2010.20	2.77	2007.0	2013.0
RADREAY6	6	2007.67	8.87	1992.0	2016.0
RADREAY7	2	2001.00	4.24	1998.0	2004.0
RADREAY8	1	2007.00	.	2007.0	2007.0
RADREAY9	1	2007.00	.	2007.0	2007.0

RADREAD1	1751	14102.02	3915.77	-715.0	21259.0
RADREAD2	370	15094.93	3119.16	3068.0	20925.0
RADREAD3	81	15837.21	3184.55	6399.0	20743.0
RADREAD4	27	17816.11	2477.21	11147.0	20713.0
RADREAD5	7	18794.29	1055.65	17302.0	20202.0
RADREAD6	5	17633.60	3583.47	11834.0	20590.0
RADREAD7	2	15092.50	1447.45	14069.0	16116.0
RADREAD8	1	17363.00	.	17363.0	17363.0
RADREAD9	1	17363.00	.	17363.0	17363.0
RADRECM1	2417	6.08	3.49	1.0	12.0
RADRECM2	547	6.00	3.70	1.0	12.0
RADRECM3	148	6.00	3.66	1.0	12.0
RADRECM4	37	6.73	3.44	1.0	12.0
RADRECM5	10	7.80	3.39	3.0	12.0
RADRECM6	4	7.00	2.58	4.0	10.0
RADRECM7	2	8.00	2.83	6.0	10.0
RADRECM10	1	8.00	.	8.0	8.0
RADRECY1	3785	1996.49	11.94	1940.0	2018.0
RADRECY2	910	1999.08	9.67	1958.0	2016.0
RADRECY3	206	2000.83	8.76	1971.0	2016.0
RADRECY4	56	2004.20	9.46	1975.0	2016.0
RADRECY5	12	2006.75	12.31	1975.0	2016.0
RADRECY6	5	2004.20	10.40	1992.0	2016.0
RADRECY7	2	2002.00	8.49	1996.0	2008.0
RADRECY10	1	2009.00	.	2009.0	2009.0
RADRECD1	4709	13939.13	4300.61	-7028.0	21200.0
RADRECD2	1130	14596.28	3411.14	-656.0	20713.0
RADRECD3	261	15229.05	3080.71	4033.0	20621.0
RADRECD4	66	16486.41	3313.43	5668.0	20621.0

RADRECD5	16	17567.06	3927.20	5668.0	20621.0
RADRECD6	6	16925.17	3646.95	11878.0	20560.0
RADRECD7	2	15568.50	3012.98	13438.0	17699.0
RADRECD10	1	18133.00	.	18133.0	18133.0
RADENDM1	599	6.02	3.54	1.0	12.0
RADENDM2	165	6.24	3.64	1.0	12.0
RADENDM3	37	7.16	3.51	1.0	12.0
RADENDM4	10	5.40	4.35	1.0	12.0
RADENDY1	761	1998.84	11.33	1918.0	2017.0
RADENDY2	231	2003.87	7.81	1973.0	2017.0
RADENDY3	45	2006.73	6.42	1992.0	2016.0
RADENDY4	11	2010.27	5.69	2000.0	2017.0
RADENDY5	1	2004.00	.	2004.0	2004.0
RADENDD1	1091	14635.93	3932.19	-15113.0	20925.0
RADENDD2	295	16195.96	2690.55	5026.0	20835.0
RADENDD3	65	17059.88	2279.36	11878.0	20529.0
RADENDD4	16	17933.88	2261.25	13597.0	20835.0
RADENDD5	3	16764.33	2201.58	14800.0	19144.0
RADENDD7	1	15013.00	.	15013.0	15013.0

Categorical Variable Codes

RADNEPI: TOTAL NUMBER OF DISABILITY EPISODES

Value	
0	34877
1	5017
2	1604
3	368
4	136
5	31
6	10
7	4
8	2
10	2
11	1

RADTYPE1: 1 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	4321
2.SSI	401
3.SSDI and/or SSI-DK which	2128
12.Applied SSDI => SSI	168
21.Applied SSI => SSDI	157

RADTYPE2: 2 SSDI=1,SSI=2,DK OR BOTH=3

Value	
1.SSDI	486
2.SSI	1034
3.SSDI and/or SSI-DK which	338
12.Applied SSDI => SSI	40
13.Applied SSDI => Both	162
21.Applied SSI => SSDI	47
23.Applied SSI => Both	51

RADTYPE3: 3 SSDI=1,SSI=2,DK OR BOTH=3

Value		
1.SSDI	|	221
2.SSI	|	158
3.SSDI and/or SSI-DK which	|	41
12.Applied SSDI => SSI	|	9
13.Applied SSDI => Both	|	74
21.Applied SSI => SSDI	|	3
23.Applied SSI => Both	|	48

RADTYPE4: 4 SSDI=1,SSI=2,DK OR BOTH=3

Value		
1.SSDI	|	56
2.SSI	|	101
3.SSDI and/or SSI-DK which	|	6
12.Applied SSDI => SSI	|	1
13.Applied SSDI => Both	|	12
21.Applied SSI => SSDI	|	3
23.Applied SSI => Both	|	7

RADTYPE5: 5 SSDI=1,SSI=2,DK OR BOTH=3

Value		
1.SSDI	|	21
2.SSI	|	27
13.Applied SSDI => Both	|	1
23.Applied SSI => Both	|	1

RADTYPE6: 6 SSDI=1,SSI=2,DK OR BOTH=3

Value		
1.SSDI	|	5
2.SSI	|	14

RADTYPE7: 7 SSDI=1,SSI=2,DK OR BOTH=3

Value		
1.SSDI	|	5
2.SSI	|	3
23.Applied SSI => Both	|	1

RADTYPE8: 8 SSDI=1,SSI=2,DK OR BOTH=3

Value		
1.SSDI	|	1
2.SSI	|	4

RADTYPE9: 9 SSDI=1,SSI=2,DK OR BOTH=3

Value		
1.SSDI	|	2
2.SSI	|	1

RADTYPE10: 10 SSDI=1,SSI=2,DK OR BOTH=3

Value		
2.SSI	|	2
12.Applied SSDI => SSI	|	1

RADTYPE11: 11 SSDI=1,SSI=2,DK OR BOTH=3

Value		
2.SSI	|	1

RADSTAT1: 1 EPISODE STATUS

Value	
1.Applied	522
2.Reapplied/Appealed	93
4.Receiving Benefits	3278
5.Stopped receiving benefit	1078
6.Not Awarded Benefits	1480
7.Rejected	184
61.Stop recv from apply	6
62.Stop recv from appeal	1
66.Stop recv from not award	18
74.Receives then denies	151
91.Beg new/no end prv apply	141
92.Beg new/no end prv appea	34
94.Beg new/no end prv recv	189

RADSTAT2: 2 EPISODE STATUS

Value	
1.Applied	332
2.Reapplied/Appealed	17
4.Receiving Benefits	630
5.Stopped receiving benefit	278
6.Not Awarded Benefits	319
7.Rejected	182
61.Stop recv from apply	9
62.Stop recv from appeal	2
66.Stop recv from not award	13
74.Receives then denies	19
91.Beg new/no end prv apply	156
92.Beg new/no end prv appea	14
94.Beg new/no end prv recv	187

RADSTAT3: 3 EPISODE STATUS

Value	
1.Applied	143
2.Reapplied/Appealed	2
4.Receiving Benefits	147
5.Stopped receiving benefit	65
6.Not Awarded Benefits	94
7.Rejected	9
74.Receives then denies	5
91.Beg new/no end prv apply	44
92.Beg new/no end prv appea	1
94.Beg new/no end prv recv	44

 RADSTAT4: 4 EPISODE STATUS

Value	
1.Applied	60
2.Reapplied/Appealed	3
4.Receiving Benefits	41
5.Stopped receiving benefit	16
6.Not Awarded Benefits	40
7.Rejected	2
74.Receives then denies	1
91.Beg new/no end prv apply	12
92.Beg new/no end prv appea	3
94.Beg new/no end prv recv	8

 RADSTAT5: 5 EPISODE STATUS

Value	
1.Applied	12
4.Receiving Benefits	10
5.Stopped receiving benefit	3
6.Not Awarded Benefits	16
7.Rejected	1
74.Receives then denies	1
91.Beg new/no end prv apply	5
94.Beg new/no end prv recv	2

 RADSTAT6: 6 EPISODE STATUS

Value	
1.Applied	4
4.Receiving Benefits	4
6.Not Awarded Benefits	8
7.Rejected	1
94.Beg new/no end prv recv	2

RADSTAT7: 7 EPISODE STATUS

Value		
1.Applied	|	4
4.Receiving Benefits	|	1
5.Stopped receiving benefit	|	1
6.Not Awarded Benefits	|	2
91.Beg new/no end prv apply	|	1

RADSTAT8: 8 EPISODE STATUS

Value		
1.Applied	|	2
6.Not Awarded Benefits	|	2
91.Beg new/no end prv apply	|	1

RADSTAT9: 9 EPISODE STATUS

Value		
1.Applied	|	2
6.Not Awarded Benefits	|	1

RADSTAT10: 10 EPISODE STATUS

Value		
1.Applied		2
4.Receiving Benefits		1

RADSTAT11: 11 EPISODE STATUS		
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Value		
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91.Beg new/no end prv apply		1
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How Constructed

These variables present information about multiple Social Security Disability Insurance (SSDI) and Supplemental Security Income (SSI) disability applications and receipt from all waves of data. A person may apply for SSDI or SSI (or both) multiple times. Each application process is considered a new episode. RADNEPI counts the total number of disability episodes. The other episode variables have suffixes indicating to which episode the information applies. For example, RADSTAT2 gives the status of episode two or the second application seen in the data, and RADAPPY2 gives the year that application was made.

RADTYPE_n indicates whether episode "n" involves SSDI or SSI. If the program type is ambiguous, RADTYPE_n is given a value of 3, "SSDI and/or SSI-DK which." In these cases, it may be that the episode involves either or both programs. Before Wave 5, questions about SSDI and SSI are combined. From Wave 5 forward, the programs are treated separately. If an episode is active at Wave 5 or beyond, the type of application may be determined. However, after Wave 5, there may be inconsistencies in the program from which the Respondent receives benefits. For instance, the Respondent may report receiving benefits from SSDI in Wave 5, then in Wave 6 report that s/he continues to receive benefits, but from SSI. In these cases, RADTYPE_n is set to indicate the ambiguity.

RADSTAT_n indicates the status of episode "n," and expected statuses are: applied, re-applied or appealed, not awarded, receiving, and stopped receiving. Normally, the status of an episode will be receiving, stopped receiving, or not awarded. If the status is applied or re-applied/appealed, the Respondent has not yet reported whether the benefits will be awarded. An episode is considered active if the status is any status except "stopped receiving."

Because of the ambiguity of the question in early waves, a status of "not awarded" does not necessarily mean that the application has been rejected. Information in subsequent waves may inform this status. If a Respondent denies receiving benefits in the current wave and had not reported receiving benefits in the previous wave, we assume the application was rejected (RADSTAT_n=7). Similarly if the Respondent states s/he does not receive benefits but had not previously reported being awarded them, it is assumed that the application was rejected, but with a different status, as there is the possibility benefits were received for a short time (RADSTAT_n=61, 62, 66). If a Respondent denies receiving benefits, and had previously reported that benefits had stopped, the denial confirms the prior situation and the status remains as is. However, if the stop is reported without having ever reported receiving, it is assumed that the application was rejected, i.e., that benefits were never received.

In some cases an episode is unresolved, e.g., there is an active episode, but the thread is dropped. That is, either no information about whether the Respondent is still receiving benefits is given and a new application is begun, or a Respondent indicates having active episodes for both programs, but at the next wave indicates only one. These episodes are given an illogical ending status that indicates what the status was when the thread was dropped (RADSTAT_n=91, 92, 94).

In some cases it is possible that the appropriate follow-up questions at the next interview are not asked, and the episode is thus left somewhat in limbo. These episodes may appear as still active since no further activity is observed. In particular, it is likely that most episodes with a "not awarded" status are rejected applications.

Dates of application, appeal or re-application, receipt, and end of benefits are provided as month and year, and as SAS dates. The month and year variables are set to the values as reported in the raw data, with missing codes recoded to SAS special missings (.D, .R, .M). The SAS date reflects the given month, if not missing, but is logically imputed if the month or year is missing. As the data are processed, lower and upper bounds for the period when an event may have occurred are kept. For example, if the receive month is missing, but an application month is not, the lower bound would be the application month and the upper bound the interview date. The SAS date is the midpoint between the lower and upper bounds.

In some cases the specific months given indicate an illogical order of events, e.g., an application after the benefits begin. We do not attempt to "correct" these illogical sequences. There are about 150 of these among all episodes.

RADAPPM_n and RADAPPY_n are the month and year of application for episode "n." RADAPPD_n is the imputed SAS date for the application. RADREAM_n and RADREAY_n are the month and year of appeal or re-application for episode "n." RADREAD_n is the imputed SAS date for the appeal or re-application. RADRECM_n and RADRECY_n are the month and year when benefits begin for episode "n." RADRECD_n is the imputed SAS date for first receipt of benefits. RADENDM_n and RADENDY_n are the month and year when benefits stop for episode "n." RADENDD_n is the imputed SAS date for when benefits stop.

Spouse variables are not included. There are many variables, and data are rarely populated for both members of a household. We also do not include the lower and upper bound variables. If you have a need for spouse versions of these variables, or for the lower and upper bound dates, please contact us.

See the introduction section "Social Security and SSI Disability Episodes" for further descriptions of how these variables are derived.

Cross Wave Differences in Original HRS Data

The Disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security Disability Insurance (SSDI) or Supplemental Security Income (SSI) in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately.

The general sequence of questions asks whether the Respondent has applied for SSDI/SSI, and if so, when s/he first applied and whether the application was approved. If the application was not approved, questions ask if the Respondent appealed or re-applied, and if so, when and whether this was approved. If either the initial or re-application was approved, questions ask when the Respondent started receiving benefits, whether s/he is still receiving benefits, and if not, when the benefits stopped. Dates are collected as month and year. There are variations on this sequence over time, and the sequence can occur across interviews. For example, a Respondent could apply between Waves 2 and 3, be approved and begin receiving benefits between Waves 3 and 4, and stop receiving benefits between Waves 5 and 6.

In Waves 2A and 3A, questions about disability benefits were not asked due to the older ages of the AHEAD entry cohort. In other waves, there are variations on the general sequence of questions.

In Wave 1, the question asks if the Respondent has ever applied for SSDI or SSI. In Waves 2H, 3H and 4, it asks if the Respondent has applied for disability benefits from any government program since the last interview (or ever if it is the first interview) and if yes, asks which programs with SSDI and SSI presented as one choice. In Wave 5, the wording is the same but applications to SSDI and SSI are separate choices. Beginning in Wave 6, SSDI and SSI are presented as one choice but if indicated, a follow-up question asks which program. From Wave 5 forward, a Respondent may report applying to one or the other or both.

If the Respondent applied, the first month of application is asked. From Wave 2 forward, if that month is before the prior interview, the Respondent is asked for the first month of application since the last interview. If no application was made since the last interview, the rest of the sequence of questions is skipped.

If the Respondent has applied or re-applied for SSDI/SSI, a question asks about the status of the application. In Waves 1, 2, and 3H, the wording of this question is, "Were you awarded benefits then?" From Wave 4 forward, the wording is more specific for new applications: "Was your application accepted, rejected, or is it still being considered?" For those who had applied in a prior wave but had not heard, the question first states that according to the records, the Respondent had applied. It then asks, "Was your [SSDI/SSI] application approved?"

Those who apply for SSDI/SSI at one wave and are still receiving benefits can be asked questions at the subsequent interview. In Waves 2H and 3H, it appears that everyone who applied for SSDI/SSI at the previous interview is asked if they are still receiving benefits, whether or not they were awarded at that earlier time. From Wave 4 forward, questions on whether the Respondent is still receiving benefits are asked only of those who have a preload value indicating that they were receiving benefits at the previous interview. From Wave 3H forward, the Respondent may deny receiving benefits at the previous interview.

From Wave 5 forward, if preload values indicate that the Respondent was receiving benefits at the prior interview, the type of program is collected, and then questions ask if the Respondent is still receiving benefits. In Wave 5 only, the month first received is also collected regardless of whether the Respondent is still receiving benefits or not. Beginning in Wave 7, the type of program also includes SSDI benefits that have converted to Social Security, and the survey asks the month and year the SSDI benefits stopped.

Beginning in Wave 3H, someone who applies for SSDI/SSI may indicate that s/he hadn't yet heard whether benefits will be awarded. Beginning in Wave 4 for those with a preload indicating this situation, questions are included which ask whether the pending application was approved. However, in Wave 4, these questions were inadvertently skipped for all cases. From Wave 5 forward, the Respondent is first asked which program, SSDI or SSI, and then is asked about each program separately. The question sequence asks if the application was approved and then continues in the usual way.

Note that someone continuing to receive benefits may also report a new application.

HRS Variables Used

HRS 1992:

V2713	F1d:MO BECAME DISABLED
V2714	F1d:YR BECAME DISABLED
V4127	J23:NONE:1ST BOTHERED-MO
V4128	J23:NONE:1ST BOTHERED-YR
V4129	J24:NONE:1ST INTERFER-MO
V4130	J24:NONE:1ST INTERFER-YR
V4131	J25:NONE:PREVENTD WRK-MO
V4132	J25:NONE:PREVENTD WRK-YR
V4706	J123:EVR APPLD DISAB BEN
V4707	J123A:MO 1ST APPLIED
V4708	J123A:YR 1ST APPLIED
V4709	J123B:AWARDED BENEFITS
V4710	J123C:APPEAL/APPLY AGAIN
V4711	J123D:MO LST APPLIED
V4712	J123D:YR LAST APPLIED
V4713	J123E:AWARDED BENEFITS
V4714	J123F:MO STRTD RECV BEN
V4715	J123F:YR STRTD RECV BEN
V4719	J123J:STLL RECVNG BENFTS
V4720	J123K:MO BENFST STOPED
V4721	J123K:YR BENEFITS STOPED

HRS 1994:

W3312	FA1f.DISABLED-MONTH
W3313	FA1f.DISABLED-YEAR
W5220	J3.IMPAIRMENT FIRST BEGI
W5221	J3a.IMPAIRMENT FIRST BEG
W5222	J4.INTERFERE W/ WORK-MON
W5223	J4a.INTERFERE W/ WORK-YE
W5224	J6.PREVENT WORK-MONTH
W5225	J6a.PREVENT WORK-YEAR
W5259	J18.STILL RECEIVING SSD/
W5260	J18a.SSD/SSI STOP-MONTH
W5261	J18b.SSD/SSI STOP-YEAR
W5268	J23.APPLY FOR OTHER DISA
W5269	J24.DISABILITY PROGRAM
W5270	J24.DISABILITY PROGRAM
W5271	J24.DISABILITY PROGRAM
W5274	J26a.SSD/SSI APPLY-MONTH
W5275	J26a1.SSD/SSI APPLY-YEAR
W5276	J26a2.FIRST APPLY-MONTH
W5277	J26a3.FIRST APPLY-YEAR

W5278	J26b.AWARDED SSD/SSI THE
W5279	J26c.APPEAL/APPLY LATER
W5280	J26d.SSD/SSI LAST APPLY-
W5281	J26d1.SSD/SSI LAST APPLY
W5282	J26e.AWARDED SSD/SSI THEN
W5283	J26f.SSD/SSI START RECEI
W5284	J26f1.SSD/SSI START RECEI
W5288	J26j.SSD/SSI STILL RECEI
W5289	J26k.SSD/SSI STOP-MONTH
W5290	J26k1.SSD/SSI STOP-YEAR
HRS 1996:	
E2619	G1F.DISABLED-MONTH
E2620	G1G.DISABLED-YEAR
E3523	GD3. FIRST BEGIN-YR
E3524	GD3A. FIRST BEGIN-MONTH
E3526	GD4.INTERFERE-YR
E3527	GD4A. INTERFERE-MONTH
E3528	GD6. PREVENT WORK-YR
E3529	GD6A. PREVENT WORK-MONTH
E3580	GD18. RECEIVE SSD/SSI
E3581	GD18A. SS STOP-MONTH
E3582	GD18B. SS STOP-YR
E3589	GD23. APPLY OTHER DISABILITY
E3595M1	GD24. DISABILITY PROGRAMS
E3595M2	GD24. DISABILITY PROGRAMS
E3595M3	GD24. DISABILITY PROGRAMS
E3596	GD26A. SS APPLY-MONTH
E3597	GD26A1. SS APPLY-YR
E3598	GD26A2. CHECK MONTH
E3599	GD26A3. CHECK YR
E3600	GD26B. SS-AWARD THEN
E3601	GD26C. SS-APPLY AGAIN
E3602	GD26D. SS-LAST APPLY MONTH
E3603	GD26D1. SS-LAST APPLY YR
E3604	GD26E. SS-AWARD THEN
E3605	GD26F. SS RECEIVE-MONTH
E3606	GD26F1. SS RECEIVE-YR
E3614	GD26J. SS-STILL RECEIVING
E3615	GD26K. SS STOP-MONTH
E3616	GD26K1. SS STOP-YR
HRS 1998:	
F3123	G1F.DISABLED-MONTH
F3124	G1G.DISABLED-YEAR
F4033	GD3. FIRST BEGIN-YR
F4034	GD3A. FIRST BEGIN-MONTH
F4036	GD4.INTERFERE-YR
F4037	GD4A. INTERFERE-MONTH
F4038	GD6. PREVENT WORK-YR
F4039	GD6A. PREVENT WORK-MONTH
F4088	GD18. RECEIVE SSD/SSI
F4089	GD18A. SS STOP-MONTH
F4090	GD18B. SS STOP-YR
F4091	GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
F4092	GD18D. MONTH START RECEIVING BENEFITS
F4093	GD18D.1.YEAR START RECEIVING BENEFITS
F4097	GD18G.STILL RECEIVING BENEFITS
F4098	GD18H. MONTH STOPPED RECEIVING BENEFITS
F4099	GD18H.1.YEAR STOPPED RECEIVING BENEFITS
F4123	GD23. APPLY OTHER DISABILITY

F4124M1	GD24. DISABILITY PROGRAMS
F4124M2	GD24. DISABILITY PROGRAMS
F4124M3	GD24. DISABILITY PROGRAMS
F4125	GD26A. SS APPLY-MONTH
F4126	GD26A1. SS APPLY-YR
F4127	GD26A2. CHECK MONTH
F4128	GD26A3. CHECK YR
F4129	GD26B. SS-AWARD THEN
F4130	GD26C. SS-APPLY AGAIN
F4131	GD26D. SS-LAST APPLY MONTH
F4132	GD26D1. SS-LAST APPLY YR
F4133	GD26E. SSI-AWARD THEN
F4134	GD26F. SS RECEIVE-MONTH
F4135	GD26F1. SS RECEIVE-YR
F4139	GD26J. SS-STILL RECEIVING
F4140	GD26K. SS STOP-MONTH
F4141	GD26K1. SS STOP-YR
F4489	GJ123.EVER APPLY FOR SSD OR SSI
F4490	GJ123A.FIRST APPLIED SS - MONTH
F4491	GJ123A1.FIRST APPLIED SS - YEAR
F4492	GJ123B.SS AWARDED BENEFITS
F4493	GJ123C.SS APPEALED OR APPLY AGAIN
F4494	GJ123D.SS APPEALED - MONTH
F4495	GJ123D1.SS APPEALED - YEAR
F4496	GJ123E.SS AWARDED THEN
F4497	GJ123F.SS AWARDED - MONTH
F4498	GJ123F1.SS AWARDED - YEAR
F4502	GJ123J.STILL RECEIVING BENEFITS
F4503	GJ123K.BENEFITS STOPPED - MONTH
F4504	GJ123K1.BENEFITS STOPPED - YEAR
HRS 2000:	
G3373	G1F.DISABLED-MONTH
G3374	G1G.DISABLED-YEAR
G4321	GD3. FIRST BEGIN-YR
G4322	GD3A. FIRST BEGIN-MONTH
G4324	GD4.INTERFERE-YR
G4325	GD4A. INTERFERE-MONTH
G4326	GD6. PREVENT WORK-YR
G4327	GD6A. PREVENT WORK-MONTH
G4373	GD18. RECEIVE SSD/SSI
G4374	GD18AA. REC`D SSDI BENEFITS
G4377	GD18AC. SSDI START-MONTH
G4378	GD18AD. SSDI START-YEAR
G4381	GD18AE. SSDI STOP-MONTH
G4382	GD18AF. SSDI STOP-YR
G4383	GD18BA. REC`D SSI BENEFITS
G4385	GD18BC. SSI START-MONTH
G4386	GD18BD. SSI START-YEAR
G4387	GD18BE. SSI STOP-MONTH
G4388	GD18BF. SSI STOP-YR
G4389	GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
G4390	GD18CA. SSDI APPLICATION APPROVED
G4391	GD18CB. SSDI START-MONTH
G4392	GD18CC. SSDI START-YEAR
G4396	GD18CG.STILL RECEIVING SSDI BENEFITS
G4398	GD18CJ. SSDI STOP-MONTH
G4399	GD18CK. SSDI STOP-YR
G4400	GD18DA. SSDI-APPLY AGAIN
G4401	GD18DB. SSDI-LAST APPLY MONTH

G4402	GD18DC. SSDI-LAST APPLY YR
G4403	GD18DD. SSDI-AWARD THEN
G4404	GD18DE. SSDI START-MONTH
G4405	GD18DF. SSDI START-YEAR
G4409	GD18DK.STILL RECEIVING SSDI BENEFITS
G4411	GD18DN. SSDI STOP-MONTH
G4412	GD18DP. SSDI STOP-YR
G4413	GD18EA. SSI APPLICATION APPROVED
G4414	GD18EB. SSI START-MONTH
G4415	GD18EC. SSI START-YEAR
G4416	GD18ED.STILL RECEIVING SSI BENEFITS
G4418	GD18EF. SSI STOP-MONTH
G4419	GD18EG. SSI STOP-YR
G4420	GD18EH. SSI-APPLY AGAIN
G4421	GD18EJ. SSI-LAST APPLY MONTH
G4422	GD18EK. SSI-LAST APPLY YR
G4423	GD18EM. SSI-AWARD THEN
G4424	GD18EN. SSI START-MONTH
G4425	GD18EP. SSI START-YEAR
G4426	GD18EQ.STILL RECEIVING SSI BENEFITS
G4428	GD18ES. SSI STOP-MONTH
G4429	GD18ET. SSI STOP-YR
G4453	GD23. APPLY OTHER DISABILITY
G4454M1	GD24. DISABILITY PROGRAMS
G4454M2	GD24. DISABILITY PROGRAMS
G4454M3	GD24. DISABILITY PROGRAMS
G4455	GD26A.SSD APPLY-MO
G4456	GD26A1. SSD APPLY-YR
G4457	GD26A2.SSD APPLY SINCE PREV WAVE-MO
G4458	GD26A3.SSD APPL SINCE PREV WAVE-YR
G4459	GD26B.SSD 1ST APPL STATUS
G4460	GD26C.SSD WHETHER APPLIED AGAIN
G4461	GD26D.SSD LAST APPLICATION-MO
G4462	GD26D1.SSD LAST APPLICATION-YR
G4463	GD26E.SSD LAST APPLICATION STATUS
G4464	GD26F.SSD LAST APP BENEFITS START-MO
G4465	GD26F1.SSD LAST APP BENEFITS START-YR
G4466	GD26G.SSD-STILL RECEIVING
G4471	GD26M.SSD BENEFITS STOP-MO
G4472	GD26M1.SSD BENEFITS STOP-YR
G4473	GD27A. SSI APPLY-MONTH
G4474	GD27A1. SSI APPLY-YR
G4475	GD27A2. SSI APPLY SINCE PREV WAVE-MO
G4476	GD27A3. SSI APPLY SINCE PREV WAVE-YR
G4477	GD27B. SSI-AWARD THEN
G4478	GD27C. SSI-APPLY AGAIN
G4479	GD27D. SSI-LAST APPLY MONTH
G4480	GD27D1. SSI-LAST APPLY YR
G4481	GD27E. SSI-AWARD THEN
G4482	GD27F. SSI RECEIVE-MONTH
G4483	GD27F1. SSI RECEIVE-YR
G4484	GD27G. SSI-STILL RECEIVING
G4489	GD27J. SSI STOP-MONTH
G4490	GD27J1. SSI STOP-YR
G4862	GJ123.EVER APPLY FOR SSDI
G4863	GJ123A.FIRST APPLIED SSDI - YEAR
G4864	GJ123A2.FIRST APPLIED SSDI - MONTH
G4865	GJ123B.SSDI AWARDED BENEFITS
G4866	GJ123C.SSDI APPEALED OR APPLY AGAIN

G4867	GJ123D.SSDI APPEALED - YR
G4868	GJ123D2.SSDI APPEALED - MO
G4869	GJ123E.SSDI AWARDED THEN
G4870	GJ123F1.SSDI AWARDED - YEAR
G4871	GJ123F2.SSDI AWARDED - MONTH
G4875	GJ123J.STILL RECEIVING BENEFITS
G4877	GJ123K.BENEFITS STOPPED - YEAR
G4878	GJ123K2.BENEFITS STOPPED - MONTH
G4881	GJ125.EVER APPLY FOR SSI
G4882	GJ125A1.FIRST APPLIED SSI - YEAR
G4883	GJ125A2.FIRST APPLIED SSI - MONTH
G4884	GJ125B.SSI AWARDED BENEFITS
G4885	GJ125C.SSI APPEALED OR APPLY AGAIN
G4886	GJ125D1.SSI APPEALED - YR
G4887	GJ125D2.SSI APPEALED - MO
G4888	GJ125E.SSI AWARDED THEN
G4889	GJ125F1.SSI AWARDED - YEAR
G4890	GJ125F2.SSI AWARDED - MONTH
G4894	GJ125G.STILL RECEIVING BENEFITS
G4896	GJ125J.BENEFITS STOPPED - YEAR
G4897	GJ125K.BENEFITS STOPPED - MONTH
HRS 2002:	
HM030F1	HM030F1 STILL RECEIVING SSDI BENEFITS
HM030F2	HM030F2 STILL RECEIVING SSI BENEFITS
HM030K1	HM030K1 SSDI STOP-MO
HM030K2	HM030K2 SSI STOP-MO
HM030L1	HM030L1 SSDI STOP-YR
HM030L2	HM030L2 SSI STOP-YR
HM032A1	HM032A1 SSDI START-MO
HM032A2	HM032A2 SSDI START-MO
HM032B1	HM032B1 SSDI START-YR
HM032B2	HM032B2 SSDI START-YR
HM032F1	HM032F1 STILL RECEIVING SSDI BENEFITS
HM032F2	HM032F2 STILL RECEIVING SSDI BENEFITS
HM032K1	HM032K1 SSDI STOP-MO
HM032K2	HM032K2 SSDI STOP-MO
HM032L1	HM032L1 SSDI STOP-YR
HM032L2	HM032L2 SSDI STOP-YR
HM032N	HM032N SSDI-APPLY AGAIN
HM032O	HM032O SSDI-LAST APPLY MO
HM032P	HM032P SSDI-LAST APPLY YR
HM032Q	HM032Q SSDI-AWARD THEN
HM033A2	HM033A2 SSI START-MO
HM033B2	HM033B2 SSI START-YR
HM033C1	HM033C1 STILL RECEIVING SSI BENEFITS
HM033C2	HM033C2 STILL RECEIVING SSI BENEFITS
HM033H1	HM033H1 SSI STOP-MO
HM033H2	HM033H2 SSI STOP-MO
HM033I1	HM033I1 SSI STOP-YR
HM033I2	HM033I2 SSI STOP-YR
HM033L	HM033L SSI-APPLY AGAIN
HM033N	HM033N SSI-LAST APPLY MO
HM033O	HM033O SSI-LAST APPLY YR
HM033P	HM033P SSI-AWARD THEN
HM040A	HM040A SSD APPLY-MO
HM040B	HM040B SSD APPLY-YR
HM040C	HM040C SSD APPLY SINCE PREV WAVE-MO
HM040D	HM040D SSD APPLY SINCE PREV WAVE-YR
HM040E	HM040E SSD 1ST APPL STATUS

HM040F	HM040F SSDI-APPLY AGAIN
HM040G	HM040G SSDI-LAST APPLY MO
HM040H	HM040H SSDI-LAST APPLY YR
HM040I	HM040I SSDI-AWARD THEN
HM040J	HM040J SSDI START-MO
HM040K	HM040K SSDI START-YR
HM040P	HM040P STILL RECEIVING SSDI BENEFITS
HM040U	HM040U SSDI STOP-MO
HM040V	HM040VSSDI STOP-YR
HM041A	HM041A SSD APPLY-MO
HM041B	HM041B SSD APPLY-YR
HM041C	HM041C SSD APPLY SINCE PREV WAVE-MO
HM041D	HM041D SSD APPLY SINCE PREV WAVE-YR
HM041F	HM041F SSI-APPLY AGAIN
HM041G	HM041G SSI-LAST APPLY MO
HM041H	HM041H SSI-LAST APPLY YR
HM041I	HM041I SSI-AWARD THEN
HM041J	HM041J SSI START-MO
HM041K	HM041K SSI START-YR
HM041L	HM041L STILL RECEIVING SSI BENEFITS
HM041R	HM041R SSI STOP-MO
HM041S	HM041S SSI STOP-YR
HM042H	HM042H VA-LAST APPLY YR
HM050G	HM050G OTH PROG-LAST APPLY MO
HM648A1	SSDI START MONTH-1
HM648B1	SSDI START YEAR-1
HM648F1	STILL RECEIVING SSDI BENEFITS-1
HM648K1	SSDI STOP MONTH-1
HM648L1	SSDI STOP YEAR-1
HM648N	SSDI-APPLY AGAIN
HM648O	SSDI-LAST APPLY MO
HM648P	SSDI-LAST APPLY YR
HM648Q	SSDI-AWARD THEN
HM654A1	SSI START MONTH-1
HM654B1	SSI START YEAR-1
HM654C1	STILL RECEIVING SSI BENEFITS-1
HM654H1	SSI STOP MONTH-1
HM654I1	SSI STOP YEAR-1
HM654J	SSI-APPLY AGAIN
HM654K	SSI-LAST APPLY MO
HM654L	SSI-LAST APPLY YR
HM654N	SSI-AWARD THEN
HRS 2002-2014:	
xM009	HM009 KEEP FROM WRK1ST BEGIN-YR
xM010	HM010 HEALTH PROBLEM FIRST BOTHER-MO
xM016	HM016 HEALTH PROB PREVENT WRK-YR
xM017	HM017 HEALTH PROB PREVENT WRK-MO
xM651	EVER APPLY FOR SSI
HRS 2002-2016:	
xJ014	DISABLED-MO
xJ015	DISABLED- YR
xM014	HM014 HEALTH PROB INTERFERE-YR
xM015	HM015 HEALTH PROB INTERFERE-MO
xM030	HM030 REC SSDI/SSI/BOTH
xM031	HM031 PRIOR WAVE APPLIED FOR SSDI/SSI
xM032	HM032 SSDI APPLICATION APPROVED
xM033	HM033 SSI APPLICATION APPROVED
xM036	HM036 APPLY OTR DISABILITY
xM037M1	HM037M1 DISABILITY PROGRAMS-1

xM037M2	HM037M2 DISABILITY PROGRAMS-2
xM037M3	HM037M3 DISABILITY PROGRAMS-3
xM041	HM041 SSI-AWARD THEN
xM058	HM058 WHICH DISABILITY PROGRAM
xM645	EVER APPLY FOR SSDI
xM646	1ST APPLIED SSDI - YR
xM647	1ST APPLIED SSDI - MO
xM648	SSDI AWARDED BENEFITS
xM652	1ST APPLIED SSI - YR
xM653	1ST APPLIED SSI - MO
xM654	SSI AWARDED BENEFITS
HRS 2004-2016:	
xM040	HM040E SSD 1ST APPL STATUS
xMW233C	HM032A2 SSDI START-MO -2
xMW233D	HM033A2 SSI START-MO -2
xMW233I	HM040J SSDI START-MO -3
xMW233J	SSI START-MO -3
xMW233Q	HM648A1 SSDI START MONTH-1
xMW233S	HM654A1 SSI START MONTH-1
xMW234C	HM032B2 SSDI START-YR -2
xMW234D	HM041K SSI START-YR -2
xMW234I	HM040K SSDI START-YR -3
xMW234J	SSI START-YR -3
xMW234Q	HM648B1 SSDI START YEAR-1
xMW238A	HM030F1 STILL RECEIVING SSDI BENEFITS -1
xMW238B	HM030F2 STILL RECEIVING SSI BENEFITS-1
xMW238C	HM032F1 STILL RECEIVING SSDI BENEFITS -2
xMW238D	HM033C1 STILL RECEIVING SSI BENEFITS -2
xMW238I	HM040P STILL RECEIVING SSDI BENEFITS -3
xMW238J	HM041L STILL RECEIVING SSI BENEFITS -3
xMW238Q	HM648F1 STILL REC SSDI BENS-1
xMW238S	HM654C1 STILL RECEIVING SSI BENEFITS-1
xMW243A	HM040U SSDI STOP-MO -1
xMW243B	HM030K2 SSI STOP-MO -1
xMW243C	HM032K1 SSDI STOP-MO -2
xMW243D	HM033H1 SSI STOP-MO -2
xMW243I	HM032K2 SSDI STOP-MO -3
xMW243J	HM041R SSI STOP-MO -3
xMW243Q	SSDI STOP MONTH-1
xMW243S	HM654H1 SSI STOP MONTH-1
xMW244A	HM030K1 SSDI STOP-YR
xMW244B	HM030L2 SSI STOP-YR -1
xMW244C	HM030L1 SSDI STOP-YR -2
xMW244D	HM033I1 SSI STOP-YR -2
xMW244I	HM032L1 SSDI STOP-YR -3
xMW244J	HM041S SSI STOP-YR -3
xMW244Q	SSDI STOP YEAR-1
xMW244S	HM654I2 SSI STOP YEAR-1
xMW245A	HM040F SSDI-APPLY AGAIN -1
xMW245B	HM041F SSI-APPLY AGAIN -1
xMW245C	HM032N SSDI-APPLY AGAIN -2
xMW245D	HM033L SSI-APPLY AGAIN -2
xMW245H	HM648N SSDI-APPLY AGAIN-1
xMW245I	HM654J SSI-APPLY AGAIN-1
xMW246A	HM040G SSDI-LAST APPLY MO -1
xMW246B	HM041G SSI-LAST APPLY MO -1
xMW246C	HM032O SSDI-LAST APPLY MO -2
xMW246D	HM033N SSI-LAST APPLY MO -2
xMW246G	HM050G OTH PROG-LAST APPLY MO -1

xMW246H	HM648O SSDI-LAST APPLY MO-1
xMW246I	HM654K SSI-LAST APPLY MO
xMW247A	HM040H SSDI-LAST APPLY YR -1
xMW247B	HM041H SSI-LAST APPLY YR -1
xMW247C	HM032P SSDI-LAST APPLY YR -2
xMW247D	HM033O SSI-LAST APPLY YR -2
xMW247E	HM042H VA-LAST APPLY YR -1
xMW247H	HM648P SSDI-LAST APPLY YR-1
xMW247I	HM654L SSI-LAST APPLY YR-1
xMW248A	HM040I SSDI-AWARD THEN -1
xMW248B	HM041I SSI-AWARD THEN -1
xMW248C	HM032Q SSDI-AWARD THEN -2
xMW248D	HM033P SSI-AWARD THEN -2
xMW248H	HM648Q SSDI-AWARD THEN-1
xMW248I	HM654N SSI-AWARD THEN
xMW249A	HM040A SSD APPLY-MO
xMW249B	HM041A SSI APPLY-MO
xMW250A	HM040B SSD APPLY-YR
xMW250B	HM041B SSI APPLY-YR
xMW251A	HM040C SSD APPLY SINCE PREV WAVE-MO
xMW251B	HM041C SSI APPLY SINCE PREV WAVE-MO
xMW252A	HM040D SSD APPLY SINCE PREV WAVE-YR
xMW252B	HM041D SSI APPLY SINCE PREV WAVE-YR

SSDI, SSI Status (Each Wave)

Wave	Variable	Label	Type
1	R1DSTAT	R1DSTAT:W1 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
2	R2DSTAT	R2DSTAT:W2 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
3	R3DSTAT	R3DSTAT:W3 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
4	R4DSTAT	R4DSTAT:W4 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
5	R5DSTAT	R5DSTAT:W5 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
6	R6DSTAT	R6DSTAT:W6 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
7	R7DSTAT	R7DSTAT:W7 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
8	R8DSTAT	R8DSTAT:W8 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
9	R9DSTAT	R9DSTAT:W9 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
10	R10DSTAT	R10DSTAT:W10 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
11	R11DSTAT	R11DSTAT:W11 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
12	R12DSTAT	R12DSTAT:W12 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
13	R13DSTAT	R13DSTAT:W13 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
1	S1DSTAT	S1DSTAT:W1 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
2	S2DSTAT	S2DSTAT:W2 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
3	S3DSTAT	S3DSTAT:W3 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
4	S4DSTAT	S4DSTAT:W4 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
5	S5DSTAT	S5DSTAT:W5 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
6	S6DSTAT	S6DSTAT:W6 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
7	S7DSTAT	S7DSTAT:W7 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
8	S8DSTAT	S8DSTAT:W8 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
9	S9DSTAT	S9DSTAT:W9 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
10	S10DSTAT	S10DSTAT:W10 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
11	S11DSTAT	S11DSTAT:W11 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
12	S12DSTAT	S12DSTAT:W12 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ
13	S13DSTAT	S13DSTAT:W13 'POSITION 1=DK, 2=SSDI, 3=SSI'	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DSTAT	12652	9.75	42.29	0.0	200.0
R2DSTAT	11420	11.07	43.62	0.0	200.0
R3DSTAT	10964	13.06	46.91	0.0	200.0
R4DSTAT	21384	8.25	36.75	0.0	200.0
R5DSTAT	19578	4.39	24.62	0.0	200.0
R6DSTAT	18165	2.96	18.29	0.0	200.0
R7DSTAT	20129	2.73	17.03	0.0	200.0
R8DSTAT	18469	2.53	15.90	0.0	200.0
R9DSTAT	17217	2.51	15.92	0.0	200.0
R10DSTAT	22034	2.43	13.65	0.0	200.0
R11DSTAT	20554	2.47	13.44	0.0	200.0
R12DSTAT	18747	2.55	13.28	0.0	200.0
R13DSTAT	20912	2.56	11.34	0.0	200.0
S1DSTAT	9900	7.48	37.25	0.0	200.0
S2DSTAT	8741	8.30	37.84	0.0	200.0
S3DSTAT	8308	10.03	41.37	0.0	200.0
S4DSTAT	13980	6.65	32.67	0.0	200.0
S5DSTAT	12730	3.88	23.18	0.0	200.0
S6DSTAT	11639	2.58	16.73	0.0	200.0
S7DSTAT	12972	2.28	15.13	0.0	200.0
S8DSTAT	11735	2.10	13.99	0.0	200.0
S9DSTAT	10646	2.00	13.67	0.0	200.0
S10DSTAT	13513	1.83	11.56	0.0	200.0

S11DSTAT	12488	1.86	11.17	0.0	200.0
S12DSTAT	11012	1.90	11.21	0.0	200.0
S13DSTAT	11779	1.80	9.25	0.0	200.0

Categorical Variable Codes

RwdSTAT: 'POSITION 1=DK, 2=SSDI, 3=SSI'											
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10	
.Q=Not asked this wv		8222	7027								
0.No activity	11827	10453	9869	19713	18039	16829	18574	17011	15852	19908	
1.Applying SSI		3		7	21	24	34	39	44	43	
2.Receiving SSI	48	57	64	162	240	202	227	238	222	280	
10.Applying SSDI		14		46	111	82	129	117	128	208	
11.Applying SSDI + SSI					7	22	52	51	53	97	
12.Apply SSDI/Recv SSI					9	9	3	8	5	11	
20.Receiving SSDI	165	218	257	470	622	643	753	715	644	1104	
21.Recv SSDI/Apply SSI					2	1	3	5	3	11	
22.Recv SSDI + SSI					74	88	108	84	82	214	
100.Applying DK which	24	132	169	310	206	156	141	120	107	89	
200.Receiving DK which	588	543	605	676	247	109	105	81	77	69	

Value	w11	w12	w13
.Q=Not asked this wv			
0.No activity	18393	16658	18326
1.Applying SSI	52	59	52
2.Receiving SSI	343	278	250
10.Applying SSDI	228	244	361
11.Applying SSDI + SSI	111	132	115
12.Apply SSDI/Recv SSI	7	9	10
20.Receiving SSDI	1073	1038	1506
21.Recv SSDI/Apply SSI	5	11	12
22.Recv SSDI + SSI	198	193	180
100.Applying DK which	83	71	64
200.Receiving DK which	61	54	36

SwDSTAT: 'POSITION 1=DK, 2=SSDI, 3=SSI'

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	10517	9361	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	322	536	311	220	380	317	365	722
0.No activity	|	9414	8186	7681	13062	11886	10908	12156	10974	9969	12532
1.Applying SSI	|		1		2	12	12	15	16	18	19
2.Receiving SSI	|	14	14	17	41	69	63	67	74	71	88
10.Applying SSDI	|		5		34	72	55	92	76	72	113
11.Applying SSDI + SSI	|					4	10	24	26	26	44
12.Apply SSDI/Recv SSI	|					7	5	2	4	3	4
20.Receiving SSDI	|	106	144	158	320	404	416	451	428	377	560
21.Recv SSDI/Apply SSI	|							2	4	2	6
22.Recv SSDI + SSI	|					20	23	27	29	21	77
100.Applying DK which	|	13	86	103	181	113	91	87	67	54	41
200.Receiving DK which	|	353	305	349	340	143	56	49	37	33	29

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No activity	|	11485	10083	10735
1.Applying SSI	|	24	31	25
2.Receiving SSI	|	118	93	70
10.Applying SSDI	|	123	133	168
11.Applying SSDI + SSI	|	57	46	45
12.Apply SSDI/Recv SSI	|	3	4	3
20.Receiving SSDI	|	542	500	635
21.Recv SSDI/Apply SSI	|	4	8	8
22.Recv SSDI + SSI	|	68	63	55
100.Applying DK which	|	41	29	22
200.Receiving DK which	|	23	22	13

How Constructed

RwDSTAT indicates whether a Respondent is receiving or applying for disability benefits through Social Security Disability Insurance (SSDI) and/or Supplemental Security Income (SSI) at Wave "w." It is a three-digit variable, where the ones-digit indicates the status of SSI, the tens-digit indicates the status of SSDI, and the hundreds-digit indicates the status of SSDI/SSI where we do not know which program. A one in the appropriate digit indicates that the Respondent has applied but has not been awarded or rejected. A two indicates that the Respondent is receiving benefits, and a zero indicates neither applying nor receiving. For example, 12 means that the Respondent is applying for SSDI and receiving SSI benefits, and 100 indicates the Respondent is applying for SSDI or SSI or both, but we do not know which program.

Before Wave 5, SSDI and SSI are combined in the survey questions. From Wave 5 forward, these programs are treated separately. If the Respondent first reports an application, reapplication, or receipt for SSDI or SSI before Wave 5, we do not know which program is involved. If the receipt or application remains active until Wave 5 or beyond, the Respondent is asked which program, and the statuses for SSDI and SSI can be reported distinctly. In some cases a Respondent reports receiving (or applying for) benefits from SSDI in Wave 5 and reports still receiving benefits at Wave 6, but then reports that the benefits are from SSI or vice versa. In these cases, status is reported for the program type reported in the current wave. For example, if the Wave 5 program is SSDI and the Wave 6 program is SSI, then the Wave 5 status is reported for SSDI, and then in Wave 6, for SSI.

SwDSTAT indicates whether the Respondent's spouse is receiving or applying for SSDI or SSI at Wave "w." It is taken from the spouse's self-reported RwDSTAT for Wave "w."

In Wave 2A and 3A, there are no comparable questions, and so for members of the AHEAD cohort, R2DSTAT and R3DSTAT are set to .Q to indicate that no information is available.

For more detailed information on disability applications and benefit receipt, please see the "SSDI/SSI Disability Episodes" variables.

Cross Wave Differences in Original HRS Data

The Disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security Disability Insurance (SSDI) or Supplemental Security Income (SSI) in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately.

In Wave 1, a question asks if the Respondent has ever applied for SSDI or SSI, and if yes, whether s/he is currently receiving benefits. If not, another question asks whether s/he has appealed or re-applied and if so, whether the re-application was approved.

In Waves 2H, 3H and 4, it asks if the Respondent has applied for disability benefits from any government program since the last interview (or ever if it is the first interview) and if yes, asks which program(s). In the answers, SSDI and SSI are listed together. If the Respondent reports applying for SSDI/SSI, then the questions follow the same pattern as in Wave 1.

From Wave 5 forward, the question wording is the same but separate questions are asked for the two programs. If the Respondent reports applying for but not receiving SSDI benefits, a question then asks whether s/he has appealed or re-applied for SSDI, and if so, when the last re-application was made. If an SSI application without approval is reported, then another question asks if s/he has appealed or re-applied for SSI and if so, when the last re-application was made.

After Wave 1, re-interviewed Respondents are asked questions about the status of previously reported SSDI/SSI benefit receipt. From Wave 4 forward, re-interviewed Respondents are asked about the status of applications made but unresolved at the prior wave. If a Respondent had applied for SSDI/SSI in a previous wave and the application was still pending, s/he is asked if it was approved. From Wave 5 forward, s/he is first asked what type of benefit was applied for or received, SSDI or SSI. From Wave 5 forward, if the prior wave application was not approved, the Respondent is asked if s/he has appealed or reapplied. These questions are asked before the questions about applying since last interview described above.

In Wave 2A and 3A, there are no comparable questions.

HRS Variables Used

HRS 1992:

V4706	J123:EVR APPLD DISAB BEN
V4709	J123B:AWARDED BENEFITS
V4710	J123C:APPEAL/APPLY AGAIN
V4713	J123E:AWARDED BENEFITS
V4719	J123J:STLL RECVNG BENFTS

HRS 1994:

W5259	J18.STILL RECEIVING SSD/
W5268	J23.APPLY FOR OTHER DISA
W5269	J24.DISABILITY PROGRAM
W5270	J24.DISABILITY PROGRAM
W5271	J24.DISABILITY PROGRAM
W5278	J26b.AWARDED SSD/SSI THE
W5279	J26c.APPEAL/APPLY LATER
W5282	J26e.AWARDED SSD/SSI THEN
W5288	J26j.SSD/SSI STILL RECEI

HRS 1996:

E3580	GD18. RECEIVE SSD/SSI
E3589	GD23. APPLY OTHER DISABILITY
E3595M1	GD24. DISABILITY PROGRAMS
E3595M2	GD24. DISABILITY PROGRAMS
E3595M3	GD24. DISABILITY PROGRAMS
E3600	GD26B. SS-AWARD THEN

E3601	GD26C. SS-APPLY AGAIN
E3604	GD26E. SS-AWARD THEN
E3614	GD26J. SS-STILL RECEIVING
HRS 1998:	
F4088	GD18. RECEIVE SSD/SSI
F4091	GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
F4097	GD18G.STILL RECEIVING BENEFITS
F4123	GD23. APPLY OTHER DISABILITY
F4124M1	GD24. DISABILITY PROGRAMS
F4124M2	GD24. DISABILITY PROGRAMS
F4124M3	GD24. DISABILITY PROGRAMS
F4129	GD26B. SS-AWARD THEN
F4130	GD26C. SS-APPLY AGAIN
F4133	GD26E. SSI-AWARD THEN
F4139	GD26J. SS-STILL RECEIVING
F4489	GJ123.EVER APPLY FOR SSD OR SSI
F4492	GJ123B.SS AWARDED BENEFITS
F4493	GJ123C.SS APPEALED OR APPLY AGAIN
F4496	GJ123E.SS AWARDED THEN
F4502	GJ123J.STILL RECEIVING BENEFITS
HRS 2000:	
G4373	GD18. RECEIVE SSD/SSI
G4374	GD18AA. REC`D SSDI BENEFITS
G4383	GD18BA. REC`D SSI BENEFITS
G4389	GD18C.PRIOR WAVE APPLIED FOR SSDI/SSI
G4390	GD18CA. SSDI APPLICATION APPROVED
G4396	GD18CG.STILL RECEIVING SSDI BENEFITS
G4400	GD18DA. SSDI-APPLY AGAIN
G4403	GD18DD. SSDI-AWARD THEN
G4409	GD18DK.STILL RECEIVING SSDI BENEFITS
G4413	GD18EA. SSI APPLICATION APPROVED
G4416	GD18ED.STILL RECEIVING SSI BENEFITS
G4420	GD18EH. SSI-APPLY AGAIN
G4423	GD18EM. SSI-AWARD THEN
G4426	GD18EQ.STILL RECEIVING SSI BENEFITS
G4453	GD23. APPLY OTHER DISABILITY
G4454M1	GD24. DISABILITY PROGRAMS
G4454M2	GD24. DISABILITY PROGRAMS
G4454M3	GD24. DISABILITY PROGRAMS
G4459	GD26B.SSD 1ST APPL STATUS
G4460	GD26C.SSD WHETHER APPLIED AGAIN
G4463	GD26E.SSD LAST APPLICATION STATUS
G4466	GD26G.SSD-STILL RECEIVING
G4477	GD27B. SSI-AWARD THEN
G4478	GD27C. SSI-APPLY AGAIN
G4481	GD27E. SSI-AWARD THEN
G4484	GD27G. SSI-STILL RECEIVING
G4862	GJ123.EVER APPLY FOR SSDI
G4865	GJ123B.SSDI AWARDED BENEFITS
G4866	GJ123C.SSDI APPEALED OR APPLY AGAIN
G4869	GJ123E.SSDI AWARDED THEN
G4875	GJ123J.STILL RECEIVING BENEFITS
G4881	GJ125.EVER APPLY FOR SSI
G4884	GJ125B.SSI AWARDED BENEFITS
G4885	GJ125C.SSI APPEALED OR APPLY AGAIN
G4888	GJ125E.SSI AWARDED THEN
G4894	GJ125G.STILL RECEIVING BENEFITS
HRS 2002:	
HM032F1	HM032F1 STILL RECEIVING SSDI BENEFITS

HM032F2	HM032F2 STILL RECEIVING SSDI BENEFITS
HM032N	HM032N SSDI-APPLY AGAIN
HM032Q	HM032Q SSDI-AWARD THEN
HM033C1	HM033C1 STILL RECEIVING SSI BENEFITS
HM033C2	HM033C2 STILL RECEIVING SSI BENEFITS
HM033L	HM033L SSI-APPLY AGAIN
HM033P	HM033P SSI-AWARD THEN
HM040E	HM040E SSD 1ST APPL STATUS
HM040I	HM040I SSDI-AWARD THEN
HM041I	HM041I SSI-AWARD THEN
HM648F1	STILL RECEIVING SSDI BENEFITS-1
HM648N	SSDI-APPLY AGAIN
HM648Q	SSDI-AWARD THEN
HM654A1	SSI START MONTH-1
HM654B1	SSI START YEAR-1
HM654C1	STILL RECEIVING SSI BENEFITS-1
HM654J	SSI-APPLY AGAIN
HM654N	SSI-AWARD THEN
HRS 2002-2014:	
xM651	EVER APPLY FOR SSI
HRS 2002-2016:	
xM032	HM032 SSDI APPLICATION APPROVED
xM033	HM033 SSI APPLICATION APPROVED
xM037M1	HM037M1 DISABILITY PROGRAMS-1
xM037M2	HM037M2 DISABILITY PROGRAMS-2
xM037M3	HM037M3 DISABILITY PROGRAMS-3
xM041	HM041 SSI-AWARD THEN
xM058	HM058 WHICH DISABILITY PROGRAM
xM645	EVER APPLY FOR SSDI
xM648	SSDI AWARDED BENEFITS
xM654	SSI AWARDED BENEFITS
HRS 2004-2016:	
xM040	HM040E SSD 1ST APPL STATUS
xMW233S	HM654A1 SSI START MONTH-1
xMW238C	HM032F1 STILL RECEIVING SSDI BENEFITS -2
xMW238D	HM033C1 STILL RECEIVING SSI BENEFITS -2
xMW238Q	HM648F1 STILL REC SSDI BENS-1
xMW238S	HM654C1 STILL RECEIVING SSI BENEFITS-1
xMW244S	HM654I2 SSI STOP YEAR-1
xMW245B	HM041F SSI-APPLY AGAIN -1
xMW245C	HM032N SSDI-APPLY AGAIN -2
xMW245D	HM033L SSI-APPLY AGAIN -2
xMW245H	HM648N SSDI-APPLY AGAIN-1
xMW245I	HM654J SSI-APPLY AGAIN-1
xMW248A	HM040I SSDI-AWARD THEN -1
xMW248B	HM041I SSI-AWARD THEN -1
xMW248C	HM032Q SSDI-AWARD THEN -2
xMW248D	HM033P SSI-AWARD THEN -2
xMW248H	HM648Q SSDI-AWARD THEN-1
xMW248I	HM654N SSI-AWARD THEN

Respondent is Receiving SSDI (Each Wave)

Wave	Variable	Label	Type
1	R1SSDI	R1SSDI:W1 R IS RECEIVING SSDI	Categ
2	R2SSDI	R2SSDI:W2 R IS RECEIVING SSDI	Categ
3	R3SSDI	R3SSDI:W3 R IS RECEIVING SSDI	Categ
4	R4SSDI	R4SSDI:W4 R IS RECEIVING SSDI	Categ
5	R5SSDI	R5SSDI:W5 R IS RECEIVING SSDI	Categ
6	R6SSDI	R6SSDI:W6 R IS RECEIVING SSDI	Categ
7	R7SSDI	R7SSDI:W7 R IS RECEIVING SSDI	Categ
8	R8SSDI	R8SSDI:W8 R IS RECEIVING SSDI	Categ
9	R9SSDI	R9SSDI:W9 R IS RECEIVING SSDI	Categ
10	R10SSDI	R10SSDI:W10 R IS RECEIVING SSDI	Categ
11	R11SSDI	R11SSDI:W11 R IS RECEIVING SSDI	Categ
12	R12SSDI	R12SSDI:W12 R IS RECEIVING SSDI	Categ
13	R13SSDI	R13SSDI:W13 R IS RECEIVING SSDI	Categ
1	S1SSDI	S1SSDI:W1 S IS RECEIVING SSDI	Categ
2	S2SSDI	S2SSDI:W2 S IS RECEIVING SSDI	Categ
3	S3SSDI	S3SSDI:W3 S IS RECEIVING SSDI	Categ
4	S4SSDI	S4SSDI:W4 S IS RECEIVING SSDI	Categ
5	S5SSDI	S5SSDI:W5 S IS RECEIVING SSDI	Categ
6	S6SSDI	S6SSDI:W6 S IS RECEIVING SSDI	Categ
7	S7SSDI	S7SSDI:W7 S IS RECEIVING SSDI	Categ
8	S8SSDI	S8SSDI:W8 S IS RECEIVING SSDI	Categ
9	S9SSDI	S9SSDI:W9 S IS RECEIVING SSDI	Categ
10	S10SSDI	S10SSDI:W10 S IS RECEIVING SSDI	Categ
11	S11SSDI	S11SSDI:W11 S IS RECEIVING SSDI	Categ
12	S12SSDI	S12SSDI:W12 S IS RECEIVING SSDI	Categ
13	S13SSDI	S13SSDI:W13 S IS RECEIVING SSDI	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SSDI	12652	0.04	0.20	0.0	1.0
R2SSDI	19642	0.04	0.19	0.0	1.0
R3SSDI	17991	0.04	0.19	0.0	1.0
R4SSDI	21384	0.03	0.18	0.0	1.0
R5SSDI	19578	0.04	0.19	0.0	1.0
R6SSDI	18165	0.04	0.20	0.0	1.0
R7SSDI	20129	0.05	0.21	0.0	1.0
R8SSDI	18469	0.05	0.21	0.0	1.0
R9SSDI	17217	0.04	0.21	0.0	1.0
R10SSDI	22034	0.06	0.24	0.0	1.0
R11SSDI	20554	0.06	0.24	0.0	1.0
R12SSDI	18747	0.07	0.25	0.0	1.0
R13SSDI	20912	0.08	0.28	0.0	1.0
S1SSDI	9900	0.04	0.19	0.0	1.0
S2SSDI	13090	0.03	0.18	0.0	1.0
S3SSDI	11917	0.03	0.18	0.0	1.0
S4SSDI	13980	0.03	0.17	0.0	1.0
S5SSDI	12730	0.03	0.18	0.0	1.0
S6SSDI	11639	0.04	0.20	0.0	1.0
S7SSDI	12972	0.04	0.19	0.0	1.0
S8SSDI	11735	0.04	0.20	0.0	1.0
S9SSDI	10646	0.04	0.20	0.0	1.0
S10SSDI	13513	0.05	0.22	0.0	1.0

S11SSDI	12488	0.05	0.22	0.0	1.0
S12SSDI	11012	0.05	0.22	0.0	1.0
S13SSDI	11779	0.06	0.24	0.0	1.0

Categorical Variable Codes

RwSSDI: R IS RECEIVING SSDI											
Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No	|	12102	18918	17282	20701	18874	17382	19217	17591	16444	20642
1.Yes	|	550	724	709	683	704	783	912	878	773	1392
Value	|	w11	w12	w13							
0.No	|	19253	17478	19170							
1.Yes	|	1301	1269	1742							
SwSSDI: S IS RECEIVING SSDI											
Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No	|	9533	12659	11518	13550	12304	11161	12462	11220	10218	12831
1.Yes	|	367	431	399	430	426	478	510	515	428	682
Value	|	w11	w12	w13							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	11859	10426	11062							
1.Yes	|	629	586	717							

How Constructed

RwSSDI indicates whether a Respondent is receiving benefits from Social Security Disability Insurance (SSDI) at Wave "w." It is derived from RwDSTAT (SSDI, SSI Status, from Disability section) and RwIOSDI (Receives SSDI, See the RAND HRS Detailed Imputations File Codebook, available on the HRS website <http://hrsonline.isr.umich.edu>).

RwSSDI is set to yes (=1) if RwDSTAT equals "20.Receiving SSDI", "21.Receiving SSDI/Applying SSI", or "22.Receiving SSDI and SSI." We do not assign RwSSDI to be yes if we cannot determine which program is involved. For more information, please refer to the documentation for RwDSTAT.

RwSSDI is also set to yes (=1) if RwIOSDI is "1.Receives Income from SSDI." This variable does include imputed values. The imputation flag RwIFSDI indicates whether the component is imputed, and if so, how much information is available for imputation. For more information about RwIOSDI and RwIFSDI, please refer to the RAND HRS Detailed Imputations File Codebook, available on the HRS website <http://hrsonline.isr.umich.edu>.

SwSSDI indicates whether the Respondent's spouse is receiving benefits from SSDI at Wave "w." It is taken from the spouse's

self-reported RwSSDI for Wave "w."

For more detailed information on disability applications and benefit receipt, please see the "SSDI/SSI Disability Episodes" variables.

Cross Wave Differences in Original HRS Data

The Disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security Disability Insurance (SSDI) or Supplemental Security Income (SSI) in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately. If we cannot determine which disability program is involved, RwSSDI is not set to yes.

The Assets and Income section of the HRS also asks questions about whether the Respondent has applied for SSDI in every wave. Receipt of benefits in the Assets and Income section are based on the last calendar year, unlike the Disability section, where benefits are reported from the Respondent's last interview.

SSDI, SSI Amount Receiving (Each Wave)

Wave	Variable	Label	Type
5	R5DSSAMT	R5DSSAMT:W5 AMT RECEIVED LAST MONTH SSDI	Cont
6	R6DSSAMT	R6DSSAMT:W6 AMT RECEIVED LAST MONTH SSDI	Cont
7	R7DSSAMT	R7DSSAMT:W7 AMT RECEIVED LAST MONTH SSDI	Cont
8	R8DSSAMT	R8DSSAMT:W8 AMT RECEIVED LAST MONTH SSDI	Cont
9	R9DSSAMT	R9DSSAMT:W9 AMT RECEIVED LAST MONTH SSDI	Cont
10	R10DSSAMT	R10DSSAMT:W10 AMT RECEIVED LAST MONTH SSDI	Cont
11	R11DSSAMT	R11DSSAMT:W11 AMT RECEIVED LAST MONTH SSDI	Cont
12	R12DSSAMT	R12DSSAMT:W12 AMT RECEIVED LAST MONTH SSDI	Cont
13	R13DSSAMT	R13DSSAMT:W13 AMT RECEIVED LAST MONTH SSDI	Cont
5	S5DSSAMT	S5DSSAMT:W5 AMT RECEIVED LAST MONTH SSDI	Cont
6	S6DSSAMT	S6DSSAMT:W6 AMT RECEIVED LAST MONTH SSDI	Cont
7	S7DSSAMT	S7DSSAMT:W7 AMT RECEIVED LAST MONTH SSDI	Cont
8	S8DSSAMT	S8DSSAMT:W8 AMT RECEIVED LAST MONTH SSDI	Cont
9	S9DSSAMT	S9DSSAMT:W9 AMT RECEIVED LAST MONTH SSDI	Cont
10	S10DSSAMT	S10DSSAMT:W10 AMT RECEIVED LAST MONTH SSDI	Cont
11	S11DSSAMT	S11DSSAMT:W11 AMT RECEIVED LAST MONTH SSDI	Cont
12	S12DSSAMT	S12DSSAMT:W12 AMT RECEIVED LAST MONTH SSDI	Cont
13	S13DSSAMT	S13DSSAMT:W13 AMT RECEIVED LAST MONTH SSDI	Cont
5	R5DSIAMT	R5DSIAMT:W5 AMT RECEIVED LAST MONTH SSI	Cont
6	R6DSIAMT	R6DSIAMT:W6 AMT RECEIVED LAST MONTH SSI	Cont
7	R7DSIAMT	R7DSIAMT:W7 AMT RECEIVED LAST MONTH SSI	Cont
8	R8DSIAMT	R8DSIAMT:W8 AMT RECEIVED LAST MONTH SSI	Cont
9	R9DSIAMT	R9DSIAMT:W9 AMT RECEIVED LAST MONTH SSI	Cont
10	R10DSIAMT	R10DSIAMT:W10 AMT RECEIVED LAST MONTH SSI	Cont
11	R11DSIAMT	R11DSIAMT:W11 AMT RECEIVED LAST MONTH SSI	Cont
12	R12DSIAMT	R12DSIAMT:W12 AMT RECEIVED LAST MONTH SSI	Cont
13	R13DSIAMT	R13DSIAMT:W13 AMT RECEIVED LAST MONTH SSI	Cont
5	S5DSIAMT	S5DSIAMT:W5 AMT RECEIVED LAST MONTH SSI	Cont
6	S6DSIAMT	S6DSIAMT:W6 AMT RECEIVED LAST MONTH SSI	Cont
7	S7DSIAMT	S7DSIAMT:W7 AMT RECEIVED LAST MONTH SSI	Cont
8	S8DSIAMT	S8DSIAMT:W8 AMT RECEIVED LAST MONTH SSI	Cont
9	S9DSIAMT	S9DSIAMT:W9 AMT RECEIVED LAST MONTH SSI	Cont
10	S10DSIAMT	S10DSIAMT:W10 AMT RECEIVED LAST MONTH SSI	Cont
11	S11DSIAMT	S11DSIAMT:W11 AMT RECEIVED LAST MONTH SSI	Cont
12	S12DSIAMT	S12DSIAMT:W12 AMT RECEIVED LAST MONTH SSI	Cont
13	S13DSIAMT	S13DSIAMT:W13 AMT RECEIVED LAST MONTH SSI	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R5DSSAMT	686	684.92	328.92	0.0	1744.0
R6DSSAMT	770	755.57	352.62	0.0	3000.0
R7DSSAMT	685	817.51	439.43	0.0	7000.0
R8DSSAMT	746	860.40	396.43	0.0	2800.0
R9DSSAMT	636	913.06	429.57	0.0	3200.0
R10DSSAMT	1189	946.20	436.50	0.0	3500.0
R11DSSAMT	1091	1025.79	533.95	0.0	6000.0
R12DSSAMT	1062	1054.69	529.50	0.0	8250.0
R13DSSAMT	1538	1019.62	490.87	0.0	3700.0
S5DSSAMT	415	725.75	340.68	0.0	1744.0
S6DSSAMT	490	795.79	375.22	0.0	3000.0
S7DSSAMT	387	880.72	496.79	0.0	7000.0
S8DSSAMT	452	913.54	415.46	0.0	2800.0
S9DSSAMT	366	962.83	444.35	0.0	3200.0
S10DSSAMT	591	980.23	479.06	0.0	3500.0

S11DSSAMT	543	1078.45	550.85	0.0	4187.0
S12DSSAMT	502	1127.88	627.23	0.0	8250.0
S13DSSAMT	679	1074.68	549.95	0.0	3700.0
R5DSIAMT	298	376.20	244.77	0.0	1384.0
R6DSIAMT	292	374.00	275.88	0.0	1900.0
R7DSIAMT	252	415.96	266.54	0.0	1667.0
R8DSIAMT	272	454.18	313.53	0.0	2000.0
R9DSIAMT	247	507.31	339.40	0.0	1800.0
R10DSIAMT	453	558.81	579.02	0.0	9996.0
R11DSIAMT	464	582.35	484.10	0.0	5000.0
R12DSIAMT	407	551.07	443.55	0.0	6000.0
R13DSIAMT	482	607.06	560.41	0.0	8600.0
S5DSIAMT	86	387.78	268.60	0.0	1384.0
S6DSIAMT	94	396.49	335.26	0.0	1900.0
S7DSIAMT	77	398.66	281.19	8.0	1667.0
S8DSIAMT	90	433.29	371.35	0.0	2000.0
S9DSIAMT	87	523.84	392.47	4.0	1800.0
S10DSIAMT	160	593.26	863.04	0.0	9996.0
S11DSIAMT	167	610.34	617.81	0.0	5000.0
S12DSIAMT	144	588.90	550.59	0.0	6000.0
S13DSIAMT	145	669.95	813.24	0.0	8600.0

How Constructed

RwDSSAMT is the amount a Respondent reports receiving from Social Security Disability Insurance (SSDI) at Wave "w." RwDSIAMT is the amount a Respondent reports receiving from Supplemental Security Income (SSI) disability at Wave "w." These variables are available beginning in Wave 5. They are simply taken from the amounts reported in the raw data and recoded for missing values. Please note a respondent reports a value for R10DSIAMT of 9996. While this is close in proximity to raw variable special missing values of 9998 and 9999, 9996 is a possible valid value and has been verified by HRS.

A Respondent may be receiving benefits from either program or both. A separate variable RwDSTAT indicates whether a Respondent is receiving benefits at Wave "w." Please see "SSDI/SSI Status" for information on the RwDSTAT variables. If benefits ended between the current and prior interview, the amount reported is for the last month when benefits were received.

SwDSSAMT and SwDSIAMT are the amounts the Respondent's spouse is receiving from, respectively, SSDI and SSI, at Wave "w." It is taken from the spouse's self-reported RwDSSAMT and RwDSIAMT for Wave "w."

For more detailed information on disability applications and benefit receipt please see the "SSDI/SSI Disability Episodes" variables.

Cross Wave Differences in Original HRS Data

The Disability section of the HRS asks questions about whether the Respondent has applied for disability benefits from Social Security Disability Insurance (SSDI) or Supplemental Security Income (SSI) in every wave. Before Wave 5, the questions ask about the two programs together. From Wave 5 forward, the questions ask about the programs separately.

Beginning in Wave 5, Respondents who are receiving SSDI or SSI benefits are asked how much they receive each month. If they report benefits have stopped, they are asked how much they received in the last month that they received benefits. Beginning in Wave 7, it is also recorded whether an SSDI benefit has converted to Social Security (OASDI). Those who converted to Social Security have SSDI as their disability type, and the amount they received for disability is for their last month with SSDI.

HRS Variables Used

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HRS 2000:
G4375      GD18AB. SSDI AMOUNT REC`D
G4384      GD18BB. SSI AMOUNT REC`D
G4397      GD18CH. SSDI AMOUNT REC`D
G4410      GD18DM. SSDI AMOUNT REC`D
G4417      GD18EE. SSI AMOUNT REC`D
G4427      GD18ER. SSI AMOUNT REC`D
G4467      GD26H.SSD AMOUNT REC`D
G4485      GD27H.SSI AMOUNT REC`D
G4876      GJ123JA. SSDI BENEFITS AMOUNT REC`D
G4895      GJ125H. SSI BENEFITS AMOUNT REC`D

HRS 2002:
HM030G1    HM030G1 SSDI AMOUNT REC_D
HM030G2    HM030G2 SSI AMOUNT REC_D
HM032G1    HM032G1 SSDI AMOUNT REC_D
HM032G2    HM032G2 SSDI AMOUNT REC_D
HM033D1    HM033D1 SSI AMOUNT REC_D
HM033D2    HM033D2 SSI AMOUNT REC_D
HM040Q     HM040Q SSDI AMOUNT REC_D
HM041N     HM041N SSI AMOUNT REC_D
HM648G1    SSDI AMOUNT RECEIVED-1
HM654D1    SSI AMOUNT RECEIVED-1

HRS 2004-2016:
xMW239A    HM040Q SSDI AMOUNT REC_D -1
xMW239B    HM030G2 SSI AMOUNT REC_D -1
xMW239C    HM032G1 SSDI AMOUNT REC_D -2
xMW239D    HM033D1 SSI AMOUNT REC_D -2
xMW239I    HM030G1 SSDI AMOUNT REC_D -3
xMW239J    HM041N SSI AMOUNT REC_D -3
xMW239Q    HM648G1 SSDI AMOUNT RECEIVED-1
xMW239S    HM654D1 SSI AMOUNT RECEIVED-1

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Predicted SS wealth of Pre-retirees
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Wave	Variable	Label	Type
1	H1SSWRER	H1SSWRER:W1 Total household SS wealth, all claiming at 62	Cont
4	H4SSWRER	H4SSWRER:W4 Total household SS wealth, all claiming at 62	Cont
7	H7SSWRER	H7SSWRER:W7 Total household SS wealth, all claiming at 62	Cont
10	H10SSWRER	H10SSWRER:W10 Total household SS wealth, all claiming at 62	Cont
1	R1SSWRER	R1SSWRER:W1 R SS wealth based on own earnings, claiming at 62	Cont
4	R4SSWRER	R4SSWRER:W4 R SS wealth based on own earnings, claiming at 62	Cont
7	R7SSWRER	R7SSWRER:W7 R SS wealth based on own earnings, claiming at 62	Cont
10	R10SSWRER	R10SSWRER:W10 R SS wealth based on own earnings, claiming at 62	Cont
1	S1SSWRER	S1SSWRER:W1 S SS wealth based on own earnings, claiming at 62	Cont
4	S4SSWRER	S4SSWRER:W4 S SS wealth based on own earnings, claiming at 62	Cont
7	S7SSWRER	S7SSWRER:W7 S SS wealth based on own earnings, claiming at 62	Cont
10	S10SSWRER	S10SSWRER:W10 S SS wealth based on own earnings, claiming at 62	Cont
1	H1SSWRNR	H1SSWRNR:W1 Total household SS wealth, all claiming at NRA	Cont
4	H4SSWRNR	H4SSWRNR:W4 Total household SS wealth, all claiming at NRA	Cont
7	H7SSWRNR	H7SSWRNR:W7 Total household SS wealth, all claiming at NRA	Cont
10	H10SSWRNR	H10SSWRNR:W10 Total household SS wealth, all claiming at NRA	Cont
1	R1SSWRNR	R1SSWRNR:W1 R SS wealth based on own earnings, claiming at NRA	Cont
4	R4SSWRNR	R4SSWRNR:W4 R SS wealth based on own earnings, claiming at NRA	Cont
7	R7SSWRNR	R7SSWRNR:W7 R SS wealth based on own earnings, claiming at NRA	Cont
10	R10SSWRNR	R10SSWRNR:W10 R SS wealth based on own earnings, claiming at NRA	Cont
1	S1SSWRNR	S1SSWRNR:W1 S SS wealth based on own earnings, claiming at NRA	Cont
4	S4SSWRNR	S4SSWRNR:W4 S SS wealth based on own earnings, claiming at NRA	Cont
7	S7SSWRNR	S7SSWRNR:W7 S SS wealth based on own earnings, claiming at NRA	Cont
10	S10SSWRNR	S10SSWRNR:W10 S SS wealth based on own earnings, claiming at NRA	Cont
1	H1SSWRXA	H1SSWRXA:W1 Total household SS wealth, all claiming at 70	Cont
4	H4SSWRXA	H4SSWRXA:W4 Total household SS wealth, all claiming at 70	Cont
7	H7SSWRXA	H7SSWRXA:W7 Total household SS wealth, all claiming at 70	Cont
10	H10SSWRXA	H10SSWRXA:W10 Total household SS wealth, all claiming at 70	Cont
1	R1SSWRXA	R1SSWRXA:W1 R SS wealth based on own earnings, claiming at 70	Cont
4	R4SSWRXA	R4SSWRXA:W4 R SS wealth based on own earnings, claiming at 70	Cont
7	R7SSWRXA	R7SSWRXA:W7 R SS wealth based on own earnings, claiming at 70	Cont
10	R10SSWRXA	R10SSWRXA:W10 R SS wealth based on own earnings, claiming at 70	Cont
1	S1SSWRXA	S1SSWRXA:W1 S SS wealth based on own earnings, claiming at 70	Cont
4	S4SSWRXA	S4SSWRXA:W4 S SS wealth based on own earnings, claiming at 70	Cont
7	S7SSWRXA	S7SSWRXA:W7 S SS wealth based on own earnings, claiming at 70	Cont
10	S10SSWRXA	S10SSWRXA:W10 S SS wealth based on own earnings, claiming at 70	Cont
10	R10SSWSER	R10SSWSER:W10 R SSW from spouse/survival benefits, claim at 62	Cont
10	S10SSWSER	S10SSWSER:W10 S SSW from spouse/survival benefits, claim at 62	Cont
10	R10SSWSNR	R10SSWSNR:W10 R SSW from spouse/survival benefits, claim at NRA	Cont
10	S10SSWSNR	S10SSWSNR:W10 S SSW from spouse/survival benefits, claim at NRA	Cont
10	R10SSWSXA	R10SSWSXA:W10 R SSW from spouse/survival benefits, claim at 70	Cont
10	S10SSWSXA	S10SSWSXA:W10 S SSW from spouse/survival benefits, claim at 70	Cont
1	R1CLAIMED	R1CLAIMED:W1 R already claiming SS benefits	Categ
4	R4CLAIMED	R4CLAIMED:W4 R already claiming SS benefits	Categ
7	R7CLAIMED	R7CLAIMED:W7 R already claiming SS benefits	Categ
10	R10CLAIMED	R10CLAIMED:W10 R already claiming SS benefits	Categ
1	S1CLAIMED	S1CLAIMED:W1 S already claiming SS benefits	Categ
4	S4CLAIMED	S4CLAIMED:W4 S already claiming SS benefits	Categ
7	S7CLAIMED	S7CLAIMED:W7 S already claiming SS benefits	Categ
10	S10CLAIMED	S10CLAIMED:W10 S already claiming SS benefits	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1SSWRER	12651	132684.89	74056.78	0.0	306000.0
H4SSWRER	22860	53703.94	81403.47	0.0	361600.0
H7SSWRER	21815	66817.09	109032.81	0.0	487400.0
H10SSWRER	10625	199236.01	141047.82	0.0	738100.0
R1SSWRER	10689	77037.63	37867.15	0.0	181700.0
R4SSWRER	8157	84558.34	43525.46	0.0	200400.0
R7SSWRER	6831	112040.27	60095.97	0.0	329000.0
R10SSWRER	9027	130875.32	73610.87	0.0	280900.0
S1SSWRER	8216	78285.94	37854.74	0.0	181700.0
S4SSWRER	4670	88831.24	43790.48	0.0	200400.0
S7SSWRER	5045	114668.50	59640.66	0.0	329000.0
S10SSWRER	6075	132496.10	73638.75	0.0	280900.0
H1SSWRNR	12651	150827.73	80658.84	0.0	385900.0
H4SSWRNR	22860	70537.88	95157.64	0.0	413800.0
H7SSWRNR	21815	93107.57	131082.80	0.0	612900.0
H10SSWRNR	10625	235958.07	145774.41	0.0	936700.0
R1SSWRNR	11088	80153.21	40438.75	0.0	215700.0
R4SSWRNR	9584	95013.17	47408.85	0.0	251000.0
R7SSWRNR	8402	122763.04	64446.90	0.0	347700.0
R10SSWRNR	10178	141186.63	81306.38	0.0	313700.0
S1SSWRNR	8600	81554.49	40363.56	0.0	215700.0
S4SSWRNR	5462	99106.77	47380.87	0.0	232000.0
S7SSWRNR	6061	124665.42	63647.81	0.0	347700.0
S10SSWRNR	6838	143410.82	81280.65	0.0	313700.0
H1SSWRXA	12651	153945.25	78306.39	0.0	400200.0
H4SSWRXA	22860	86470.80	99923.44	0.0	469400.0
H7SSWRXA	21815	113671.84	140697.68	0.0	605300.0
H10SSWRXA	10625	244740.14	143579.64	0.0	915700.0
R1SSWRXA	11336	77840.26	36609.72	0.0	200100.0
R4SSWRXA	11477	92332.26	45878.87	0.0	236900.0
R7SSWRXA	9982	123940.73	64096.28	0.0	351900.0
R10SSWRXA	10625	142261.73	83591.32	0.0	319400.0
S1SSWRXA	8831	78799.30	36138.50	0.0	198000.0
S4SSWRXA	6324	94947.87	44557.06	0.0	235500.0
S7SSWRXA	6983	125609.67	62804.69	0.0	351900.0
S10SSWRXA	7129	144675.59	83371.60	0.0	319400.0
R10SSWSER	5415	16988.24	31039.94	0.0	145600.0
S10SSWSER	5361	17038.44	31091.11	0.0	145600.0
R10SSWSNR	5849	15809.45	27684.46	0.0	128800.0

S10SSWSNR	5788	15860.33	27740.64	0.0	128800.0
R10SSWSXA	5982	15090.79	25617.83	0.0	117400.0
S10SSWSXA	5917	15142.20	25672.07	0.0	117400.0
R1CLAIMED	12651	0.02	0.14	0.0	1.0
R4CLAIMED	22860	0.08	0.28	0.0	1.0
R7CLAIMED	21815	0.17	0.38	0.0	1.0
R10CLAIMED	22032	0.52	0.50	0.0	1.0
S1CLAIMED	12651	0.02	0.14	0.0	1.0
S4CLAIMED	22860	0.05	0.21	0.0	1.0
S7CLAIMED	21815	0.13	0.33	0.0	1.0
S10CLAIMED	11518	0.48	0.50	0.0	1.0

Categorical Variable Codes

RwCLAIMED: R already claiming SS benefits

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	1									2
0.No	|	12399			20933			18056			10625
1.Yes	|	252			1927			3759			11407

Value		w11	w12	w13
.M=Oth missing	|			
0.No	|			
1.Yes	|			

SwCLAIMED: S already claiming SS benefits

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|										2848
.U=Unmarried	|	1									7668
0.No	|	12400			21769			19077			5982
1.Yes	|	251			1091			2738			5536

Value		w11	w12	w13
.M=Oth missing	|			
.U=Unmarried	|			
0.No	|			
1.Yes	|			

How Constructed

The Prospective Social Security Wealth Measures of Pre-Retirees are taken directly from the HRS Prospective Social Security Wealth Measures of Pre-Retirees File (v.5.0) and the Prospective Social Security Wealth Measures of Pre-Retirees Wave 10 File (v.1.0).

These measures are constructed from the Employment sections of the HRS 1992 (Wave 1), HRS 1998 (Wave 4), HRS 2004 (Wave 7), and HRS 2010 (Wave 10) and are only calculated for individuals who have not yet retired (as evidenced by claiming SS benefits). Analysts interested in SS wealth for current retirees should apply for access to the restricted version of the SS wealth file from HRS directly.

Please refer to the Prospective Social Security Wealth Measures of Pre-Retirees documentation for [Waves 1, 4, and 7](#) and [Wave 10](#) for more details.

RwSSWRER is the Respondent's predicted SS wealth based on the retirement insurance benefit and is calculated based on Respondent's own earnings records, assuming a claim age of 62. RwSSWRNR is the same calculation assuming a full retirement claim age, and RwSSWRXA is the calculation assuming a claim age of 70.

In Wave 10, there are three additional variables. R10SSWSER is the Respondent's predicted SS wealth based on the retirement insurance benefit and is calculated based on their spouses survival benefit, assuming a claim age of 62. R10SSWSNR is the same calculation assuming a full retirement claim age, and R10SSWSXA is the calculation assuming a claim age of 70.

SwSSWRER, SwSSWRNR, SwSSWRXA, S10SSWSER, S10SSWSNR, S10SSWSXA are the analogous spouse variables.

For all of the Respondent SS wealth variables, if the Respondent's age is at or above the assumed claim age, then the variable is set to .A=N/A due to age. If the Respondent has already claimed Social Security, the variable is set to .C=Already Claimed. If the value is missing for any other reason, then the variable is set to .M=Other Missing. The Spouse SS wealth variables also use these missing values along with .U=Unmarried and .V=Spouse NR.

HwSSWRER is the sum of the Respondent's retirement insurance wealth, Respondent's incremental auxiliary spouse benefit wealth, Respondent's incremental survivor benefit wealth, spouse's incremental retirement insurance benefit wealth, spouse's incremental auxiliary spouse benefit wealth, and spouse's incremental survivor benefit wealth, all assuming both Respondent and spouse claim at age 62. HwSSWRNR uses the same summation, but assuming both Respondent and spouse claim at their respective full retirement ages. HwSSWRXA use the same summation, but assuming both Respondent and spouse claim at age 70.

RwCLAIMED is an indicator variable equal to one if the Respondent has already claimed SS benefits as of the wave date. If RwCLAIMED=1, then all Respondent retirement insurance benefit wealth variables will be missing.

Cross Wave Differences in Original HRS Data

The Social Security wealth measures of pre-retirees are only available for in Waves 1, 4, 7, and 10. The calculations based on spouses survival benefit are only available in Wave 10.

Section F: Pension

Currently receiving any pension income

Wave	Variable	Label	Type
2	R2PENINC	R2PENINC:W2 R current receiving pension income	Categ
3	R3PENINC	R3PENINC:W3 R current receiving pension income	Categ
4	R4PENINC	R4PENINC:W4 R current receiving pension income	Categ
5	R5PENINC	R5PENINC:W5 R current receiving pension income	Categ
6	R6PENINC	R6PENINC:W6 R current receiving pension income	Categ
7	R7PENINC	R7PENINC:W7 R current receiving pension income	Categ
8	R8PENINC	R8PENINC:W8 R current receiving pension income	Categ
9	R9PENINC	R9PENINC:W9 R current receiving pension income	Categ
10	R10PENINC	R10PENINC:W10 R current receiving pension income	Categ
11	R11PENINC	R11PENINC:W11 R current receiving pension income	Categ
12	R12PENINC	R12PENINC:W12 R current receiving pension income	Categ
13	R13PENINC	R13PENINC:W13 R current receiving pension income	Categ
2	S2PENINC	S2PENINC:W2 S current receiving pension income	Categ
3	S3PENINC	S3PENINC:W3 S current receiving pension income	Categ
4	S4PENINC	S4PENINC:W4 S current receiving pension income	Categ
5	S5PENINC	S5PENINC:W5 S current receiving pension income	Categ
6	S6PENINC	S6PENINC:W6 S current receiving pension income	Categ
7	S7PENINC	S7PENINC:W7 S current receiving pension income	Categ
8	S8PENINC	S8PENINC:W8 S current receiving pension income	Categ
9	S9PENINC	S9PENINC:W9 S current receiving pension income	Categ
10	S10PENINC	S10PENINC:W10 S current receiving pension income	Categ
11	S11PENINC	S11PENINC:W11 S current receiving pension income	Categ
12	S12PENINC	S12PENINC:W12 S current receiving pension income	Categ
13	S13PENINC	S13PENINC:W13 S current receiving pension income	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PENINC	11272	0.16	0.36	0.0	1.0
R3PENINC	17735	0.27	0.44	0.0	1.0
R4PENINC	20963	0.26	0.44	0.0	1.0
R5PENINC	19238	0.29	0.46	0.0	1.0
R6PENINC	17879	0.30	0.46	0.0	1.0
R7PENINC	19839	0.26	0.44	0.0	1.0
R8PENINC	18225	0.27	0.45	0.0	1.0
R9PENINC	16963	0.27	0.45	0.0	1.0
R10PENINC	21396	0.19	0.39	0.0	1.0
R11PENINC	20199	0.22	0.42	0.0	1.0
R12PENINC	18366	0.24	0.43	0.0	1.0
R13PENINC	20340	0.21	0.40	0.0	1.0
S2PENINC	9014	0.16	0.37	0.0	1.0
S3PENINC	12230	0.24	0.43	0.0	1.0
S4PENINC	14215	0.24	0.42	0.0	1.0
S5PENINC	12849	0.26	0.44	0.0	1.0
S6PENINC	11690	0.27	0.44	0.0	1.0
S7PENINC	13176	0.23	0.42	0.0	1.0
S8PENINC	11898	0.24	0.43	0.0	1.0
S9PENINC	10841	0.24	0.43	0.0	1.0
S10PENINC	13786	0.16	0.37	0.0	1.0
S11PENINC	12842	0.11	0.32	0.0	1.0
S12PENINC	11384	0.15	0.35	0.0	1.0
S13PENINC	12488	0.12	0.33	0.0	1.0

Categorical Variable Codes

RwPENINC: R current receiving pension income

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			25	27	39	40	60	37	43	47
.M=Oth missing		148	149	219	139	47	90	65	76	420
.Q=Not asked this wv		8222								
.R=RF			82	175	162	199	140	142	135	171
0.No		9508	12976	15409	13563	12517	14616	13260	12303	17374
1.Yes		1764	4759	5554	5675	5362	5223	4965	4660	4022

Value	w11	w12	w13
.D=DK/NA	43	56	33
.M=Oth missing	172	199	380
.Q=Not asked this wv			
.R=RF	140	126	159
0.No	15710	13994	16168
1.Yes	4489	4372	4172

SwPENINC: S current receiving pension income

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			11	13	18	13	21	14	17	17
.M=Oth missing		111	106	194	94	38	77	52	63	329
.Q=Not asked this wv		4549								
.R=RF			51	118	103	133	93	90	92	109
.U=Unmarried		5968	5593	6844	6514	6291	6762	6415	6204	7793
.V=Spouse NR										
0.No		7586	9267	10865	9469	8552	10140	9020	8187	11553
1.Yes		1428	2963	3350	3380	3138	3036	2878	2654	2233

Value	w11	w12	w13
.D=DK/NA	22	23	14
.M=Oth missing	139	145	298
.Q=Not asked this wv			
.R=RF	73	74	101
.U=Unmarried	7471	7106	7992
.V=Spouse NR	7	15	19
0.No	11384	9705	10986
1.Yes	1458	1679	1502

General Comments

For Waves 1-10, receipt of pension income variables are based on information given about pensions in the Assets and Income section and do not consider information given about past pensions in the Employment section. The relevant pension questions are reported at the household-level and are asked only of the Financial Respondent about the Financial Respondent's pension income and, if married, the Financial Respondent's spouse's pension income. Adjustments are made when these measures are merged to the Respondent level, depending on whether the Respondent is the Financial Respondent or not. If the Respondent is the Financial Respondent, then measures concerning the Financial Respondent are assigned to the Respondent and those about the Financial Respondent's spouse are assigned to the Respondent's spouse. But if the Respondent is not the Financial Respondent, then measures about the Financial Respondent are assigned to the Respondent's spouse and those concerning the Financial Respondent's spouse are assigned to the Respondent.

Beginning in Wave 11, the questionnaire introduced a stand-alone Pension section, and information from this section is used to generate pension income variables when information from the Assets and Income section is not available. In the Pension section, relevant questions are reported at the pension level and are asked of both Financial and non-Financial Respondents who are currently working or who have previously reported having employer-provided pension plans.

How Constructed

RwPENINC indicates whether the Respondent is currently receiving any pension income. SwPENINC provides the information for the Respondent's spouse or partner.

In Wave 2H and from Wave 3 forward, if the Respondent or both the Respondent and spouse/partner are currently receiving pension income, then RwPENINC is set to yes (=1). If no one or only the spouse/partner is receiving pension income, then RwPENINC is set to no (=0).

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income Section. Using data from the Pension section, RwPENINC is set to yes (=1) if the Respondent indicates that s/he receives any income from up to ten individual pension plans. If the Respondent does not indicate receiving income from any plans, RwPENINC is set to no (=0).

Otherwise, RwPENINC is set to a missing value based on missing values in HRS variables.

If the spouse/partner or both are currently receiving pension income, then SwPENINC is set to yes (=1). If no one or only the Respondent is receiving pension income, then SwPENINC is set to no (=0). Otherwise, SwPENINC is set to a missing value based on missing values in HRS variables.

If the Respondent is not married, SwPENINC is set to .U=unmarried.

These variables are included to provide context to the measure about continuation of a pension after death. Since that question is not asked in Waves 1 and 2A, the measure is not included for these earlier waves at this time. See the "Whether pensions can continue" section for more information.

Cross Wave Differences in Original HRS Data

The question wording in the Assets and Income Section is consistent across waves. There are two questions that ask whether the Financial Respondent and/or spouse are currently receiving pension income.

The first question asks: "Are you (or your (husband/wife/partner)) currently receiving an income from retirement pensions?" If yes, a subsequent question asks: "Who receives that?" The answers may be "RESPONDENT ONLY," "SPOUSE/PARTNER ONLY" or "BOTH."

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income section. The question, "Are you currently receiving regular payments from your [plan name]?" is asked of both the Financial and non-Financial Respondent if s/he reports having an employer-provided pension plan. The question wording is consistent from Wave 11 forward.

HRS Variables Used

HRS 1994:

W6071	N20.RETIREMENT PENSIONS?
WR6072	N20a.WHO RECEIVES PENSIO/ Self

AHEAD 1995:

D4191	J30.RET PENSION
DR4192	J30a.WHO RECD PENSION / R

HRS 1996:
E4209 J127.RET PENSION
ER4210 J128.WHO RECD PENSION/Self
HRS 1998:
F4969 J127.RET PENSION
FR4970 J128.WHO RECD PENSION/Self
HRS 2000:
G5424 J127.RET PENSION
GR5425 J128.WHO RECD PENSION/Self
HRS 2002-2016:
xQ215 PENSION RETIREMENT INCOME
xQR216 WHO REC PENSION RETIREMENT INC/Self
HRS 2012-2016:
xJ2W108_1 STARTED RECEIVING ANNUITY -1_1
xJ2W108_10 STARTED RECEIVING ANNUITY -1_10
xJ2W108_2 STARTED RECEIVING ANNUITY -1_2
xJ2W108_3 STARTED RECEIVING ANNUITY -1_3
xJ2W108_4 STARTED RECEIVING ANNUITY -1_4
xJ2W108_5 STARTED RECEIVING ANNUITY -1_5
xJ2W108_6 STARTED RECEIVING ANNUITY -1_6
xJ2W108_7 STARTED RECEIVING ANNUITY -1_7
xJ2W108_8 STARTED RECEIVING ANNUITY -1_8
xJ2W108_9 STARTED RECEIVING ANNUITY -1_9
xJ2W426_1 RECEIVING BENEFITS -1_1
xJ2W426_10 RECEIVING BENEFITS -1_10
xJ2W426_2 RECEIVING BENEFITS -1_2
xJ2W426_3 RECEIVING BENEFITS -1_3
xJ2W426_4 RECEIVING BENEFITS -1_4
xJ2W426_5 RECEIVING BENEFITS -1_5
xJ2W426_6 RECEIVING BENEFITS -1_6
xJ2W426_7 RECEIVING BENEFITS -1_7
xJ2W426_8 RECEIVING BENEFITS -1_8
xJ2W426_9 RECEIVING BENEFITS -1_9
xJ2W440_1 PLAN STATUS-CONVERTED TO ANNUITY -1_1
xJ2W440_10 PLAN STATUS-CONVERTED TO ANNUITY -1_10
xJ2W440_2 PLAN STATUS-CONVERTED TO ANNUITY -1_2
xJ2W440_3 PLAN STATUS-CONVERTED TO ANNUITY -1_3
xJ2W440_4 PLAN STATUS-CONVERTED TO ANNUITY -1_4
xJ2W440_5 PLAN STATUS-CONVERTED TO ANNUITY -1_5
xJ2W440_6 PLAN STATUS-CONVERTED TO ANNUITY -1_6
xJ2W440_7 PLAN STATUS-CONVERTED TO ANNUITY -1_7
xJ2W440_8 PLAN STATUS-CONVERTED TO ANNUITY -1_8
xJ2W440_9 PLAN STATUS-CONVERTED TO ANNUITY -1_9

Number of pensions currently receive

Wave	Variable	Label	Type
2	R2PENI_N	R2PENI_N:W2 # pensions R receives income	Categ
3	R3PENI_N	R3PENI_N:W3 # pensions R receives income	Categ
4	R4PENI_N	R4PENI_N:W4 # pensions R receives income	Categ
5	R5PENI_N	R5PENI_N:W5 # pensions R receives income	Categ
6	R6PENI_N	R6PENI_N:W6 # pensions R receives income	Categ
7	R7PENI_N	R7PENI_N:W7 # pensions R receives income	Categ
8	R8PENI_N	R8PENI_N:W8 # pensions R receives income	Categ
9	R9PENI_N	R9PENI_N:W9 # pensions R receives income	Categ
10	R10PENI_N	R10PENI_N:W10 # pensions R receives income	Categ
11	R11PENI_N	R11PENI_N:W11 # pensions R receives income	Categ
12	R12PENI_N	R12PENI_N:W12 # pensions R receives income	Categ
13	R13PENI_N	R13PENI_N:W13 # pensions R receives income	Categ
2	S2PENI_N	S2PENI_N:W2 # pensions S receives income	Categ
3	S3PENI_N	S3PENI_N:W3 # pensions S receives income	Categ
4	S4PENI_N	S4PENI_N:W4 # pensions S receives income	Categ
5	S5PENI_N	S5PENI_N:W5 # pensions S receives income	Categ
6	S6PENI_N	S6PENI_N:W6 # pensions S receives income	Categ
7	S7PENI_N	S7PENI_N:W7 # pensions S receives income	Categ
8	S8PENI_N	S8PENI_N:W8 # pensions S receives income	Categ
9	S9PENI_N	S9PENI_N:W9 # pensions S receives income	Categ
10	S10PENI_N	S10PENI_N:W10 # pensions S receives income	Categ
11	S11PENI_N	S11PENI_N:W11 # pensions S receives income	Categ
12	S12PENI_N	S12PENI_N:W12 # pensions S receives income	Categ
13	S13PENI_N	S13PENI_N:W13 # pensions S receives income	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PENI_N	1757	1.12	0.36	1.0	4.0
R3PENI_N	4742	1.11	0.36	1.0	5.0
R4PENI_N	5543	1.12	0.37	1.0	4.0
R5PENI_N	5670	1.13	0.38	1.0	6.0
R6PENI_N	5357	1.13	0.37	1.0	5.0
R7PENI_N	5217	1.15	0.40	1.0	4.0
R8PENI_N	4960	1.14	0.39	1.0	4.0
R9PENI_N	4655	1.15	0.42	1.0	4.0
R10PENI_N	4011	1.19	0.45	1.0	4.0
R11PENI_N	4483	1.17	0.43	1.0	5.0
R12PENI_N	4367	1.17	0.45	1.0	5.0
R13PENI_N	4166	1.17	0.44	1.0	5.0
S2PENI_N	1421	1.12	0.37	1.0	4.0
S3PENI_N	2952	1.11	0.36	1.0	5.0
S4PENI_N	3341	1.11	0.36	1.0	4.0
S5PENI_N	3378	1.11	0.36	1.0	4.0
S6PENI_N	3137	1.11	0.35	1.0	5.0
S7PENI_N	3033	1.14	0.39	1.0	4.0
S8PENI_N	2874	1.12	0.37	1.0	4.0
S9PENI_N	2652	1.14	0.39	1.0	4.0
S10PENI_N	2227	1.16	0.43	1.0	4.0
S11PENI_N	1733	0.96	0.56	0.0	4.0
S12PENI_N	1858	1.05	0.53	0.0	4.0
S13PENI_N	1694	1.04	0.55	0.0	5.0

Categorical Variable Codes

RwPENI_N: # pensions R receives income											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			3	11	5	1	3		1	2	5
.M=Oth missing			3		2	2		4		2	2
.Q=Not asked this wv			8222								
.R=RF			1		4	2	2	2	4	1	4
.Z=Whether pen inc=no or mi			9656	13232	15830	13903	12803	14906	13504	12557	18012
1			1577	4256	4954	5043	4748	4531	4330	4026	3363
2			161	440	523	558	550	622	567	552	566
3			15	39	54	57	53	49	53	66	69
4			4	6	12	11	5	15	10	11	13
5				1			1				
6						1					

Value	w11	w12	w13
.D=DK	3		1
.M=Oth missing	1	1	
.Q=Not asked this wv			
.R=RF	2	4	5
.Z=Whether pen inc=no or mi	16065	14375	16740
1	3822	3705	3541
2	582	574	542
3	67	76	74
4	10	10	8
5	2	2	1
6			

SwPENI_N: # pensions S receives income											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			3	7	4				1	1	3
.M=Oth missing			3		3	1		2		1	1
.Q=Not asked this wv			4549								
.R=RF			1	4	2	1	1	1	3		2
.U=Unmarried			5968	5593	6844	6514	6291	6762	6415	6204	7793
.V=Spouse NR											
.Z=Whether pen inc=no or mi			7697	9435	11190	9684	8736	10331	9176	8359	12008
0											
1			1268	2669	3026	3054	2816	2660	2568	2334	1907
2			136	249	275	285	291	336	272	278	279
3			14	29	35	33	27	29	28	35	36
4			3	4	5	6	2	8	6	5	5
5				1			1				

Value	w11	w12	w13
.D=DK	1		2
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			1
.U=Unmarried	7471	7106	7992
.V=Spouse NR	7	15	19
.Z=Whether pen inc=no or mi	11342	9768	11204
0	276	179	195
1	1276	1446	1272
2	159	204	203
3	19	25	20

4	|	3	4	3
5	|			1

General Comments

For Waves 1-10, receipt of pension income variables are based on information given about pensions in the Assets and Income section and do not consider information given about past pensions in the Employment section. The relevant pension questions are reported at the household-level and are asked only of the Financial Respondent about the Financial Respondent's pension income and, if married, the Financial Respondent's spouse's pension income. Adjustments are made when these measures are merged to the Respondent level, depending on whether the Respondent is the Financial Respondent or not. If the Respondent is the Financial Respondent, then measures concerning the Financial Respondent are assigned to the Respondent, and those about the Financial Respondent's spouse are assigned to the Respondent's spouse. But if the Respondent is not the Financial Respondent, then measures about the Financial Respondent are assigned to the Respondent's spouse and those concerning the Financial Respondent's spouse are assigned to the Respondent.

Beginning in Wave 11, the questionnaire introduced a standalone Pension section, and information from this section is used to generate pension income variables when information from the Assets and Income section is not available. In the Pension section, relevant questions are reported at the pension level and are asked of both Financial and non-Financial Respondents who are currently working or who have previously reported having employer-provided pension plans.

How Constructed

RwPENI_N indicates the number pension plans from which the Respondent is currently receiving income. SwPENI_N provides this information for the Respondent's spouse or partner.

In Wave 2H and from Wave 3 forward, a series of questions are asked in the Assets and Income section concerning the number of pension plans from which the Respondent received income in the last calendar year. If the Respondent reports receiving other income from retirement pension plans, then the Respondent is asked if s/he receives income from more than one retirement pension plan, and if so, how many. RwPENI_N is set to the number of pension plans that the Respondent reports.

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income Section. In the Pension section, the Respondent is asked whether s/he receives any income from up to ten individual pension plans, and RwPENI_N is equal to the number of plans where the Respondent answers "yes."

If the Respondent is currently not receiving any pension income, then RwPENI_N is set to .Z. If the Respondent reports 10 or more pensions, s/he is considered an outlier and coded as .M. Otherwise, RwPENI_N is set to a missing value based on missing values in HRS variables.

SwPENI_N is constructed in the same way. If the Respondent is not married, SwPENI_N is set to .U=unmarried.

These variables are included to provide context to the measure about continuation of a pension after death. Since that question is not asked in Waves 1 and 2A, that measure is not included for these earlier waves at this time. See the "Whether pensions continue" section for more information.

Cross Wave Differences in Original HRS Data

There are two questions in the Assets and Income Section regarding the number of pension plans from which income is currently received. They are asked separately about the Financial Respondent and spouse/partner if the individual is receiving any pension income.

The first question is: "Do [you (yourself)/your spouse/partner] receive income from more than one retirement pension?" If "yes," another question asks: "How many retirement pensions do [you/your spouse/partner] receive?"

In Wave 2H, if the answer to the first question is "no," then the second question is set to "0" in the raw data. From Wave 3 and forward, if the answer to the first question is "no," the number of pensions question is filled with "1" in the raw data.

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income section. The question, "Are you currently receiving regular payments from your [plan name]?" is asked of both the Financial and non-Financial Respondent if s/he reports having an employer-provided pension plan. The question wording is consistent from Wave 11 forward.

HRS Variables Used

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HRS 1994:
    W6071      N20.RETIREMENT PENSIONS?
    WR6072     N20a.WHO RECEIVES PENSIO/ Self
    WR6073     N20b.>1 PENSION?/ Self
    WR6074     N20c.NUMBER PENSIONS/ Self

AHEAD 1995:
    D4191      J30.RET PENSION
    DR4192     J30a.WHO RECD PENSION / R
    DR4193     J30b/31.>1 PENSION / R
    DR4194     J30c/31a.#PENSIONS / R

HRS 1996:
    E4209      J127.RET PENSION
    ER4210     J128.WHO RECD PENSION/Self
    ER4211     J129.>1 PENSION/Self
    ER4212     J130.#PENSIONS/Self

HRS 1998:
    F4969      J127.RET PENSION
    FR4970     J128.WHO RECD PENSION/Self
    FR4971     J129.>1 PENSION/Self
    FR4972     J130.#PENSIONS/Self

HRS 2000:
    G5424      J127.RET PENSION
    GR5425     J128.WHO RECD PENSION/Self
    GR5426     J129.>1 PENSION/Self
    GR5427     J130.#PENSIONS/Self

HRS 2002-2016:
    xQ215      PENSION RETIREMENT INCOME
    xQR216     WHO REC PENSION RETIREMENT INC/Self
    xQR217     R INCOME FR MORE THAN ONE PENSION/Self
    xQR218     NUMBER OF PENSIONS R RECEIVED/Self

HRS 2012-2016:
    xJ2W108_1  STARTED RECEIVING ANNUITY -1_1
    xJ2W108_10 STARTED RECEIVING ANNUITY -1_10
    xJ2W108_2  STARTED RECEIVING ANNUITY -1_2
    xJ2W108_3  STARTED RECEIVING ANNUITY -1_3
    xJ2W108_4  STARTED RECEIVING ANNUITY -1_4
    xJ2W108_5  STARTED RECEIVING ANNUITY -1_5
    xJ2W108_6  STARTED RECEIVING ANNUITY -1_6
    xJ2W108_7  STARTED RECEIVING ANNUITY -1_7
    xJ2W108_8  STARTED RECEIVING ANNUITY -1_8
    xJ2W108_9  STARTED RECEIVING ANNUITY -1_9
    xJ2W426_1  RECEIVING BENEFITS -1_1
    xJ2W426_10 RECEIVING BENEFITS -1_10
    xJ2W426_2  RECEIVING BENEFITS -1_2
    xJ2W426_3  RECEIVING BENEFITS -1_3
    xJ2W426_4  RECEIVING BENEFITS -1_4
    xJ2W426_5  RECEIVING BENEFITS -1_5
    xJ2W426_6  RECEIVING BENEFITS -1_6
  
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xJ2W426_7	RECEIVING BENEFITS -1_7
xJ2W426_8	RECEIVING BENEFITS -1_8
xJ2W426_9	RECEIVING BENEFITS -1_9
xJ2W440_1	PLAN STATUS-CONVERTED TO ANNUITY -1_1
xJ2W440_10	PLAN STATUS-CONVERTED TO ANNUITY -1_10
xJ2W440_2	PLAN STATUS-CONVERTED TO ANNUITY -1_2
xJ2W440_3	PLAN STATUS-CONVERTED TO ANNUITY -1_3
xJ2W440_4	PLAN STATUS-CONVERTED TO ANNUITY -1_4
xJ2W440_5	PLAN STATUS-CONVERTED TO ANNUITY -1_5
xJ2W440_6	PLAN STATUS-CONVERTED TO ANNUITY -1_6
xJ2W440_7	PLAN STATUS-CONVERTED TO ANNUITY -1_7
xJ2W440_8	PLAN STATUS-CONVERTED TO ANNUITY -1_8
xJ2W440_9	PLAN STATUS-CONVERTED TO ANNUITY -1_9

Whether pensions can continue

Wave	Variable	Label	Type
2	R2PENIC1	R2PENIC1:W2 Pen #1 Continue after death	Categ
3	R3PENIC1	R3PENIC1:W3 Pen #1 Continue after death	Categ
4	R4PENIC1	R4PENIC1:W4 Pen #1 Continue after death	Categ
5	R5PENIC1	R5PENIC1:W5 Pen #1 Continue after death	Categ
6	R6PENIC1	R6PENIC1:W6 Pen #1 Continue after death	Categ
7	R7PENIC1	R7PENIC1:W7 Pen #1 Continue after death	Categ
8	R8PENIC1	R8PENIC1:W8 Pen #1 Continue after death	Categ
9	R9PENIC1	R9PENIC1:W9 Pen #1 Continue after death	Categ
10	R10PENIC1	R10PENIC1:W10 Pen #1 Continue after death	Categ
11	R11PENIC1	R11PENIC1:W11 Pen #1 Continue after death	Categ
12	R12PENIC1	R12PENIC1:W12 Pen #1 Continue after death	Categ
13	R13PENIC1	R13PENIC1:W13 Pen #1 Continue after death	Categ
2	S2PENIC1	S2PENIC1:W2 Pen #1 Continue after death	Categ
3	S3PENIC1	S3PENIC1:W3 Pen #1 Continue after death	Categ
4	S4PENIC1	S4PENIC1:W4 Pen #1 Continue after death	Categ
5	S5PENIC1	S5PENIC1:W5 Pen #1 Continue after death	Categ
6	S6PENIC1	S6PENIC1:W6 Pen #1 Continue after death	Categ
7	S7PENIC1	S7PENIC1:W7 Pen #1 Continue after death	Categ
8	S8PENIC1	S8PENIC1:W8 Pen #1 Continue after death	Categ
9	S9PENIC1	S9PENIC1:W9 Pen #1 Continue after death	Categ
10	S10PENIC1	S10PENIC1:W10 Pen #1 Continue after death	Categ
11	S11PENIC1	S11PENIC1:W11 Pen #1 Continue after death	Categ
12	S12PENIC1	S12PENIC1:W12 Pen #1 Continue after death	Categ
13	S13PENIC1	S13PENIC1:W13 Pen #1 Continue after death	Categ
2	R2PENIC2	R2PENIC2:W2 Pen #2 Continue after death	Categ
3	R3PENIC2	R3PENIC2:W3 Pen #2 Continue after death	Categ
4	R4PENIC2	R4PENIC2:W4 Pen #2 Continue after death	Categ
5	R5PENIC2	R5PENIC2:W5 Pen #2 Continue after death	Categ
6	R6PENIC2	R6PENIC2:W6 Pen #2 Continue after death	Categ
7	R7PENIC2	R7PENIC2:W7 Pen #2 Continue after death	Categ
8	R8PENIC2	R8PENIC2:W8 Pen #2 Continue after death	Categ
9	R9PENIC2	R9PENIC2:W9 Pen #2 Continue after death	Categ
10	R10PENIC2	R10PENIC2:W10 Pen #2 Continue after death	Categ
11	R11PENIC2	R11PENIC2:W11 Pen #2 Continue after death	Categ
12	R12PENIC2	R12PENIC2:W12 Pen #2 Continue after death	Categ
13	R13PENIC2	R13PENIC2:W13 Pen #2 Continue after death	Categ
2	S2PENIC2	S2PENIC2:W2 Pen #2 Continue after death	Categ
3	S3PENIC2	S3PENIC2:W3 Pen #2 Continue after death	Categ
4	S4PENIC2	S4PENIC2:W4 Pen #2 Continue after death	Categ
5	S5PENIC2	S5PENIC2:W5 Pen #2 Continue after death	Categ
6	S6PENIC2	S6PENIC2:W6 Pen #2 Continue after death	Categ
7	S7PENIC2	S7PENIC2:W7 Pen #2 Continue after death	Categ
8	S8PENIC2	S8PENIC2:W8 Pen #2 Continue after death	Categ
9	S9PENIC2	S9PENIC2:W9 Pen #2 Continue after death	Categ
10	S10PENIC2	S10PENIC2:W10 Pen #2 Continue after death	Categ
11	S11PENIC2	S11PENIC2:W11 Pen #2 Continue after death	Categ
12	S12PENIC2	S12PENIC2:W12 Pen #2 Continue after death	Categ
13	S13PENIC2	S13PENIC2:W13 Pen #2 Continue after death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2PENIC1	1716	1.92	0.97	1.0	7.0
R3PENIC1	3379	1.99	1.19	1.0	7.0
R4PENIC1	5387	1.67	0.97	1.0	7.0
R5PENIC1	5489	1.73	1.17	1.0	7.0
R6PENIC1	5168	1.71	1.19	1.0	7.0

R7PENIC1	5051	1.73	1.21	1.0	7.0
R8PENIC1	4801	1.63	0.97	1.0	7.0
R9PENIC1	4479	1.60	0.92	1.0	7.0
R10PENIC1	3881	1.61	0.98	1.0	7.0
R11PENIC1	3482	1.77	1.04	1.0	7.0
R12PENIC1	3567	1.71	1.01	1.0	7.0
R13PENIC1	3354	1.68	1.01	1.0	7.0
S2PENIC1	1382	2.09	0.95	1.0	7.0
S3PENIC1	2863	2.09	1.12	1.0	7.0
S4PENIC1	3240	2.01	0.99	1.0	7.0
S5PENIC1	3256	2.08	1.20	1.0	7.0
S6PENIC1	2995	2.08	1.19	1.0	7.0
S7PENIC1	2924	2.09	1.20	1.0	7.0
S8PENIC1	2770	1.99	1.02	1.0	7.0
S9PENIC1	2517	1.97	0.98	1.0	7.0
S10PENIC1	2156	1.98	1.03	1.0	7.0
S11PENIC1	1383	1.99	1.01	1.0	7.0
S12PENIC1	1596	1.97	0.97	1.0	7.0
S13PENIC1	1448	1.96	1.01	1.0	7.0
R2PENIC2	173	1.71	0.88	1.0	3.0
R3PENIC2	327	1.83	1.13	1.0	7.0
R4PENIC2	570	1.55	0.93	1.0	7.0
R5PENIC2	609	1.63	1.21	1.0	7.0
R6PENIC2	593	1.68	1.37	1.0	7.0
R7PENIC2	668	1.68	1.32	1.0	7.0
R8PENIC2	614	1.48	0.93	1.0	7.0
R9PENIC2	610	1.44	0.82	1.0	7.0
R10PENIC2	631	1.50	0.92	1.0	7.0
R11PENIC2	531	1.62	1.00	1.0	7.0
R12PENIC2	572	1.57	0.90	1.0	7.0
R13PENIC2	542	1.60	1.00	1.0	7.0
S2PENIC2	146	1.84	0.89	1.0	3.0
S3PENIC2	273	1.94	1.14	1.0	7.0
S4PENIC2	306	1.87	1.01	1.0	7.0
S5PENIC2	314	1.99	1.31	1.0	7.0
S6PENIC2	311	2.03	1.42	1.0	7.0
S7PENIC2	359	2.02	1.33	1.0	7.0
S8PENIC2	298	1.83	1.07	1.0	7.0
S9PENIC2	306	1.76	0.94	1.0	7.0
S10PENIC2	309	1.85	1.04	1.0	7.0
S11PENIC2	176	1.73	1.03	1.0	7.0
S12PENIC2	225	1.84	1.01	1.0	7.0
S13PENIC2	218	2.01	1.07	1.0	7.0

Categorical Variable Codes

RwPENIC1: Pen #1 Continue after death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		39	91	148	172	177	157	153	168	122
.M=Oth missing				1				1		
.Q=Not asked this wv		8222								
.R=RF		2	6	7	9	12	9	5	8	8
.U=Unmarried			1266							
.Z=No pension income		9663	13249	15841	13908	12808	14912	13509	12562	18023
1.Stop		824	1648	3395	3472	3330	3218	3110	2961	2557
2.Continue unchanged		217	422	537	530	519	511	519	458	425
3.Continue at reduced level		670	1233	1363	1341	1188	1188	1093	987	837
4.Lump sum paid to benefici				69	24			49	60	29
7.Other		5	76	23	122	131	134	30	13	33

Value	w11	w12	w13
.D=DK	111	129	106
.M=Oth missing	3	2	2
.Q=Not asked this wv	7	1	
.R=RF	12	8	4
.U=Unmarried	868	660	700
.Z=No pension income	16071	14380	16746
1.Stop	1960	2119	2040
2.Continue unchanged	523	533	526
3.Continue at reduced level	935	845	736
4.Lump sum paid to benefici	27	38	14
7.Other	37	32	38

SwPENIC1: Pen #1 Continue after death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		38	84	96	113	131	104	100	129	68
.M=Oth missing										
.Q=Not asked this wv		4549								
.R=RF		1	4	5	8	11	5	4	6	3
.U=Unmarried		5968	5594	6844	6515	6291	6762	6415	6204	7793
.V=Spouse NR										
.Z=No pension income		7704	9446	11199	9686	8737	10334	9180	8361	12014
1.Stop		533	1203	1415	1419	1285	1239	1227	1122	954
2.Continue unchanged		202	401	479	473	484	467	461	418	375
3.Continue at reduced level		644	1211	1296	1275	1154	1144	1040	948	795
4.Lump sum paid to benefici				37	11			20	19	12
7.Other		3	48	13	78	72	74	22	10	20

Value	w11	w12	w13
.D=DK	68	75	50
.M=Oth missing		2	
.Q=Not asked this wv			
.R=RF	6	6	1
.U=Unmarried	7471	7106	7992
.V=Spouse NR	7	15	19
.Z=No pension income	11619	9947	11402
1.Stop	606	684	628
2.Continue unchanged	241	318	310
3.Continue at reduced level	515	573	491
4.Lump sum paid to benefici	11	13	6
7.Other	10	8	13

RwPENIC2: Pen #2 Continue after death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		6	11	17	14	12	16	15	19	16
.M=Oth missing					2		1			1
.Q=Not asked this wv		8222								
.R=RF		1		2	2	4	1	1		
.U=Unmarried			147							
.Z=No pension income		11240	17505	20795	18951	17556	19443	17839	16588	21386
1.Stop		99	180	397	428	416	460	450	454	456
2.Continue unchanged		25	45	52	53	53	66	62	54	57
3.Continue at reduced level		49	96	113	107	98	116	90	95	108
4.Lump sum paid to benefici				5	4			7	6	6
7.Other			6	3	17	26	26	5	1	4

Value	w11	w12	w13
.D=DK	14	15	14
.M=Oth missing	2	1	1
.Q=Not asked this wv			
.R=RF	1		
.U=Unmarried	113	74	68
.Z=No pension income	19893	18085	20287
1.Stop	336	384	357
2.Continue unchanged	89	64	72
3.Continue at reduced level	94	111	103
4.Lump sum paid to benefici	6	12	4
7.Other	6	1	6

SwPENIC2: Pen #2 Continue after death

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		6	9	8	9	6	13	8	12	10
.M=Oth missing					1					1
.Q=Not asked this wv		4549								
.R=RF		1		1		4	1			
.U=Unmarried		5968	5594	6844	6517	6291	6762	6415	6204	7793
.Z=No pension income		8972	12114	14225	12737	11553	12994	11748	10695	13921
1.Stop		72	135	155	159	157	174	158	167	161
2.Continue unchanged		26	40	46	45	49	60	52	50	48
3.Continue at reduced level		48	93	100	98	90	111	82	86	95
4.Lump sum paid to benefici				3	1			2	2	2
7.Other			5	2	11	15	14	4	1	3

Value	w11	w12	w13
.D=DK	5	8	9
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			
.U=Unmarried	7471	7106	7992
.Z=No pension income	12902	11408	12693
1.Stop	101	121	93
2.Continue unchanged	30	27	42
3.Continue at reduced level	42	72	80
4.Lump sum paid to benefici	1	4	
7.Other	2	1	3

General Comments

For Waves 1-10, receipt of pension income variables are based on information given about pensions in the Assets and Income section and do not consider information given about past pensions in the Employment section. The relevant pension questions are reported at the household-level and are asked only of the Financial Respondent about the Financial Respondent's pension income and, if married, the Financial Respondent's spouse's pension income. Adjustments are made when these measures are merged to the Respondent level, depending on whether the Respondent is the Financial Respondent or not. If the Respondent is the Financial Respondent, then measures concerning the Financial Respondent are assigned to the Respondent, and those about the Financial Respondent's spouse are assigned to the Respondent's spouse. But if the Respondent is not the Financial Respondent, then measures about the Financial Respondent are assigned to the Respondent's spouse and those concerning the Financial Respondent's spouse are assigned to the Respondent.

Beginning in Wave 11, the questionnaire introduced a standalone Pension section, and information from this section is used to generate pension income variables when information from the Assets and Income section is not available. In the Pension section, relevant questions are reported at the pension level and are asked of both Financial and non-Financial Respondents who are currently working or who have previously reported having employer-provided pension plans.

How Constructed

RwPENIC1 and RwPENIC2 indicate whether the Respondent's estate can continue to collect income from pension plan #1 and pension plan #2 after the Respondent's death. SwPENIC1 and SwPENIC2 provide this information for the Respondent's spouse or partner.

RwPENIC1 and RwPENIC2 simply recode for missing values. RwPENIC1 is set to .Z if the Respondent receives no pension income. RwPENIC2 is set to .Z if the Respondent receives no pension income or pension income from a single plan.

R3PENIC1 and R3PENIC2 are set to .U for Wave 3A Respondents who are unmarried. Similarly, beginning in Wave 11, if we use the standalone Pension section as the variable source (see General Comments, above), RwPENIC1 and RwPENIC1 will be set to .U if the Respondent is unmarried.

The spouse measures are constructed in the same way. If the Respondent is not married, SwPENIC1 and SwPENIC2 are set to .U=unmarried.

Because this question is not asked in Waves 1 and 2A, the measure is not included for these earlier waves.

Cross Wave Differences in Original HRS Data

In all waves of the Assets and Income section, these questions are only asked if the Financial Respondent reports that a member of the household has received pension income. The questions are preceded by a question that asks how long the pension income will be received.

In Wave 2H and from Wave 3 forward, the question asks: "If you were to die (before then [if the pension is received for a limited number of years]), would the payment stop, continue unchanged, or continue at a reduced level?" There are 4 answers: "1.Stop," "2.Continue unchanged," "3.Continue at a reduced level" or "7.Other."

In Wave 4 and Wave 5, one more answer is added: "4. Lump sum paid to beneficiary."

The same question is asked about the second pension income if two or more pensions are reported.

In Wave 3A, the question was not asked of single Respondents.

Beginning in Wave 11, information from the standalone Pension section is incorporated for Respondents who do not have available information in the Assets and Income section. The question, "If you should die, would your [husband/wife/partner] continue to receive the same payment, get a reduced payment or would the payment end?" is asked of both the Financial and non-Financial Respondent if

s/he reports pension income from an employer-provided pension plan and is not single. The question wording is consistent from Wave 11 forward.

HRS Variables Used

HRS 1994:

W6071	N20.RETIREMENT PENSIONS?
WR6072	N20a.WHO RECEIVES PENSIO/ Self
WR6073	N20b.>1 PENSION?/ Self
WR6074	N20c.NUMBER PENSIONS/ Self
WR6082	N20k.PAYMENT STOP/CONTIN/ Self
WR6090	N20w.PAYMENT STOP/CONTIN/ Self

AHEAD 1995:

D4191	J30.RET PENSION
DR4192	J30a.WHO RECD PENSION / R
DR4193	J30b/31.>1 PENSION / R
DR4194	J30c/31a.#PENSIONS / R
DR4205_1	J30k/31j.PENSION STOP DEATH-1 / R
DR4205_2	J30m/31k.STOP WITH DEATH PENSION-2 / R

HRS 1996:

E4209	J127.RET PENSION
ER4210	J128.WHO RECD PENSION/Self
ER4211	J129.>1 PENSION/Self
ER4212	J130.#PENSIONS/Self
ER4229_1	J142.PENSION STOP WITH DEATH/Self
ER4229_2	J142.PENSION STOP WITH DEATH/Self

HRS 1998:

F4969	J127.RET PENSION
FR4970	J128.WHO RECD PENSION/Self
FR4971	J129.>1 PENSION/Self
FR4972	J130.#PENSIONS/Self
FR4989_1	J142.PENSION STOP WITH DEATH/Self
FR4989_2	J142.PENSION STOP WITH DEATH/Self

HRS 2000:

G5424	J127.RET PENSION
GR5425	J128.WHO RECD PENSION/Self
GR5426	J129.>1 PENSION/Self
GR5427	J130.#PENSIONS/Self
GR5444_1	J142.PENSION STOP WITH DEATH/Self
GR5444_2	J142.PENSION STOP WITH DEATH/Self

HRS 2002-2016:

xQ215	PENSION RETIREMENT INCOME
xQR216	WHO REC PENSION RETIREMENT INC/Self
xQR217	R INCOME FR MORE THAN ONE PENSION/Self
xQR218	NUMBER OF PENSIONS R RECEIVED/Self
xQR236_1	R PENSION CONTINUE HOW -1/Self
xQR236_2	R PENSION CONTINUE HOW -2/Self

HRS 2012-2016:

xJ2W054_1	R DIE WILL BENEFITS CONTINUE -1_1
xJ2W054_10	R DIE WILL BENEFITS CONTINUE -1_10
xJ2W054_2	R DIE WILL BENEFITS CONTINUE -1_2
xJ2W054_3	R DIE WILL BENEFITS CONTINUE -1_3
xJ2W054_4	R DIE WILL BENEFITS CONTINUE -1_4
xJ2W054_5	R DIE WILL BENEFITS CONTINUE -1_5
xJ2W054_6	R DIE WILL BENEFITS CONTINUE -1_6
xJ2W054_7	R DIE WILL BENEFITS CONTINUE -1_7
xJ2W054_8	R DIE WILL BENEFITS CONTINUE -1_8
xJ2W054_9	R DIE WILL BENEFITS CONTINUE -1_9

Any pension from current job

Wave	Variable	Label	Type
1	R1JCPEN	R1JCPEN:W1 Has pension current job	Categ
2	R2JCPEN	R2JCPEN:W2 Has pension current job	Categ
3	R3JCPEN	R3JCPEN:W3 Has pension current job	Categ
4	R4JCPEN	R4JCPEN:W4 Has pension current job	Categ
5	R5JCPEN	R5JCPEN:W5 Has pension current job	Categ
6	R6JCPEN	R6JCPEN:W6 Has pension current job	Categ
7	R7JCPEN	R7JCPEN:W7 Has pension current job	Categ
8	R8JCPEN	R8JCPEN:W8 Has pension current job	Categ
9	R9JCPEN	R9JCPEN:W9 Has pension current job	Categ
10	R10JCPEN	R10JCPEN:W10 Has pension current job	Categ
11	R11JCPEN	R11JCPEN:W11 Has pension current job	Categ
12	R12JCPEN	R12JCPEN:W12 Has pension current job	Categ
13	R13JCPEN	R13JCPEN:W13 Has pension current job	Categ
1	S1JCPEN	S1JCPEN:W1 Has pension current job	Categ
2	S2JCPEN	S2JCPEN:W2 Has pension current job	Categ
3	S3JCPEN	S3JCPEN:W3 Has pension current job	Categ
4	S4JCPEN	S4JCPEN:W4 Has pension current job	Categ
5	S5JCPEN	S5JCPEN:W5 Has pension current job	Categ
6	S6JCPEN	S6JCPEN:W6 Has pension current job	Categ
7	S7JCPEN	S7JCPEN:W7 Has pension current job	Categ
8	S8JCPEN	S8JCPEN:W8 Has pension current job	Categ
9	S9JCPEN	S9JCPEN:W9 Has pension current job	Categ
10	S10JCPEN	S10JCPEN:W10 Has pension current job	Categ
11	S11JCPEN	S11JCPEN:W11 Has pension current job	Categ
12	S12JCPEN	S12JCPEN:W12 Has pension current job	Categ
13	S13JCPEN	S13JCPEN:W13 Has pension current job	Categ
1	R1JCPENF	R1JCPENF:W1 Further info on JCPEN	Categ
2	R2JCPENF	R2JCPENF:W2 Further info on JCPEN	Categ
3	R3JCPENF	R3JCPENF:W3 Further info on JCPEN	Categ
4	R4JCPENF	R4JCPENF:W4 Further info on JCPEN	Categ
5	R5JCPENF	R5JCPENF:W5 Further info on JCPEN	Categ
6	R6JCPENF	R6JCPENF:W6 Further info on JCPEN	Categ
7	R7JCPENF	R7JCPENF:W7 Further info on JCPEN	Categ
8	R8JCPENF	R8JCPENF:W8 Further info on JCPEN	Categ
1	S1JCPENF	S1JCPENF:W1 Further info on JCPEN	Categ
2	S2JCPENF	S2JCPENF:W2 Further info on JCPEN	Categ
3	S3JCPENF	S3JCPENF:W3 Further info on JCPEN	Categ
4	S4JCPENF	S4JCPENF:W4 Further info on JCPEN	Categ
5	S5JCPENF	S5JCPENF:W5 Further info on JCPEN	Categ
6	S6JCPENF	S6JCPENF:W6 Further info on JCPEN	Categ
7	S7JCPENF	S7JCPENF:W7 Further info on JCPEN	Categ
8	S8JCPENF	S8JCPENF:W8 Further info on JCPEN	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCPEN	8295	0.54	0.50	0.0	1.0
R2JCPEN	7010	0.54	0.50	0.0	1.0
R3JCPEN	6565	0.50	0.50	0.0	1.0
R4JCPEN	8288	0.48	0.50	0.0	1.0
R5JCPEN	7111	0.48	0.50	0.0	1.0
R6JCPEN	6002	0.45	0.50	0.0	1.0
R7JCPEN	7788	0.47	0.50	0.0	1.0
R8JCPEN	6564	0.44	0.50	0.0	1.0
R9JCPEN	5796	0.45	0.50	0.0	1.0

R10JCPEN	8714	0.47	0.50	0.0	1.0
R11JCPEN	7829	0.50	0.50	0.0	1.0
R12JCPEN	6771	0.49	0.50	0.0	1.0
R13JCPEN	8597	0.46	0.50	0.0	1.0
S1JCPEN	6546	0.54	0.50	0.0	1.0
S2JCPEN	5477	0.54	0.50	0.0	1.0
S3JCPEN	5015	0.50	0.50	0.0	1.0
S4JCPEN	6166	0.50	0.50	0.0	1.0
S5JCPEN	5312	0.49	0.50	0.0	1.0
S6JCPEN	4462	0.45	0.50	0.0	1.0
S7JCPEN	5720	0.48	0.50	0.0	1.0
S8JCPEN	4816	0.45	0.50	0.0	1.0
S9JCPEN	4189	0.46	0.50	0.0	1.0
S10JCPEN	6018	0.48	0.50	0.0	1.0
S11JCPEN	5417	0.52	0.50	0.0	1.0
S12JCPEN	4601	0.51	0.50	0.0	1.0
S13JCPEN	5497	0.48	0.50	0.0	1.0
R1JCPENF	8295	0.00	0.00	0.0	0.0
R2JCPENF	7010	0.66	1.21	0.0	11.0
R3JCPENF	6565	0.64	1.20	0.0	9.0
R4JCPENF	8288	0.54	1.33	0.0	9.0
R5JCPENF	7111	0.73	1.45	0.0	9.0
R6JCPENF	6002	0.77	1.65	0.0	11.0
R7JCPENF	7788	0.27	1.30	0.0	11.0
R8JCPENF	6564	0.72	1.50	0.0	11.0
S1JCPENF	6546	0.00	0.00	0.0	0.0
S2JCPENF	5477	0.67	1.22	0.0	11.0
S3JCPENF	5015	0.63	1.20	0.0	9.0
S4JCPENF	6166	0.54	1.31	0.0	9.0
S5JCPENF	5312	0.75	1.48	0.0	9.0
S6JCPENF	4462	0.77	1.64	0.0	11.0
S7JCPENF	5720	0.26	1.30	0.0	11.0
S8JCPENF	4816	0.74	1.52	0.0	10.0

Categorical Variable Codes

RwJCPEN: Has pension current job											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	68	21	21	33	43	32	32	25	36	67
.M=Oth missing	|		17	245	69	44	1	2	39	24	42
.Q=Not asked this wv	|		8222								
.R=RF	|	16	1	7	11	6	27	19	14	22	34
.W=Not working	|	4273	4371	11153	12983	12374	12103	12288	11827	11339	13177
0.No	|	3839	3240	3288	4272	3711	3323	4127	3658	3212	4624
1.Yes	|	4456	3770	3277	4016	3400	2679	3661	2906	2584	4090
Value		w11	w12	w13							
.D=DK	|	118	95	152							
.M=Oth missing	|										
.Q=Not asked this wv	|										
.R=RF	|	10	19	32							
.W=Not working	|	12597	11862	12131							
0.No	|	3897	3468	4618							
1.Yes	|	3932	3303	3979							
SwJCPEN: Has pension current job											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	46	15	17	22	35	24	27	23	27	43
.M=Oth missing	|		13	151	51	30	1	1	27	15	28
.Q=Not asked this wv	|		4549								
.R=RF	|	10		5	1	4	20	15	7	13	20
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
.W=Not working	|	3298	3236	6729	7740	7349	7132	7209	6862	6402	7404
0.No	|	3034	2540	2502	3106	2720	2444	2973	2640	2272	3132
1.Yes	|	3512	2937	2513	3060	2592	2018	2747	2176	1917	2886
Value		w11	w12	w13							
.D=DK	|	75	56	89							
.M=Oth missing	|										
.Q=Not asked this wv	|										
.R=RF	|	5	10	15							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
.W=Not working	|	6991	6345	6178							
0.No	|	2620	2271	2859							
1.Yes	|	2797	2330	2638							

RwJCPENF: Further info on JCPEN

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		8222								
.S=No pen info	4357	4410	11426	13096	12467	12163	12341	11905		
0.No addl info	8295	3852	3826	5754	4295	3702	7398	3960		
1.No rules chg		2777	2323	2036	2203	1732	1	2066		
2.No chg/JCPEN=no, b/c 0 pl		13	72	117	43	104	67	98		
3.No chg/PENCT= #ptyp or gt		2				5		6		
4.Rules chg		271	262	228	405	256	164	245		
5.Rule chg/JCPEN=no, b/c 0		4			2	3	5	6		
6.New Pen/JCPEN=no, b/c 0 p					20	10	15	7		
7.Old and new pen info		10	4	4		10				
8.Denies but had pen		73	69	82	142	123	113	172		
9.Denies and no pen			9	67	1	53				
10.RuleChg/PENCT= #ptyp, gt		4				1		3		
11.New Pen/PENCT= #ptyp, gt		4				3	25	1		

Value	w11	w12	w13
.Q=Not asked this wv			
.S=No pen info			
0.No addl info			
1.No rules chg			
2.No chg/JCPEN=no, b/c 0 pl			
3.No chg/PENCT= #ptyp or gt			
4.Rules chg			
5.Rule chg/JCPEN=no, b/c 0			
6.New Pen/JCPEN=no, b/c 0 p			
7.Old and new pen info			
8.Denies but had pen			
9.Denies and no pen			
10.RuleChg/PENCT= #ptyp, gt			
11.New Pen/PENCT= #ptyp, gt			

SwJCPENF: Further info on JCPEN

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.Q=Not asked this wv		4549								
.S=No pen info	3354	3264	6902	7814	7418	7177	7252	6919		
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417		
.V=Spouse NR	379	384	417	536	311	220	380	317		
0.No addl info	6546	3015	2936	4244	3138	2746	5451	2869		
1.No rules chg		2150	1766	1544	1704	1298	1	1542		
2.No chg/JCPEN=no, b/c 0 pl		11	50	91	33	76	46	76		
3.No chg/PENCT= #ptyp or gt		2				3		4		
4.Rules chg		225	200	179	306	193	106	184		
5.Rule chg/JCPEN=no, b/c 0		4			2	2	5	3		
6.New Pen/JCPEN=no, b/c 0 p					15	7	10	3		
7.Old and new pen info		9	4	3		4				
8.Denies but had pen		54	54	63	113	91	80	133		
9.Denies and no pen			5	42	1	39				
10.RuleChg/PENCT= #ptyp, gt		3						2		
11.New Pen/PENCT= #ptyp, gt		4				3	21			

Value	w11	w12	w13
.Q=Not asked this wv			
.S=No pen info			
.U=Unmarried			
.V=Spouse NR			
0.No addl info			

```

1.No rules chg |
2.No chg/JCPEN=no, b/c 0 pl |
3.No chg/PENCT= #ptyp or gt |
4.Rules chg |
5.Rule chg/JCPEN=no, b/c 0 |
6.New Pen/JCPEN=no, b/c 0 p |
7.Old and new pen info |
8.Denies but had pen |
9.Denies and no pen |
10.RuleChg/PENCT= #ptyp, gt |
11.New Pen/PENCT= #ptyp, gt |

```

Format Reference Tables – complete variable value labels

Variables: JCPENF

```

.D=DK
.M=Oth missing
.Q=Not asked this wv
.R=RF
.S=No pen info
.U=Unmarried
.V=Spouse NR
0.No addl info
1.No rules chg
2.No chg/JCPEN=no, b/c 0 plan
3.No chg/PENCT= #ptyp or gtl Q
4.Rules chg
5.Rule chg/JCPEN=no, b/c 0 pln
6.New Pen/JCPEN=no, b/c 0 plan
7.Old and new pen info
8.Denies but had pen
9.Denies and no pen
10.RuleChg/PENCT= #ptyp, gtl Q
11.New Pen/PENCT= #ptyp, gtl Q

```

How Constructed

RwJCPEN indicates whether the Respondent has any pension plan from the current job, and RwJCPENF provides additional detail about the source of information for RwJCPEN. SwJCPEN and SwJCPENF provide the information for the Respondent's spouse or partner.

Until Wave 9, the set of questions asked differs depending on whether the Respondent had a pension and worked for the same employer in the previous wave or not. Whether the Respondent is considered to have had a pension in the previous wave is indicated by a preloaded variable. Considerably more information is collected about pensions that are newly reported or where the rules have changed. RwJCPENF indicates which situation applies to the Respondent in Wave "w."

If the Respondent is working, questions ask about the current job's pension plan. If the current job is newly reported in a given wave or if the Respondent was not included in a pension plan with the current employer at the previous wave, the Respondent is asked if s/he is included in a pension plan and if so, how many. In follow-up questions, characteristics of the plans are collected. Before Wave 5, questions ask about up to three plans. From Wave 5 to Wave 10, they ask about up to four. From Wave 11 forward, the Respondent answers questions about all pension plans. To remain consistent with earlier waves, we report employee contributions for up to the first four reported plans that are associated with the current job.

RwJCPEN is set to yes (=1) if the Respondent reports being included in a pension plan and subsequently reports at least one pension plan when asked how many, or if the Respondent reports at least one plan type. If the Respondent responds "no" to the inclusion question or if the number of pension plans is "zero" and no plan type is reported, then RwJCPEN is set to no (=0). RwJCPENF (=6) flags cases where RwJCPEN is set to "no" based on the number of plans being zero.

If the Respondent is working for the same employer as in the previous wave and was included in a pension plan, then s/he is asked if the rules of the pension have changed. If the Respondent indicates that the rules have changed, s/he is asked the complete set of questions about newly reported pensions. If the rules have not changed, a limited number of follow-up questions about pension characteristics are asked, with the exception of Wave 7 where the Respondent is asked the complete set of questions regardless of whether the rules have changed. The Respondent may also deny having the pension.

If the Respondent is working for the same employer as in the previous wave, was included in a pension plan, and the rules have not changed, then `RwJCPEN` is assumed to be yes (=1), unless either the pension is denied, or the number of plans reported is zero and no plan type is given. If the Respondent denies having a pension, `RwJCPEN` is set to "zero," and `RwJCPENF` (=8 or 9) indicates the denial along with whether the data show the Respondent reporting a pension in the previous wave. Whether or not the Respondent indicates a rules change, `RwJCPEN` is set to no (=0) if the number of plans reported is zero, and if no plan type information is reported. `RwJCPENF` (=2 or 5) indicates whether this was done, as well as whether a rules change was reported (=1, 2, or 3) or not (=4 or 5). If the number of plans reported is "zero" and any plan type information is provided, the presence of plan types are used to count the number of pensions, and `RwJCPENF` (=3) flags that this was done.

In some cases, information appears in both sets of questions, usually when the Respondent reports having more than three (or four) pensions for which the rules did not change. These cases are flagged by `RwJCPENF` (=7), and only the information associated with no rules change is used.

In Waves 9 and 10, the pension questionnaire changed. The skip patterns are less complicated, and less information is collected. We do not include `RwJCPENF` from Wave 9 forward because all Respondents are asked if they have a pension plan from their current job right at the beginning of the section. So, unlike previous waves, there is only one way the Respondent is asked this question.

Beginning in Wave 11, the pension questionnaire changed again, and it aims to establish a complete inventory of all pensions that the Respondent may have pertaining to current or any prior jobs. The Respondent is first asked about all pensions that s/he reported in a previous wave, as well as any new pensions the Respondent may have. This inventory of pensions is recorded in the data at the pension level so that one Respondent can have multiple observations depending on the number of past and current pensions s/he holds. We have aggregated these pension records to create Respondent-level variables that are derived for longitudinal comparison to the current pension. Plans are assigned as active or inactive (dead) based on their status for the purpose of controlling follow-up questions. In addition, blocks of questions are asked dependent upon whether a plan is from a new job or previous wave job. From Wave 11 forward, `RwJCPEN` is set to yes (=1) if the Respondent indicates s/he is included in a pension plan on her/his current job or s/he has money in a retirement account through her/his current job, and the plan is assigned as active. `RwJCPEN` is also set to yes (=1) if the Respondent reports an active pension that is not on the current job but has a valid job start date and a missing end date, indicating that the pension does refer to the current job. Lastly, `RwJCPEN` is set to yes (=1) when the Respondent has a new plan or a preloaded plan, and the Respondent is currently enrolled in a plan.

`RwJCPEN` is set to .W if skipped because the Respondent has no current job.

`RwJCPEN` is set to .M if the Respondent has a current job but did not respond to the pension questions.

`SwJCPEN` and `SwJCPENF` information is taken from the spouse's self-reported `RwJCPEN` and `RwJCPENF` variables, if available. If the Respondent is not married, `SwJCPEN` and `SwJCPENF` are set to .U=unmarried. If the Respondent's spouse did not respond, then `SwJCPEN` and `SwJCPENF` are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Wave 1, questions ask about the current job's pension. The wording differs depending on whether the Respondent is self-employed or not. For the self-employed, the question asks: "Aside from IRA or Keogh plans, are you included in any pension plans or tax-deferred savings plans through your work?" For those employed by a firm, the question asks: "Now I'd like to ask about pension or retirement plans on your job, sponsored by your employer or union. This includes not only basic pension or retirement plans, but also tax-deferred plans like thrift, savings, 401k, deferred profit-sharing, or stock ownership plans. Are you included in any such pension, retirement, or

tax-deferred plan with this employer?"

In Wave 2H, 3H and from Wave 4 to Wave 11, those who are with the same employer and who reported having a pension at the previous wave are asked if the rules have changed. Those working who a) did not report a current job pension in the previous wave or b) who changed jobs between waves are asked if they are included in a pension plan on the current job. The question wording differs depending on whether the Respondent is self-employed or not.

Those with a pension in a previous wave and who were employed by the same firm or self-employed in the current and previous waves are asked: "Have the rules that govern your pension benefits or the age you can receive them changed since [PREVIOUS WAVE MONTH/YEAR]?" For those employed by a new firm or employed by the same firm without a previous wave pension, the question is the same as that asked of firm employees in Wave 1. For those who are newly self-employed or still self-employed without a previous wave pension, the question is the same as that in Wave 1, preceded by the statement: "Now I'd like to ask about pension or retirement plans on your job."

The questions are not asked in Wave 2A.

In Wave 3A, only the questions about the current job's pension plan are asked, with the same wording as in Wave 1.

Except in Wave 7, a limited number of follow-up questions about pension characteristics are asked of those who: a) report working for the same employer as in the previous wave, b) were included in a pension plan at that time, and c) indicate that the rules have not changed. In Wave 7 only, the Respondent is asked the complete set of follow-up questions about the current job pension regardless of whether the rules have changed. In all waves, the complete set of questions is asked of all those who: a) report having a new current job pension, i.e., those who changed jobs or self-employment status between waves, b) did not report having a current job pension at the prior wave, c) report a rules change in the pension they had in the previous wave, or d) are new to the HRS study.

In Waves 9 and 10, the pension questionnaire changed. The skip patterns are less complicated and less information is collected. As a result, we do not include RwJCPENF for these later waves. All Respondents are asked at the beginning of the section if they have a pension from their current job. So, unlike previous waves, there is only one way the Respondent is asked this question.

Beginning in Wave 11, there was a major change as to how HRS records Respondents' pensions. The Respondent is no longer asked how many pensions s/he has. Instead we derive RwJCPEN from employment variables that ask if the Respondent has a pension on her/his current job in conjunction with questions that elicit an inventory of all pensions that the Respondent may have and indicates which pensions are active or inactive. We also use job start and end dates to determine if the pension is from the current employment.

HRS Variables Used

HRS 1992:	
V2838	F36:PENSION PLANS
V2901	F37:PENS/RET PLNS ON JOB
HRS 1994:	
W3710	FA63.PENSION RULES CHANG
W3748	FA71.PLAN OFFERED BY EMP
W4375	FB26.PENSION/RETIREMENT
W4376	FB27.PENSION RULES CHANG
AHEAD 1995:	
D2928	GA63.PENSION RULES CHANGED
D2955	GA71. WHETHER PENSION PLAN
D3287	GB26.INCLUDED IN PENSION PLAN
HRS 1996:	
E2835	G67.PENSION RULES CHANGED
E2861	G75.PLAN OFFERED BY EMPLOYER
HRS 1998:	
F3359	G67.PENSION RULES CHANGED
F3389	G75.PLAN OFFERED BY EMPLOYER
HRS 2000:	

G3619	G67.PENSION RULES CHANGED
G3654	G75.PLAN OFFERED BY EMPLOYER
HRS 2002-2006:	
xJ268	PENSION RULES CHANGED
HRS 2002-2008:	
xJ324	PLAN OFFERED BY EMPLOYER
HRS 2008-2010:	
xJ848	FIRM/UNION OFFERS PENSION
HRS 2008-2016:	
xJ849	PARTICIPATING IN PLAN
HRS 2012-2016:	
xJ2352_1	YEARS IN PLAN -1_1
xJ2352_10	YEARS IN PLAN -1_10
xJ2352_2	YEARS IN PLAN -1_2
xJ2352_3	YEARS IN PLAN -1_3
xJ2352_4	YEARS IN PLAN -1_4
xJ2352_5	YEARS IN PLAN -1_5
xJ2352_6	YEARS IN PLAN -1_6
xJ2352_7	YEARS IN PLAN -1_7
xJ2352_8	YEARS IN PLAN -1_8
xJ2352_9	YEARS IN PLAN -1_9
xJ2W401_1	ANY OTHER PENSIONS_1
xJ2W401_10	ANY OTHER PENSIONS_10
xJ2W401_2	ANY OTHER PENSIONS_2
xJ2W401_3	ANY OTHER PENSIONS_3
xJ2W401_4	ANY OTHER PENSIONS_4
xJ2W401_5	ANY OTHER PENSIONS_5
xJ2W401_6	ANY OTHER PENSIONS_6
xJ2W401_7	ANY OTHER PENSIONS_7
xJ2W401_8	ANY OTHER PENSIONS_8
xJ2W401_9	ANY OTHER PENSIONS_9
xJ2W403_1	STILL HAVE PLAN NOW_1
xJ2W403_10	STILL HAVE PLAN NOW_10
xJ2W403_2	STILL HAVE PLAN NOW_2
xJ2W403_3	STILL HAVE PLAN NOW_3
xJ2W403_4	STILL HAVE PLAN NOW_4
xJ2W403_5	STILL HAVE PLAN NOW_5
xJ2W403_6	STILL HAVE PLAN NOW_6
xJ2W403_7	STILL HAVE PLAN NOW_7
xJ2W403_8	STILL HAVE PLAN NOW_8
xJ2W403_9	STILL HAVE PLAN NOW_9
xJ2W410_1	BEGIN -1_1
xJ2W410_10	BEGIN -1_10
xJ2W410_2	BEGIN -1_2
xJ2W410_3	BEGIN -1_3
xJ2W410_4	BEGIN -1_4
xJ2W410_5	BEGIN -1_5
xJ2W410_6	BEGIN -1_6
xJ2W410_7	BEGIN -1_7
xJ2W410_8	BEGIN -1_8
xJ2W410_9	BEGIN -1_9
xJ2W411_1	END -1_1
xJ2W411_10	END -1_10
xJ2W411_2	END -1_2
xJ2W411_3	END -1_3
xJ2W411_4	END -1_4
xJ2W411_5	END -1_5
xJ2W411_6	END -1_6
xJ2W411_7	END -1_7

xJ2W411_8	END -1_8
xJ2W411_9	END -1_9
xJ2W451_1	PLAN ACTIVE OR DEAD -1_1
xJ2W451_10	PLAN ACTIVE OR DEAD -1_10
xJ2W451_2	PLAN ACTIVE OR DEAD -1_2
xJ2W451_3	PLAN ACTIVE OR DEAD -1_3
xJ2W451_4	PLAN ACTIVE OR DEAD -1_4
xJ2W451_5	PLAN ACTIVE OR DEAD -1_5
xJ2W451_6	PLAN ACTIVE OR DEAD -1_6
xJ2W451_7	PLAN ACTIVE OR DEAD -1_7
xJ2W451_8	PLAN ACTIVE OR DEAD -1_8
xJ2W451_9	PLAN ACTIVE OR DEAD -1_9
xJ2W452_1	WHETHER PLAN FROM NEW OR SAME JOB -1_1
xJ2W452_10	WHETHER PLAN FROM NEW OR SAME JOB -1_10
xJ2W452_2	WHETHER PLAN FROM NEW OR SAME JOB -1_2
xJ2W452_3	WHETHER PLAN FROM NEW OR SAME JOB -1_3
xJ2W452_4	WHETHER PLAN FROM NEW OR SAME JOB -1_4
xJ2W452_5	WHETHER PLAN FROM NEW OR SAME JOB -1_5
xJ2W452_6	WHETHER PLAN FROM NEW OR SAME JOB -1_6
xJ2W452_7	WHETHER PLAN FROM NEW OR SAME JOB -1_7
xJ2W452_8	WHETHER PLAN FROM NEW OR SAME JOB -1_8
xJ2W452_9	WHETHER PLAN FROM NEW OR SAME JOB -1_9
xJ851	FIRM HAS PEN ACCOUNT-NOT CONTRIBUTING

Number of pension plans from current job

Wave	Variable	Label	Type
1	R1PENCT	R1PENCT:W1 # pensions current job	Categ
2	R2PENCT	R2PENCT:W2 # pensions current job	Categ
3	R3PENCT	R3PENCT:W3 # pensions current job	Categ
4	R4PENCT	R4PENCT:W4 # pensions current job	Categ
5	R5PENCT	R5PENCT:W5 # pensions current job	Categ
6	R6PENCT	R6PENCT:W6 # pensions current job	Categ
7	R7PENCT	R7PENCT:W7 # pensions current job	Categ
8	R8PENCT	R8PENCT:W8 # pensions current job	Categ
9	R9PENCT	R9PENCT:W9 # pensions current job	Categ
10	R10PENCT	R10PENCT:W10 # pensions current job	Categ
11	R11PENCT	R11PENCT:W11 # pensions current job	Categ
12	R12PENCT	R12PENCT:W12 # pensions current job	Categ
13	R13PENCT	R13PENCT:W13 # pensions current job	Categ
1	S1PENCT	S1PENCT:W1 # pensions current job	Categ
2	S2PENCT	S2PENCT:W2 # pensions current job	Categ
3	S3PENCT	S3PENCT:W3 # pensions current job	Categ
4	S4PENCT	S4PENCT:W4 # pensions current job	Categ
5	S5PENCT	S5PENCT:W5 # pensions current job	Categ
6	S6PENCT	S6PENCT:W6 # pensions current job	Categ
7	S7PENCT	S7PENCT:W7 # pensions current job	Categ
8	S8PENCT	S8PENCT:W8 # pensions current job	Categ
9	S9PENCT	S9PENCT:W9 # pensions current job	Categ
10	S10PENCT	S10PENCT:W10 # pensions current job	Categ
11	S11PENCT	S11PENCT:W11 # pensions current job	Categ
12	S12PENCT	S12PENCT:W12 # pensions current job	Categ
13	S13PENCT	S13PENCT:W13 # pensions current job	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PENCT	4452	1.33	0.59	1.0	8.0
R2PENCT	3747	1.22	0.49	1.0	5.0
R3PENCT	3235	1.23	0.51	1.0	8.0
R4PENCT	3961	1.28	0.54	1.0	6.0
R5PENCT	3361	1.23	0.48	1.0	5.0
R6PENCT	2637	1.23	0.48	1.0	4.0
R7PENCT	3623	1.34	0.60	1.0	6.0
R8PENCT	2882	1.21	0.47	1.0	5.0
R9PENCT	2583	1.35	0.57	1.0	5.0
R10PENCT	4084	1.38	0.62	1.0	8.0
R11PENCT	3932	1.32	0.56	1.0	5.0
R12PENCT	3303	1.29	0.54	1.0	5.0
R13PENCT	3979	1.24	0.48	1.0	4.0
S1PENCT	3508	1.34	0.60	1.0	8.0
S2PENCT	2920	1.22	0.50	1.0	5.0
S3PENCT	2479	1.24	0.52	1.0	5.0
S4PENCT	3016	1.29	0.55	1.0	6.0
S5PENCT	2559	1.23	0.49	1.0	5.0
S6PENCT	1985	1.23	0.48	1.0	4.0
S7PENCT	2719	1.35	0.61	1.0	6.0
S8PENCT	2159	1.22	0.48	1.0	5.0
S9PENCT	1916	1.36	0.58	1.0	5.0
S10PENCT	2882	1.38	0.62	1.0	8.0

S11PENCT	2797	1.32	0.57	1.0	5.0
S12PENCT	2330	1.30	0.55	1.0	5.0
S13PENCT	2638	1.26	0.50	1.0	4.0

Categorical Variable Codes

RwPENCT: # pensions current job										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1	18	28	43	35	30	29	15	1	
.M=Oth missing			8	1	2		1	5		
.Q=Not asked this wv		8222								
.R=RF	3	5	6	11	2	12	8	4	1	7
.S=No pen info	8196	7633	14642	17251	16113	15369	16381	15452	14632	17943
.Z=No pen based on PENCT		17	72	117	65	117	87	111		
1	3209	3050	2614	3002	2680	2105	2569	2325	1791	2755
2	1058	606	533	833	614	477	898	503	692	1130
3	161	73	72	110	56	48	130	49	91	172
4	18	15	13	12	8	7	18	2	7	23
5	3	3	2	3	3		6	3	2	
6	2			1			2			3
8	1		1							1
Value	w11	w12	w13							
.D=DK										
.M=Oth missing										
.Q=Not asked this wv										
.R=RF										
.S=No pen info	16622	15444	16933							
.Z=No pen based on PENCT										
1	2868	2466	3108							
2	900	720	783							
3	148	105	81							
4	15	10	7							
5	1	2								
6										
8										

SwPENCT: # pensions current job											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	1	14	24	34	30	26	24	10	1	
.M=Oth missing	|			6	1	1		1	4		
.Q=Not asked this wv	|		4549								
.R=RF	|	3	3	4	9	2	7	3	3	1	5
.S=No pen info	|	6388	5789	9354	10829	10088	9536	10164	9477	8728	10626
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
.Z=No pen based on PENCT	|		15	50	91	50	85	61	82		
1	|	2512	2363	1986	2260	2027	1574	1913	1735	1320	1944
2	|	844	479	418	655	479	369	687	379	517	796
3	|	130	62	62	87	44	36	96	40	71	124
4	|	16	14	11	10	6	6	16	2	6	15
5	|	3	2	2	3	3		5	3	2	
6	|	2			1			2			2
8	|	1									1

Value		w11	w12	w13
.D=DK	|			
.M=Oth missing	|			
.Q=Not asked this wv	|			
.R=RF	|			
.S=No pen info	|	9691	8682	9141
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.Z=No pen based on PENCT	|			
1	|	2030	1727	2019
2	|	644	515	551
3	|	112	80	64
4	|	10	7	4
5	|	1	1	
6	|			
8	|			

How Constructed

RwPENCT indicates the number of pension plans that the Respondent has from her/his current job. SwPENCT provides the information for the Respondent's spouse or partner.

If the Respondent indicates that s/he has a pension plan from the current job, s/he is asked for the number of plans. RwPENCT is set to the number of pension plans that the Respondent reports. If the Respondent reports zero plans but provides any pension type information, RwPENCT is set to the number of plans with pension type information.

RwPENCT is set to .S if the Respondent has no pension in the current job, is missing whether s/he has a pension, or is not working. It is set to .Z if the Respondent reports having zero pension plans and does not provide any plan type information. Note that in this situation, RwJCPEN is set to "no." From Wave 6 to Wave 9, if the Respondent does not know the number of plans, a follow-up question asks if it is more than one. If the response is one plan then RwPENCT is set to "1." If it is more than one, then RwPENCT is set to "2." Otherwise, RwPENCT is set to other missing values as appropriate based on the missing values coded in the HRS variables.

Until Wave 8, RwJCPENF indicates if RwPENCT is set based on the number of plans with pension type information or using the follow-up question about whether there is just one plan or more than one. The relevant RwJCPENF codes are 3, 10, and 11.

From Wave 9 forward, RwJCPENF is not included in the RAND HRS Longitudinal File because, unlike previous waves, there is only one way the Respondent is asked if s/he has a pension on the current job.

In Wave 11, the pension questionnaire changed. From Wave 11 forward, the Respondent is no longer asked the number of pension plans from the current job. Therefore, `RwPENCT` is constructed by using employment and pension questions that together identify the pension plan as being associated with the current job. We then sum these plans to get the total number of pension plans associated with the current job.

`SwPENCT` information is taken from the spouse's self-reported `RwPENCT` variable, if available. If the Respondent is not married, `SwPENCT` is set to `.U=unmarried`. If the Respondent's spouse did not respond, then `SwPENCT` is set to `.V=Spouse is non-response`.

Because this question is not asked in Wave 2A, the variables are set to `.Q`.

Cross Wave Differences in Original HRS Data

In Wave 1, the Respondent is only asked about the number of pension plans if s/he reports being included in a pension plan associated with the current job. The question asks: "In how many different pension plans of this sort are you included on this job?"

In Wave 2H, 3H and from Wave 4 to Wave 10, those who are with the same employer and who reported having a pension at the previous wave are asked if the rules have changed. Except in Wave 7, if the Respondent reports no rules change, a question asks about the number of pensions: "In how many different pension plans are you included on this job?". From Wave 2 to Wave 9, including Wave 7, if there is no rules change or if there is no prior wave pension with the current employer but the Respondent reports one in the current wave, the question wording for the number of pensions is the same as that asked in Wave 1. `RwJCPENF` indicates the source of the pension information (rules change, no rules change, or, if no additional information, for a new pension). From Wave 9, `RwJCPENF` is not included in the RAND HRS Longitudinal File because, unlike previous waves, there is only one way the Respondent is asked if s/he has a pension on the current job.

In Wave 2H, the questions are asked separately for those employed by a firm and the self-employed, but the question wording is the same for both.

In Wave 3A, only the questions about the current job's pension plans are asked, and they are asked in two places. The wording in both places is the same as in Wave 1.

The questions are not asked in Wave 2A.

From Wave 6 to Wave 10, those who do not know the number of pensions are asked a follow-up question: "Is this just one plan or more than one?" The answers may be one plan or more than one plan.

In Wave 7, values 8 and 9 are missing value codes and so it is not possible for anyone to have more than 7 pension plans. In other waves, the missing value codes are 98 and 99.

In Wave 11, the pension questionnaire changed. It aims to establish a complete inventory of all pension plans that the Respondent may have associated with the current or any previous jobs. From Wave 11 forward, the Respondent is first asked about all pensions that s/he reported in a previous wave, as well as any new pensions the Respondent may have. This inventory of pensions is recorded in the data at the pension level so that one Respondent can have multiple observations depending on the number of past and current pension plans s/he holds. We have aggregated these pension records to create Respondent-level variables that are derived for longitudinal comparison to the current pension variables.

Because the Respondent is no longer asked how many pensions he or she has, `RwPENCT` is constructed by using employment and pension questions that together identify the pension as being associated with the current job. We then sum these pensions to get the total number of pension plans associated with the current job.

HRS Variables Used

HRS 1992:
 V2838 F36:PENSION PLANS
 V2901 F37:PENS/RET PLNS ON JOB
 V2908 F38:# PLNS INCLD ON JB
 HRS 1994:
 W3710 FA63.PENSION RULES CHANG
 W3711 FA64.NUMBER PENSION PLAN
 W3748 FA71.PLAN OFFERED BY EMP
 W3755 FA72.NUMBER PENSION PLAN
 W4375 FB26.PENSION/RETIREMENT
 W4376 FB27.PENSION RULES CHANG
 W4377 FB28.NUMBER PENSION PLAN
 W4414 FB36.NUMBER PENSION PLAN
 AHEAD 1995:
 D2928 GA63.PENSION RULES CHANGED
 D2955 GA71. WHETHER PENSION PLAN
 D2964 GA72. NUMBER PENSION PLANS
 D3287 GB26.INCLUDED IN PENSION PLAN
 D3325 GB36. NUMBER PENSION PLANS
 HRS 1996:
 E2835 G67.PENSION RULES CHANGED
 E2837 G68.NUMBER PENSION PLANS
 E2861 G75.PLAN OFFERED BY EMPLOYER
 E2870 G76.NUMBER PENSION PLANS INCLUDED
 HRS 1998:
 F3359 G67.PENSION RULES CHANGED
 F3361 G68.NUMBER PENSION PLANS
 F3389 G75.PLAN OFFERED BY EMPLOYER
 F3398 G76.NUMBER PENSION PLANS INCLUDED
 HRS 2000:
 G3619 G67.PENSION RULES CHANGED
 G3621 G68.NUMBER PENSION PLANS
 G3654 G75.PLAN OFFERED BY EMPLOYER
 G3678 G76.NUMBER PENSION PLANS INCLUDED
 HRS 2002:
 HJ269 CURRENT JOB- # PENSION PLANS
 HJ270 CURRENT JOB- ONE PLAN OR MORE
 HRS 2006:
 KJ269 CURRENT JOB- # PENSION PLANS
 KJ270 CURRENT JOB- ONE PLAN OR MORE
 HRS 2002-2006:
 xJ265 J265 BRANCHPOINT
 xJ268 PENSION RULES CHANGED
 xJ324 PLAN OFFERED BY EMPLOYER
 HRS 2002-2010:
 xJ335 # PENSION PLANS INCLUDED
 xJ336 INCLUDED ONE PLAN OR MORE
 HRS 2012-2016:
 xJ2352_1 YEARS IN PLAN -1_1
 xJ2352_10 YEARS IN PLAN -1_10
 xJ2352_2 YEARS IN PLAN -1_2
 xJ2352_3 YEARS IN PLAN -1_3
 xJ2352_4 YEARS IN PLAN -1_4
 xJ2352_5 YEARS IN PLAN -1_5
 xJ2352_6 YEARS IN PLAN -1_6
 xJ2352_7 YEARS IN PLAN -1_7
 xJ2352_8 YEARS IN PLAN -1_8
 xJ2352_9 YEARS IN PLAN -1_9

xJ2W401_1	ANY OTHER PENSIONS_1
xJ2W401_10	ANY OTHER PENSIONS_10
xJ2W401_2	ANY OTHER PENSIONS_2
xJ2W401_3	ANY OTHER PENSIONS_3
xJ2W401_4	ANY OTHER PENSIONS_4
xJ2W401_5	ANY OTHER PENSIONS_5
xJ2W401_6	ANY OTHER PENSIONS_6
xJ2W401_7	ANY OTHER PENSIONS_7
xJ2W401_8	ANY OTHER PENSIONS_8
xJ2W401_9	ANY OTHER PENSIONS_9
xJ2W403_1	STILL HAVE PLAN NOW_1
xJ2W403_10	STILL HAVE PLAN NOW_10
xJ2W403_2	STILL HAVE PLAN NOW_2
xJ2W403_3	STILL HAVE PLAN NOW_3
xJ2W403_4	STILL HAVE PLAN NOW_4
xJ2W403_5	STILL HAVE PLAN NOW_5
xJ2W403_6	STILL HAVE PLAN NOW_6
xJ2W403_7	STILL HAVE PLAN NOW_7
xJ2W403_8	STILL HAVE PLAN NOW_8
xJ2W403_9	STILL HAVE PLAN NOW_9
xJ2W410_1	BEGIN -1_1
xJ2W410_10	BEGIN -1_10
xJ2W410_2	BEGIN -1_2
xJ2W410_3	BEGIN -1_3
xJ2W410_4	BEGIN -1_4
xJ2W410_5	BEGIN -1_5
xJ2W410_6	BEGIN -1_6
xJ2W410_7	BEGIN -1_7
xJ2W410_8	BEGIN -1_8
xJ2W410_9	BEGIN -1_9
xJ2W411_1	END -1_1
xJ2W411_10	END -1_10
xJ2W411_2	END -1_2
xJ2W411_3	END -1_3
xJ2W411_4	END -1_4
xJ2W411_5	END -1_5
xJ2W411_6	END -1_6
xJ2W411_7	END -1_7
xJ2W411_8	END -1_8
xJ2W411_9	END -1_9
xJ2W451_1	PLAN ACTIVE OR DEAD -1_1
xJ2W451_10	PLAN ACTIVE OR DEAD -1_10
xJ2W451_2	PLAN ACTIVE OR DEAD -1_2
xJ2W451_3	PLAN ACTIVE OR DEAD -1_3
xJ2W451_4	PLAN ACTIVE OR DEAD -1_4
xJ2W451_5	PLAN ACTIVE OR DEAD -1_5
xJ2W451_6	PLAN ACTIVE OR DEAD -1_6
xJ2W451_7	PLAN ACTIVE OR DEAD -1_7
xJ2W451_8	PLAN ACTIVE OR DEAD -1_8
xJ2W451_9	PLAN ACTIVE OR DEAD -1_9
xJ2W452_1	WHETHER PLAN FROM NEW OR SAME JOB -1_1
xJ2W452_10	WHETHER PLAN FROM NEW OR SAME JOB -1_10
xJ2W452_2	WHETHER PLAN FROM NEW OR SAME JOB -1_2
xJ2W452_3	WHETHER PLAN FROM NEW OR SAME JOB -1_3
xJ2W452_4	WHETHER PLAN FROM NEW OR SAME JOB -1_4
xJ2W452_5	WHETHER PLAN FROM NEW OR SAME JOB -1_5
xJ2W452_6	WHETHER PLAN FROM NEW OR SAME JOB -1_6
xJ2W452_7	WHETHER PLAN FROM NEW OR SAME JOB -1_7
xJ2W452_8	WHETHER PLAN FROM NEW OR SAME JOB -1_8

xJ2W452_9	WHETHER PLAN FROM NEW OR SAME JOB -1_9
xJ849	PARTICIPATING IN PLAN
xJ851	FIRM HAS PEN ACCOUNT-NOT CONTRIBUTING

Type of pension plan from current job
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Wave	Variable	Label	Type
1	R1PTY1	R1PTY1:W1 Current pension type #1	Categ
2	R2PTY1	R2PTY1:W2 Current pension type #1	Categ
3	R3PTY1	R3PTY1:W3 Current pension type #1	Categ
4	R4PTY1	R4PTY1:W4 Current pension type #1	Categ
5	R5PTY1	R5PTY1:W5 Current pension type #1	Categ
6	R6PTY1	R6PTY1:W6 Current pension type #1	Categ
7	R7PTY1	R7PTY1:W7 Current pension type #1	Categ
8	R8PTY1	R8PTY1:W8 Current pension type #1	Categ
9	R9PTY1	R9PTY1:W9 Current pension type #1	Categ
10	R10PTY1	R10PTY1:W10 Current pension type #1	Categ
11	R11PTY1	R11PTY1:W11 Current pension type #1	Categ
12	R12PTY1	R12PTY1:W12 Current pension type #1	Categ
13	R13PTY1	R13PTY1:W13 Current pension type #1	Categ
1	S1PTY1	S1PTY1:W1 Current pension type #1	Categ
2	S2PTY1	S2PTY1:W2 Current pension type #1	Categ
3	S3PTY1	S3PTY1:W3 Current pension type #1	Categ
4	S4PTY1	S4PTY1:W4 Current pension type #1	Categ
5	S5PTY1	S5PTY1:W5 Current pension type #1	Categ
6	S6PTY1	S6PTY1:W6 Current pension type #1	Categ
7	S7PTY1	S7PTY1:W7 Current pension type #1	Categ
8	S8PTY1	S8PTY1:W8 Current pension type #1	Categ
9	S9PTY1	S9PTY1:W9 Current pension type #1	Categ
10	S10PTY1	S10PTY1:W10 Current pension type #1	Categ
11	S11PTY1	S11PTY1:W11 Current pension type #1	Categ
12	S12PTY1	S12PTY1:W12 Current pension type #1	Categ
13	S13PTY1	S13PTY1:W13 Current pension type #1	Categ
1	R1PTY2	R1PTY2:W1 Current pension type #2	Categ
2	R2PTY2	R2PTY2:W2 Current pension type #2	Categ
3	R3PTY2	R3PTY2:W3 Current pension type #2	Categ
4	R4PTY2	R4PTY2:W4 Current pension type #2	Categ
5	R5PTY2	R5PTY2:W5 Current pension type #2	Categ
6	R6PTY2	R6PTY2:W6 Current pension type #2	Categ
7	R7PTY2	R7PTY2:W7 Current pension type #2	Categ
8	R8PTY2	R8PTY2:W8 Current pension type #2	Categ
9	R9PTY2	R9PTY2:W9 Current pension type #2	Categ
10	R10PTY2	R10PTY2:W10 Current pension type #2	Categ
11	R11PTY2	R11PTY2:W11 Current pension type #2	Categ
12	R12PTY2	R12PTY2:W12 Current pension type #2	Categ
13	R13PTY2	R13PTY2:W13 Current pension type #2	Categ
1	S1PTY2	S1PTY2:W1 Current pension type #2	Categ
2	S2PTY2	S2PTY2:W2 Current pension type #2	Categ
3	S3PTY2	S3PTY2:W3 Current pension type #2	Categ
4	S4PTY2	S4PTY2:W4 Current pension type #2	Categ
5	S5PTY2	S5PTY2:W5 Current pension type #2	Categ
6	S6PTY2	S6PTY2:W6 Current pension type #2	Categ
7	S7PTY2	S7PTY2:W7 Current pension type #2	Categ
8	S8PTY2	S8PTY2:W8 Current pension type #2	Categ
9	S9PTY2	S9PTY2:W9 Current pension type #2	Categ
10	S10PTY2	S10PTY2:W10 Current pension type #2	Categ
11	S11PTY2	S11PTY2:W11 Current pension type #2	Categ
12	S12PTY2	S12PTY2:W12 Current pension type #2	Categ
13	S13PTY2	S13PTY2:W13 Current pension type #2	Categ
1	R1PTY3	R1PTY3:W1 Current pension type #3	Categ
2	R2PTY3	R2PTY3:W2 Current pension type #3	Categ
3	R3PTY3	R3PTY3:W3 Current pension type #3	Categ
4	R4PTY3	R4PTY3:W4 Current pension type #3	Categ
5	R5PTY3	R5PTY3:W5 Current pension type #3	Categ
6	R6PTY3	R6PTY3:W6 Current pension type #3	Categ
7	R7PTY3	R7PTY3:W7 Current pension type #3	Categ
8	R8PTY3	R8PTY3:W8 Current pension type #3	Categ
9	R9PTY3	R9PTY3:W9 Current pension type #3	Categ
10	R10PTY3	R10PTY3:W10 Current pension type #3	Categ

11	R11PTYP3	R11PTYP3:W11 Current pension type #3	Categ
12	R12PTYP3	R12PTYP3:W12 Current pension type #3	Categ
13	R13PTYP3	R13PTYP3:W13 Current pension type #3	Categ
1	S1PTYP3	S1PTYP3:W1 Current pension type #3	Categ
2	S2PTYP3	S2PTYP3:W2 Current pension type #3	Categ
3	S3PTYP3	S3PTYP3:W3 Current pension type #3	Categ
4	S4PTYP3	S4PTYP3:W4 Current pension type #3	Categ
5	S5PTYP3	S5PTYP3:W5 Current pension type #3	Categ
6	S6PTYP3	S6PTYP3:W6 Current pension type #3	Categ
7	S7PTYP3	S7PTYP3:W7 Current pension type #3	Categ
8	S8PTYP3	S8PTYP3:W8 Current pension type #3	Categ
9	S9PTYP3	S9PTYP3:W9 Current pension type #3	Categ
10	S10PTYP3	S10PTYP3:W10 Current pension type #3	Categ
11	S11PTYP3	S11PTYP3:W11 Current pension type #3	Categ
12	S12PTYP3	S12PTYP3:W12 Current pension type #3	Categ
13	S13PTYP3	S13PTYP3:W13 Current pension type #3	Categ
5	R5PTYP4	R5PTYP4:W5 Current pension type #4	Categ
6	R6PTYP4	R6PTYP4:W6 Current pension type #4	Categ
7	R7PTYP4	R7PTYP4:W7 Current pension type #4	Categ
8	R8PTYP4	R8PTYP4:W8 Current pension type #4	Categ
9	R9PTYP4	R9PTYP4:W9 Current pension type #4	Categ
10	R10PTYP4	R10PTYP4:W10 Current pension type #4	Categ
11	R11PTYP4	R11PTYP4:W11 Current pension type #4	Categ
12	R12PTYP4	R12PTYP4:W12 Current pension type #4	Categ
13	R13PTYP4	R13PTYP4:W13 Current pension type #4	Categ
5	S5PTYP4	S5PTYP4:W5 Current pension type #4	Categ
6	S6PTYP4	S6PTYP4:W6 Current pension type #4	Categ
7	S7PTYP4	S7PTYP4:W7 Current pension type #4	Categ
8	S8PTYP4	S8PTYP4:W8 Current pension type #4	Categ
9	S9PTYP4	S9PTYP4:W9 Current pension type #4	Categ
10	S10PTYP4	S10PTYP4:W10 Current pension type #4	Categ
11	S11PTYP4	S11PTYP4:W11 Current pension type #4	Categ
12	S12PTYP4	S12PTYP4:W12 Current pension type #4	Categ
13	S13PTYP4	S13PTYP4:W13 Current pension type #4	Categ

Descriptive Statistics

R1PTYP1	4354	1.41	0.55	1.0	3.0
R2PTYP1	3684	1.48	0.61	1.0	3.0
R3PTYP1	3172	1.58	0.64	1.0	3.0
R4PTYP1	3875	1.63	0.64	1.0	3.0
R5PTYP1	3238	1.59	0.59	1.0	3.0
R6PTYP1	2559	1.64	0.61	1.0	3.0
R7PTYP1	3537	1.66	0.59	1.0	3.0
R8PTYP1	2810	1.65	0.58	1.0	3.0
R9PTYP1	2413	1.69	0.53	1.0	3.0
R10PTYP1	3902	1.63	0.53	1.0	3.0
R11PTYP1	3416	1.79	0.59	1.0	3.0
R12PTYP1	2975	1.74	0.53	1.0	3.0
R13PTYP1	3576	1.80	0.58	1.0	3.0
S1PTYP1	3431	1.41	0.55	1.0	3.0
S2PTYP1	2871	1.48	0.62	1.0	3.0
S3PTYP1	2427	1.59	0.64	1.0	3.0
S4PTYP1	2962	1.64	0.64	1.0	3.0
S5PTYP1	2465	1.59	0.59	1.0	3.0
S6PTYP1	1930	1.65	0.61	1.0	3.0
S7PTYP1	2654	1.67	0.59	1.0	3.0
S8PTYP1	2107	1.66	0.58	1.0	3.0
S9PTYP1	1803	1.69	0.53	1.0	3.0

S10PTYP1	2762	1.63	0.53	1.0	3.0
S11PTYP1	2453	1.80	0.58	1.0	3.0
S12PTYP1	2116	1.75	0.52	1.0	3.0
S13PTYP1	2391	1.79	0.57	1.0	3.0
R1PTYP2	1229	1.85	0.39	1.0	3.0
R2PTYP2	677	1.75	0.54	1.0	3.0
R3PTYP2	598	1.80	0.52	1.0	3.0
R4PTYP2	931	1.77	0.55	1.0	3.0
R5PTYP2	652	1.70	0.49	1.0	3.0
R6PTYP2	502	1.76	0.55	1.0	3.0
R7PTYP2	1025	1.77	0.50	1.0	3.0
R8PTYP2	532	1.77	0.46	1.0	3.0
R9PTYP2	708	1.73	0.47	1.0	3.0
R10PTYP2	1203	1.70	0.49	1.0	3.0
R11PTYP2	950	1.73	0.62	1.0	3.0
R12PTYP2	785	1.69	0.55	1.0	3.0
R13PTYP2	820	1.70	0.57	1.0	3.0
S1PTYP2	986	1.85	0.39	1.0	3.0
S2PTYP2	540	1.74	0.55	1.0	3.0
S3PTYP2	477	1.81	0.52	1.0	3.0
S4PTYP2	736	1.77	0.54	1.0	3.0
S5PTYP2	512	1.69	0.49	1.0	3.0
S6PTYP2	389	1.74	0.54	1.0	3.0
S7PTYP2	783	1.77	0.51	1.0	3.0
S8PTYP2	405	1.76	0.48	1.0	3.0
S9PTYP2	535	1.74	0.47	1.0	3.0
S10PTYP2	857	1.70	0.49	1.0	3.0
S11PTYP2	690	1.73	0.62	1.0	3.0
S12PTYP2	567	1.69	0.55	1.0	3.0
S13PTYP2	585	1.69	0.57	1.0	3.0
R1PTYP3	176	1.93	0.30	1.0	3.0
R2PTYP3	80	1.86	0.63	1.0	3.0
R3PTYP3	75	1.87	0.50	1.0	3.0
R4PTYP3	116	1.70	0.55	1.0	3.0
R5PTYP3	58	1.71	0.50	1.0	3.0
R6PTYP3	47	1.79	0.59	1.0	3.0
R7PTYP3	139	1.74	0.49	1.0	3.0
R8PTYP3	48	1.77	0.47	1.0	3.0
R9PTYP3	82	1.77	0.50	1.0	3.0
R10PTYP3	147	1.76	0.43	1.0	2.0
R11PTYP3	144	1.69	0.60	1.0	3.0
R12PTYP3	107	1.82	0.51	1.0	3.0
R13PTYP3	82	1.77	0.48	1.0	3.0
S1PTYP3	143	1.92	0.32	1.0	3.0
S2PTYP3	69	1.87	0.62	1.0	3.0
S3PTYP3	62	1.89	0.48	1.0	3.0
S4PTYP3	92	1.70	0.55	1.0	3.0
S5PTYP3	46	1.63	0.53	1.0	3.0
S6PTYP3	36	1.81	0.58	1.0	3.0
S7PTYP3	107	1.72	0.49	1.0	3.0
S8PTYP3	41	1.78	0.47	1.0	3.0
S9PTYP3	66	1.77	0.52	1.0	3.0
S10PTYP3	105	1.77	0.42	1.0	2.0
S11PTYP3	108	1.69	0.59	1.0	3.0
S12PTYP3	80	1.80	0.54	1.0	3.0

Categorical Variable Codes

RwPTYPl: Current pension type #1											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	93	61	48	83	121	76	84	69	160	165
.M=Oth missing	|			7	1						8
.Q=Not asked this wv	|		8222								
.R=RF	|	9	15	8	2	2	2	2	3	10	9
.S=No pen info	|	8196	7660	14756	17423	16217	15528	16506	15587	14634	17950
1.DB	|	2703	2146	1598	1776	1495	1107	1420	1153	833	1534
2.DC	|	1511	1308	1321	1763	1570	1265	1905	1499	1497	2266
3.DB+DC	|	140	230	253	336	173	187	212	158	83	102
Value		w11	w12	w13							
.D=DK	|	488	256	261							
.M=Oth missing	|		23	18							
.Q=Not asked this wv	|										
.R=RF	|	28	49	124							
.S=No pen info	|	16622	15444	16933							
1.DB	|	1019	903	1035							
2.DC	|	2090	1934	2237							
3.DB+DC	|	307	138	304							

SwPTYP1: Current pension type #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	75	47	40	53	92	54	63	49	106	109
.M=Oth missing			5							4
.Q=Not asked this wv		4549								
.R=RF	6	13	7	1	2	1	2	3	7	7
.S=No pen info	6388	5810	9438	10964	10171	9654	10253	9576	8730	10631
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	384	417	536	311	220	380	317	365	722
1.DB	2132	1676	1199	1328	1140	825	1043	842	613	1088
2.DC	1191	1010	1026	1367	1196	964	1446	1143	1129	1608
3.DB+DC	108	185	202	267	129	141	165	122	61	66

Value	w11	w12	w13
.D=DK	326	164	146
.M=Oth missing		18	13
.Q=Not asked this wv			
.R=RF	18	32	88
.S=No pen info	9691	8682	9141
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.DB	716	625	697
2.DC	1522	1401	1502
3.DB+DC	215	90	192

RwPTYP2: Current pension type #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	15	14	17	18	26	22	28	20	80	70
.M=Oth missing			1	1		2		1	1	42
.Q=Not asked this wv		8222								
.R=RF	4	6	6	12	3	6	1	4	3	14
.S=No pen info	11404	10723	17369	20422	18897	17633	19075	17912	16425	20705
1.DB	199	204	153	274	203	150	271	131	197	383
2.DC	1017	440	412	599	440	323	714	391	502	803
3.DB+DC	13	33	33	58	9	29	40	10	9	17

Value	w11	w12	w13
.D=DK	105	42	34
.M=Oth missing		3	4
.Q=Not asked this wv			
.R=RF	9	7	13
.S=No pen info	19490	17910	20041
1.DB	344	283	292
2.DC	520	466	480
3.DB+DC	86	36	48

SwPTYP2: Current pension type #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	10	12	10	14	18	16	22	15	59	44
.M=Oth missing			1	1		2		1	1	29
.Q=Not asked this wv		4549								
.R=RF	4	5	6	8	2	4	1	3	1	8
.S=No pen info	8900	8184	11423	13221	12198	11228	12166	11311	10050	12575
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	384	417	536	311	220	380	317	365	722
1.DB	161	167	119	214	166	121	212	107	145	268
2.DC	815	344	331	479	339	249	540	289	382	578
3.DB+DC	10	29	27	43	7	19	31	9	8	11

Value	w11	w12	w13
.D=DK	70	29	22
.M=Oth missing		3	3
.Q=Not asked this wv			
.R=RF	7	4	9
.S=No pen info	11721	10409	11160
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.DB	250	199	213
2.DC	377	343	340
3.DB+DC	63	25	32

RwPTYP3: Current pension type #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	9	9	7	12	8	4	14	3	12	17
.M=Oth missing			2	1		2		1		28
.Q=Not asked this wv		8222								
.R=RF	4	2	6	4	1	2	3	2	6	7
.S=No pen info	12463	11329	17901	21251	19511	18110	19973	18415	17117	21835
1.DB	15	22	15	40	18	14	39	12	22	35
2.DC	159	47	55	71	39	29	97	35	57	112
3.DB+DC	2	11	5	5	1	4	3	1	3	

Value	w11	w12	w13
.D=DK	17	7	4
.M=Oth missing			1
.Q=Not asked this wv			
.R=RF	3	3	1
.S=No pen info	20390	18630	20824
1.DB	55	25	21
2.DC	79	76	59
3.DB+DC	10	6	2

SwPTYP3: Current pension type #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	9	7	7	11	7	3	11	1	8	13
.M=Oth missing			2			1		1		18
.Q=Not asked this wv		4549								
.R=RF	4	2	6	4		2	1	2	5	6
.S=No pen info	9744	8663	11840	13873	12677	11597	12853	11690	10567	13371
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	384	417	536	311	220	380	317	365	722
1.DB	13	18	11	32	18	10	32	10	18	24
2.DC	128	42	47	56	27	23	73	30	45	81
3.DB+DC	2	9	4	4	1	3	2	1	3	

Value	w11	w12	w13
.D=DK	13	5	4
.M=Oth missing			1
.Q=Not asked this wv			
.R=RF	2	3	1
.S=No pen info	12365	10924	11711
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.DB	40	21	15
2.DC	61	54	45
3.DB+DC	7	5	2

RwPTYP4: Current pension type #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						1	3	1	3	6
.M=Oth missing					1	1				10
.R=RF										1
.S=No pen info					19567	18158	20103	18464	17208	22007
1.DB					3	2	4	3	1	3
2.DC					7	3	18	1	4	7
3.DB+DC							1		1	

Value	w11	w12	w13
.D=DK	1	1	
.M=Oth missing			
.R=RF		1	
.S=No pen info	20538	18735	20905
1.DB	7	4	4
2.DC	6	6	3
3.DB+DC	2		

SwPTYP4: Current pension type #4											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|							2	1	3	3
.M=Oth missing	|					1	1				8
.R=RF	|										1
.S=No pen info	|					12721	11633	12949	11730	10638	13495
.U=Unmarried	|					6537	6306	6777	6417	6206	7799
.V=Spouse NR	|					311	220	380	317	365	722
1.DB	|					2	2	4	3	1	1
2.DC	|					6	3	16	1	4	5
3.DB+DC	|							1			

Value		w11	w12	w13
.D=DK	|		1	
.M=Oth missing	|			
.R=RF	|			
.S=No pen info	|	12477	11004	11775
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
1.DB	|	5	2	2
2.DC	|	5	5	2
3.DB+DC	|	1		

How Constructed

RwPTYP1, RwPTYP2, RwPTYP3 and RwPTYP4 indicate the types of pension plans in which the Respondent is included at her/his current job. Before Wave 5, the Respondent may report the type of up to three pension plans. From Wave 5 through Wave 10, the Respondent may report the type of up to four pension plans. SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 provide this information for the Respondent's spouse or partner. From Wave 11 forward, the Respondent can report the type of an unlimited number of pension plans, but we limit the RAND HRS Longitudinal File to the first four reported plans from the current job to align with previous waves.

If the Respondent is included in a pension through her/his current job then s/he is asked for the type of plan. The Respondent may identify the plan type as Type A, Type B, or both. A Type A plan refers to a defined benefit (DB) plan, and a Type B plan refers to a defined contribution (DC) plan. RwPTYP1, RwPTYP2, RwPTYP3 and RwPTYP4 are set to the types of pensions that the Respondent reports. The plan type is simply recoded for missing values. It is set to .S if the Respondent does not have the pension, e.g., if the Respondent has one pension, RwPTYP2 and RwPTYP3 (or RwPTYP4 from Wave 5 on) are set to .S. They are also set to .S if the Respondent does not have a pension associated with the current job, did not provide a number of pensions (for waves prior to Wave 11), or is not working.

SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 information is taken from the spouse's self-reported RwPTYP1, RwPTYP2, RwPTYP3 and RwPTYP4 variables, if available. If the Respondent is not married, SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 are set to .U=unmarried. If the Respondent's spouse did not respond then SwPTYP1, SwPTYP2, SwPTYP3 and SwPTYP4 are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Wave 1, if the Respondent reports having a pension(s) from the current job, the number of pensions is ascertained, and the type of pension is requested for up to three pensions. The question asks: "I would like to know what type of plan this is. In some retirement plans, Type A, benefits are usually based on a formula involving age, years of service and salary. In other plans, Type B, money is accumulated in an account for you. Is your plan Type A or Type B?" The response may be Type A, Type B, or both. Type A

refers to a defined benefits (DB) plan, and Type B refers to a defined contributions (DC) plan.

If the Respondent has more than one plan, for subsequent plans the question is preceded by the phrase: "About the (next) most important of these plans..."

In Wave 2H, 3H and from Wave 4 forward, those who are with the same employer and who reported having a pension at the previous wave are asked if the rules have changed. Except in Wave 7, if no rules change is reported, a limited number of follow-up questions are asked, including the number of plans and their types. In all waves, including Wave 7, if there is not a rules change or if there is not a prior wave pension with the current employer but the Respondent reports one in the current wave, a more complete set of questions is asked. These questions include the number of plans and their types.

In both places, the wording is the same as that in Wave 1 with a slight variation in the preface if there is more than one plan. The question is preceded by the statement: "Now I have some questions about the (next) most important of these plans."

In Wave 2H, the questions are asked separately for those employed by a firm and the self-employed, but the question wording is the same for both.

In Wave 3A, the questions about the current job's pension plan(s) are asked in two places depending on whether the Respondent works for a firm or is self-employed. The wording in both places is the same as in Wave 1. Respondents who work at a firm are asked a set of questions reporting on up to three plan types. The self-employed are asked a set of questions reporting on only one plan type.

The questions are not asked in Wave 2A.

Beginning in Wave 5, a fourth plan type is asked if the Respondent reports having at least four plans.

Prior to Wave 11, the Respondent was asked to list pension plans in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all pension plans, with no regard to importance.

HRS Variables Used

HRS 1992:

V2838	F36:PENSION PLANS
V2901	F37:PENS/RET PLNS ON JOB
V2908	F38:# PLNS INCLD ON JB
V2909	F39:P1-TYPE OF PLAN
V3009	F39:P2-TYPE OF PLAN
V3109	F39:P3-TYPE OF PLAN

HRS 1994:

W3710	FA63.PENSION RULES CHANG
W3711	FA64.NUMBER PENSION PLAN
W3712	1. FA65.TYPE OF PENSION
W3724	2. FA65.TYPE OF PENSION
W3736	3. FA65.TYPE OF PENSION
W3748	FA71.PLAN OFFERED BY EMP
W3755	FA72.NUMBER PENSION PLAN
W3756	1. FA73.TYPE OF PENSION
W3808	2. FA73.TYPE OF PENSION
W3860	3. FA73.TYPE OF PENSION
W4375	FB26.PENSION/RETIREMENT
W4376	FB27.PENSION RULES CHANG
W4377	FB28.NUMBER PENSION PLAN
W4378	1. FB29.TYPE OF RETIREME
W4390	2. FB29.TYPE OF RETIREME
W4402	3. FB29.TYPE OF RETIREME
W4414	FB36.NUMBER PENSION PLAN
W4415	1. FB37.TYPE OF PENSION

W4467	2. FB37.TYPE OF PENSION
W4519	3. FB37.TYPE OF PENSION
AHEAD 1995:	
D2928	GA63.PENSION RULES CHANGED
D2955	GA71. WHETHER PENSION PLAN
D2964	GA72. NUMBER PENSION PLANS
D2969_1	GA73. TYPE PENSION
D2969_2	GA73. TYPE PENSION
D2969_3	GA73. TYPE PENSION
D3287	GB26.INCLUDED IN PENSION PLAN
D3325	GB36. NUMBER PENSION PLANS
D3330_1	GB37. TYPE PENSION
HRS 1996:	
E2835	G67.PENSION RULES CHANGED
E2837	G68.NUMBER PENSION PLANS
E2840_1	G69.TYPE OF PENSION
E2840_2	G69.TYPE OF PENSION
E2840_3	G69.TYPE OF PENSION
E2861	G75.PLAN OFFERED BY EMPLOYER
E2870	G76.NUMBER PENSION PLANS INCLUDED
E2875_1	G77.TYPE OF PENSION
E2875_2	G77.TYPE OF PENSION
E2875_3	G77.TYPE OF PENSION
HRS 1998:	
F3359	G67.PENSION RULES CHANGED
F3361	G68.NUMBER PENSION PLANS
F3364_1	G69.TYPE OF PENSION
F3364_2	G69.TYPE OF PENSION
F3364_3	G69.TYPE OF PENSION
F3389	G75.PLAN OFFERED BY EMPLOYER
F3398	G76.NUMBER PENSION PLANS INCLUDED
F3403_1	G77.TYPE OF PENSION
F3403_2	G77.TYPE OF PENSION
F3403_3	G77.TYPE OF PENSION
HRS 2000:	
G3619	G67.PENSION RULES CHANGED
G3621	G68.NUMBER PENSION PLANS
G3624_1	G69.TYPE OF PENSION
G3624_2	G69.TYPE OF PENSION
G3624_3	G69.TYPE OF PENSION
G3624_4	G69.TYPE OF PENSION
G3654	G75.PLAN OFFERED BY EMPLOYER
G3678	G76.NUMBER PENSION PLANS INCLUDED
G3683_1	G77.TYPE OF PENSION
G3683_2	G77.TYPE OF PENSION
G3683_3	G77.TYPE OF PENSION
G3683_4	G77.TYPE OF PENSION
HRS 2002:	
HJ272_1	TYPE OF PENSION- 1
HJ272_2	TYPE OF PENSION- 2
HJ272_3	TYPE OF PENSION- 3
HJ272_4	TYPE OF PENSION- 4
HJ338_1	PENSION PLAN TYPE- 1
HJ338_2	PENSION PLAN TYPE- 2
HJ338_3	PENSION PLAN TYPE- 3
HJ338_4	PENSION PLAN TYPE- 4
HRS 2006:	
KJ272A	TYPE OF PENSION- 1 -1
KJ272B	TYPE OF PENSION- 1 -2

KJ272C	TYPE OF PENSION- 1 -3
KJ272D	TYPE OF PENSION- 1 -4
HRS 2008:	
LJ338_1	PENSION PLAN TYPE- 1
LJ338_2	PENSION PLAN TYPE- 2
LJ338_3	PENSION PLAN TYPE- 3
LJ338_4	PENSION PLAN TYPE- 4
HRS 2010:	
MJ338_1	PENSION PLAN TYPE- 1
MJ338_2	PENSION PLAN TYPE- 2
MJ338_3	PENSION PLAN TYPE- 3
MJ338_4	PENSION PLAN TYPE- 4
HRS 2002-2006:	
xJ265	J265 BRANCHPOINT
xJ268	PENSION RULES CHANGED
xJ324	PLAN OFFERED BY EMPLOYER
xJ335	# PENSION PLANS INCLUDED
HRS 2004-2006:	
xJ338A	PENSION PLAN TYPE- 1
xJ338B	PENSION PLAN TYPE- 2
xJ338C	PENSION PLAN TYPE- 3
xJ338D	PENSION PLAN TYPE- 4
HRS 2012-2016:	
xJ2338_1	PENSION PLAN TYPE-DB OR DC -1_1
xJ2338_10	PENSION PLAN TYPE-DB OR DC -1_10
xJ2338_2	PENSION PLAN TYPE-DB OR DC -1_2
xJ2338_3	PENSION PLAN TYPE-DB OR DC -1_3
xJ2338_4	PENSION PLAN TYPE-DB OR DC -1_4
xJ2338_5	PENSION PLAN TYPE-DB OR DC -1_5
xJ2338_6	PENSION PLAN TYPE-DB OR DC -1_6
xJ2338_7	PENSION PLAN TYPE-DB OR DC -1_7
xJ2338_8	PENSION PLAN TYPE-DB OR DC -1_8
xJ2338_9	PENSION PLAN TYPE-DB OR DC -1_9
HRS 2014-2016:	
xJ2Z140_1	PREV WAVE OLD PENSION TYPE_1
xJ2Z140_10	PREV WAVE OLD PENSION TYPE_10
xJ2Z140_2	PREV WAVE OLD PENSION TYPE_2
xJ2Z140_3	PREV WAVE OLD PENSION TYPE_3
xJ2Z140_4	PREV WAVE OLD PENSION TYPE_4
xJ2Z140_5	PREV WAVE OLD PENSION TYPE_5
xJ2Z140_6	PREV WAVE OLD PENSION TYPE_6
xJ2Z140_7	PREV WAVE OLD PENSION TYPE_7
xJ2Z140_8	PREV WAVE OLD PENSION TYPE_8
xJ2Z140_9	PREV WAVE OLD PENSION TYPE_9

Detailed type of pension plan from current job

Wave	Variable	Label	Type
9	R9PTYPD1	R9PTYPD1:W9 Current pension type in detail #1	Categ
10	R10PTYPD1	R10PTYPD1:W10 Current pension type in detail #1	Categ
11	R11PTYPD1	R11PTYPD1:W11 Current pension type in detail #1	Categ
12	R12PTYPD1	R12PTYPD1:W12 Current pension type in detail #1	Categ
13	R13PTYPD1	R13PTYPD1:W13 Current pension type in detail #1	Categ
9	S9PTYPD1	S9PTYPD1:W9 Current pension type in detail #1	Categ
10	S10PTYPD1	S10PTYPD1:W10 Current pension type in detail #1	Categ
11	S11PTYPD1	S11PTYPD1:W11 Current pension type in detail #1	Categ
12	S12PTYPD1	S12PTYPD1:W12 Current pension type in detail #1	Categ
13	S13PTYPD1	S13PTYPD1:W13 Current pension type in detail #1	Categ
9	R9PTYPD2	R9PTYPD2:W9 Current pension type in detail #2	Categ
10	R10PTYPD2	R10PTYPD2:W10 Current pension type in detail #2	Categ
11	R11PTYPD2	R11PTYPD2:W11 Current pension type in detail #2	Categ
12	R12PTYPD2	R12PTYPD2:W12 Current pension type in detail #2	Categ
13	R13PTYPD2	R13PTYPD2:W13 Current pension type in detail #2	Categ
9	S9PTYPD2	S9PTYPD2:W9 Current pension type in detail #2	Categ
10	S10PTYPD2	S10PTYPD2:W10 Current pension type in detail #2	Categ
11	S11PTYPD2	S11PTYPD2:W11 Current pension type in detail #2	Categ
12	S12PTYPD2	S12PTYPD2:W12 Current pension type in detail #2	Categ
13	S13PTYPD2	S13PTYPD2:W13 Current pension type in detail #2	Categ
9	R9PTYPD3	R9PTYPD3:W9 Current pension type in detail #3	Categ
10	R10PTYPD3	R10PTYPD3:W10 Current pension type in detail #3	Categ
11	R11PTYPD3	R11PTYPD3:W11 Current pension type in detail #3	Categ
12	R12PTYPD3	R12PTYPD3:W12 Current pension type in detail #3	Categ
13	R13PTYPD3	R13PTYPD3:W13 Current pension type in detail #3	Categ
9	S9PTYPD3	S9PTYPD3:W9 Current pension type in detail #3	Categ
10	S10PTYPD3	S10PTYPD3:W10 Current pension type in detail #3	Categ
11	S11PTYPD3	S11PTYPD3:W11 Current pension type in detail #3	Categ
12	S12PTYPD3	S12PTYPD3:W12 Current pension type in detail #3	Categ
13	S13PTYPD3	S13PTYPD3:W13 Current pension type in detail #3	Categ
9	R9PTYPD4	R9PTYPD4:W9 Current pension type in detail #4	Categ
10	R10PTYPD4	R10PTYPD4:W10 Current pension type in detail #4	Categ
11	R11PTYPD4	R11PTYPD4:W11 Current pension type in detail #4	Categ
12	R12PTYPD4	R12PTYPD4:W12 Current pension type in detail #4	Categ
13	R13PTYPD4	R13PTYPD4:W13 Current pension type in detail #4	Categ
9	S9PTYPD4	S9PTYPD4:W9 Current pension type in detail #4	Categ
10	S10PTYPD4	S10PTYPD4:W10 Current pension type in detail #4	Categ
11	S11PTYPD4	S11PTYPD4:W11 Current pension type in detail #4	Categ
12	S12PTYPD4	S12PTYPD4:W12 Current pension type in detail #4	Categ
13	S13PTYPD4	S13PTYPD4:W13 Current pension type in detail #4	Categ
9	R9PTYPF1	R9PTYPF1:W9 Does pension type match detail? #1	Categ
10	R10PTYPF1	R10PTYPF1:W10 Does pension type match detail? #1	Categ
11	R11PTYPF1	R11PTYPF1:W11 Does pension type match detail? #1	Categ
12	R12PTYPF1	R12PTYPF1:W12 Does pension type match detail? #1	Categ
13	R13PTYPF1	R13PTYPF1:W13 Does pension type match detail? #1	Categ
9	S9PTYPF1	S9PTYPF1:W9 Does pension type match detail? #1	Categ
10	S10PTYPF1	S10PTYPF1:W10 Does pension type match detail? #1	Categ
11	S11PTYPF1	S11PTYPF1:W11 Does pension type match detail? #1	Categ
12	S12PTYPF1	S12PTYPF1:W12 Does pension type match detail? #1	Categ
13	S13PTYPF1	S13PTYPF1:W13 Does pension type match detail? #1	Categ
9	R9PTYPF2	R9PTYPF2:W9 Does pension type match detail? #2	Categ
10	R10PTYPF2	R10PTYPF2:W10 Does pension type match detail? #2	Categ
11	R11PTYPF2	R11PTYPF2:W11 Does pension type match detail? #2	Categ
12	R12PTYPF2	R12PTYPF2:W12 Does pension type match detail? #2	Categ
13	R13PTYPF2	R13PTYPF2:W13 Does pension type match detail? #2	Categ

9	S9PTYPF2	S9PTYPF2:W9 Does pension type match detail? #2	Categ
10	S10PTYPF2	S10PTYPF2:W10 Does pension type match detail? #2	Categ
11	S11PTYPF2	S11PTYPF2:W11 Does pension type match detail? #2	Categ
12	S12PTYPF2	S12PTYPF2:W12 Does pension type match detail? #2	Categ
13	S13PTYPF2	S13PTYPF2:W13 Does pension type match detail? #2	Categ
9	R9PTYPF3	R9PTYPF3:W9 Does pension type match detail? #3	Categ
10	R10PTYPF3	R10PTYPF3:W10 Does pension type match detail? #3	Categ
11	R11PTYPF3	R11PTYPF3:W11 Does pension type match detail? #3	Categ
12	R12PTYPF3	R12PTYPF3:W12 Does pension type match detail? #3	Categ
13	R13PTYPF3	R13PTYPF3:W13 Does pension type match detail? #3	Categ
9	S9PTYPF3	S9PTYPF3:W9 Does pension type match detail? #3	Categ
10	S10PTYPF3	S10PTYPF3:W10 Does pension type match detail? #3	Categ
11	S11PTYPF3	S11PTYPF3:W11 Does pension type match detail? #3	Categ
12	S12PTYPF3	S12PTYPF3:W12 Does pension type match detail? #3	Categ
13	S13PTYPF3	S13PTYPF3:W13 Does pension type match detail? #3	Categ
9	R9PTYPF4	R9PTYPF4:W9 Does pension type match detail? #4	Categ
10	R10PTYPF4	R10PTYPF4:W10 Does pension type match detail? #4	Categ
11	R11PTYPF4	R11PTYPF4:W11 Does pension type match detail? #4	Categ
12	R12PTYPF4	R12PTYPF4:W12 Does pension type match detail? #4	Categ
13	R13PTYPF4	R13PTYPF4:W13 Does pension type match detail? #4	Categ
9	S9PTYPF4	S9PTYPF4:W9 Does pension type match detail? #4	Categ
10	S10PTYPF4	S10PTYPF4:W10 Does pension type match detail? #4	Categ
11	S11PTYPF4	S11PTYPF4:W11 Does pension type match detail? #4	Categ
12	S12PTYPF4	S12PTYPF4:W12 Does pension type match detail? #4	Categ
13	S13PTYPF4	S13PTYPF4:W13 Does pension type match detail? #4	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R9PTYPD1	2191	3.26	6.94	1.0	95.0
R10PTYPD1	3529	3.27	8.20	1.0	96.0
R11PTYPD1	3392	2.94	2.99	1.0	16.0
R12PTYPD1	2885	2.83	2.86	1.0	16.0
R13PTYPD1	3535	2.59	3.05	1.0	95.0
S9PTYPD1	1653	3.39	7.47	1.0	95.0
S10PTYPD1	2510	3.19	7.62	1.0	96.0
S11PTYPD1	2443	2.96	3.04	1.0	16.0
S12PTYPD1	2059	2.79	2.82	1.0	16.0
S13PTYPD1	2363	2.59	3.24	1.0	95.0
R9PTYPD2	648	5.92	12.88	1.0	96.0
R10PTYPD2	1109	6.29	15.53	1.0	96.0
R11PTYPD2	903	3.25	2.80	1.0	16.0
R12PTYPD2	723	3.22	2.75	1.0	16.0
R13PTYPD2	765	3.25	2.60	1.0	16.0
S9PTYPD2	499	5.78	12.73	1.0	96.0
S10PTYPD2	784	6.17	15.56	1.0	96.0
S11PTYPD2	655	3.25	2.86	1.0	16.0
S12PTYPD2	527	3.13	2.62	1.0	16.0
S13PTYPD2	551	3.12	2.52	1.0	16.0
R9PTYPD3	74	11.85	22.95	1.0	96.0
R10PTYPD3	139	12.10	24.91	1.0	96.0
R11PTYPD3	133	4.13	3.27	1.0	16.0
R12PTYPD3	104	4.10	3.25	1.0	14.0

R13PTYPD3	80	4.06	3.01	1.0	13.0
S9PTYPD3	61	12.00	22.63	1.0	96.0
S10PTYPD3	100	11.29	23.58	1.0	96.0
S11PTYPD3	98	3.82	3.03	1.0	13.0
S12PTYPD3	79	4.27	3.50	1.0	14.0
S13PTYPD3	61	4.18	3.20	1.0	13.0
R9PTYPD4	4	8.25	6.13	2.0	14.0
R10PTYPD4	12	27.25	41.50	2.0	96.0
R11PTYPD4	12	3.50	1.73	1.0	7.0
R12PTYPD4	9	4.44	2.60	1.0	10.0
R13PTYPD4	7	2.43	1.99	1.0	6.0
S9PTYPD4	3	10.33	5.51	4.0	14.0
S10PTYPD4	9	35.00	45.79	2.0	96.0
S11PTYPD4	8	3.13	1.89	1.0	7.0
S12PTYPD4	6	4.83	2.79	3.0	10.0
S13PTYPD4	4	1.50	1.00	1.0	3.0
R9PTYPF1	2422	0.68	0.47	0.0	1.0
R10PTYPF1	3862	0.63	0.48	0.0	1.0
R11PTYPF1	3593	0.59	0.49	0.0	1.0
R12PTYPF1	3027	0.65	0.48	0.0	1.0
R13PTYPF1	3684	0.63	0.48	0.0	1.0
S9PTYPF1	1804	0.69	0.46	0.0	1.0
S10PTYPF1	2735	0.64	0.48	0.0	1.0
S11PTYPF1	2571	0.60	0.49	0.0	1.0
S12PTYPF1	2156	0.66	0.48	0.0	1.0
S13PTYPF1	2453	0.63	0.48	0.0	1.0
R9PTYPF2	706	0.73	0.44	0.0	1.0
R10PTYPF2	1172	0.71	0.45	0.0	1.0
R11PTYPF2	952	0.60	0.49	0.0	1.0
R12PTYPF2	752	0.61	0.49	0.0	1.0
R13PTYPF2	792	0.66	0.48	0.0	1.0
S9PTYPF2	535	0.74	0.44	0.0	1.0
S10PTYPF2	833	0.72	0.45	0.0	1.0
S11PTYPF2	687	0.60	0.49	0.0	1.0
S12PTYPF2	546	0.62	0.49	0.0	1.0
S13PTYPF2	567	0.67	0.47	0.0	1.0
R9PTYPF3	79	0.73	0.44	0.0	1.0
R10PTYPF3	140	0.76	0.43	0.0	1.0
R11PTYPF3	139	0.63	0.48	0.0	1.0
R12PTYPF3	107	0.63	0.49	0.0	1.0
R13PTYPF3	80	0.69	0.47	0.0	1.0
S9PTYPF3	64	0.72	0.45	0.0	1.0
S10PTYPF3	101	0.75	0.43	0.0	1.0
S11PTYPF3	103	0.66	0.48	0.0	1.0
S12PTYPF3	82	0.61	0.49	0.0	1.0
S13PTYPF3	61	0.69	0.47	0.0	1.0
R9PTYPF4	5	0.40	0.55	0.0	1.0
R10PTYPF4	9	0.78	0.44	0.0	1.0
R11PTYPF4	13	0.69	0.48	0.0	1.0

R12PTYPF4	10	0.60	0.52	0.0	1.0
R13PTYPF4	7	0.57	0.53	0.0	1.0
S9PTYPF4	4	0.50	0.58	0.0	1.0
S10PTYPF4	6	0.83	0.41	0.0	1.0
S11PTYPF4	9	0.78	0.44	0.0	1.0
S12PTYPF4	7	0.71	0.49	0.0	1.0
S13PTYPF4	4	0.75	0.50	0.0	1.0

Categorical Variable Codes

RwPTYPD1: Current pension type in detail #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									303	381
.M=Oth missing										
.O=Other (Specify)									84	163
.R=RF									5	11
.S=No pen									14634	17950
1.401k plan									1217	1918
2.Supplemental retirement a									93	273
3.Defined benefit plan									368	482
4.Defined contribution plan									178	377
5.401a plan									1	9
6.403b plan									107	203
7.457 plan									11	11
8.Thrift/savings plan (TSP)									39	81
9.Profit-sharing plan									59	55
10.Employee stock ownership									27	25
11.Money purchase plan									1	
12.Portable cash option pla										
13.Employee stock purchase									7	5
14.SEP or SIMPLE plan									55	46
15.Combination plan									13	15
16.Cash balance plan									5	4
95.IRA/Keogh									10	17
96.Not pension, health plan										8

Value	w11	w12	w13
.D=DK	188	122	143
.M=Oth missing	9	12	14
.O=Other (Specify)	249	201	212
.R=RF	94	83	75
.S=No pen	16622	15444	16933
1.401k plan	1789	1570	2128
2.Supplemental retirement a	196	123	86
3.Defined benefit plan	381	330	382
4.Defined contribution plan	476	424	496
5.401a plan	8	11	13
6.403b plan	209	179	205
7.457 plan	36	32	29
8.Thrift/savings plan (TSP)	85	64	64
9.Profit-sharing plan	59	44	34
10.Employee stock ownership	41	28	17
11.Money purchase plan			1
12.Portable cash option pla	2	1	
13.Employee stock purchase	18	12	13
14.SEP or SIMPLE plan	69	45	46
15.Combination plan	17	16	14
16.Cash balance plan	6	6	6

95.IRA/Keogh	|	1
96.Not pension, health plan	|	

SwPTYPD1: Current pension type in detail #1

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|									196	252
.M=Oth missing	|										
.O=Other (Specify)	|									64	111
.R=RF	|									3	9
.S=No pen	|									8730	10631
.U=Umarried	|									6206	7799
.V=Spouse NR	|									365	722
1.401k plan	|									915	1371
2.Supplemental retirement a	|									70	184
3.Defined benefit plan	|									270	344
4.Defined contribution plan	|									134	267
5.401a plan	|										7
6.403b plan	|									85	137
7.457 plan	|									6	7
8.Thrift/savings plan (TSP)	|									28	60
9.Profit-sharing plan	|									49	45
10.Employee stock ownership	|									22	19
11.Money purchase plan	|									1	
12.Portable cash option pla	|										
13.Employee stock purchase	|									7	2
14.SEP or SIMPLE plan	|									43	39
15.Combination plan	|									11	11
16.Cash balance plan	|									3	2
95.IRA/Keogh	|									9	11
96.Not pension, health plan	|										4

Value	|	w11	w12	w13
.D=DK	|	116	79	83
.M=Oth missing	|	6	8	8
.O=Other (Specify)	|	167	130	134
.R=RF	|	65	54	50
.S=No pen	|	9691	8682	9141
.U=Umarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
1.401k plan	|	1301	1140	1422
2.Supplemental retirement a	|	139	90	65
3.Defined benefit plan	|	266	226	252
4.Defined contribution plan	|	328	301	337
5.401a plan	|	7	9	8
6.403b plan	|	148	114	131
7.457 plan	|	27	24	20
8.Thrift/savings plan (TSP)	|	63	42	36
9.Profit-sharing plan	|	46	37	25
10.Employee stock ownership	|	35	24	14
11.Money purchase plan	|			
12.Portable cash option pla	|	1	1	
13.Employee stock purchase	|	10	4	6
14.SEP or SIMPLE plan	|	56	33	32
15.Combination plan	|	13	12	11
16.Cash balance plan	|	3	2	3
95.IRA/Keogh	|			1
96.Not pension, health plan	|			

RwPTYPD2: Current pension type in detail #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									108	113
.M=Oth missing									1	17
.O=Other (Specify)									32	78
.R=RF									3	12
.S=No pen									16425	20705
1.401k plan									224	356
2.Supplemental retirement a									61	172
3.Defined benefit plan									87	152
4.Defined contribution plan									52	107
5.401a plan									3	2
6.403b plan									50	93
7.457 plan									18	39
8.Thrift/savings plan (TSP)									38	50
9.Profit-sharing plan									42	38
10.Employee stock ownership									25	28
11.Money purchase plan									1	
13.Employee stock purchase									21	31
14.SEP or SIMPLE plan									4	3
15.Combination plan									2	2
16.Cash balance plan									8	5
95.IRA/Keogh									4	4
96.Not pension, health plan									8	27

Value	w11	w12	w13
.D=DK	38	22	21
.M=Oth missing	4		2
.O=Other (Specify)	98	78	72
.R=RF	21	14	11
.S=No pen	19490	17910	20041
1.401k plan	361	295	281
2.Supplemental retirement a	52	38	33
3.Defined benefit plan	164	125	166
4.Defined contribution plan	158	126	147
5.401a plan	7	4	5
6.403b plan	66	64	67
7.457 plan	18	19	19
8.Thrift/savings plan (TSP)	23	13	14
9.Profit-sharing plan	19	14	10
10.Employee stock ownership	15	11	10
11.Money purchase plan			
13.Employee stock purchase	6	2	4
14.SEP or SIMPLE plan	6	5	2
15.Combination plan	4	4	2
16.Cash balance plan	4	3	5
95.IRA/Keogh			
96.Not pension, health plan			

SwPTYPD2: Current pension type in detail #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									72	83
.M=Oth missing									1	12
.O=Other (Specify)									22	50
.R=RF									2	9
.S=No pen									10050	12575
.U=Umarried									6206	7799
.V=Spouse NR									365	722
1.401k plan									172	262
2.Supplemental retirement a									53	124
3.Defined benefit plan									66	110
4.Defined contribution plan									41	68
5.401a plan									3	2
6.403b plan									38	70
7.457 plan									10	29
8.Thrift/savings plan (TSP)									30	27
9.Profit-sharing plan									35	24
10.Employee stock ownership									17	20
11.Money purchase plan									1	
13.Employee stock purchase									16	18
14.SEP or SIMPLE plan									2	3
15.Combination plan									1	2
16.Cash balance plan									5	3
95.IRA/Keogh									2	3
96.Not pension, health plan									7	19

Value	w11	w12	w13
.D=DK	21	13	13
.M=Oth missing	4		1
.O=Other (Specify)	73	53	47
.R=RF	14	10	7
.S=No pen	11721	10409	11160
.U=Umarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.401k plan	265	226	222
2.Supplemental retirement a	37	22	19
3.Defined benefit plan	112	85	113
4.Defined contribution plan	123	95	104
5.401a plan	6	2	3
6.403b plan	43	48	44
7.457 plan	15	15	14
8.Thrift/savings plan (TSP)	13	9	9
9.Profit-sharing plan	16	10	6
10.Employee stock ownership	8	8	9
11.Money purchase plan			
13.Employee stock purchase	5		4
14.SEP or SIMPLE plan	5	4	1
15.Combination plan	3	2	2
16.Cash balance plan	4	1	1
95.IRA/Keogh			
96.Not pension, health plan			

RwPTYPD3: Current pension type in detail #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									16	18
.M=Oth missing										18
.O=Other (Specify)									5	16
.R=RF									5	8
.S=No pen								17117	21835	
1.401k plan									11	23
2.Supplemental retirement a									7	23
3.Defined benefit plan									6	11
4.Defined contribution plan									11	21
5.401a plan									2	2
6.403b plan									3	11
7.457 plan									5	7
8.Thrift/savings plan (TSP)									3	3
9.Profit-sharing plan									4	3
10.Employee stock ownership									10	16
11.Money purchase plan										1
12.Portable cash option pla									1	
13.Employee stock purchase									6	6
14.SEP or SIMPLE plan										
16.Cash balance plan										1
95.IRA/Keogh									3	1
96.Not pension, health plan									2	10

Value	w11	w12	w13
.D=DK	9	3	1
.M=Oth missing			
.O=Other (Specify)	19	10	7
.R=RF	3		
.S=No pen	20390	18630	20824
1.401k plan	33	32	22
2.Supplemental retirement a	9	9	5
3.Defined benefit plan	29	11	9
4.Defined contribution plan	26	18	22
5.401a plan	1	1	
6.403b plan	14	12	6
7.457 plan	5	10	8
8.Thrift/savings plan (TSP)			1
9.Profit-sharing plan	2	1	1
10.Employee stock ownership	7	5	3
11.Money purchase plan			
12.Portable cash option pla		1	
13.Employee stock purchase	5	3	3
14.SEP or SIMPLE plan	1	1	
16.Cash balance plan	1		
95.IRA/Keogh			
96.Not pension, health plan			

SwPTYPD3: Current pension type in detail #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									11	10
.M=Oth missing										12
.O=Other (Specify)									3	13
.R=RF									4	7
.S=No pen								10567		13371
.U=Umarried								6206		7799
.V=Spouse NR								365		722
1.401k plan								8		16
2.Supplemental retirement a								5		17
3.Defined benefit plan								5		7
4.Defined contribution plan								10		18
5.401a plan								1		
6.403b plan								2		8
7.457 plan								4		4
8.Thrift/savings plan (TSP)								2		2
9.Profit-sharing plan								4		3
10.Employee stock ownership								9		12
11.Money purchase plan										1
12.Portable cash option pla								1		
13.Employee stock purchase								6		5
14.SEP or SIMPLE plan										
95.IRA/Keogh								2		1
96.Not pension, health plan								2		6

Value	w11	w12	w13
.D=DK	7	3	1
.M=Oth missing			
.O=Other (Specify)	17	6	6
.R=RF	1		
.S=No pen	12365	10924	11711
.U=Umarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.401k plan	29	25	18
2.Supplemental retirement a	6	7	3
3.Defined benefit plan	22	6	6
4.Defined contribution plan	17	15	16
5.401a plan	1	1	
6.403b plan	8	7	4
7.457 plan	4	7	7
8.Thrift/savings plan (TSP)			1
9.Profit-sharing plan	1	1	1
10.Employee stock ownership	7	5	2
11.Money purchase plan			
12.Portable cash option pla		1	
13.Employee stock purchase	3	3	3
14.SEP or SIMPLE plan		1	
95.IRA/Keogh			
96.Not pension, health plan			

RwPTYPD4: Current pension type in detail #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									4	6
.M=Oth missing										7
.O=Other (Specify)									1	1
.R=RF										1
.S=No pen								17208	22007	
1.401k plan										
2.Supplemental retirement a									1	2
3.Defined benefit plan										
4.Defined contribution plan									1	5
6.403b plan										1
7.457 plan										
9.Profit-sharing plan										1
10.Employee stock ownership										
13.Employee stock purchase									1	
14.SEP or SIMPLE plan									1	
96.Not pension, health plan										3

Value	w11	w12	w13
.D=DK		1	
.M=Oth missing			
.O=Other (Specify)	3	2	
.R=RF	1		
.S=No pen	20538	18735	20905
1.401k plan	2	1	4
2.Supplemental retirement a			
3.Defined benefit plan	5	3	1
4.Defined contribution plan	3	2	1
6.403b plan	1	2	1
7.457 plan	1		
9.Profit-sharing plan			
10.Employee stock ownership		1	
13.Employee stock purchase			
14.SEP or SIMPLE plan			
96.Not pension, health plan			

SwPTYPD4: Current pension type in detail #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK									4	3
.M=Oth missing										5
.O=Other (Specify)									1	
.R=RF										1
.S=No pen								10638	13495	
.U=Umarried								6206	7799	
.V=Spouse NR								365	722	
1.401k plan										
2.Supplemental retirement a										1
3.Defined benefit plan										
4.Defined contribution plan									1	4
6.403b plan										
7.457 plan										
9.Profit-sharing plan										1
10.Employee stock ownership										
13.Employee stock purchase									1	
14.SEP or SIMPLE plan									1	
96.Not pension, health plan										3

Value	w11	w12	w13
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.D=DK			1	
.M=Oth missing				
.O=Other (Specify)		2	1	
.R=RF		1		
.S=No pen		12477	11004	11775
.U=Umarried		7474	7125	8024
.V=Spouse NR	|	592	610	1109
1.401k plan	|	2		3
2.Supplemental retirement a	|			
3.Defined benefit plan	|	4	3	1
4.Defined contribution plan	|	1	1	
6.403b plan	|		1	
7.457 plan	|	1		
9.Profit-sharing plan	|			
10.Employee stock ownership	|		1	
13.Employee stock purchase	|			
14.SEP or SIMPLE plan	|			
96.Not pension, health plan	|			

RwPTYPF1: Does pension type match detail? #1

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|									156	211
.M=Oth missing	|										
.N=Not a pension, other	|										8
.R=RF	|									5	3
.S=Skip	|									14634	17950
0.No	|									782	1427
1.Yes	|									1640	2435

Value	|	w11	w12	w13
.D=DK/NA	|	333	240	271
.M=Oth missing	|		5	2
.N=Not a pension, other	|			
.R=RF	|	6	31	22
.S=Skip	|	16622	15444	16933
0.No	|	1482	1068	1367
1.Yes	|	2111	1959	2317

SwPTYPF1: Does pension type match detail? #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									109	140
.M=Oth missing										
.N=Not a pension, other										4
.R=RF									3	3
.S=Skip								8730	10631	
.U=Unmarried								6206	7799	
.V=Spouse NR								365	722	
0.No								556	991	
1.Yes								1248	1744	

Value	w11	w12	w13
.D=DK/NA	222	153	166
.M=Oth missing		4	2
.N=Not a pension, other			
.R=RF	4	17	17
.S=Skip	9691	8682	9141
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	1023	741	896
1.Yes	1548	1415	1557

RwPTYPF2: Does pension type match detail? #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									75	105
.M=Oth missing									1	15
.N=Not a pension, other									8	27
.R=RF									2	10
.S=Skip								16425	20705	
0.No								188	341	
1.Yes								518	831	

Value	w11	w12	w13
.D=DK/NA	110	83	78
.M=Oth missing			1
.N=Not a pension, other			
.R=RF	2	2	
.S=Skip	19490	17910	20041
0.No	384	291	273
1.Yes	568	461	519

SwPTYPF2: Does pension type match detail? #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									52	69
.M=Oth missing									1	10
.N=Not a pension, other									7	19
.R=RF									1	7
.S=Skip								10050	12575	
.U=Unmarried								6206	7799	
.V=Spouse NR								365	722	
0.No								139	230	
1.Yes								396	603	

Value	w11	w12	w13
.D=DK/NA	79	55	51
.M=Oth missing			1
.N=Not a pension, other			
.R=RF	1	2	
.S=Skip	11721	10409	11160
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	272	208	189
1.Yes	415	338	378

RwPTYPF3: Does pension type match detail? #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									14	26
.M=Oth missing										18
.N=Not a pension, other									2	10
.R=RF									5	5
.S=Skip								17117	21835	
0.No								21	34	
1.Yes								58	106	

Value	w11	w12	w13
.D=DK/NA	24	10	8
.M=Oth missing			
.N=Not a pension, other			
.R=RF	1		
.S=Skip	20390	18630	20824
0.No	51	40	25
1.Yes	88	67	55

SwPTYPF3: Does pension type match detail? #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									9	19
.M=Oth missing										12
.N=Not a pension, other									2	6
.R=RF									4	4
.S=Skip								10567		13371
.U=Unmarried								6206		7799
.V=Spouse NR								365		722
0.No									18	25
1.Yes									46	76

Value	w11	w12	w13
.D=DK/NA	20	6	7
.M=Oth missing			
.N=Not a pension, other			
.R=RF			
.S=Skip	12365	10924	11711
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	35	32	19
1.Yes	68	50	42

RwPTYPF4: Does pension type match detail? #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									4	7
.M=Oth missing										7
.N=Not a pension, other										3
.R=RF										1
.S=Skip								17208		22007
0.No									3	2
1.Yes									2	7

Value	w11	w12	w13
.D=DK/NA	3	2	
.M=Oth missing			
.N=Not a pension, other			
.R=RF			
.S=Skip	20538	18735	20905
0.No	4	4	3
1.Yes	9	6	4

SwPTYPF4: Does pension type match detail? #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA									4	3
.M=Oth missing										5
.N=Not a pension, other										3
.R=RF										1
.S=Skip								10638	13495	
.U=Unmarried								6206	7799	
.V=Spouse NR								365	722	
0.No									2	1
1.Yes									2	5

Value	w11	w12	w13
.D=DK/NA	2	1	
.M=Oth missing			
.N=Not a pension, other			
.R=RF			
.S=Skip	12477	11004	11775
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	2	2	1
1.Yes	7	5	3

Format Reference Tables – complete variable value labels

Variables: PTYPD1, PTYPD2, PTYPD3, PTYPD4

.D=DK
.M=Oth missing
.O=Other (Specify)
.Q=Not asked this wv
.R=RF
.S=No pen
.U=Umarried
.V=Spouse NR
.W=Not working
1.401k plan
2.Supplemental retirement acc
3.Defined benefit plan
4.Defined contribution plan
5.401a plan
6.403b plan
7.457 plan
8.Thrift/savings plan (TSP)
9.Profit-sharing plan
10.Employee stock ownership
11.Money purchase plan
12.Portable cash option plan
13.Employee stock purchase
14.SEP or SIMPLE plan
15.Combination plan
16.Cash balance plan
95.IRA/Keogh
96.Not pension, health plan mentioned

How Constructed

RwPTYPD1, RwPTYPD2, RwPTYPD3 and RwPTYPD4 indicate the detailed types of pension plans in which the Respondent is included for the current job. This is a new question starting in Wave 9. SwPTYPD1, SwPTYPD2, SwPTYPD3 and SwPTYPD4 provide this information for the Respondent's spouse or partner.

From Wave 9 forward, if the Respondent is included in a pension in her/his current job then s/he is asked what her/his employer calls the plan. The Respondent may identify the plan type from a list of different plans such as 401K or 403B. In Wave 9, two new codes were added: "IRA/Keogh" (95) and "health savings account/medical plan/flexible spending account/disability mentioned" (96). RwPTYPD1-4 is recoded from these two codes to "96:Not a pension." In Wave 10, code 95 was dropped and code 96 was simplified to "Not a pension." In Wave 11, the pension questionnaire changed, but the Respondent is still asked what type of pension s/he has, so the response remains the same.

RwPTYPD1, RwPTYPD2, RwPTYPD3 and RwPTYPD4 are set to the type of pensions that the Respondent reports. The plan type is simply recoded for missing values. It is set to .S if the question is skipped because the Respondent does not have the pension, e.g., if the Respondent has one pension, RwPTYPD2 to RwPTYPD3 (or RwPTYPD4 from Wave 5 on) are set to .S. They are also set to .S if the Respondent does not have a pension on the current job, did not provide a number of pensions, or is not working.

From Wave 9 forward, there are two RAND HRS pension type variables: RwPTYPD1-4 indicates if a plan is DB, DC, Both, or Not a Pension and RwPTYPF1-4 indicates what the Respondent's employer calls her/his plan. The flags RwPTYPF1, RwPTYPF2, RwPTYPF3 and RwPTYPF4 provide a crosswalk between the two plan type variables. They indicate whether the Respondent's responses in RwPTYPD1-4 match those in RwPTYPF1-4.

RwPTYPF1-4 = 1 if the Respondent can correctly identify a DB and DC plan from the employer list.

RwPTYPF1-4 = 0 if the Respondent cannot identify a DB and DC plan from the employer list.

RwPTYPF1-4 = .S if the Respondent does not report a pension.

RwPTYPF1-4 = .R if the Respondent refused to answer both RwPTYPD1 and RwPTYPF1.

RwPTYPF1-4 = .N if the Respondent reports "Not a pension" in RwPTYPD1-4.

RwPTYPF1-4 = .D if both RwPTYPDx and RwPTYPFx report DK or if RwPTYPFx is reported as '.O Other.' As we do not have information on what the 'Other' plan is, we cannot say if the Respondent has correctly identified it as DB or DC.

SwPTYPD1-4 and SwPTYPF1-4 information is taken from the spouse's self-reported RwPTYPD1-4 and RwPTYPF1-4 variables, if available. If the Respondent is not married, SwPTYPD1-4 and SwPTYPF1-4 are set to .U=unmarried. If the Respondent's spouse did not respond, then SwPTYPD1-4 and SwPTYPF1-4 are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

From Wave 9 forward, the question asks about pension plans associated with the Respondent's current job.

If the Respondent reports having one or more pension plans from the current job, the number of pensions is ascertained and the Respondent is asked "What does your employer call your plan?" This detailed type of pension is requested for up to four pensions. If the Respondent has multiple plans of different types, the most important plan is recorded rather than combining them as "Combination Plan."

Prior to Wave 11, the Respondent was asked to list her/his pensions in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all her/his pensions, with no regard to importance.

The Respondent is also asked "Is your plan Type A or Type B?" The response may be Type A, Type B, or both. RwPTYPF1-4 tells us if the Respondent correctly identifies the employer plan name as DB, DC or both.

HRS Variables Used

HRS 2008-2010:

xJ338_1	PENSION PLAN TYPE- 1
xJ338_2	PENSION PLAN TYPE- 2
xJ338_3	PENSION PLAN TYPE- 3
xJ338_4	PENSION PLAN TYPE- 4
xJ393_1	CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
xJ393_2	CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
xJ393_3	CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
xJ393_4	CERTAINTY ABOUT THE PLAN NAME-BRIEF -4

HRS 2012-2016:

xJ2338_1	PENSION PLAN TYPE-DB OR DC -1_1
xJ2338_10	PENSION PLAN TYPE-DB OR DC -1_10
xJ2338_2	PENSION PLAN TYPE-DB OR DC -1_2
xJ2338_3	PENSION PLAN TYPE-DB OR DC -1_3
xJ2338_4	PENSION PLAN TYPE-DB OR DC -1_4
xJ2338_5	PENSION PLAN TYPE-DB OR DC -1_5
xJ2338_6	PENSION PLAN TYPE-DB OR DC -1_6
xJ2338_7	PENSION PLAN TYPE-DB OR DC -1_7
xJ2338_8	PENSION PLAN TYPE-DB OR DC -1_8
xJ2338_9	PENSION PLAN TYPE-DB OR DC -1_9
xJ2W407_1	TYPE -1_1
xJ2W407_10	TYPE -1_10
xJ2W407_2	TYPE -1_2
xJ2W407_3	TYPE -1_3
xJ2W407_4	TYPE -1_4
xJ2W407_5	TYPE -1_5
xJ2W407_6	TYPE -1_6
xJ2W407_7	TYPE -1_7
xJ2W407_8	TYPE -1_8
xJ2W407_9	TYPE -1_9

HRS 2014-2016:

xJ2Z140_1	PREV WAVE OLD PENSION TYPE_1
xJ2Z140_10	PREV WAVE OLD PENSION TYPE_10
xJ2Z140_2	PREV WAVE OLD PENSION TYPE_2
xJ2Z140_3	PREV WAVE OLD PENSION TYPE_3
xJ2Z140_4	PREV WAVE OLD PENSION TYPE_4
xJ2Z140_5	PREV WAVE OLD PENSION TYPE_5
xJ2Z140_6	PREV WAVE OLD PENSION TYPE_6
xJ2Z140_7	PREV WAVE OLD PENSION TYPE_7
xJ2Z140_8	PREV WAVE OLD PENSION TYPE_8
xJ2Z140_9	PREV WAVE OLD PENSION TYPE_9

Respondent's annual contribution to DC plan from current job

Wave	Variable	Label	Type
1	R1DCCONT1	R1DCCONT1:W1 Employee contribution to DC plan #1	Cont
2	R2DCCONT1	R2DCCONT1:W2 Employee contribution to DC plan #1	Cont
3	R3DCCONT1	R3DCCONT1:W3 Employee contribution to DC plan #1	Cont
4	R4DCCONT1	R4DCCONT1:W4 Employee contribution to DC plan #1	Cont
5	R5DCCONT1	R5DCCONT1:W5 Employee contribution to DC plan #1	Cont
6	R6DCCONT1	R6DCCONT1:W6 Employee contribution to DC plan #1	Cont
7	R7DCCONT1	R7DCCONT1:W7 Employee contribution to DC plan #1	Cont
8	R8DCCONT1	R8DCCONT1:W8 Employee contribution to DC plan #1	Cont
9	R9DCCONT1	R9DCCONT1:W9 Employee contribution to DC plan #1	Cont
10	R10DCCONT1	R10DCCONT1:W10 Employee contribution to DC plan #1	Cont
11	R11DCCONT1	R11DCCONT1:W11 Employee contribution to DC plan #1	Cont
12	R12DCCONT1	R12DCCONT1:W12 Employee contribution to DC plan #1	Cont
13	R13DCCONT1	R13DCCONT1:W13 Employee contribution to DC plan #1	Cont
1	S1DCCONT1	S1DCCONT1:W1 Employee contribution to DC plan #1	Cont
2	S2DCCONT1	S2DCCONT1:W2 Employee contribution to DC plan #1	Cont
3	S3DCCONT1	S3DCCONT1:W3 Employee contribution to DC plan #1	Cont
4	S4DCCONT1	S4DCCONT1:W4 Employee contribution to DC plan #1	Cont
5	S5DCCONT1	S5DCCONT1:W5 Employee contribution to DC plan #1	Cont
6	S6DCCONT1	S6DCCONT1:W6 Employee contribution to DC plan #1	Cont
7	S7DCCONT1	S7DCCONT1:W7 Employee contribution to DC plan #1	Cont
8	S8DCCONT1	S8DCCONT1:W8 Employee contribution to DC plan #1	Cont
9	S9DCCONT1	S9DCCONT1:W9 Employee contribution to DC plan #1	Cont
10	S10DCCONT1	S10DCCONT1:W10 Employee contribution to DC plan #1	Cont
11	S11DCCONT1	S11DCCONT1:W11 Employee contribution to DC plan #1	Cont
12	S12DCCONT1	S12DCCONT1:W12 Employee contribution to DC plan #1	Cont
13	S13DCCONT1	S13DCCONT1:W13 Employee contribution to DC plan #1	Cont
1	R1DCCONT2	R1DCCONT2:W1 Employee contribution to DC plan #2	Cont
2	R2DCCONT2	R2DCCONT2:W2 Employee contribution to DC plan #2	Cont
3	R3DCCONT2	R3DCCONT2:W3 Employee contribution to DC plan #2	Cont
4	R4DCCONT2	R4DCCONT2:W4 Employee contribution to DC plan #2	Cont
5	R5DCCONT2	R5DCCONT2:W5 Employee contribution to DC plan #2	Cont
6	R6DCCONT2	R6DCCONT2:W6 Employee contribution to DC plan #2	Cont
7	R7DCCONT2	R7DCCONT2:W7 Employee contribution to DC plan #2	Cont
8	R8DCCONT2	R8DCCONT2:W8 Employee contribution to DC plan #2	Cont
9	R9DCCONT2	R9DCCONT2:W9 Employee contribution to DC plan #2	Cont
10	R10DCCONT2	R10DCCONT2:W10 Employee contribution to DC plan #2	Cont
11	R11DCCONT2	R11DCCONT2:W11 Employee contribution to DC plan #2	Cont
12	R12DCCONT2	R12DCCONT2:W12 Employee contribution to DC plan #2	Cont
13	R13DCCONT2	R13DCCONT2:W13 Employee contribution to DC plan #2	Cont
1	S1DCCONT2	S1DCCONT2:W1 Employee contribution to DC plan #2	Cont
2	S2DCCONT2	S2DCCONT2:W2 Employee contribution to DC plan #2	Cont
3	S3DCCONT2	S3DCCONT2:W3 Employee contribution to DC plan #2	Cont
4	S4DCCONT2	S4DCCONT2:W4 Employee contribution to DC plan #2	Cont
5	S5DCCONT2	S5DCCONT2:W5 Employee contribution to DC plan #2	Cont
6	S6DCCONT2	S6DCCONT2:W6 Employee contribution to DC plan #2	Cont
7	S7DCCONT2	S7DCCONT2:W7 Employee contribution to DC plan #2	Cont
8	S8DCCONT2	S8DCCONT2:W8 Employee contribution to DC plan #2	Cont
9	S9DCCONT2	S9DCCONT2:W9 Employee contribution to DC plan #2	Cont
10	S10DCCONT2	S10DCCONT2:W10 Employee contribution to DC plan #2	Cont
11	S11DCCONT2	S11DCCONT2:W11 Employee contribution to DC plan #2	Cont
12	S12DCCONT2	S12DCCONT2:W12 Employee contribution to DC plan #2	Cont
13	S13DCCONT2	S13DCCONT2:W13 Employee contribution to DC plan #2	Cont
1	R1DCCONT3	R1DCCONT3:W1 Employee contribution to DC plan #3	Cont
2	R2DCCONT3	R2DCCONT3:W2 Employee contribution to DC plan #3	Cont
3	R3DCCONT3	R3DCCONT3:W3 Employee contribution to DC plan #3	Cont
4	R4DCCONT3	R4DCCONT3:W4 Employee contribution to DC plan #3	Cont
5	R5DCCONT3	R5DCCONT3:W5 Employee contribution to DC plan #3	Cont
6	R6DCCONT3	R6DCCONT3:W6 Employee contribution to DC plan #3	Cont
7	R7DCCONT3	R7DCCONT3:W7 Employee contribution to DC plan #3	Cont
8	R8DCCONT3	R8DCCONT3:W8 Employee contribution to DC plan #3	Cont
9	R9DCCONT3	R9DCCONT3:W9 Employee contribution to DC plan #3	Cont
10	R10DCCONT3	R10DCCONT3:W10 Employee contribution to DC plan #3	Cont

11	R11DCCONT3	R11DCCONT3:W11 Employee contribution to DC plan #3	Cont
12	R12DCCONT3	R12DCCONT3:W12 Employee contribution to DC plan #3	Cont
13	R13DCCONT3	R13DCCONT3:W13 Employee contribution to DC plan #3	Cont
1	S1DCCONT3	S1DCCONT3:W1 Employee contribution to DC plan #3	Cont
2	S2DCCONT3	S2DCCONT3:W2 Employee contribution to DC plan #3	Cont
3	S3DCCONT3	S3DCCONT3:W3 Employee contribution to DC plan #3	Cont
4	S4DCCONT3	S4DCCONT3:W4 Employee contribution to DC plan #3	Cont
5	S5DCCONT3	S5DCCONT3:W5 Employee contribution to DC plan #3	Cont
6	S6DCCONT3	S6DCCONT3:W6 Employee contribution to DC plan #3	Cont
7	S7DCCONT3	S7DCCONT3:W7 Employee contribution to DC plan #3	Cont
8	S8DCCONT3	S8DCCONT3:W8 Employee contribution to DC plan #3	Cont
9	S9DCCONT3	S9DCCONT3:W9 Employee contribution to DC plan #3	Cont
10	S10DCCONT3	S10DCCONT3:W10 Employee contribution to DC plan #3	Cont
11	S11DCCONT3	S11DCCONT3:W11 Employee contribution to DC plan #3	Cont
12	S12DCCONT3	S12DCCONT3:W12 Employee contribution to DC plan #3	Cont
13	S13DCCONT3	S13DCCONT3:W13 Employee contribution to DC plan #3	Cont
5	R5DCCONT4	R5DCCONT4:W5 Employee contribution to DC plan #4	Cont
6	R6DCCONT4	R6DCCONT4:W6 Employee contribution to DC plan #4	Cont
7	R7DCCONT4	R7DCCONT4:W7 Employee contribution to DC plan #4	Cont
8	R8DCCONT4	R8DCCONT4:W8 Employee contribution to DC plan #4	Cont
9	R9DCCONT4	R9DCCONT4:W9 Employee contribution to DC plan #4	Cont
10	R10DCCONT4	R10DCCONT4:W10 Employee contribution to DC plan #4	Cont
11	R11DCCONT4	R11DCCONT4:W11 Employee contribution to DC plan #4	Cont
12	R12DCCONT4	R12DCCONT4:W12 Employee contribution to DC plan #4	Cont
13	R13DCCONT4	R13DCCONT4:W13 Employee contribution to DC plan #4	Cont
5	S5DCCONT4	S5DCCONT4:W5 Employee contribution to DC plan #4	Cont
6	S6DCCONT4	S6DCCONT4:W6 Employee contribution to DC plan #4	Cont
7	S7DCCONT4	S7DCCONT4:W7 Employee contribution to DC plan #4	Cont
8	S8DCCONT4	S8DCCONT4:W8 Employee contribution to DC plan #4	Cont
9	S9DCCONT4	S9DCCONT4:W9 Employee contribution to DC plan #4	Cont
10	S10DCCONT4	S10DCCONT4:W10 Employee contribution to DC plan #4	Cont
11	S11DCCONT4	S11DCCONT4:W11 Employee contribution to DC plan #4	Cont
12	S12DCCONT4	S12DCCONT4:W12 Employee contribution to DC plan #4	Cont
13	S13DCCONT4	S13DCCONT4:W13 Employee contribution to DC plan #4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DCCONT1	1420	2210.33	8631.86	0.0	237500.0
R2DCCONT1	420	2667.67	9721.95	0.0	150000.0
R3DCCONT1	467	2142.12	3918.74	0.0	65000.0
R4DCCONT1	930	2921.36	3960.35	0.0	32500.0
R5DCCONT1	598	3666.28	15897.11	0.0	287040.0
R6DCCONT1	1199	3803.85	13446.37	0.0	396000.0
R7DCCONT1	1754	3785.44	8255.22	0.0	148956.0
R8DCCONT1	1412	3948.44	6070.11	0.0	54600.0
R9DCCONT1	1301	4813.82	6988.76	0.0	67500.0
R10DCCONT1	1966	5172.94	15399.02	0.0	572000.0
R11DCCONT1	1795	4103.06	6249.93	0.0	62400.0
R12DCCONT1	1772	4904.67	18604.55	0.0	733200.0
R13DCCONT1	2156	4894.37	8294.86	0.0	171500.0
S1DCCONT1	1117	2158.81	7986.29	0.0	237500.0
S2DCCONT1	329	2776.55	10250.47	0.0	150000.0
S3DCCONT1	361	2290.42	4288.13	0.0	65000.0
S4DCCONT1	723	3062.73	3980.10	0.0	32500.0
S5DCCONT1	441	4209.64	18419.32	0.0	287040.0
S6DCCONT1	909	3807.99	8094.57	0.0	156000.0
S7DCCONT1	1335	4178.99	9213.73	0.0	148956.0

S8DCCONT1	1073	4164.89	6322.37	0.0	54600.0
S9DCCONT1	1007	4973.78	7039.05	0.0	67500.0
S10DCCONT1	1408	5421.12	16662.08	0.0	572000.0
S11DCCONT1	1327	4357.04	6471.67	0.0	62400.0
S12DCCONT1	1293	5264.02	21436.27	0.0	733200.0
S13DCCONT1	1460	5103.85	9228.61	0.0	171500.0
R1DCCONT2	922	3220.59	7594.47	0.0	149552.0
R2DCCONT2	104	3287.22	6969.19	0.0	55800.0
R3DCCONT2	126	2970.64	6361.14	0.0	65000.0
R4DCCONT2	358	3082.41	3777.78	0.0	35400.0
R5DCCONT2	137	2589.89	3021.28	0.0	14560.0
R6DCCONT2	306	6188.85	24510.85	0.0	396000.0
R7DCCONT2	660	4101.00	7494.21	0.0	105000.0
R8DCCONT2	362	4157.63	5578.70	0.0	35000.0
R9DCCONT2	436	5500.79	18306.54	0.0	356400.0
R10DCCONT2	712	5054.31	8173.61	0.0	130000.0
R11DCCONT2	463	4612.21	6331.21	0.0	46153.8
R12DCCONT2	450	5204.10	6443.73	0.0	30000.0
R13DCCONT2	461	6197.06	19998.41	0.0	408000.0
S1DCCONT2	747	3320.77	8319.75	0.0	149552.0
S2DCCONT2	86	3097.94	6431.59	0.0	55800.0
S3DCCONT2	105	3255.25	6890.82	0.0	65000.0
S4DCCONT2	287	3124.95	3765.03	0.0	35400.0
S5DCCONT2	102	2583.18	2831.88	0.0	12200.0
S6DCCONT2	234	5066.92	8954.93	0.0	90000.0
S7DCCONT2	505	4512.61	8314.21	0.0	105000.0
S8DCCONT2	270	4650.77	5978.87	0.0	35000.0
S9DCCONT2	339	5853.86	20472.59	0.0	356400.0
S10DCCONT2	518	4993.52	6464.17	0.0	48000.0
S11DCCONT2	340	4836.46	6701.18	0.0	46153.8
S12DCCONT2	330	5668.84	6800.01	0.0	30000.0
S13DCCONT2	327	5756.68	6624.88	0.0	40000.0
R1DCCONT3	98	2384.29	2574.55	0.0	11200.0
R2DCCONT3	22	2115.05	3244.74	0.0	10000.0
R3DCCONT3	19	1592.82	2808.46	0.0	9400.0
R4DCCONT3	46	3356.76	11421.44	0.0	76076.0
R5DCCONT3	22	1041.19	2603.65	0.0	12200.0
R6DCCONT3	28	2136.98	3106.26	0.0	10800.0
R7DCCONT3	86	3795.63	6389.99	0.0	42000.0
R8DCCONT3	31	3322.12	4851.87	0.0	20000.0
R9DCCONT3	52	3628.15	5939.26	0.0	20000.0
R10DCCONT3	93	3964.34	8382.90	0.0	56160.0
R11DCCONT3	71	4780.62	7394.46	0.0	31500.0
R12DCCONT3	74	3910.33	4903.54	0.0	19200.0
R13DCCONT3	57	7021.91	10330.15	0.0	60000.0
S1DCCONT3	76	2356.64	2528.14	0.0	11200.0
S2DCCONT3	19	1835.11	2913.16	0.0	7956.0
S3DCCONT3	17	1734.33	2941.47	0.0	9400.0
S4DCCONT3	39	3901.31	12347.01	0.0	76076.0
S5DCCONT3	16	1129.92	3031.33	0.0	12200.0
S6DCCONT3	23	2199.17	3123.76	0.0	10800.0
S7DCCONT3	67	3855.88	6813.94	0.0	42000.0
S8DCCONT3	28	2888.77	4579.66	0.0	20000.0
S9DCCONT3	41	3387.03	5459.92	0.0	20000.0
S10DCCONT3	68	4281.26	9373.00	0.0	56160.0

S11DCCONT3	57	4928.29	7053.55	0.0	30000.0
S12DCCONT3	53	4101.32	5159.02	0.0	19200.0
S13DCCONT3	45	8036.24	11323.70	0.0	60000.0
R5DCCONT4	3	5596.15	5968.06	588.5	12200.0
R6DCCONT4	3	4680.00	8106.00	0.0	14040.0
R7DCCONT4	15	2000.43	3310.27	0.0	11520.0
R8DCCONT4	1	20000.00		20000.0	20000.0
R9DCCONT4	5	9874.06	20218.31	0.0	46000.0
R10DCCONT4	7	7324.40	16814.56	0.0	45230.8
R11DCCONT4	7	5567.51	10036.47	0.0	27450.0
R12DCCONT4	6	1123.60	2104.73	0.0	5241.6
R13DCCONT4	3	9666.67	12662.28	0.0	24000.0
S5DCCONT4	3	5596.15	5968.06	588.5	12200.0
S6DCCONT4	3	4680.00	8106.00	0.0	14040.0
S7DCCONT4	14	1643.31	3121.01	0.0	11520.0
S8DCCONT4	1	20000.00		20000.0	20000.0
S9DCCONT4	4	12295.00	22493.72	0.0	46000.0
S10DCCONT4	5	10046.15	19787.60	0.0	45230.8
S11DCCONT4	6	6221.15	10829.95	0.0	27450.0
S12DCCONT4	5	300.00	670.82	0.0	1500.0
S13DCCONT4	2	14500.00	13435.03	5000.0	24000.0

How Constructed

RwDCCONT1, RwDCCONT2, RwDCCONT3 and RwDCCONT4 indicate the amount in nominal dollars that the Respondent contributes annually to a defined contribution pension plan at her/his current, primary job. Before Wave 5, employee contributions may be reported for up to 3 plans. From Wave 5 through Wave 10, employee contributions may be reported for up to 4 plans. From Wave 11 forward, Respondents may report information on up to 10 plans, but we are limiting the RAND HRS Longitudinal File to the first four active plans as they appear in the data, to align with previous waves. SwDCCONT1, SwDCCONT2, SwDCCONT3 and SwDCCONT4 provide this information for the Respondent's spouse or partner.

If the Respondent is working for the same employer as in the previous wave and was previously included in a pension plan, then s/he is asked if the rules of the pension plan have changed. If the Respondent indicates that the rules have changed, s/he is asked the complete set of questions about newly reported pensions. Prior to Wave 6, if the rules have not changed, Respondents are not asked how much they contribute to the plan, and these responses are set to .Q. Beginning in Wave 6, all Respondents are asked how much they contribute to each defined contribution plan.

If the Respondent is included in a pension in her/his current job, then s/he is asked for the type of plan. In Waves 1-8 and Wave 11 forward, employee contributions are calculated for Respondents who indicate a plan type of Type B or both. In Waves 9-10, dollar amounts are calculated for Respondents who either a) consistently identify a defined contribution plan through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) indicate a plan type of Type B or both and have a high level of confidence in their plan type selection. In all Waves, Respondents who indicate a plan type of Type A (defined benefit), or who do not know or refuse to disclose the plan type, are set to .B.

In all Waves, Respondents have the option to report employee contributions as a percentage of their annual wages or as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are annualized. If the Respondent reports contributions as a percentage, annual contributions are calculated by multiplying the reported percent by the Respondent's annual wages from her/his current, primary job. If the Respondent reports contributions as a fixed dollar amount per time period, annual contributions are calculated based on the hours and weeks the Respondent reports working for her/his current, primary job.

If the amount contributed is missing, the variables are recoded. RwDCCONTx is set to .Q for defined contribution plans if the

questions are not asked of any Respondent in a given wave (e.g., Respondents to Wave 2A or Respondents with plans with no rule changes in Waves 2H-5). If the Respondent does not have a given pension plan, the variables are set to .S (e.g., if the Respondent has one pension, RwDCCONT2, RwDCCONT3, and from Wave 5 on, RwDCCONT4 equal .S). RwDCCONTx is also set to .S if the Respondent does not have a pension plan associated with the current job, or does not provide a number of pension plans in waves prior to 11. RwDCCONTx is set to .W if the Respondent is not working, and to .K if one of the following is missing: wage information, the amount period, hours worked or weeks worked on primary job.

Cross Wave Differences in Original HRS Data

In Waves 1-8 and Wave 11 forward, employee contributions to a defined contribution plan are calculated for Respondents who indicate a plan type equal to Type B or Both. In Waves 9 and 10, DC plans are defined in one of two ways: a) plans that are consistently identified as DC through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) plans with a type of Type B or Both where Respondents have a high level of confidence in their plan type selection.

The wording of the employee contribution question varies slightly across waves and in some cases, by plan type. In Waves 1, 2H, 3A and 3H, all Respondents are asked, "How much do you contribute (as a percent of your pay or amount of money per month or year)?" This wording is also used for Respondents in Wave 4 who indicate that they have a newly reported plan with a plan type of both.

In Waves 4-8, for Respondents who indicate a newly reported Type B plan, or who in Waves 6 and 8 indicate a previously reported plan, the question is worded as follows, "How much do you currently contribute, that is, what is the sum of any amount that you are required to contribute plus any amount that you voluntarily contribute?"

For newly reported plans with a plan type of both in Waves 5-8, the question is worded as, "How much do you currently contribute, either as a percent of your pay or as an amount of money per month or year?"

Beginning in Wave 9, two separate questions are asked of the Respondent about each plan. The first asks, "Do you make any contributions toward [that plan/(plan name)]?" The second has the same wording as those for newly reported plans in Waves 5-8.

In Waves 2H and 3A, the questions are asked separately for those employed by a firm and those that are self-employed. The question wording is the same in both places.

In Wave 3A, Respondents who work at a firm are asked to report on employee contributions to up to three plans. The self-employed are asked to report on only one plan.

In Waves 2H, 3A, 3H, 4 and 5, employee contribution questions are not asked of those who are with the same employer and who reported having a pension plan at the previous wave where the rules have not changed. The variables for these Respondents are set to .Q.

The questions are not asked in Wave 2A.

Beginning in Wave 5, a fourth plan is added if the Respondent reports having at least four plans.

Prior to Wave 11, the Respondent is asked to list her/his pensions in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all pension plans, with no regard to importance. We report employee contributions for up to the first four active plans in the data to remain consistent with earlier waves.

HRS Variables Used

HRS 1992:

V2909	F39:P1-TYPE OF PLAN
V2911	F41:P1- ADD TO ACCT
V2912	F41:P1-\$ ADD TO ACCT
V2913	F41:P1-ADD TO ACCT-FREQ
V2937	F57:TB/P1: YOU CONTRIB

V2938	F57:TB/P1:\$ YOU CONTRIB
V2939	F57:TB/P1:FREQ YOU CONTR
V3009	F39:P2-TYPE OF PLAN
V3011	F41:P2- ADD TO ACCT
V3012	F41:P2-\$ ADD TO ACCT
V3013	F41:P2-ADD TO ACCT-FREQ
V3037	F57:TB/P2: YOU CONTRIB
V3038	F57:TB/P2:\$ YOU CONTRIB
V3039	F57:TB/P2:FREQ YOU CONTR
V3109	F39:P3-TYPE OF PLAN
V3111	F41:P3- ADD TO ACCT
V3112	F41:P3-\$ ADD TO ACCT
V3113	F41:P3-ADD TO ACCT-FREQ
V3137	F57:TB/P3: YOU CONTRIB
V3138	F57:TB/P3:\$ YOU CONTRIB
V3139	F57:TB/P3:FREQ YOU CONTR
HRS 1994:	
W3712	1. FA65.TYPE OF PENSION
W3724	2. FA65.TYPE OF PENSION
W3736	3. FA65.TYPE OF PENSION
W3756	1. FA73.TYPE OF PENSION
W3758	1. FA75.FORM OF CONTRIBU
W3759	1. FA75a.% OF PAY
W3760	1. FA75b.AMOUNT OF CONTR
W3761	1. FA75c.AMOUNT PER TIME
W3793	1. FA91.AMOUNT OF OWN CO
W3794	1. FA91a.OWN CONTRIBUTIO
W3795	1. FA91b.OWN CONTRIBUTIO
W3796	1. FA91c.OWN CONTRIBUTIO
W3808	2. FA73.TYPE OF PENSION
W3810	2. FA75.FORM OF CONTRIBU
W3811	2. FA75a.% OF PAY
W3812	2. FA75b.AMOUNT CONTRIBU
W3813	2. FA75c.AMOUNT PER TIME
W3845	2. FA91.FORM OF OWN CONT
W3846	2. FA91a.OWN CONTRIBUTIO
W3847	2. FA91b.OWN CONTRIBUTIO
W3848	2. FA91c.OWN CONTRIBUTIO
W3860	3. FA73.TYPE OF PENSION
W3862	3. FA75.FORM OF CONTRIBU
W3863	3. FA75a.% OF PAY
W3864	3. FA75b.AMOUNT OF CONTR
W3865	3. FA75c.AMOUNT PER TIME
W3897	3. FA91.FORM OF OWN CONT
W3898	3. FA91a.OWN CONTRIBUTIO
W3899	3. FA91b.OWN CONTRIBUTIO
W3900	3. FA91c.OWN CONTRIBUTIO
W4378	1. FB29.TYPE OF RETIREME
W4390	2. FB29.TYPE OF RETIREME
W4402	3. FB29.TYPE OF RETIREME
W4415	1. FB37.TYPE OF PENSION
W4417	1. FB39.FORM OF OWN CONT
W4418	1. FB39a.OWN CONTRIBUTIO
W4419	1. FB39b.OWN CONTRIBUTIO
W4420	1. FB39c.OWN CONTRIBUTIO
W4447	1. FB53.# OF YEARS IN PL
W4452	1. FB55.FORM OF RS CONTR
W4453	1. FB55a.% OF PAY
W4454	1. FB55b.AMOUNT OF RS CO

W4455	1. FB55c.AMOUNT OF RS CO
W4467	2. FB37.TYPE OF PENSION
W4469	2. FB39.TYPE OF CONTRIBU
W4470	2. FB39a.% OF PAY CONTRI
W4504	2. FB55.FORM OF RS CONTR
W4505	2. FB55a.% OF PAY
W4506	2. FB55b.AMOUNT OF RS CO
W4507	2. FB55c.AMOUNT OF RS CO
W4519	3. FB37.TYPE OF PENSION
W4520	3. FB38.AMOUNT IN ACCOUN
W4522	3. FB39a.% OF PAY CONTRI
W4523	3. FB39b.AMOUNT CURRENTL
W4524	3. FB39c.AMOUNT CURRENTL
W4556	3. FB55.FORM OF RS CONTR
W4557	3. FB55a.% OF PAY
W4558	3. FB55b.AMOUNT OF RS CO
W4559	3. FB55c.AMOUNT OF RS CO
AHEAD 1995:	
D2928	GA63.PENSION RULES CHANGED
D2969_1	GA73. TYPE PENSION
D2969_2	GA73. TYPE PENSION
D2969_3	GA73. TYPE PENSION
D2971_1	GA75. AMOUNT R CONTRIBUTES
D2971_2	GA75. AMOUNT R CONTRIBUTES
D2971_3	GA75. AMOUNT R CONTRIBUTES
D2972_1	GA75A. PERCENT PAY CONTRIBUTED
D2972_2	GA75A. PERCENT PAY CONTRIBUTED
D2972_3	GA75A. PERCENT PAY CONTRIBUTED
D2973_1	GA75B. AMOUNT DOLLARS CONTRIBUTED
D2973_2	GA75B. AMOUNT DOLLARS CONTRIBUTED
D2973_3	GA75B. AMOUNT DOLLARS CONTRIBUTED
D2974_1	GA75C. AMOUNT CONTRIBUTED PER
D2974_2	GA75C. AMOUNT CONTRIBUTED PER
D2974_3	GA75C. AMOUNT CONTRIBUTED PER
D3031_1	GA91. HOW R CONTRIBUTE DC
D3031_2	GA91. HOW R CONTRIBUTE DC
D3031_3	GA91. HOW R CONTRIBUTE DC
D3032_1	GA91A. R CONTRIBUTE PERCENT PAY
D3032_2	GA91A. R CONTRIBUTE PERCENT PAY
D3032_3	GA91A. R CONTRIBUTE PERCENT PAY
D3033_1	GA91B. AMOUNT R CONTRIBUTE DC
D3033_2	GA91B. AMOUNT R CONTRIBUTE DC
D3033_3	GA91B. AMOUNT R CONTRIBUTE DC
D3034_1	GA91C. AMOUNT R CONTRIBUTE PER
D3034_2	GA91C. AMOUNT R CONTRIBUTE PER
D3034_3	GA91C. AMOUNT R CONTRIBUTE PER
D3330_1	GB37. TYPE PENSION
D3332_1	GB39. AMOUNT R CONTRIBUTES
D3333_1	GB39A. PERCENT PAY CONTRIBUTED
D3334_1	GB39B. AMOUNT DOLLARS CONTRIBUTED
D3335_1	GB39C. AMOUNT CONTRIBUTED PER
D3395_1	GB55. HOW R CONTRIBUTE DC
D3396_1	GB55A. R CONTRIBUTE PERCENT PAY
D3397_1	GB55B. AMOUNT R CONTRIBUTE DC
D3398_1	GB55C. AMOUNT R CONTRIBUTE PER
HRS 1996:	
E2834	G67_.BRANCHPOINT
E2835	G67.PENSION RULES CHANGED
E2840_1	G69.TYPE OF PENSION

E2840_2	G69.TYPE OF PENSION
E2840_3	G69.TYPE OF PENSION
E2875_1	G77.TYPE OF PENSION
E2875_2	G77.TYPE OF PENSION
E2875_3	G77.TYPE OF PENSION
E2877_1	G79.FORM OF CONTRIBUTION
E2877_2	G79.FORM OF CONTRIBUTION
E2877_3	G79.FORM OF CONTRIBUTION
E2878_1	G79A.CONTRIBUTION-% OF PAY
E2878_2	G79A.CONTRIBUTION-% OF PAY
E2878_3	G79A.CONTRIBUTION-% OF PAY
E2879_1	G79B.CONTRIBUTION-AMOUNT
E2879_2	G79B.CONTRIBUTION-AMOUNT
E2879_3	G79B.CONTRIBUTION-AMOUNT
E2880_1	G79C.CONTRIBUTION-PER
E2880_2	G79C.CONTRIBUTION-PER
E2880_3	G79C.CONTRIBUTION-PER
E2936_1	G95.FORM OF OWN CONTRIBUTION
E2936_2	G95.FORM OF OWN CONTRIBUTION
E2936_3	G95.FORM OF OWN CONTRIBUTION
E2937_1	G95A.OWN CONTRIBUTION-%
E2937_2	G95A.OWN CONTRIBUTION-%
E2937_3	G95A.OWN CONTRIBUTION-%
E2938_1	G95B.OWN CONTRIBUTION-AMOUNT
E2938_2	G95B.OWN CONTRIBUTION-AMOUNT
E2938_3	G95B.OWN CONTRIBUTION-AMOUNT
E2939_1	G95C.OWN CONTRIBUTION-PER
E2939_2	G95C.OWN CONTRIBUTION-PER
E2939_3	G95C.OWN CONTRIBUTION-PER
HRS 1998:	
F3358	G67 BRANCHPOINT
F3359	G67.PENSION RULES CHANGED
F3364_1	G69.TYPE OF PENSION
F3364_2	G69.TYPE OF PENSION
F3364_3	G69.TYPE OF PENSION
F3403_1	G77.TYPE OF PENSION
F3403_2	G77.TYPE OF PENSION
F3403_3	G77.TYPE OF PENSION
F3405_1	G79.FORM OF CONTRIBUTION
F3405_2	G79.FORM OF CONTRIBUTION
F3405_3	G79.FORM OF CONTRIBUTION
F3406_1	G79A.CONTRIBUTION-% OF PAY
F3406_2	G79A.CONTRIBUTION-% OF PAY
F3406_3	G79A.CONTRIBUTION-% OF PAY
F3407_1	G79B.CONTRIBUTION-AMOUNT
F3407_2	G79B.CONTRIBUTION-AMOUNT
F3407_3	G79B.CONTRIBUTION-AMOUNT
F3408_1	G79C.CONTRIBUTION-PER
F3408_2	G79C.CONTRIBUTION-PER
F3408_3	G79C.CONTRIBUTION-PER
F3464_1	G95.FORM OF OWN CONTRIBUTION
F3464_2	G95.FORM OF OWN CONTRIBUTION
F3464_3	G95.FORM OF OWN CONTRIBUTION
F3465_1	G95A.OWN CONTRIBUTION-%
F3465_2	G95A.OWN CONTRIBUTION-%
F3465_3	G95A.OWN CONTRIBUTION-%
F3466_1	G95B.OWN CONTRIBUTION-AMOUNT
F3466_2	G95B.OWN CONTRIBUTION-AMOUNT
F3466_3	G95B.OWN CONTRIBUTION-AMOUNT

F3467_1	G95C.OWN CONTRIBUTION-PER
F3467_2	G95C.OWN CONTRIBUTION-PER
F3467_3	G95C.OWN CONTRIBUTION-PER
HRS 2000:	
G3618	G67Y1.G67 BRANCHPOINT
G3619	G67.PENSION RULES CHANGED
G3624_1	G69.TYPE OF PENSION
G3624_2	G69.TYPE OF PENSION
G3624_3	G69.TYPE OF PENSION
G3624_4	G69.TYPE OF PENSION
G3683_1	G77.TYPE OF PENSION
G3683_2	G77.TYPE OF PENSION
G3683_3	G77.TYPE OF PENSION
G3683_4	G77.TYPE OF PENSION
G3689_1	G79.FORM OF CONTRIBUTION
G3689_2	G79.FORM OF CONTRIBUTION
G3689_3	G79.FORM OF CONTRIBUTION
G3689_4	G79.FORM OF CONTRIBUTION
G3690_1	G79A.CONTRIBUTION-PCT OF PAY
G3690_2	G79A.CONTRIBUTION-PCT OF PAY
G3690_3	G79A.CONTRIBUTION-PCT OF PAY
G3690_4	G79A.CONTRIBUTION-PCT OF PAY
G3691_1	G79B.CONTRIBUTION-AMOUNT
G3691_2	G79B.CONTRIBUTION-AMOUNT
G3691_3	G79B.CONTRIBUTION-AMOUNT
G3691_4	G79B.CONTRIBUTION-AMOUNT
G3692_1	G79C.CONTRIBUTION-PER
G3692_2	G79C.CONTRIBUTION-PER
G3692_3	G79C.CONTRIBUTION-PER
G3692_4	G79C.CONTRIBUTION-PER
G3749_1	G95.FORM OF OWN CONTRIBUTION
G3749_2	G95.FORM OF OWN CONTRIBUTION
G3749_3	G95.FORM OF OWN CONTRIBUTION
G3749_4	G95.FORM OF OWN CONTRIBUTION
G3750_1	G95A.OWN CONTRIBUTION-PCT
G3750_2	G95A.OWN CONTRIBUTION-PCT
G3750_3	G95A.OWN CONTRIBUTION-PCT
G3750_4	G95A.OWN CONTRIBUTION-PCT
G3751_1	G95B.OWN CONTRIBUTION-AMOUNT
G3751_2	G95B.OWN CONTRIBUTION-AMOUNT
G3751_3	G95B.OWN CONTRIBUTION-AMOUNT
G3751_4	G95B.OWN CONTRIBUTION-AMOUNT
G3752_1	G95C.OWN CONTRIBUTION-PER
G3752_2	G95C.OWN CONTRIBUTION-PER
G3752_3	G95C.OWN CONTRIBUTION-PER
G3752_4	G95C.OWN CONTRIBUTION-PER
HRS 2002:	
HJ267	J267 BRANCHPOINT
HJ268	PENSION RULES CHANGED
HJ272_1	TYPE OF PENSION- 1
HJ272_2	TYPE OF PENSION- 2
HJ272_3	TYPE OF PENSION- 3
HJ272_4	TYPE OF PENSION- 4
HJ281_1	CURRENTLY CONTRIBUTE- BOTH A/B PART-1
HJ281_2	CURRENTLY CONTRIBUTE- BOTH A/B PART-2
HJ281_3	CURRENTLY CONTRIBUTE- BOTH A/B PART-3
HJ281_4	CURRENTLY CONTRIBUTE- BOTH A/B PART-4
HJ282_1	CURRENTLY CONTRIB- BOTH A/B PART-PCT-1
HJ282_2	CURRENTLY CONTRIB- BOTH A/B PART-PCT-2

HJ282_3	CURRENTLY CONTRIB- BOTH A/B PART-PCT-3
HJ282_4	CURRENTLY CONTRIB- BOTH A/B PART-PCT-4
HJ283_1	CURRENTLY CONTRIB- BOTH A/B PART-AMT-1
HJ283_2	CURRENTLY CONTRIB- BOTH A/B PART-AMT-2
HJ283_3	CURRENTLY CONTRIB- BOTH A/B PART-AMT-3
HJ283_4	CURRENTLY CONTRIB- BOTH A/B PART-AMT-4
HJ284_1	CURRENT CONTRIB-BOTH A/B PART-AMT-PER-1
HJ284_2	CURREN CONTRIB-BOTH A/B PART-AMT-PER-1
HJ284_3	CURRENT CONTRIB-BOTH A/B PART-AMT-PER-3
HJ284_4	CURREN CONTRIB-BOTH A/B PART-AMT-PER-1
HJ318_1	CURRENTLY CONTRIBUTE- TYPE B ONLY-1
HJ318_2	CURRENTLY CONTRIBUTE- TYPE B ONLY-2
HJ318_3	CURRENTLY CONTRIBUTE- TYPE B ONLY-3
HJ318_4	CURRENTLY CONTRIBUTE- TYPE B ONLY-4
HJ319_1	CURRENTLY CONTRIBUTE- B ONLY- PERCENT-1
HJ319_2	CURRENTLY CONTRIBUTE- B ONLY- PERCENT-2
HJ319_3	CURRENTLY CONTRIBUTE- B ONLY- PERCENT-3
HJ319_4	CURRENTLY CONTRIBUTE- B ONLY- PERCENT-4
HJ320_1	AMT CONTRIBUTE- TYPE B ONLY-1
HJ320_2	AMT CONTRIBUTE- TYPE B ONLY-2
HJ320_3	AMT CONTRIBUTE- TYPE B ONLY-3
HJ320_4	AMT CONTRIBUTE- TYPE B ONLY-4
HJ321_1	AMT CONTRIBUTE- TYPE B ONLY- PER-1
HJ321_2	AMT CONTRIBUTE- TYPE B ONLY- PER-2
HJ321_3	AMT CONTRIBUTE- TYPE B ONLY- PER-3
HJ321_4	AMT CONTRIBUTE- TYPE B ONLY- PER-4
HJ338_1	PENSION PLAN TYPE- 1
HJ338_2	PENSION PLAN TYPE- 2
HJ338_3	PENSION PLAN TYPE- 3
HJ338_4	PENSION PLAN TYPE- 4
HJ343_1	FORM OF CONTRIBUTION-1
HJ343_2	FORM OF CONTRIBUTION-2
HJ343_3	FORM OF CONTRIBUTION-3
HJ343_4	FORM OF CONTRIBUTION-4
HJ344_1	CONTRIBUTION-PCT OF PAY-1
HJ344_2	CONTRIBUTION-PCT OF PAY-2
HJ344_3	CONTRIBUTION-PCT OF PAY-3
HJ344_4	CONTRIBUTION-PCT OF PAY-4
HJ345_1	CURRENT AMOUNT OF CONTRIBUTION-1
HJ345_2	CURRENT AMOUNT OF CONTRIBUTION-2
HJ345_3	CURRENT AMOUNT OF CONTRIBUTION-3
HJ345_4	CURRENT AMOUNT OF CONTRIBUTION-4
HJ349_1	CURRENT AMOUNT OF CONTRIBUTION PER-1
HJ349_2	CURRENT AMOUNT OF CONTRIBUTION PER-2
HJ349_3	CURRENT AMOUNT OF CONTRIBUTION PER-3
HJ349_4	CURRENT AMOUNT OF CONTRIBUTION PER-4
HJ404_1	FORM OF OWN CONTRIBUTION-1
HJ404_2	FORM OF OWN CONTRIBUTION-2
HJ404_3	FORM OF OWN CONTRIBUTION-3
HJ404_4	FORM OF OWN CONTRIBUTION-4
HJ405_1	OWN CONTRIBUTION-PCT-1
HJ405_2	OWN CONTRIBUTION-PCT-2
HJ405_3	OWN CONTRIBUTION-PCT-3
HJ405_4	OWN CONTRIBUTION-PCT-4
HJ406_1	OWN CONTRIBUTION-AMOUNT-1
HJ406_2	OWN CONTRIBUTION-AMOUNT-2
HJ406_3	OWN CONTRIBUTION-AMOUNT-3
HJ406_4	OWN CONTRIBUTION-AMOUNT-4
HJ410_1	OWN CONTRIBUTION- AMT- PER-1

HJ410_2	OWN CONTRIBUTION- AMT- PER-2
HJ410_3	OWN CONTRIBUTION- AMT- PER-3
HJ410_4	OWN CONTRIBUTION- AMT- PER-4
HRS 2006:	
KJ272A	TYPE OF PENSION- 1 -1
KJ272B	TYPE OF PENSION- 1 -2
KJ272C	TYPE OF PENSION- 1 -3
KJ272D	TYPE OF PENSION- 1 -4
KJ281A	CURRENTLY CONTRIBUTE- TYPE B PART -1
KJ281B	CURRENTLY CONTRIBUTE- TYPE B PART -2
KJ281C	CURRENTLY CONTRIBUTE- TYPE B PART -3
KJ281D	CURRENTLY CONTRIBUTE- TYPE B PART -4
KJ282A	CURRENTLY CONTRIB-TYPE B PART-PERCENT -1
KJ282B	CURRENTLY CONTRIB- TYPE B PART-PERCENT-2
KJ282C	CURRENTLY CONTRIB-TYPE B PART-PERCENT -3
KJ282D	CURRENTLY CONTRIB- TYPE B PART-PERCENT-4
KJ283A	CURRENTLY CONTRIBUTE-TYPE B PART- AMT -1
KJ283B	CURRENTLY CONTRIBUTE-TYPE B PART- AMT -2
KJ283C	CURRENTLY CONTRIBUTE- TYPE B PART- AMT-3
KJ283D	CURRENTLY CONTRIBUTE- TYPE B PART- AMT-4
KJ284A	CURRENTLY CONTRIB-TYPE B PART-AMT-PER -1
KJ284B	CURRENTLY CONTRIB- TYPE B PART-AMT-PER-2
KJ284C	CURRENTLY CONTRIB-TYPE B PART-AMT-PER -3
KJ284D	CURRENTLY CONTRIB- TYPE B PART-AMT-PER-4
KJ318A	CURRENTLY CONTRIBUTE- TYPE B ONLY -1
KJ318B	CURRENTLY CONTRIBUTE- TYPE B ONLY -2
KJ318C	CURRENTLY CONTRIBUTE- TYPE B ONLY -3
KJ318D	CURRENTLY CONTRIBUTE- TYPE B ONLY -4
KJ319A	CURRENTLY CONTRIBUTE- B ONLY- PERCENT -1
KJ319B	CURRENTLY CONTRIBUTE- B ONLY- PERCENT -2
KJ319C	CURRENTLY CONTRIBUTE- B ONLY- PERCENT -3
KJ319D	CURRENTLY CONTRIBUTE- B ONLY- PERCENT -4
KJ320A	AMT CONTRIBUTE- TYPE B ONLY -1
KJ320B	AMT CONTRIBUTE- TYPE B ONLY -2
KJ320C	AMT CONTRIBUTE- TYPE B ONLY -3
KJ320D	AMT CONTRIBUTE- TYPE B ONLY -4
KJ321A	AMT CONTRIBUTE- TYPE B ONLY- PER -1
KJ321B	AMT CONTRIBUTE- TYPE B ONLY- PER -2
KJ321C	AMT CONTRIBUTE- TYPE B ONLY- PER -3
KJ321D	AMT CONTRIBUTE- TYPE B ONLY- PER -4
HRS 2008:	
LJ338_1	PENSION PLAN TYPE- 1
LJ338_2	PENSION PLAN TYPE- 2
LJ338_3	PENSION PLAN TYPE- 3
LJ338_4	PENSION PLAN TYPE- 4
LJ404_1	FORM OF OWN CONTRIBUTION-1
LJ404_2	FORM OF OWN CONTRIBUTION-2
LJ404_3	FORM OF OWN CONTRIBUTION-3
LJ404_4	FORM OF OWN CONTRIBUTION-4
LJ405_1	OWN CONTRIBUTION-PCT-1
LJ405_2	OWN CONTRIBUTION-PCT-2
LJ405_3	OWN CONTRIBUTION-PCT-3
LJ405_4	OWN CONTRIBUTION-PCT-4
LJ406_1	OWN CONTRIBUTION-AMOUNT-1
LJ406_2	OWN CONTRIBUTION-AMOUNT-2
LJ406_3	OWN CONTRIBUTION-AMOUNT-3
LJ406_4	OWN CONTRIBUTION-AMOUNT-4
LJ410_1	OWN CONTRIBUTION- AMT- PER-1
LJ410_2	OWN CONTRIBUTION- AMT- PER-2

LJ410_3	OWN CONTRIBUTION- AMT- PER-3
LJ410_4	OWN CONTRIBUTION- AMT- PER-4
HRS 2010:	
MJ338_1	PENSION PLAN TYPE- 1
MJ338_2	PENSION PLAN TYPE- 2
MJ338_3	PENSION PLAN TYPE- 3
MJ338_4	PENSION PLAN TYPE- 4
MJ404_1	FORM OF OWN CONTRIBUTION-1
MJ404_2	FORM OF OWN CONTRIBUTION-2
MJ404_3	FORM OF OWN CONTRIBUTION-3
MJ404_4	FORM OF OWN CONTRIBUTION-4
MJ405_1	OWN CONTRIBUTION-PCT-1
MJ405_2	OWN CONTRIBUTION-PCT-2
MJ405_3	OWN CONTRIBUTION-PCT-3
MJ405_4	OWN CONTRIBUTION-PCT-4
MJ406_1	OWN CONTRIBUTION-AMOUNT-1
MJ406_2	OWN CONTRIBUTION-AMOUNT-2
MJ406_3	OWN CONTRIBUTION-AMOUNT-3
MJ406_4	OWN CONTRIBUTION-AMOUNT-4
MJ410_1	OWN CONTRIBUTION- AMT- PER-1
MJ410_2	OWN CONTRIBUTION- AMT- PER-2
MJ410_3	OWN CONTRIBUTION- AMT- PER-3
MJ410_4	OWN CONTRIBUTION- AMT- PER-4
HRS 2004-2006:	
xJ338A	PENSION PLAN TYPE- 1
xJ338B	PENSION PLAN TYPE- 2
xJ338C	PENSION PLAN TYPE- 3
xJ338D	PENSION PLAN TYPE- 4
xJ343A	FORM OF CONTRIBUTION-1
xJ343B	FORM OF CONTRIBUTION-2
xJ343C	FORM OF CONTRIBUTION-3
xJ343D	FORM OF CONTRIBUTION-4
xJ344A	CONTRIBUTION-PCT OF PAY-1
xJ344B	CONTRIBUTION-PCT OF PAY-2
xJ344C	CONTRIBUTION-PCT OF PAY-3
xJ344D	CONTRIBUTION-PCT OF PAY-4
xJ345A	CURRENT AMOUNT OF CONTRIBUTION-1
xJ345B	CURRENT AMOUNT OF CONTRIBUTION-2
xJ345C	CURRENT AMOUNT OF CONTRIBUTION-3
xJ345D	CURRENT AMOUNT OF CONTRIBUTION-4
xJ349A	CURRENT AMOUNT OF CONTRIBUTION PER-1
xJ349B	CURRENT AMOUNT OF CONTRIBUTION PER-2
xJ349C	CURRENT AMOUNT OF CONTRIBUTION PER-3
xJ349D	CURRENT AMOUNT OF CONTRIBUTION PER-4
xJ404A	FORM OF OWN CONTRIBUTION-1
xJ404B	FORM OF OWN CONTRIBUTION-2
xJ404C	FORM OF OWN CONTRIBUTION-3
xJ404D	FORM OF OWN CONTRIBUTION-4
xJ405A	OWN CONTRIBUTION-PCT-1
xJ405B	OWN CONTRIBUTION-PCT-2
xJ405C	OWN CONTRIBUTION-PCT-3
xJ405D	OWN CONTRIBUTION-PCT-4
xJ406A	OWN CONTRIBUTION-AMOUNT-1
xJ406B	OWN CONTRIBUTION-AMOUNT-2
xJ406C	OWN CONTRIBUTION-AMOUNT-3
xJ406D	OWN CONTRIBUTION-AMOUNT-4
xJ410A	OWN CONTRIBUTION- AMT- PER-1
xJ410B	OWN CONTRIBUTION- AMT- PER-2
xJ410C	OWN CONTRIBUTION- AMT- PER-3

xJ410D	OWN CONTRIBUTION- AMT- PER-4
HRS 2008-2010:	
xJ393_1	CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
xJ393_2	CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
xJ393_3	CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
xJ393_4	CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
xJ863_1	CERTAINTY ABOUT TYPE OF PLAN -1
xJ863_2	CERTAINTY ABOUT TYPE OF PLAN -2
xJ863_3	CERTAINTY ABOUT TYPE OF PLAN -3
xJ863_4	CERTAINTY ABOUT TYPE OF PLAN -4
xJ881_1	IF R CONTRIBUTES -1
xJ881_2	IF R CONTRIBUTES -2
xJ881_3	IF R CONTRIBUTES -3
xJ881_4	IF R CONTRIBUTES -4
HRS 2012-2016:	
xJ2338_1	PENSION PLAN TYPE-DB OR DC -1_1
xJ2338_10	PENSION PLAN TYPE-DB OR DC -1_10
xJ2338_2	PENSION PLAN TYPE-DB OR DC -1_2
xJ2338_3	PENSION PLAN TYPE-DB OR DC -1_3
xJ2338_4	PENSION PLAN TYPE-DB OR DC -1_4
xJ2338_5	PENSION PLAN TYPE-DB OR DC -1_5
xJ2338_6	PENSION PLAN TYPE-DB OR DC -1_6
xJ2338_7	PENSION PLAN TYPE-DB OR DC -1_7
xJ2338_8	PENSION PLAN TYPE-DB OR DC -1_8
xJ2338_9	PENSION PLAN TYPE-DB OR DC -1_9
xJ2404_1	FORM OF OWN CONTRIBUTION -1_1
xJ2404_10	FORM OF OWN CONTRIBUTION -1_10
xJ2404_2	FORM OF OWN CONTRIBUTION -1_2
xJ2404_3	FORM OF OWN CONTRIBUTION -1_3
xJ2404_4	FORM OF OWN CONTRIBUTION -1_4
xJ2404_5	FORM OF OWN CONTRIBUTION -1_5
xJ2404_6	FORM OF OWN CONTRIBUTION -1_6
xJ2404_7	FORM OF OWN CONTRIBUTION -1_7
xJ2404_8	FORM OF OWN CONTRIBUTION -1_8
xJ2404_9	FORM OF OWN CONTRIBUTION -1_9
xJ2405_1	PCT-OWN CONTRIBUTION -1_1
xJ2405_10	PCT-OWN CONTRIBUTION -1_10
xJ2405_2	PCT-OWN CONTRIBUTION -1_2
xJ2405_3	PCT-OWN CONTRIBUTION -1_3
xJ2405_4	PCT-OWN CONTRIBUTION -1_4
xJ2405_5	PCT-OWN CONTRIBUTION -1_5
xJ2405_6	PCT-OWN CONTRIBUTION -1_6
xJ2405_7	PCT-OWN CONTRIBUTION -1_7
xJ2405_8	PCT-OWN CONTRIBUTION -1_8
xJ2405_9	PCT-OWN CONTRIBUTION -1_9
xJ2406_1	AMT-OWN CONTRIBUTION -1_1
xJ2406_10	AMT-OWN CONTRIBUTION -1_10
xJ2406_2	AMT-OWN CONTRIBUTION -1_2
xJ2406_3	AMT-OWN CONTRIBUTION -1_3
xJ2406_4	AMT-OWN CONTRIBUTION -1_4
xJ2406_5	AMT-OWN CONTRIBUTION -1_5
xJ2406_6	AMT-OWN CONTRIBUTION -1_6
xJ2406_7	AMT-OWN CONTRIBUTION -1_7
xJ2406_8	AMT-OWN CONTRIBUTION -1_8
xJ2406_9	AMT-OWN CONTRIBUTION -1_9
xJ2410_1	AMT-OWN CONTRIBUTION - PER -1_1
xJ2410_10	AMT-OWN CONTRIBUTION - PER -1_10
xJ2410_2	AMT-OWN CONTRIBUTION - PER -1_2
xJ2410_3	AMT-OWN CONTRIBUTION - PER -1_3

xJ2410_4	AMT-OWN CONTRIBUTION - PER -1_4
xJ2410_5	AMT-OWN CONTRIBUTION - PER -1_5
xJ2410_6	AMT-OWN CONTRIBUTION - PER -1_6
xJ2410_7	AMT-OWN CONTRIBUTION - PER -1_7
xJ2410_8	AMT-OWN CONTRIBUTION - PER -1_8
xJ2410_9	AMT-OWN CONTRIBUTION - PER -1_9
xJ2881_1	R CONTRIBUTE TO PLAN -1_1
xJ2881_10	R CONTRIBUTE TO PLAN -1_10
xJ2881_2	R CONTRIBUTE TO PLAN -1_2
xJ2881_3	R CONTRIBUTE TO PLAN -1_3
xJ2881_4	R CONTRIBUTE TO PLAN -1_4
xJ2881_5	R CONTRIBUTE TO PLAN -1_5
xJ2881_6	R CONTRIBUTE TO PLAN -1_6
xJ2881_7	R CONTRIBUTE TO PLAN -1_7
xJ2881_8	R CONTRIBUTE TO PLAN -1_8
xJ2881_9	R CONTRIBUTE TO PLAN -1_9
HRS 2014-2016:	
xJ2Z140_1	PREV WAVE OLD PENSION TYPE_1
xJ2Z140_10	PREV WAVE OLD PENSION TYPE_10
xJ2Z140_2	PREV WAVE OLD PENSION TYPE_2
xJ2Z140_3	PREV WAVE OLD PENSION TYPE_3
xJ2Z140_4	PREV WAVE OLD PENSION TYPE_4
xJ2Z140_5	PREV WAVE OLD PENSION TYPE_5
xJ2Z140_6	PREV WAVE OLD PENSION TYPE_6
xJ2Z140_7	PREV WAVE OLD PENSION TYPE_7
xJ2Z140_8	PREV WAVE OLD PENSION TYPE_8
xJ2Z140_9	PREV WAVE OLD PENSION TYPE_9

Respondent's account balance for DC plan from current job
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Wave	Variable	Label	Type
1	R1DCBAL1	R1DCBAL1:W1 Current balance of DC plan #1	Cont
2	R2DCBAL1	R2DCBAL1:W2 Current balance of DC plan #1	Cont
3	R3DCBAL1	R3DCBAL1:W3 Current balance of DC plan #1	Cont
4	R4DCBAL1	R4DCBAL1:W4 Current balance of DC plan #1	Cont
5	R5DCBAL1	R5DCBAL1:W5 Current balance of DC plan #1	Cont
6	R6DCBAL1	R6DCBAL1:W6 Current balance of DC plan #1	Cont
7	R7DCBAL1	R7DCBAL1:W7 Current balance of DC plan #1	Cont
8	R8DCBAL1	R8DCBAL1:W8 Current balance of DC plan #1	Cont
9	R9DCBAL1	R9DCBAL1:W9 Current balance of DC plan #1	Cont
10	R10DCBAL1	R10DCBAL1:W10 Current balance of DC plan #1	Cont
11	R11DCBAL1	R11DCBAL1:W11 Current balance of DC plan #1	Cont
12	R12DCBAL1	R12DCBAL1:W12 Current balance of DC plan #1	Cont
13	R13DCBAL1	R13DCBAL1:W13 Current balance of DC plan #1	Cont
1	S1DCBAL1	S1DCBAL1:W1 Current balance of DC plan #1	Cont
2	S2DCBAL1	S2DCBAL1:W2 Current balance of DC plan #1	Cont
3	S3DCBAL1	S3DCBAL1:W3 Current balance of DC plan #1	Cont
4	S4DCBAL1	S4DCBAL1:W4 Current balance of DC plan #1	Cont
5	S5DCBAL1	S5DCBAL1:W5 Current balance of DC plan #1	Cont
6	S6DCBAL1	S6DCBAL1:W6 Current balance of DC plan #1	Cont
7	S7DCBAL1	S7DCBAL1:W7 Current balance of DC plan #1	Cont
8	S8DCBAL1	S8DCBAL1:W8 Current balance of DC plan #1	Cont
9	S9DCBAL1	S9DCBAL1:W9 Current balance of DC plan #1	Cont
10	S10DCBAL1	S10DCBAL1:W10 Current balance of DC plan #1	Cont
11	S11DCBAL1	S11DCBAL1:W11 Current balance of DC plan #1	Cont
12	S12DCBAL1	S12DCBAL1:W12 Current balance of DC plan #1	Cont
13	S13DCBAL1	S13DCBAL1:W13 Current balance of DC plan #1	Cont
1	R1DCBAL2	R1DCBAL2:W1 Current balance of DC plan #2	Cont
2	R2DCBAL2	R2DCBAL2:W2 Current balance of DC plan #2	Cont
3	R3DCBAL2	R3DCBAL2:W3 Current balance of DC plan #2	Cont
4	R4DCBAL2	R4DCBAL2:W4 Current balance of DC plan #2	Cont
5	R5DCBAL2	R5DCBAL2:W5 Current balance of DC plan #2	Cont
6	R6DCBAL2	R6DCBAL2:W6 Current balance of DC plan #2	Cont
7	R7DCBAL2	R7DCBAL2:W7 Current balance of DC plan #2	Cont
8	R8DCBAL2	R8DCBAL2:W8 Current balance of DC plan #2	Cont
9	R9DCBAL2	R9DCBAL2:W9 Current balance of DC plan #2	Cont
10	R10DCBAL2	R10DCBAL2:W10 Current balance of DC plan #2	Cont
11	R11DCBAL2	R11DCBAL2:W11 Current balance of DC plan #2	Cont
12	R12DCBAL2	R12DCBAL2:W12 Current balance of DC plan #2	Cont
13	R13DCBAL2	R13DCBAL2:W13 Current balance of DC plan #2	Cont
1	S1DCBAL2	S1DCBAL2:W1 Current balance of DC plan #2	Cont
2	S2DCBAL2	S2DCBAL2:W2 Current balance of DC plan #2	Cont
3	S3DCBAL2	S3DCBAL2:W3 Current balance of DC plan #2	Cont
4	S4DCBAL2	S4DCBAL2:W4 Current balance of DC plan #2	Cont
5	S5DCBAL2	S5DCBAL2:W5 Current balance of DC plan #2	Cont
6	S6DCBAL2	S6DCBAL2:W6 Current balance of DC plan #2	Cont
7	S7DCBAL2	S7DCBAL2:W7 Current balance of DC plan #2	Cont
8	S8DCBAL2	S8DCBAL2:W8 Current balance of DC plan #2	Cont
9	S9DCBAL2	S9DCBAL2:W9 Current balance of DC plan #2	Cont
10	S10DCBAL2	S10DCBAL2:W10 Current balance of DC plan #2	Cont
11	S11DCBAL2	S11DCBAL2:W11 Current balance of DC plan #2	Cont
12	S12DCBAL2	S12DCBAL2:W12 Current balance of DC plan #2	Cont
13	S13DCBAL2	S13DCBAL2:W13 Current balance of DC plan #2	Cont
1	R1DCBAL3	R1DCBAL3:W1 Current balance of DC plan #3	Cont
2	R2DCBAL3	R2DCBAL3:W2 Current balance of DC plan #3	Cont
3	R3DCBAL3	R3DCBAL3:W3 Current balance of DC plan #3	Cont
4	R4DCBAL3	R4DCBAL3:W4 Current balance of DC plan #3	Cont
5	R5DCBAL3	R5DCBAL3:W5 Current balance of DC plan #3	Cont
6	R6DCBAL3	R6DCBAL3:W6 Current balance of DC plan #3	Cont
7	R7DCBAL3	R7DCBAL3:W7 Current balance of DC plan #3	Cont
8	R8DCBAL3	R8DCBAL3:W8 Current balance of DC plan #3	Cont
9	R9DCBAL3	R9DCBAL3:W9 Current balance of DC plan #3	Cont
10	R10DCBAL3	R10DCBAL3:W10 Current balance of DC plan #3	Cont

11	R11DCBAL3	R11DCBAL3:W11 Current balance of DC plan #3	Cont
12	R12DCBAL3	R12DCBAL3:W12 Current balance of DC plan #3	Cont
13	R13DCBAL3	R13DCBAL3:W13 Current balance of DC plan #3	Cont
1	S1DCBAL3	S1DCBAL3:W1 Current balance of DC plan #3	Cont
2	S2DCBAL3	S2DCBAL3:W2 Current balance of DC plan #3	Cont
3	S3DCBAL3	S3DCBAL3:W3 Current balance of DC plan #3	Cont
4	S4DCBAL3	S4DCBAL3:W4 Current balance of DC plan #3	Cont
5	S5DCBAL3	S5DCBAL3:W5 Current balance of DC plan #3	Cont
6	S6DCBAL3	S6DCBAL3:W6 Current balance of DC plan #3	Cont
7	S7DCBAL3	S7DCBAL3:W7 Current balance of DC plan #3	Cont
8	S8DCBAL3	S8DCBAL3:W8 Current balance of DC plan #3	Cont
9	S9DCBAL3	S9DCBAL3:W9 Current balance of DC plan #3	Cont
10	S10DCBAL3	S10DCBAL3:W10 Current balance of DC plan #3	Cont
11	S11DCBAL3	S11DCBAL3:W11 Current balance of DC plan #3	Cont
12	S12DCBAL3	S12DCBAL3:W12 Current balance of DC plan #3	Cont
13	S13DCBAL3	S13DCBAL3:W13 Current balance of DC plan #3	Cont
5	R5DCBAL4	R5DCBAL4:W5 Current balance of DC plan #4	Cont
6	R6DCBAL4	R6DCBAL4:W6 Current balance of DC plan #4	Cont
7	R7DCBAL4	R7DCBAL4:W7 Current balance of DC plan #4	Cont
8	R8DCBAL4	R8DCBAL4:W8 Current balance of DC plan #4	Cont
9	R9DCBAL4	R9DCBAL4:W9 Current balance of DC plan #4	Cont
10	R10DCBAL4	R10DCBAL4:W10 Current balance of DC plan #4	Cont
11	R11DCBAL4	R11DCBAL4:W11 Current balance of DC plan #4	Cont
12	R12DCBAL4	R12DCBAL4:W12 Current balance of DC plan #4	Cont
13	R13DCBAL4	R13DCBAL4:W13 Current balance of DC plan #4	Cont
5	S5DCBAL4	S5DCBAL4:W5 Current balance of DC plan #4	Cont
6	S6DCBAL4	S6DCBAL4:W6 Current balance of DC plan #4	Cont
7	S7DCBAL4	S7DCBAL4:W7 Current balance of DC plan #4	Cont
8	S8DCBAL4	S8DCBAL4:W8 Current balance of DC plan #4	Cont
9	S9DCBAL4	S9DCBAL4:W9 Current balance of DC plan #4	Cont
10	S10DCBAL4	S10DCBAL4:W10 Current balance of DC plan #4	Cont
11	S11DCBAL4	S11DCBAL4:W11 Current balance of DC plan #4	Cont
12	S12DCBAL4	S12DCBAL4:W12 Current balance of DC plan #4	Cont
13	S13DCBAL4	S13DCBAL4:W13 Current balance of DC plan #4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DCBAL1	1102	39879.80	96049.58	0.0	1200000.0
R2DCBAL1	1096	73666.88	529431.06	0.0	9999994.0
R3DCBAL1	1165	60151.06	219574.95	0.0	6000000.0
R4DCBAL1	1428	82519.33	364845.85	0.0	12000000.0
R5DCBAL1	1203	92178.85	213485.54	0.0	2220000.0
R6DCBAL1	893	102251.23	393661.46	0.0	10000000.0
R7DCBAL1	1364	86394.98	193456.02	0.0	3000000.0
R8DCBAL1	1118	113716.54	495969.73	0.0	15000000.0
R9DCBAL1	1032	122755.09	262342.50	0.0	5000000.0
R10DCBAL1	1554	108704.60	199109.68	0.0	2500000.0
R11DCBAL1	1629	115601.31	410335.16	0.0	10000000.0
R12DCBAL1	1468	128304.35	340534.49	0.0	9000000.0
R13DCBAL1	1652	121506.22	246174.67	0.0	4150000.0
S1DCBAL1	879	40708.85	94694.96	0.0	1200000.0
S2DCBAL1	868	83023.49	593309.20	0.0	9999994.0
S3DCBAL1	916	63150.13	240821.03	0.0	6000000.0
S4DCBAL1	1137	90819.84	405003.18	0.0	12000000.0
S5DCBAL1	920	101491.81	231700.36	0.0	2220000.0
S6DCBAL1	688	111751.89	427687.39	0.0	10000000.0
S7DCBAL1	1048	92434.64	204426.85	0.0	3000000.0

S8DCBAL1	854	127425.23	561420.78	0.0	15000000.0
S9DCBAL1	796	135113.33	287579.76	0.0	5000000.0
S10DCBAL1	1132	117244.86	214237.81	0.0	2500000.0
S11DCBAL1	1202	118269.63	370346.52	0.0	10000000.0
S12DCBAL1	1082	136434.11	374918.31	0.0	9000000.0
S13DCBAL1	1142	125779.03	262816.93	0.0	4150000.0
R1DCBAL2	773	36920.65	69031.82	0.0	1250000.0
R2DCBAL2	357	43989.55	69614.79	0.0	500000.0
R3DCBAL2	335	63679.33	335073.21	0.0	6000000.0
R4DCBAL2	469	66757.22	126351.17	0.0	1200000.0
R5DCBAL2	333	64771.63	131017.23	0.0	1300000.0
R6DCBAL2	235	87367.75	152287.33	0.0	1600000.0
R7DCBAL2	479	69110.83	107791.86	0.0	900000.0
R8DCBAL2	276	128644.58	673815.53	0.0	11000000.0
R9DCBAL2	340	104880.76	170804.06	0.0	1400000.0
R10DCBAL2	579	101846.42	176314.64	0.0	1976000.0
R11DCBAL2	415	117421.38	160025.37	100.0	1200000.0
R12DCBAL2	377	161304.85	235889.27	0.0	1900000.0
R13DCBAL2	382	184050.73	304831.09	0.0	3000000.0
S1DCBAL2	628	37477.02	71721.80	0.0	1250000.0
S2DCBAL2	286	46462.12	71038.95	0.0	500000.0
S3DCBAL2	264	69173.39	375428.71	0.0	6000000.0
S4DCBAL2	378	66611.60	120857.76	0.0	1200000.0
S5DCBAL2	250	65995.42	127431.15	0.0	1300000.0
S6DCBAL2	184	99026.38	167311.73	0.0	1600000.0
S7DCBAL2	368	71529.84	104650.93	0.0	900000.0
S8DCBAL2	211	144209.64	764504.68	0.0	11000000.0
S9DCBAL2	262	113253.89	184374.69	0.0	1400000.0
S10DCBAL2	426	109619.16	192506.26	0.0	1976000.0
S11DCBAL2	301	131313.27	173632.68	100.0	1200000.0
S12DCBAL2	278	186272.66	257763.67	0.0	1900000.0
S13DCBAL2	285	210358.67	335689.68	0.0	3000000.0
R1DCBAL3	109	42713.68	91826.49	180.0	600000.0
R2DCBAL3	51	10913.94	24315.81	0.0	100000.0
R3DCBAL3	45	194217.80	912392.44	0.0	6000000.0
R4DCBAL3	53	41771.92	61065.59	0.0	275000.0
R5DCBAL3	30	84635.00	207021.93	0.0	1000000.0
R6DCBAL3	18	54041.11	97113.64	1000.0	400000.0
R7DCBAL3	65	44109.85	55690.25	0.0	300000.0
R8DCBAL3	26	73984.62	102488.94	0.0	425000.0
R9DCBAL3	38	69018.26	107952.85	500.0	575000.0
R10DCBAL3	78	82667.79	219552.22	0.0	1796000.0
R11DCBAL3	66	146038.24	279371.11	300.0	2000000.0
R12DCBAL3	61	114537.33	189366.76	149.0	1300000.0
R13DCBAL3	46	173702.93	270766.48	0.0	1200000.0
S1DCBAL3	87	44443.57	94282.06	180.0	600000.0
S2DCBAL3	44	11275.25	25998.09	0.0	100000.0
S3DCBAL3	41	209970.76	955347.77	0.0	6000000.0
S4DCBAL3	45	45849.27	65070.66	0.0	275000.0
S5DCBAL3	18	126075.00	260772.20	0.0	1000000.0
S6DCBAL3	15	62182.67	104905.98	1500.0	400000.0
S7DCBAL3	51	45773.33	52890.99	0.0	300000.0
S8DCBAL3	21	80361.90	112064.19	0.0	425000.0
S9DCBAL3	31	77709.48	117576.48	500.0	575000.0
S10DCBAL3	60	98380.73	246590.42	0.0	1796000.0

S11DCBAL3	51	148988.24	306532.60	300.0	2000000.0
S12DCBAL3	43	128223.86	216065.40	1000.0	1300000.0
S13DCBAL3	38	179640.39	282379.90	1000.0	1200000.0
R5DCBAL4	7	87428.57	144328.61	1000.0	400000.0
R6DCBAL4	1	400000.00		400000.0	400000.0
R7DCBAL4	16	44371.75	40222.50	5.0	130000.0
R8DCBAL4	1	100000.00		100000.0	100000.0
R9DCBAL4	4	301250.25	475050.22	1.0	1000000.0
R10DCBAL4	7	404219.57	661244.24	3500.0	1796000.0
R11DCBAL4	8	96523.00	160764.90	4000.0	450000.0
R12DCBAL4	6	69833.33	67600.05	4000.0	185000.0
R13DCBAL4	3	160666.67	207560.43	30000.0	400000.0
S5DCBAL4	6	100333.33	153616.48	1000.0	400000.0
S6DCBAL4	1	400000.00		400000.0	400000.0
S7DCBAL4	14	46567.71	42503.98	5.0	130000.0
S8DCBAL4	1	100000.00		100000.0	100000.0
S9DCBAL4	3	401666.67	527264.96	5000.0	1000000.0
S10DCBAL4	5	563807.40	737862.24	41000.0	1796000.0
S11DCBAL4	6	89864.00	176809.92	4000.0	450000.0
S12DCBAL4	5	46800.00	41631.72	4000.0	102000.0
S13DCBAL4	2	215000.00	261629.51	30000.0	400000.0

How Constructed

RwDCBAL1, RwDCBAL2, RwDCBAL3 and RwDCBAL4 indicate the amount in nominal dollars that the Respondent currently has in a defined contribution pension plan account from her/his current, primary employer. Before Wave 5, account balances may be reported for up to 3 plans. From Wave 5 through Wave 10, account balances may be reported for up to 4 plans. From Wave 11 forward, Respondents may report information on up to 10 plans, but we limit the RAND HRS Longitudinal File to the first four active plans as they appear in the data, to align with previous waves. SwDCBAL1, SwDCBAL2, SwDCBAL3 and SwDCBAL4 provide the information for the Respondent's spouse or partner.

If the Respondent is included in a pension in her/his current job, then s/he is asked for the type of plan. In Waves 1-8 and Wave 11 forward, account balances are reported for Respondents who indicate a plan type of Type B or both. In Waves 9-10, dollar amounts are calculated for Respondents who either a) consistently identify a defined contribution plan through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) indicate a plan type of Type B or both and have a high level of confidence in their plan type selection. In all Waves, Respondents who indicate a plan type of Type A (defined benefit), or who do not know or refuse to disclose the plan type are set to .B.

If the account balance is missing, the variables are recoded. RwDCBALx is set to .Q for defined contribution plans if the questions were not asked of any Respondent in a given wave (e.g., Respondents to Wave 2A). If the Respondent does not have a particular pension plan, the variables are set to .S (e.g., if the Respondent has one pension, RwDCBAL2, RwDCBAL3, and from Wave 5 on, RwDCBAL4 equal .S). RwDCBALx is also set to .S if the Respondent does not have a pension from the current job, or did not provide a number of pensions in waves prior to 11. RwDCBALx is set .W if the Respondent is not working.

Please note that the high maximum values come directly from HRS raw variables. For example, R8DCBAL1=15,000,000 was reported in KJ307A.

Cross Wave Differences in Original HRS Data

In Waves 1-8 and 11, account balances of a defined contribution plan are calculated for Respondents who indicate a plan type equal to Type B or Both. In Waves 9 and 10, DC plans are defined in one of two ways: a) plans that are consistently identified as DC

through the plan type (i.e., Type B or both) and the detailed plan name (e.g., 401K, 403b, etc.) or b) plans with a type of Type B or Both where Respondents have a high level of confidence in their plan type selection.

In Waves 1-10, the wording of the question varies depending on the plan type indicated. Respondents who indicate a Type B plan are asked, "How much money is in your account at present?", whereas Respondents who indicate a plan type of both are asked, "For that part of your plan where money is accumulated in an account, how much is in the account at present?" In Wave 11, for all Respondents, the wording of the question is, "How much is in the [Insert Plan Name] account now?"

Questions are not asked in Wave 2A. All variables are set to .Q.

In Wave 2H, eight separate questions are asked, depending on whether the Respondent is employed by a firm or self-employed, the plan type is Type B or both, and whether the plan is newly reported or the rules have changed, or if it has been previously reported and there have been no rules changes.

In Wave 3A, questions are asked separately for those employed by a firm and the self-employed. Respondents who work at a firm are asked to report on account balances for up to three plans. The self-employed are asked to report on only one plan.

In Waves 3H, 4-6, and 8, Respondents are asked one of four account balance questions depending on plan type and whether the plan is newly or previously reported.

In Waves 9 and 10, only one account balance question is asked of all Respondents, but the wording of the question varies based on plan type, as described above.

Beginning in Wave 5, a fourth plan is added if the Respondent reports having at least four plans.

Prior to Wave 11, the Respondent was asked to list her/his pensions in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all pension plans, with no regard to importance. We report account balances for up to the first four active plans in the data to remain consistent with earlier waves.

HRS Variables Used

HRS 1992:

V2909	F39:P1-TYPE OF PLAN
V2910	F40:P1-MNY IN ACCT NOW:\$
V2940	F58:TB/P1:\$ IN ACCT
V3009	F39:P2-TYPE OF PLAN
V3010	F40:P2-MNY IN ACCT NOW:\$
V3040	F58:TB/P2:\$ IN ACCT
V3109	F39:P3-TYPE OF PLAN
V3110	F40:P3-MNY IN ACCT NOW:\$
V3140	F58:TB/P3:\$ IN ACCT

HRS 1994:

W3712	1. FA65.TYPE OF PENSION
W3713	1. FA66.AMOUNT IN ACCOUN
W3723	1. FA70.AMOUNT IN ACCOUN
W3724	2. FA65.TYPE OF PENSION
W3735	2. FA70.AMOUNT IN ACCOUN
W3736	3. FA65.TYPE OF PENSION
W3747	3. FA70.AMOUNT IN PRESEN
W3757	1. FA74.AMOUNT IN ACCOUN
W3797	1. FA92.AMOUNT IN ACCOUN
W3809	2. FA74.AMOUNT IN ACCOUN
W3849	2. FA92.AMOUNT IN ACCOUN
W3861	3. FA74.AMOUNT IN ACCOUN
W3901	3. FA92.AMOUNT IN ACCOUN
W4378	1. FB29.TYPE OF RETIREME

W4379	1. FB30.AMOUNT IN ACCOUN
W4389	1. FB34.AMOUNT IN ACCOUN
W4390	2. FB29.TYPE OF RETIREME
W4391	2. FB30.AMOUNT IN ACCOUN
W4401	2. FB34.AMOUNT IN ACCOUN
W4402	3. FB29.TYPE OF RETIREME
W4403	3. FB30.AMOUNT IN PENSIO
W4413	3. FB34.AMOUNT IN ACCOUN
W4416	1. FB38.AMOUNT IN ACCOUN
W4456	1. FB56.AMOUNT IN ACCOUN
W4468	2. FB38.AMOUNT IN ACCOUN
W4508	2. FB56.AMOUNT IN ACCOUN
W4520	3. FB38.AMOUNT IN ACCOUN
W4560	3. FB56.AMOUNT IN ACCOUN
AHEAD 1995:	
D2969_1	GA73. TYPE PENSION
D2969_2	GA73. TYPE PENSION
D2969_3	GA73. TYPE PENSION
D2970_1	GA74. AMOUNT PENSION ACCOUNT
D2970_2	GA74. AMOUNT PENSION ACCOUNT
D2970_3	GA74. AMOUNT PENSION ACCOUNT
D3037_1	GA92. AMOUNT DC ACCOUNT
D3037_2	GA92. AMOUNT DC ACCOUNT
D3037_3	GA92. AMOUNT DC ACCOUNT
D3330_1	GB37. TYPE PENSION
D3331_1	GB38. AMOUNT PENSION ACCOUNT
D3401_1	GB56. AMOUNT DC ACCOUNT
HRS 1996:	
E2840_1	G69.TYPE OF PENSION
E2840_2	G69.TYPE OF PENSION
E2840_3	G69.TYPE OF PENSION
E2841_1	G70.AMOUNT IN ACCOUNT PRESENTLY
E2841_2	G70.AMOUNT IN ACCOUNT PRESENTLY
E2841_3	G70.AMOUNT IN ACCOUNT PRESENTLY
E2856_1	G74.AMOUNT IN ACCOUNT PRESENTLY
E2856_2	G74.AMOUNT IN ACCOUNT PRESENTLY
E2856_3	G74.AMOUNT IN ACCOUNT PRESENTLY
E2875_1	G77.TYPE OF PENSION
E2875_2	G77.TYPE OF PENSION
E2875_3	G77.TYPE OF PENSION
E2876_1	G78.AMOUNT IN ACCOUNT PRESENTLY
E2876_2	G78.AMOUNT IN ACCOUNT PRESENTLY
E2876_3	G78.AMOUNT IN ACCOUNT PRESENTLY
E2942_1	G96.AMOUNT IN ACCOUNT PRESENTLY
E2942_2	G96.AMOUNT IN ACCOUNT PRESENTLY
E2942_3	G96.AMOUNT IN ACCOUNT PRESENTLY
HRS 1998:	
F3364_1	G69.TYPE OF PENSION
F3364_2	G69.TYPE OF PENSION
F3364_3	G69.TYPE OF PENSION
F3365_1	G70.AMOUNT IN ACCOUNT PRESENTLY
F3365_2	G70.AMOUNT IN ACCOUNT PRESENTLY
F3365_3	G70.AMOUNT IN ACCOUNT PRESENTLY
F3383_1	G74.AMOUNT IN ACCOUNT PRESENTLY
F3383_2	G74.AMOUNT IN ACCOUNT PRESENTLY
F3383_3	G74.AMOUNT IN ACCOUNT PRESENTLY
F3403_1	G77.TYPE OF PENSION
F3403_2	G77.TYPE OF PENSION
F3403_3	G77.TYPE OF PENSION

F3404_1	G78.AMOUNT IN ACCOUNT PRESENTLY
F3404_2	G78.AMOUNT IN ACCOUNT PRESENTLY
F3404_3	G78.AMOUNT IN ACCOUNT PRESENTLY
F3470_1	G96.AMOUNT IN ACCOUNT PRESENTLY
F3470_2	G96.AMOUNT IN ACCOUNT PRESENTLY
F3470_3	G96.AMOUNT IN ACCOUNT PRESENTLY
HRS 2000:	
G3624_1	G69.TYPE OF PENSION
G3624_2	G69.TYPE OF PENSION
G3624_3	G69.TYPE OF PENSION
G3624_4	G69.TYPE OF PENSION
G3625_1	G70.AMOUNT IN ACCOUNT PRESENTLY
G3625_2	G70.AMOUNT IN ACCOUNT PRESENTLY
G3625_3	G70.AMOUNT IN ACCOUNT PRESENTLY
G3625_4	G70.AMOUNT IN ACCOUNT PRESENTLY
G3643_1	G74.AMOUNT IN ACCOUNT PRESENTLY
G3643_2	G74.AMOUNT IN ACCOUNT PRESENTLY
G3643_3	G74.AMOUNT IN ACCOUNT PRESENTLY
G3643_4	G74.AMOUNT IN ACCOUNT PRESENTLY
G3683_1	G77.TYPE OF PENSION
G3683_2	G77.TYPE OF PENSION
G3683_3	G77.TYPE OF PENSION
G3683_4	G77.TYPE OF PENSION
G3684_1	G78.AMOUNT IN ACCOUNT PRESENTLY
G3684_2	G78.AMOUNT IN ACCOUNT PRESENTLY
G3684_3	G78.AMOUNT IN ACCOUNT PRESENTLY
G3684_4	G78.AMOUNT IN ACCOUNT PRESENTLY
G3755_1	G96.AMOUNT IN ACCOUNT PRESENTLY
G3755_2	G96.AMOUNT IN ACCOUNT PRESENTLY
G3755_3	G96.AMOUNT IN ACCOUNT PRESENTLY
G3755_4	G96.AMOUNT IN ACCOUNT PRESENTLY
HRS 2002:	
HJ272_1	TYPE OF PENSION- 1
HJ272_2	TYPE OF PENSION- 2
HJ272_3	TYPE OF PENSION- 3
HJ272_4	TYPE OF PENSION- 4
HJ273_1	AMT IN PENSION ACCOUNT-BOTH A/B-1
HJ273_2	AMT IN PENSION ACCOUNT-BOTH A/B-2
HJ273_3	AMT IN PENSION ACCOUNT-BOTH A/B-3
HJ273_4	AMT IN PENSION ACCOUNT-BOTH A/B-4
HJ307_1	AMT IN PENSION ACCOUNT- TYPE B ONLY-1
HJ307_2	AMT IN PENSION ACCOUNT- TYPE B ONLY-2
HJ307_3	AMT IN PENSION ACCOUNT- TYPE B ONLY-3
HJ307_4	AMT IN PENSION ACCOUNT- TYPE B ONLY-4
HJ338_1	PENSION PLAN TYPE- 1
HJ338_2	PENSION PLAN TYPE- 2
HJ338_3	PENSION PLAN TYPE- 3
HJ338_4	PENSION PLAN TYPE- 4
HJ339_1	AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-1
HJ339_2	AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-2
HJ339_3	AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-3
HJ339_4	AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-4
HJ413_1	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
HJ413_2	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
HJ413_3	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
HJ413_4	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
HRS 2006:	
KJ272A	TYPE OF PENSION- 1 -1
KJ272B	TYPE OF PENSION- 1 -2

KJ272C	TYPE OF PENSION- 1 -3
KJ272D	TYPE OF PENSION- 1 -4
KJ273A	AMOUNT IN PENSION ACCOUNT-TYPE B PART -1
KJ273B	AMOUNT IN PENSION ACCOUNT-TYPE B PART -2
KJ273C	AMOUNT IN PENSION ACCOUNT-TYPE B PART -3
KJ273D	AMOUNT IN PENSION ACCOUNT-TYPE B PART -4
KJ307A	AMT IN PENSION ACCOUNT- TYPE B ONLY -1
KJ307B	AMT IN PENSION ACCOUNT- TYPE B ONLY -2
KJ307C	AMT IN PENSION ACCOUNT- TYPE B ONLY -3
KJ307D	AMT IN PENSION ACCOUNT- TYPE B ONLY -4
HRS 2008:	
LJ338_1	PENSION PLAN TYPE- 1
LJ338_2	PENSION PLAN TYPE- 2
LJ338_3	PENSION PLAN TYPE- 3
LJ338_4	PENSION PLAN TYPE- 4
LJ413_1	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
LJ413_2	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
LJ413_3	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
LJ413_4	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
HRS 2010:	
MJ338_1	PENSION PLAN TYPE- 1
MJ338_2	PENSION PLAN TYPE- 2
MJ338_3	PENSION PLAN TYPE- 3
MJ338_4	PENSION PLAN TYPE- 4
MJ413_1	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
MJ413_2	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
MJ413_3	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
MJ413_4	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
HRS 2004-2006:	
xJ338A	PENSION PLAN TYPE- 1
xJ338B	PENSION PLAN TYPE- 2
xJ338C	PENSION PLAN TYPE- 3
xJ338D	PENSION PLAN TYPE- 4
xJ339A	AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-1
xJ339B	AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-2
xJ339C	AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-3
xJ339D	AMOUNT IN ACCOUNT PRESENTLY-PLAN A/B-4
xJ413A	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-1
xJ413B	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-2
xJ413C	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-3
xJ413D	AMOUNT IN ACCOUNT PRESENTLY-PLAN B-4
HRS 2008-2010:	
xJ393_1	CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
xJ393_2	CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
xJ393_3	CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
xJ393_4	CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
xJ863_1	CERTAINTY ABOUT TYPE OF PLAN -1
xJ863_2	CERTAINTY ABOUT TYPE OF PLAN -2
xJ863_3	CERTAINTY ABOUT TYPE OF PLAN -3
xJ863_4	CERTAINTY ABOUT TYPE OF PLAN -4
HRS 2012-2016:	
xJ2338_1	PENSION PLAN TYPE-DB OR DC -1_1
xJ2338_10	PENSION PLAN TYPE-DB OR DC -1_10
xJ2338_2	PENSION PLAN TYPE-DB OR DC -1_2
xJ2338_3	PENSION PLAN TYPE-DB OR DC -1_3
xJ2338_4	PENSION PLAN TYPE-DB OR DC -1_4
xJ2338_5	PENSION PLAN TYPE-DB OR DC -1_5
xJ2338_6	PENSION PLAN TYPE-DB OR DC -1_6
xJ2338_7	PENSION PLAN TYPE-DB OR DC -1_7

xJ2338_8	PENSION PLAN TYPE-DB OR DC -1_8
xJ2338_9	PENSION PLAN TYPE-DB OR DC -1_9
xJ2W009_1	AMOUNT IN PENSION NOW -1_1
xJ2W009_10	AMOUNT IN PENSION NOW -1_10
xJ2W009_2	AMOUNT IN PENSION NOW -1_2
xJ2W009_3	AMOUNT IN PENSION NOW -1_3
xJ2W009_4	AMOUNT IN PENSION NOW -1_4
xJ2W009_5	AMOUNT IN PENSION NOW -1_5
xJ2W009_6	AMOUNT IN PENSION NOW -1_6
xJ2W009_7	AMOUNT IN PENSION NOW -1_7
xJ2W009_8	AMOUNT IN PENSION NOW -1_8
xJ2W009_9	AMOUNT IN PENSION NOW -1_9
HRS 2014-2016:	
xJ2Z140_1	PREV WAVE OLD PENSION TYPE_1
xJ2Z140_10	PREV WAVE OLD PENSION TYPE_10
xJ2Z140_2	PREV WAVE OLD PENSION TYPE_2
xJ2Z140_3	PREV WAVE OLD PENSION TYPE_3
xJ2Z140_4	PREV WAVE OLD PENSION TYPE_4
xJ2Z140_5	PREV WAVE OLD PENSION TYPE_5
xJ2Z140_6	PREV WAVE OLD PENSION TYPE_6
xJ2Z140_7	PREV WAVE OLD PENSION TYPE_7
xJ2Z140_8	PREV WAVE OLD PENSION TYPE_8
xJ2Z140_9	PREV WAVE OLD PENSION TYPE_9

Employer's annual contribution to Respondent's DC plan

Wave	Variable	Label	Type
1	R1DCBENE1	R1DCBENE1:W1 Employer contribution to DC plan #1	Cont
2	R2DCBENE1	R2DCBENE1:W2 Employer contribution to DC plan #1	Cont
3	R3DCBENE1	R3DCBENE1:W3 Employer contribution to DC plan #1	Cont
4	R4DCBENE1	R4DCBENE1:W4 Employer contribution to DC plan #1	Cont
5	R5DCBENE1	R5DCBENE1:W5 Employer contribution to DC plan #1	Cont
6	R6DCBENE1	R6DCBENE1:W6 Employer contribution to DC plan #1	Cont
7	R7DCBENE1	R7DCBENE1:W7 Employer contribution to DC plan #1	Cont
8	R8DCBENE1	R8DCBENE1:W8 Employer contribution to DC plan #1	Cont
9	R9DCBENE1	R9DCBENE1:W9 Employer contribution to DC plan #1	Cont
10	R10DCBENE1	R10DCBENE1:W10 Employer contribution to DC plan #1	Cont
11	R11DCBENE1	R11DCBENE1:W11 Employer contribution to DC plan #1	Cont
12	R12DCBENE1	R12DCBENE1:W12 Employer contribution to DC plan #1	Cont
13	R13DCBENE1	R13DCBENE1:W13 Employer contribution to DC plan #1	Cont
1	S1DCBENE1	S1DCBENE1:W1 Employer contribution to DC plan #1	Cont
2	S2DCBENE1	S2DCBENE1:W2 Employer contribution to DC plan #1	Cont
3	S3DCBENE1	S3DCBENE1:W3 Employer contribution to DC plan #1	Cont
4	S4DCBENE1	S4DCBENE1:W4 Employer contribution to DC plan #1	Cont
5	S5DCBENE1	S5DCBENE1:W5 Employer contribution to DC plan #1	Cont
6	S6DCBENE1	S6DCBENE1:W6 Employer contribution to DC plan #1	Cont
7	S7DCBENE1	S7DCBENE1:W7 Employer contribution to DC plan #1	Cont
8	S8DCBENE1	S8DCBENE1:W8 Employer contribution to DC plan #1	Cont
9	S9DCBENE1	S9DCBENE1:W9 Employer contribution to DC plan #1	Cont
10	S10DCBENE1	S10DCBENE1:W10 Employer contribution to DC plan #1	Cont
11	S11DCBENE1	S11DCBENE1:W11 Employer contribution to DC plan #1	Cont
12	S12DCBENE1	S12DCBENE1:W12 Employer contribution to DC plan #1	Cont
13	S13DCBENE1	S13DCBENE1:W13 Employer contribution to DC plan #1	Cont
1	R1DCBENE2	R1DCBENE2:W1 Employer contribution to DC plan #2	Cont
2	R2DCBENE2	R2DCBENE2:W2 Employer contribution to DC plan #2	Cont
3	R3DCBENE2	R3DCBENE2:W3 Employer contribution to DC plan #2	Cont
4	R4DCBENE2	R4DCBENE2:W4 Employer contribution to DC plan #2	Cont
5	R5DCBENE2	R5DCBENE2:W5 Employer contribution to DC plan #2	Cont
6	R6DCBENE2	R6DCBENE2:W6 Employer contribution to DC plan #2	Cont
7	R7DCBENE2	R7DCBENE2:W7 Employer contribution to DC plan #2	Cont
8	R8DCBENE2	R8DCBENE2:W8 Employer contribution to DC plan #2	Cont
9	R9DCBENE2	R9DCBENE2:W9 Employer contribution to DC plan #2	Cont
10	R10DCBENE2	R10DCBENE2:W10 Employer contribution to DC plan #2	Cont
11	R11DCBENE2	R11DCBENE2:W11 Employer contribution to DC plan #2	Cont
12	R12DCBENE2	R12DCBENE2:W12 Employer contribution to DC plan #2	Cont
13	R13DCBENE2	R13DCBENE2:W13 Employer contribution to DC plan #2	Cont
1	S1DCBENE2	S1DCBENE2:W1 Employer contribution to DC plan #2	Cont
2	S2DCBENE2	S2DCBENE2:W2 Employer contribution to DC plan #2	Cont
3	S3DCBENE2	S3DCBENE2:W3 Employer contribution to DC plan #2	Cont
4	S4DCBENE2	S4DCBENE2:W4 Employer contribution to DC plan #2	Cont
5	S5DCBENE2	S5DCBENE2:W5 Employer contribution to DC plan #2	Cont
6	S6DCBENE2	S6DCBENE2:W6 Employer contribution to DC plan #2	Cont
7	S7DCBENE2	S7DCBENE2:W7 Employer contribution to DC plan #2	Cont
8	S8DCBENE2	S8DCBENE2:W8 Employer contribution to DC plan #2	Cont
9	S9DCBENE2	S9DCBENE2:W9 Employer contribution to DC plan #2	Cont
10	S10DCBENE2	S10DCBENE2:W10 Employer contribution to DC plan #2	Cont
11	S11DCBENE2	S11DCBENE2:W11 Employer contribution to DC plan #2	Cont
12	S12DCBENE2	S12DCBENE2:W12 Employer contribution to DC plan #2	Cont
13	S13DCBENE2	S13DCBENE2:W13 Employer contribution to DC plan #2	Cont
1	R1DCBENE3	R1DCBENE3:W1 Employer contribution to DC plan #3	Cont
2	R2DCBENE3	R2DCBENE3:W2 Employer contribution to DC plan #3	Cont
3	R3DCBENE3	R3DCBENE3:W3 Employer contribution to DC plan #3	Cont
4	R4DCBENE3	R4DCBENE3:W4 Employer contribution to DC plan #3	Cont
5	R5DCBENE3	R5DCBENE3:W5 Employer contribution to DC plan #3	Cont
6	R6DCBENE3	R6DCBENE3:W6 Employer contribution to DC plan #3	Cont
7	R7DCBENE3	R7DCBENE3:W7 Employer contribution to DC plan #3	Cont
8	R8DCBENE3	R8DCBENE3:W8 Employer contribution to DC plan #3	Cont
9	R9DCBENE3	R9DCBENE3:W9 Employer contribution to DC plan #3	Cont
10	R10DCBENE3	R10DCBENE3:W10 Employer contribution to DC plan #3	Cont

11	R11DCBENE3	R11DCBENE3:W11 Employer contribution to DC plan #3	Cont
12	R12DCBENE3	R12DCBENE3:W12 Employer contribution to DC plan #3	Cont
13	R13DCBENE3	R13DCBENE3:W13 Employer contribution to DC plan #3	Cont
1	S1DCBENE3	S1DCBENE3:W1 Employer contribution to DC plan #3	Cont
2	S2DCBENE3	S2DCBENE3:W2 Employer contribution to DC plan #3	Cont
3	S3DCBENE3	S3DCBENE3:W3 Employer contribution to DC plan #3	Cont
4	S4DCBENE3	S4DCBENE3:W4 Employer contribution to DC plan #3	Cont
5	S5DCBENE3	S5DCBENE3:W5 Employer contribution to DC plan #3	Cont
6	S6DCBENE3	S6DCBENE3:W6 Employer contribution to DC plan #3	Cont
7	S7DCBENE3	S7DCBENE3:W7 Employer contribution to DC plan #3	Cont
8	S8DCBENE3	S8DCBENE3:W8 Employer contribution to DC plan #3	Cont
9	S9DCBENE3	S9DCBENE3:W9 Employer contribution to DC plan #3	Cont
10	S10DCBENE3	S10DCBENE3:W10 Employer contribution to DC plan #3	Cont
11	S11DCBENE3	S11DCBENE3:W11 Employer contribution to DC plan #3	Cont
12	S12DCBENE3	S12DCBENE3:W12 Employer contribution to DC plan #3	Cont
13	S13DCBENE3	S13DCBENE3:W13 Employer contribution to DC plan #3	Cont
5	R5DCBENE4	R5DCBENE4:W5 Employer contribution to DC plan #4	Cont
6	R6DCBENE4	R6DCBENE4:W6 Employer contribution to DC plan #4	Cont
7	R7DCBENE4	R7DCBENE4:W7 Employer contribution to DC plan #4	Cont
8	R8DCBENE4	R8DCBENE4:W8 Employer contribution to DC plan #4	Cont
9	R9DCBENE4	R9DCBENE4:W9 Employer contribution to DC plan #4	Cont
10	R10DCBENE4	R10DCBENE4:W10 Employer contribution to DC plan #4	Cont
11	R11DCBENE4	R11DCBENE4:W11 Employer contribution to DC plan #4	Cont
12	R12DCBENE4	R12DCBENE4:W12 Employer contribution to DC plan #4	Cont
13	R13DCBENE4	R13DCBENE4:W13 Employer contribution to DC plan #4	Cont
5	S5DCBENE4	S5DCBENE4:W5 Employer contribution to DC plan #4	Cont
6	S6DCBENE4	S6DCBENE4:W6 Employer contribution to DC plan #4	Cont
7	S7DCBENE4	S7DCBENE4:W7 Employer contribution to DC plan #4	Cont
8	S8DCBENE4	S8DCBENE4:W8 Employer contribution to DC plan #4	Cont
9	S9DCBENE4	S9DCBENE4:W9 Employer contribution to DC plan #4	Cont
10	S10DCBENE4	S10DCBENE4:W10 Employer contribution to DC plan #4	Cont
11	S11DCBENE4	S11DCBENE4:W11 Employer contribution to DC plan #4	Cont
12	S12DCBENE4	S12DCBENE4:W12 Employer contribution to DC plan #4	Cont
13	S13DCBENE4	S13DCBENE4:W13 Employer contribution to DC plan #4	Cont
1	R1DCMODE1	R1DCMODE1:W1 Employer contribution: \$ or % #1	Categ
2	R2DCMODE1	R2DCMODE1:W2 Employer contribution: \$ or % #1	Categ
3	R3DCMODE1	R3DCMODE1:W3 Employer contribution: \$ or % #1	Categ
4	R4DCMODE1	R4DCMODE1:W4 Employer contribution: \$ or % #1	Categ
5	R5DCMODE1	R5DCMODE1:W5 Employer contribution: \$ or % #1	Categ
6	R6DCMODE1	R6DCMODE1:W6 Employer contribution: \$ or % #1	Categ
7	R7DCMODE1	R7DCMODE1:W7 Employer contribution: \$ or % #1	Categ
8	R8DCMODE1	R8DCMODE1:W8 Employer contribution: \$ or % #1	Categ
9	R9DCMODE1	R9DCMODE1:W9 Employer contribution: \$ or % #1	Categ
10	R10DCMODE1	R10DCMODE1:W10 Employer contribution: \$ or % #1	Categ
11	R11DCMODE1	R11DCMODE1:W11 Employer contribution: \$ or % #1	Categ
12	R12DCMODE1	R12DCMODE1:W12 Employer contribution: \$ or % #1	Categ
13	R13DCMODE1	R13DCMODE1:W13 Employer contribution: \$ or % #1	Categ
1	S1DCMODE1	S1DCMODE1:W1 Employer contribution: \$ or % #1	Categ
2	S2DCMODE1	S2DCMODE1:W2 Employer contribution: \$ or % #1	Categ
3	S3DCMODE1	S3DCMODE1:W3 Employer contribution: \$ or % #1	Categ
4	S4DCMODE1	S4DCMODE1:W4 Employer contribution: \$ or % #1	Categ
5	S5DCMODE1	S5DCMODE1:W5 Employer contribution: \$ or % #1	Categ
6	S6DCMODE1	S6DCMODE1:W6 Employer contribution: \$ or % #1	Categ
7	S7DCMODE1	S7DCMODE1:W7 Employer contribution: \$ or % #1	Categ
8	S8DCMODE1	S8DCMODE1:W8 Employer contribution: \$ or % #1	Categ
9	S9DCMODE1	S9DCMODE1:W9 Employer contribution: \$ or % #1	Categ
10	S10DCMODE1	S10DCMODE1:W10 Employer contribution: \$ or % #1	Categ
11	S11DCMODE1	S11DCMODE1:W11 Employer contribution: \$ or % #1	Categ
12	S12DCMODE1	S12DCMODE1:W12 Employer contribution: \$ or % #1	Categ
13	S13DCMODE1	S13DCMODE1:W13 Employer contribution: \$ or % #1	Categ
1	R1DCMODE2	R1DCMODE2:W1 Employer contribution: \$ or % #2	Categ
2	R2DCMODE2	R2DCMODE2:W2 Employer contribution: \$ or % #2	Categ
3	R3DCMODE2	R3DCMODE2:W3 Employer contribution: \$ or % #2	Categ
4	R4DCMODE2	R4DCMODE2:W4 Employer contribution: \$ or % #2	Categ
5	R5DCMODE2	R5DCMODE2:W5 Employer contribution: \$ or % #2	Categ
6	R6DCMODE2	R6DCMODE2:W6 Employer contribution: \$ or % #2	Categ

7	R7DCMODE2	R7DCMODE2:W7 Employer contribution: \$ or % #2	Categ
8	R8DCMODE2	R8DCMODE2:W8 Employer contribution: \$ or % #2	Categ
9	R9DCMODE2	R9DCMODE2:W9 Employer contribution: \$ or % #2	Categ
10	R10DCMODE2	R10DCMODE2:W10 Employer contribution: \$ or % #2	Categ
11	R11DCMODE2	R11DCMODE2:W11 Employer contribution: \$ or % #2	Categ
12	R12DCMODE2	R12DCMODE2:W12 Employer contribution: \$ or % #2	Categ
13	R13DCMODE2	R13DCMODE2:W13 Employer contribution: \$ or % #2	Categ
1	S1DCMODE2	S1DCMODE2:W1 Employer contribution: \$ or % #2	Categ
2	S2DCMODE2	S2DCMODE2:W2 Employer contribution: \$ or % #2	Categ
3	S3DCMODE2	S3DCMODE2:W3 Employer contribution: \$ or % #2	Categ
4	S4DCMODE2	S4DCMODE2:W4 Employer contribution: \$ or % #2	Categ
5	S5DCMODE2	S5DCMODE2:W5 Employer contribution: \$ or % #2	Categ
6	S6DCMODE2	S6DCMODE2:W6 Employer contribution: \$ or % #2	Categ
7	S7DCMODE2	S7DCMODE2:W7 Employer contribution: \$ or % #2	Categ
8	S8DCMODE2	S8DCMODE2:W8 Employer contribution: \$ or % #2	Categ
9	S9DCMODE2	S9DCMODE2:W9 Employer contribution: \$ or % #2	Categ
10	S10DCMODE2	S10DCMODE2:W10 Employer contribution: \$ or % #2	Categ
11	S11DCMODE2	S11DCMODE2:W11 Employer contribution: \$ or % #2	Categ
12	S12DCMODE2	S12DCMODE2:W12 Employer contribution: \$ or % #2	Categ
13	S13DCMODE2	S13DCMODE2:W13 Employer contribution: \$ or % #2	Categ
1	R1DCMODE3	R1DCMODE3:W1 Employer contribution: \$ or % #3	Categ
2	R2DCMODE3	R2DCMODE3:W2 Employer contribution: \$ or % #3	Categ
3	R3DCMODE3	R3DCMODE3:W3 Employer contribution: \$ or % #3	Categ
4	R4DCMODE3	R4DCMODE3:W4 Employer contribution: \$ or % #3	Categ
5	R5DCMODE3	R5DCMODE3:W5 Employer contribution: \$ or % #3	Categ
6	R6DCMODE3	R6DCMODE3:W6 Employer contribution: \$ or % #3	Categ
7	R7DCMODE3	R7DCMODE3:W7 Employer contribution: \$ or % #3	Categ
8	R8DCMODE3	R8DCMODE3:W8 Employer contribution: \$ or % #3	Categ
9	R9DCMODE3	R9DCMODE3:W9 Employer contribution: \$ or % #3	Categ
10	R10DCMODE3	R10DCMODE3:W10 Employer contribution: \$ or % #3	Categ
11	R11DCMODE3	R11DCMODE3:W11 Employer contribution: \$ or % #3	Categ
12	R12DCMODE3	R12DCMODE3:W12 Employer contribution: \$ or % #3	Categ
13	R13DCMODE3	R13DCMODE3:W13 Employer contribution: \$ or % #3	Categ
1	S1DCMODE3	S1DCMODE3:W1 Employer contribution: \$ or % #3	Categ
2	S2DCMODE3	S2DCMODE3:W2 Employer contribution: \$ or % #3	Categ
3	S3DCMODE3	S3DCMODE3:W3 Employer contribution: \$ or % #3	Categ
4	S4DCMODE3	S4DCMODE3:W4 Employer contribution: \$ or % #3	Categ
5	S5DCMODE3	S5DCMODE3:W5 Employer contribution: \$ or % #3	Categ
6	S6DCMODE3	S6DCMODE3:W6 Employer contribution: \$ or % #3	Categ
7	S7DCMODE3	S7DCMODE3:W7 Employer contribution: \$ or % #3	Categ
8	S8DCMODE3	S8DCMODE3:W8 Employer contribution: \$ or % #3	Categ
9	S9DCMODE3	S9DCMODE3:W9 Employer contribution: \$ or % #3	Categ
10	S10DCMODE3	S10DCMODE3:W10 Employer contribution: \$ or % #3	Categ
11	S11DCMODE3	S11DCMODE3:W11 Employer contribution: \$ or % #3	Categ
12	S12DCMODE3	S12DCMODE3:W12 Employer contribution: \$ or % #3	Categ
13	S13DCMODE3	S13DCMODE3:W13 Employer contribution: \$ or % #3	Categ
5	R5DCMODE4	R5DCMODE4:W5 Employer contribution: \$ or % #4	Categ
6	R6DCMODE4	R6DCMODE4:W6 Employer contribution: \$ or % #4	Categ
7	R7DCMODE4	R7DCMODE4:W7 Employer contribution: \$ or % #4	Categ
8	R8DCMODE4	R8DCMODE4:W8 Employer contribution: \$ or % #4	Categ
9	R9DCMODE4	R9DCMODE4:W9 Employer contribution: \$ or % #4	Categ
10	R10DCMODE4	R10DCMODE4:W10 Employer contribution: \$ or % #4	Categ
11	R11DCMODE4	R11DCMODE4:W11 Employer contribution: \$ or % #4	Categ
12	R12DCMODE4	R12DCMODE4:W12 Employer contribution: \$ or % #4	Categ
13	R13DCMODE4	R13DCMODE4:W13 Employer contribution: \$ or % #4	Categ
5	S5DCMODE4	S5DCMODE4:W5 Employer contribution: \$ or % #4	Categ
6	S6DCMODE4	S6DCMODE4:W6 Employer contribution: \$ or % #4	Categ
7	S7DCMODE4	S7DCMODE4:W7 Employer contribution: \$ or % #4	Categ
8	S8DCMODE4	S8DCMODE4:W8 Employer contribution: \$ or % #4	Categ
9	S9DCMODE4	S9DCMODE4:W9 Employer contribution: \$ or % #4	Categ
10	S10DCMODE4	S10DCMODE4:W10 Employer contribution: \$ or % #4	Categ
11	S11DCMODE4	S11DCMODE4:W11 Employer contribution: \$ or % #4	Categ
12	S12DCMODE4	S12DCMODE4:W12 Employer contribution: \$ or % #4	Categ
13	S13DCMODE4	S13DCMODE4:W13 Employer contribution: \$ or % #4	Categ
1	R1DCPCT1	R1DCPCT1:W1 Employer % contribution #1	Cont
2	R2DCPCT1	R2DCPCT1:W2 Employer % contribution #1	Cont

3	R3DCPCT1	R3DCPCT1:W3 Employer % contribution #1	Cont
4	R4DCPCT1	R4DCPCT1:W4 Employer % contribution #1	Cont
5	R5DCPCT1	R5DCPCT1:W5 Employer % contribution #1	Cont
6	R6DCPCT1	R6DCPCT1:W6 Employer % contribution #1	Cont
7	R7DCPCT1	R7DCPCT1:W7 Employer % contribution #1	Cont
8	R8DCPCT1	R8DCPCT1:W8 Employer % contribution #1	Cont
9	R9DCPCT1	R9DCPCT1:W9 Employer % contribution #1	Cont
10	R10DCPCT1	R10DCPCT1:W10 Employer % contribution #1	Cont
11	R11DCPCT1	R11DCPCT1:W11 Employer % contribution #1	Cont
12	R12DCPCT1	R12DCPCT1:W12 Employer % contribution #1	Cont
13	R13DCPCT1	R13DCPCT1:W13 Employer % contribution #1	Cont
1	S1DCPCT1	S1DCPCT1:W1 Employer % contribution #1	Cont
2	S2DCPCT1	S2DCPCT1:W2 Employer % contribution #1	Cont
3	S3DCPCT1	S3DCPCT1:W3 Employer % contribution #1	Cont
4	S4DCPCT1	S4DCPCT1:W4 Employer % contribution #1	Cont
5	S5DCPCT1	S5DCPCT1:W5 Employer % contribution #1	Cont
6	S6DCPCT1	S6DCPCT1:W6 Employer % contribution #1	Cont
7	S7DCPCT1	S7DCPCT1:W7 Employer % contribution #1	Cont
8	S8DCPCT1	S8DCPCT1:W8 Employer % contribution #1	Cont
9	S9DCPCT1	S9DCPCT1:W9 Employer % contribution #1	Cont
10	S10DCPCT1	S10DCPCT1:W10 Employer % contribution #1	Cont
11	S11DCPCT1	S11DCPCT1:W11 Employer % contribution #1	Cont
12	S12DCPCT1	S12DCPCT1:W12 Employer % contribution #1	Cont
13	S13DCPCT1	S13DCPCT1:W13 Employer % contribution #1	Cont
1	R1DCPCT2	R1DCPCT2:W1 Employer % contribution #2	Cont
2	R2DCPCT2	R2DCPCT2:W2 Employer % contribution #2	Cont
3	R3DCPCT2	R3DCPCT2:W3 Employer % contribution #2	Cont
4	R4DCPCT2	R4DCPCT2:W4 Employer % contribution #2	Cont
5	R5DCPCT2	R5DCPCT2:W5 Employer % contribution #2	Cont
6	R6DCPCT2	R6DCPCT2:W6 Employer % contribution #2	Cont
7	R7DCPCT2	R7DCPCT2:W7 Employer % contribution #2	Cont
8	R8DCPCT2	R8DCPCT2:W8 Employer % contribution #2	Cont
9	R9DCPCT2	R9DCPCT2:W9 Employer % contribution #2	Cont
10	R10DCPCT2	R10DCPCT2:W10 Employer % contribution #2	Cont
11	R11DCPCT2	R11DCPCT2:W11 Employer % contribution #2	Cont
12	R12DCPCT2	R12DCPCT2:W12 Employer % contribution #2	Cont
13	R13DCPCT2	R13DCPCT2:W13 Employer % contribution #2	Cont
1	S1DCPCT2	S1DCPCT2:W1 Employer % contribution #2	Cont
2	S2DCPCT2	S2DCPCT2:W2 Employer % contribution #2	Cont
3	S3DCPCT2	S3DCPCT2:W3 Employer % contribution #2	Cont
4	S4DCPCT2	S4DCPCT2:W4 Employer % contribution #2	Cont
5	S5DCPCT2	S5DCPCT2:W5 Employer % contribution #2	Cont
6	S6DCPCT2	S6DCPCT2:W6 Employer % contribution #2	Cont
7	S7DCPCT2	S7DCPCT2:W7 Employer % contribution #2	Cont
8	S8DCPCT2	S8DCPCT2:W8 Employer % contribution #2	Cont
9	S9DCPCT2	S9DCPCT2:W9 Employer % contribution #2	Cont
10	S10DCPCT2	S10DCPCT2:W10 Employer % contribution #2	Cont
11	S11DCPCT2	S11DCPCT2:W11 Employer % contribution #2	Cont
12	S12DCPCT2	S12DCPCT2:W12 Employer % contribution #2	Cont
13	S13DCPCT2	S13DCPCT2:W13 Employer % contribution #2	Cont
1	R1DCPCT3	R1DCPCT3:W1 Employer % contribution #3	Cont
2	R2DCPCT3	R2DCPCT3:W2 Employer % contribution #3	Cont
3	R3DCPCT3	R3DCPCT3:W3 Employer % contribution #3	Cont
4	R4DCPCT3	R4DCPCT3:W4 Employer % contribution #3	Cont
5	R5DCPCT3	R5DCPCT3:W5 Employer % contribution #3	Cont
6	R6DCPCT3	R6DCPCT3:W6 Employer % contribution #3	Cont
7	R7DCPCT3	R7DCPCT3:W7 Employer % contribution #3	Cont
8	R8DCPCT3	R8DCPCT3:W8 Employer % contribution #3	Cont
9	R9DCPCT3	R9DCPCT3:W9 Employer % contribution #3	Cont
10	R10DCPCT3	R10DCPCT3:W10 Employer % contribution #3	Cont
11	R11DCPCT3	R11DCPCT3:W11 Employer % contribution #3	Cont
12	R12DCPCT3	R12DCPCT3:W12 Employer % contribution #3	Cont
13	R13DCPCT3	R13DCPCT3:W13 Employer % contribution #3	Cont
1	S1DCPCT3	S1DCPCT3:W1 Employer % contribution #3	Cont
2	S2DCPCT3	S2DCPCT3:W2 Employer % contribution #3	Cont
3	S3DCPCT3	S3DCPCT3:W3 Employer % contribution #3	Cont
4	S4DCPCT3	S4DCPCT3:W4 Employer % contribution #3	Cont

5	S5DCPCT3	S5DCPCT3:W5 Employer % contribution #3	Cont
6	S6DCPCT3	S6DCPCT3:W6 Employer % contribution #3	Cont
7	S7DCPCT3	S7DCPCT3:W7 Employer % contribution #3	Cont
8	S8DCPCT3	S8DCPCT3:W8 Employer % contribution #3	Cont
9	S9DCPCT3	S9DCPCT3:W9 Employer % contribution #3	Cont
10	S10DCPCT3	S10DCPCT3:W10 Employer % contribution #3	Cont
11	S11DCPCT3	S11DCPCT3:W11 Employer % contribution #3	Cont
12	S12DCPCT3	S12DCPCT3:W12 Employer % contribution #3	Cont
13	S13DCPCT3	S13DCPCT3:W13 Employer % contribution #3	Cont
5	R5DCPCT4	R5DCPCT4:W5 Employer % contribution #4	Cont
6	R6DCPCT4	R6DCPCT4:W6 Employer % contribution #4	Cont
7	R7DCPCT4	R7DCPCT4:W7 Employer % contribution #4	Cont
8	R8DCPCT4	R8DCPCT4:W8 Employer % contribution #4	Cont
9	R9DCPCT4	R9DCPCT4:W9 Employer % contribution #4	Cont
10	R10DCPCT4	R10DCPCT4:W10 Employer % contribution #4	Cont
11	R11DCPCT4	R11DCPCT4:W11 Employer % contribution #4	Cont
12	R12DCPCT4	R12DCPCT4:W12 Employer % contribution #4	Cont
13	R13DCPCT4	R13DCPCT4:W13 Employer % contribution #4	Cont
5	S5DCPCT4	S5DCPCT4:W5 Employer % contribution #4	Cont
6	S6DCPCT4	S6DCPCT4:W6 Employer % contribution #4	Cont
7	S7DCPCT4	S7DCPCT4:W7 Employer % contribution #4	Cont
8	S8DCPCT4	S8DCPCT4:W8 Employer % contribution #4	Cont
9	S9DCPCT4	S9DCPCT4:W9 Employer % contribution #4	Cont
10	S10DCPCT4	S10DCPCT4:W10 Employer % contribution #4	Cont
11	S11DCPCT4	S11DCPCT4:W11 Employer % contribution #4	Cont
12	S12DCPCT4	S12DCPCT4:W12 Employer % contribution #4	Cont
13	S13DCPCT4	S13DCPCT4:W13 Employer % contribution #4	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1DCBENE1	952	3702.90	11655.67	0.0	237500.0
R2DCBENE1	291	8288.91	54857.88	0.0	888000.0
R3DCBENE1	318	2780.85	6201.46	0.0	78000.0
R4DCBENE1	619	4940.08	14673.53	0.0	300000.0
R5DCBENE1	440	3830.45	14991.92	0.0	250000.0
R6DCBENE1	329	4281.54	11365.14	0.0	150800.0
R7DCBENE1	1280	5324.57	18514.36	0.0	447200.0
R8DCBENE1	989	4415.81	15660.32	0.0	350000.0
R9DCBENE1	873	3275.34	5343.02	0.0	72000.0
R10DCBENE1	1319	3660.54	6208.14	0.0	92500.0
R11DCBENE1	1605	2466.32	6336.90	0.0	90000.0
R12DCBENE1	1630	2536.31	10926.48	0.0	400000.0
R13DCBENE1	1994	3043.45	10718.06	0.0	400000.0
S1DCBENE1	766	3636.10	11455.29	0.0	237500.0
S2DCBENE1	228	8731.70	61353.57	0.0	888000.0
S3DCBENE1	250	2894.56	6588.22	0.0	78000.0
S4DCBENE1	489	5080.88	15922.44	0.0	300000.0
S5DCBENE1	331	4416.43	17164.28	0.0	250000.0
S6DCBENE1	267	4296.22	11736.64	0.0	150800.0
S7DCBENE1	1003	6079.66	20700.61	0.0	447200.0
S8DCBENE1	758	4844.01	17119.90	0.0	350000.0
S9DCBENE1	688	3355.66	5658.93	0.0	72000.0
S10DCBENE1	957	3662.93	5685.74	0.0	92500.0
S11DCBENE1	1202	2534.14	6637.71	0.0	90000.0
S12DCBENE1	1199	2718.24	12373.06	0.0	400000.0
S13DCBENE1	1350	3045.93	12143.40	0.0	400000.0

R1DCBENE2	809	2705.45	8766.71	0.0	149552.0
R2DCBENE2	83	3891.71	11705.81	0.0	80000.0
R3DCBENE2	107	2564.12	6224.84	0.0	34200.0
R4DCBENE2	295	3184.02	10589.94	0.0	98000.0
R5DCBENE2	115	2238.06	4628.12	0.0	31265.0
R6DCBENE2	88	3885.10	9853.56	0.0	70000.0
R7DCBENE2	544	3885.53	12390.40	0.0	135000.0
R8DCBENE2	304	2743.65	6939.66	0.0	60000.0
R9DCBENE2	180	3509.10	6305.20	0.0	72000.0
R10DCBENE2	282	6285.07	23623.74	0.0	300000.0
R11DCBENE2	408	2536.54	5623.17	0.0	81000.0
R12DCBENE2	425	4178.74	24544.66	0.0	488800.0
R13DCBENE2	431	2429.30	3638.43	0.0	25500.0
S1DCBENE2	657	2972.41	9463.67	0.0	149552.0
S2DCBENE2	67	3185.53	8712.14	0.0	50000.0
S3DCBENE2	91	2859.82	6645.72	0.0	34200.0
S4DCBENE2	237	3669.53	11712.91	0.0	98000.0
S5DCBENE2	86	2206.37	4891.38	0.0	31265.0
S6DCBENE2	70	3883.39	10440.86	0.0	70000.0
S7DCBENE2	416	4254.29	13716.80	0.0	135000.0
S8DCBENE2	228	3177.16	7865.13	0.0	60000.0
S9DCBENE2	152	3525.24	6605.70	0.0	72000.0
S10DCBENE2	209	6891.31	27045.62	0.0	300000.0
S11DCBENE2	297	2603.05	5946.07	0.0	81000.0
S12DCBENE2	309	4934.20	28406.82	0.0	488800.0
S13DCBENE2	305	2772.34	3854.55	0.0	25500.0
R1DCBENE3	66	9372.81	27560.17	0.0	200000.0
R2DCBENE3	15	2108.53	4326.39	0.0	14560.0
R3DCBENE3	13	1489.01	1829.71	0.0	5000.0
R4DCBENE3	38	1659.19	3377.98	0.0	16016.0
R5DCBENE3	18	3869.48	5167.15	0.0	16932.0
R6DCBENE3	7	5213.93	9750.90	0.0	27000.0
R7DCBENE3	69	16243.19	92769.07	0.0	743076.9
R8DCBENE3	25	1540.10	3174.88	0.0	15000.0
R9DCBENE3	18	7803.14	17094.97	175.0	75000.0
R10DCBENE3	39	3421.21	4211.79	0.0	17640.0
R11DCBENE3	61	4122.53	11300.42	0.0	75000.0
R12DCBENE3	69	3830.56	13429.99	0.0	104000.0
R13DCBENE3	51	1758.17	4236.85	0.0	25250.0
S1DCBENE3	49	10916.00	31356.80	0.0	200000.0
S2DCBENE3	13	1312.92	2803.77	0.0	7956.0
S3DCBENE3	11	1592.36	1983.18	0.0	5000.0
S4DCBENE3	32	1705.44	3554.23	0.0	16016.0
S5DCBENE3	13	4793.71	5761.16	0.0	16932.0
S6DCBENE3	7	5213.93	9750.90	0.0	27000.0
S7DCBENE3	54	20491.43	104671.51	0.0	743076.9
S8DCBENE3	22	1613.75	3344.67	0.0	15000.0
S9DCBENE3	17	8175.89	17545.53	175.0	75000.0
S10DCBENE3	27	3861.99	4480.57	0.0	17640.0
S11DCBENE3	50	3206.94	7104.68	0.0	38688.0
S12DCBENE3	50	2495.40	6328.71	0.0	40500.0
S13DCBENE3	39	1511.55	2870.27	0.0	12500.0
R5DCBENE4	3	392.31	679.50	0.0	1176.9
R7DCBENE4	12	2272.40	3498.03	0.0	10400.0
R8DCBENE4	1	0.00		0.0	0.0

R9DCBENE4	2	95.16	134.58	0.0	190.3
R10DCBENE4	5	9464.00	8966.50	1040.0	20400.0
R11DCBENE4	6	61615.00	136806.48	0.0	340000.0
R12DCBENE4	6	262.08	641.96	0.0	1572.5
R13DCBENE4	3	21606.67	30670.90	2820.0	57000.0
S5DCBENE4	3	392.31	679.50	0.0	1176.9
S7DCBENE4	11	1842.62	3319.89	0.0	10400.0
S8DCBENE4	1	0.00		0.0	0.0
S9DCBENE4	1	0.00		0.0	0.0
S10DCBENE4	4	11570.00	8810.74	2240.0	20400.0
S11DCBENE4	5	73938.00	149184.77	0.0	340000.0
S12DCBENE4	5	0.00	0.00	0.0	0.0
S13DCBENE4	2	31000.00	36769.55	5000.0	57000.0
R1DCMODE1	771	1.22	0.42	1.0	2.0
R2DCMODE1	222	1.20	0.40	1.0	2.0
R3DCMODE1	251	1.20	0.40	1.0	2.0
R4DCMODE1	493	1.14	0.35	1.0	2.0
R5DCMODE1	332	1.17	0.38	1.0	2.0
R6DCMODE1	257	1.14	0.35	1.0	2.0
R7DCMODE1	1036	1.14	0.35	1.0	2.0
R8DCMODE1	832	1.14	0.35	1.0	2.0
R9DCMODE1	869	1.45	0.76	1.0	3.0
R10DCMODE1	1313	1.42	0.73	1.0	3.0
R11DCMODE1	1033	1.36	0.69	1.0	3.0
R12DCMODE1	1078	1.41	0.72	1.0	3.0
R13DCMODE1	1395	1.43	0.76	1.0	3.0
S1DCMODE1	619	1.21	0.41	1.0	2.0
S2DCMODE1	172	1.21	0.41	1.0	2.0
S3DCMODE1	193	1.19	0.39	1.0	2.0
S4DCMODE1	390	1.14	0.34	1.0	2.0
S5DCMODE1	248	1.19	0.39	1.0	2.0
S6DCMODE1	204	1.14	0.34	1.0	2.0
S7DCMODE1	813	1.15	0.35	1.0	2.0
S8DCMODE1	644	1.14	0.35	1.0	2.0
S9DCMODE1	685	1.45	0.76	1.0	3.0
S10DCMODE1	953	1.39	0.70	1.0	3.0
S11DCMODE1	763	1.35	0.67	1.0	3.0
S12DCMODE1	791	1.39	0.70	1.0	3.0
S13DCMODE1	949	1.41	0.73	1.0	3.0
R1DCMODE2	393	1.18	0.39	1.0	2.0
R2DCMODE2	40	1.30	0.46	1.0	2.0
R3DCMODE2	65	1.28	0.45	1.0	2.0
R4DCMODE2	151	1.20	0.40	1.0	2.0
R5DCMODE2	68	1.25	0.44	1.0	2.0
R6DCMODE2	47	1.23	0.43	1.0	2.0
R7DCMODE2	301	1.19	0.39	1.0	2.0
R8DCMODE2	181	1.20	0.40	1.0	2.0
R9DCMODE2	179	1.49	0.74	1.0	3.0
R10DCMODE2	278	1.42	0.71	1.0	3.0
R11DCMODE2	223	1.40	0.73	1.0	3.0
R12DCMODE2	249	1.35	0.69	1.0	3.0
R13DCMODE2	241	1.41	0.73	1.0	3.0
S1DCMODE2	334	1.16	0.37	1.0	2.0
S2DCMODE2	34	1.29	0.46	1.0	2.0

S3DCMODE2	59	1.29	0.46	1.0	2.0
S4DCMODE2	122	1.20	0.41	1.0	2.0
S5DCMODE2	49	1.20	0.41	1.0	2.0
S6DCMODE2	37	1.27	0.45	1.0	2.0
S7DCMODE2	228	1.19	0.40	1.0	2.0
S8DCMODE2	131	1.18	0.38	1.0	2.0
S9DCMODE2	151	1.49	0.73	1.0	3.0
S10DCMODE2	207	1.38	0.67	1.0	3.0
S11DCMODE2	163	1.39	0.72	1.0	3.0
S12DCMODE2	189	1.33	0.67	1.0	3.0
S13DCMODE2	185	1.36	0.69	1.0	3.0
R1DCMODE3	52	1.17	0.38	1.0	2.0
R2DCMODE3	5	1.20	0.45	1.0	2.0
R3DCMODE3	9	1.22	0.44	1.0	2.0
R4DCMODE3	16	1.31	0.48	1.0	2.0
R5DCMODE3	12	1.25	0.45	1.0	2.0
R6DCMODE3	4	1.00	0.00	1.0	1.0
R7DCMODE3	29	1.28	0.45	1.0	2.0
R8DCMODE3	10	1.40	0.52	1.0	2.0
R9DCMODE3	18	1.61	0.78	1.0	3.0
R10DCMODE3	37	1.51	0.61	1.0	3.0
R11DCMODE3	28	1.43	0.69	1.0	3.0
R12DCMODE3	33	1.48	0.71	1.0	3.0
R13DCMODE3	18	1.33	0.59	1.0	3.0
S1DCMODE3	39	1.21	0.41	1.0	2.0
S2DCMODE3	4	1.25	0.50	1.0	2.0
S3DCMODE3	7	1.14	0.38	1.0	2.0
S4DCMODE3	14	1.36	0.50	1.0	2.0
S5DCMODE3	8	1.25	0.46	1.0	2.0
S6DCMODE3	4	1.00	0.00	1.0	1.0
S7DCMODE3	23	1.30	0.47	1.0	2.0
S8DCMODE3	9	1.44	0.53	1.0	2.0
S9DCMODE3	17	1.53	0.72	1.0	3.0
S10DCMODE3	25	1.60	0.65	1.0	3.0
S11DCMODE3	22	1.55	0.74	1.0	3.0
S12DCMODE3	22	1.36	0.66	1.0	3.0
S13DCMODE3	15	1.40	0.63	1.0	3.0
R5DCMODE4	1	2.00		2.0	2.0
R7DCMODE4	7	1.29	0.49	1.0	2.0
R9DCMODE4	1	1.00		1.0	1.0
R10DCMODE4	5	1.20	0.45	1.0	2.0
R11DCMODE4	3	1.67	1.15	1.0	3.0
R12DCMODE4	1	1.00		1.0	1.0
R13DCMODE4	3	1.33	0.58	1.0	2.0
S5DCMODE4	1	2.00		2.0	2.0
S7DCMODE4	6	1.33	0.52	1.0	2.0
S10DCMODE4	4	1.25	0.50	1.0	2.0
S11DCMODE4	3	1.67	1.15	1.0	3.0
S13DCMODE4	2	1.50	0.71	1.0	2.0
R1DCPCT1	600	13.01	21.26	0.3	100.0
R2DCPCT1	178	14.87	22.57	0.0	100.0
R3DCPCT1	204	12.69	20.39	0.0	100.0
R4DCPCT1	431	14.60	20.67	0.0	100.0
R5DCPCT1	277	10.86	17.61	0.0	100.0

R6DCPCT1	221	12.33	19.49	0.0	100.0
R7DCPCT1	888	11.98	19.89	0.0	100.0
R8DCPCT1	719	8.17	13.97	0.0	100.0
R9DCPCT1	627	6.14	8.02	0.0	100.0
R10DCPCT1	955	6.52	8.77	0.0	80.0
R11DCPCT1	787	6.41	10.92	0.0	100.0
R12DCPCT1	784	5.57	6.59	0.0	75.0
R13DCPCT1	1022	6.37	9.48	0.0	100.0
S1DCPCT1	489	13.25	21.71	0.3	100.0
S2DCPCT1	137	13.61	20.91	0.0	100.0
S3DCPCT1	158	12.97	20.82	0.0	100.0
S4DCPCT1	341	14.65	20.87	0.0	100.0
S5DCPCT1	205	11.34	18.73	0.0	100.0
S6DCPCT1	177	12.25	19.66	0.0	100.0
S7DCPCT1	695	12.93	21.05	0.0	100.0
S8DCPCT1	554	8.55	14.93	0.0	100.0
S9DCPCT1	492	6.14	8.28	0.0	100.0
S10DCPCT1	710	6.42	8.45	0.0	75.0
S11DCPCT1	584	6.28	10.94	0.0	100.0
S12DCPCT1	581	5.52	6.73	0.0	75.0
S13DCPCT1	704	5.76	7.04	0.0	100.0
R1DCPCT2	322	14.50	23.28	0.5	100.0
R2DCPCT2	29	16.72	27.11	0.0	100.0
R3DCPCT2	48	10.33	16.39	0.0	60.0
R4DCPCT2	122	13.10	23.25	0.0	100.0
R5DCPCT2	52	9.83	15.76	0.0	100.0
R6DCPCT2	37	19.73	29.56	0.0	100.0
R7DCPCT2	245	12.16	19.98	1.0	100.0
R8DCPCT2	145	8.36	15.65	1.0	100.0
R9DCPCT2	118	6.24	10.50	0.0	100.0
R10DCPCT2	200	7.34	13.59	0.0	100.0
R11DCPCT2	167	6.84	10.16	0.0	90.0
R12DCPCT2	192	5.83	7.82	1.0	75.0
R13DCPCT2	177	4.98	2.90	1.0	20.0
S1DCPCT2	279	14.63	23.60	0.5	100.0
S2DCPCT2	25	12.76	22.35	0.0	100.0
S3DCPCT2	43	10.12	16.05	0.0	60.0
S4DCPCT2	98	14.48	25.33	0.0	100.0
S5DCPCT2	40	10.50	17.60	0.0	100.0
S6DCPCT2	28	19.68	31.09	0.0	100.0
S7DCPCT2	184	13.02	21.99	1.0	100.0
S8DCPCT2	108	9.79	17.87	1.0	100.0
S9DCPCT2	99	6.24	11.27	0.0	100.0
S10DCPCT2	152	6.78	12.32	0.0	100.0
S11DCPCT2	123	6.50	9.92	0.0	90.0
S12DCPCT2	147	5.27	5.03	1.0	50.0
S13DCPCT2	142	5.08	3.03	1.0	20.0
R1DCPCT3	43	20.81	30.30	0.3	100.0
R2DCPCT3	4	24.50	18.70	6.0	50.0
R3DCPCT3	7	4.86	3.13	1.0	10.0
R4DCPCT3	12	17.33	27.07	0.0	100.0
R5DCPCT3	10	14.60	14.60	0.0	50.0
R6DCPCT3	4	12.50	5.00	5.0	15.0
R7DCPCT3	21	18.29	34.43	1.0	100.0
R8DCPCT3	6	4.00	1.55	2.0	6.0

R9DCPCT3	10	11.20	15.57	1.0	50.0
R10DCPCT3	22	6.82	10.65	0.0	50.0
R11DCPCT3	19	10.05	20.32	2.0	93.0
R12DCPCT3	21	9.14	15.50	1.0	75.0
R13DCPCT3	14	6.14	5.87	0.0	25.0
S1DCPCT3	31	22.60	30.87	0.3	100.0
S2DCPCT3	3	16.00	9.54	6.0	25.0
S3DCPCT3	6	4.50	3.27	1.0	10.0
S4DCPCT3	9	20.78	30.65	3.0	100.0
S5DCPCT3	7	18.71	15.86	0.0	50.0
S6DCPCT3	4	12.50	5.00	5.0	15.0
S7DCPCT3	16	22.13	38.78	1.0	100.0
S8DCPCT3	5	3.60	1.34	2.0	5.0
S9DCPCT3	10	11.20	15.57	1.0	50.0
S10DCPCT3	14	5.71	5.36	0.0	20.0
S11DCPCT3	13	11.77	24.51	2.0	93.0
S12DCPCT3	16	10.19	17.71	1.0	75.0
S13DCPCT3	11	4.73	2.53	0.0	10.0
R7DCPCT4	5	3.60	3.65	1.0	10.0
R9DCPCT4	2	0.50	0.71	0.0	1.0
R10DCPCT4	4	7.50	6.56	2.0	17.0
R11DCPCT4	2	11.00	12.73	2.0	20.0
R12DCPCT4	1	3.00		3.0	3.0
R13DCPCT4	2	28.00	31.11	6.0	50.0
S7DCPCT4	4	2.00	0.82	1.0	3.0
S9DCPCT4	1	0.00		0.0	0.0
S10DCPCT4	3	8.33	7.77	2.0	17.0
S11DCPCT4	2	11.00	12.73	2.0	20.0
S13DCPCT4	1	50.00		50.0	50.0

Categorical Variable Codes

RwDCMODE1: Employer contribution: \$ or % #1

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	|	2801	2209	1662	1862	1618	1185	1506	1225	1079	1860
.D=DK	|	442	135	139	271	193	183	516	443	332	401
.K=Missing wage/work info	|	51	17	23	43	29	31	127	70	98	117
.M=Oth missing	|	33		2	5		1	3		3	4
.Q=Not asked this wv	|	140	9336	1110	1184	1120	935	212	158	226	434
.R=RF	|	117	6	16	30	18	42	42	39	34	71
.S=R denies have pension	|	3834	3280	3574	4396	3794	3366	4167	3721	3238	4672
.W=Not working	|	4282	4368	11147	12974	12366	12093	12276	11824	11334	13156
.X=No contrib--not asked	|	181	69	67	126	108	72	244	157	4	6
1.Employer contributes % of	|	600	177	202	424	274	220	887	717	623	949
2.Employer contributes \$ am	|	171	45	49	69	58	37	149	115	102	174
3.Employer contributes % of	|									144	190

Value		w11	w12	w13
.B=Not DC plan	|	1535	1208	1438
.D=DK	|	451	359	450
.K=Missing wage/work info	|	121	86	130
.M=Oth missing	|	318	82	83
.Q=Not asked this wv	|			
.R=RF	|	46	51	80
.S=R denies have pension	|	3897	3468	4618
.W=Not working	|	12581	11852	12119
.X=No contrib--not asked	|	572	563	599
1.Employer contributes % of	|	783	779	1017
2.Employer contributes \$ am	|	127	153	151
3.Employer contributes % of	|	123	146	227

SwDCMODE1: Employer contribution: \$ or % #1

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	|	2209	1725	1251	1382	1234	880	1108	894	776	1301
.D=DK	|	324	101	105	195	139	137	374	332	237	279
.K=Missing wage/work info	|	41	13	16	29	24	24	86	58	64	79
.M=Oth missing	|	24		1	3		1	2		3	2
.Q=Not asked this wv	|	108	5415	868	936	863	698	165	122	168	296
.R=RF	|	92	4	11	7	9	27	29	27	24	39
.S=R denies have pension	|	3031	2570	2687	3201	2783	2478	3002	2684	2289	3164
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
.W=Not working	|	3305	3234	6728	7738	7347	7127	7203	6860	6397	7396
.X=No contrib--not asked	|	147	56	57	99	83	63	190	114	3	4
1.Employer contributes % of	|	489	136	156	337	202	176	694	552	489	706
2.Employer contributes \$ am	|	130	36	37	53	46	28	119	92	83	127
3.Employer contributes % of	|									113	120

Value		w11	w12	w13
.B=Not DC plan	|	1060	821	944
.D=DK	|	295	244	282
.K=Missing wage/work info	|	82	55	75
.M=Oth missing	|	216	48	52
.Q=Not asked this wv	|			
.R=RF	|	30	26	43
.S=R denies have pension	|	2620	2271	2859
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109

.W=Not working	|	6983	6338	6174
.X=No contrib--not asked	|	439	418	401
1.Employer contributes % of	|	581	578	700
2.Employer contributes \$ am	|	98	115	109
3.Employer contributes % of	|	84	98	140

RwDCMODE2: Employer contribution: \$ or % #2

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	|	204	223	177	304	232	180	297	156	303	550
.D=DK	|	184	41	52	103	78	67	169	96	99	154
.K=Missing wage/work info	|	33	6		7	5	6	23	16	14	21
.M=Oth missing	|	8		2	3	1		3		6	12
.Q=Not asked this wv	|	13	8586	306	276	293	224	40	10	220	373
.R=RF	|	76	5	12	24	14	36	41	17	32	59
.S=R denies have pension	|	7043	6330	6188	7398	6474	5471	6736	6046	5029	7427
.W=Not working	|	4282	4368	11147	12974	12366	12093	12276	11824	11334	13156
.X=No contrib--not asked	|	416	43	42	144	47	41	243	123	1	4
1.Employer contributes % of	|	322	28	47	121	51	36	245	145	117	196
2.Employer contributes \$ am	|	71	12	18	30	17	11	56	36	36	47
3.Employer contributes % of	|									26	35

Value	|	w11	w12	w13
.B=Not DC plan	|	456	331	342
.D=DK	|	194	144	205
.K=Missing wage/work info	|	22	17	22
.M=Oth missing	|	96	11	18
.Q=Not asked this wv	|			
.R=RF	|	32	33	49
.S=R denies have pension	|	6765	5934	7726
.W=Not working	|	12581	11852	12119
.X=No contrib--not asked	|	185	176	190
1.Employer contributes % of	|	166	192	177
2.Employer contributes \$ am	|	24	27	29
3.Employer contributes % of	|	33	30	35

SwDCMODE2: Employer contribution: \$ or % #2

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	|	163	183	136	237	186	143	232	126	220	378
.D=DK	|	135	31	36	77	62	48	125	73	73	99
.K=Missing wage/work info	|	26	5		7	5	4	19	11	8	13
.M=Oth missing	|	4		2	2			2		4	10
.Q=Not asked this wv	|	10	4833	244	217	228	170	31	9	162	271
.R=RF	|	57	4	7	4	6	25	29	9	21	29
.S=R denies have pension	|	5543	4933	4673	5461	4810	4052	4915	4419	3609	5108
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
.W=Not working	|	3305	3234	6728	7738	7347	7127	7203	6860	6397	7396
.X=No contrib--not asked	|	323	33	32	115	37	33	188	97	1	2
1.Employer contributes % of	|	279	24	42	97	39	27	184	108	98	150
2.Employer contributes \$ am	|	55	10	17	25	10	10	44	23	32	35
3.Employer contributes % of	|									21	22

Value	|	w11	w12	w13
.B=Not DC plan	|	326	231	246
.D=DK	|	132	93	125
.K=Missing wage/work info	|	20	14	16
.M=Oth missing	|	66	9	11

.Q=Not asked this wv	|			
.R=RF	|	14	20	24
.S=R denies have pension	|	4650	3998	4878
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.W=Not working	|	6983	6338	6174
.X=No contrib--not asked	|	134	120	120
1.Employer contributes % of	|	122	147	142
2.Employer contributes \$ am	|	18	21	20
3.Employer contributes % of	|	23	21	23

RwDCMODE3: Employer contribution: \$ or % #3

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	|	24	33	29	51	27	22	56	18	41	93
.D=DK	|	134	27	27	42	48	35	55	32	47	80
.K=Missing wage/work info	|	3	1				2	5	2		2
.M=Oth missing	|	5		1						2	5
.Q=Not asked this wv	|	2	8259	41	28	17	23	3	1	26	48
.R=RF	|	35	3	12	20	14	35	31	18	28	54
.S=R denies have pension	|	8101	6936	6721	8230	7088	5948	7634	6549	5721	8557
.W=Not working	|	4282	4368	11147	12974	12366	12093	12276	11824	11334	13156
.X=No contrib--not asked	|	14	10	4	23	6	3	40	15		2
1.Employer contributes % of	|	43	4	7	11	9	4	21	6	10	20
2.Employer contributes \$ am	|	9	1	2	5	3		8	4	5	15
3.Employer contributes % of	|									3	2

Value	|	w11	w12	w13
.B=Not DC plan	|	75	34	27
.D=DK	|	132	108	161
.K=Missing wage/work info	|	2	1	
.M=Oth missing	|	15	1	2
.Q=Not asked this wv	|			
.R=RF	|	23	28	43
.S=R denies have pension	|	7665	6654	8509
.W=Not working	|	12581	11852	12119
.X=No contrib--not asked	|	33	36	33
1.Employer contributes % of	|	19	21	13
2.Employer contributes \$ am	|	6	8	4
3.Employer contributes % of	|	3	4	1

SwDCMODE3: Employer contribution: \$ or % #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	22	27	25	42	25	16	44	14	31	65
.D=DK	102	20	19	28	39	25	44	28	35	51
.K=Missing wage/work info	3	1				1	3	2		2
.M=Oth missing	3		1						2	5
.Q=Not asked this wv	2	4581	35	21	11	18	2	1	20	36
.R=RF	27	2	7	3	6	24	20	10	18	27
.S=R denies have pension	6387	5412	5091	6115	5289	4421	5602	4798	4126	5904
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	384	417	536	311	220	380	317	365	722
.W=Not working	3305	3234	6728	7738	7347	7127	7203	6860	6397	7396
.X=No contrib--not asked	10	9	4	19	5	3	31	13		2
1.Employer contributes % of	31	3	6	9	6	4	16	5	10	12
2.Employer contributes \$ am	8	1	1	5	2		7	4	5	11
3.Employer contributes % of									2	2

Value	w11	w12	w13
.B=Not DC plan	55	28	21
.D=DK	86	64	96
.K=Missing wage/work info	1	1	
.M=Oth missing	9	1	1
.Q=Not asked this wv			
.R=RF	10	17	19
.S=R denies have pension	5294	4513	5429
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Not working	6983	6338	6174
.X=No contrib--not asked	28	28	24
1.Employer contributes % of	13	16	10
2.Employer contributes \$ am	6	4	4
3.Employer contributes % of	3	2	1

RwDCMODE4: Employer contribution: \$ or % #4

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan					4	4	7	3	4	19
.D=DK					43	34	39	25	35	69
.K=Missing wage/work info						1	1			
.M=Oth missing										
.Q=Not asked this wv					4	2	1		3	2
.R=RF					14	35	29	18	27	54
.S=R denies have pension					7144	5996	7764	6598	5812	8729
.W=Not working					12366	12093	12276	11824	11334	13156
.X=No contrib--not asked					2		5	1	1	
1.Employer contributes % of							5		1	4
2.Employer contributes \$ am					1		2			1
3.Employer contributes % of										

Value	w11	w12	w13
.B=Not DC plan	8	6	4
.D=DK	123	98	153
.K=Missing wage/work info			
.M=Oth missing	1		
.Q=Not asked this wv			
.R=RF	22	26	43
.S=R denies have pension	7813	6759	8590
.W=Not working	12581	11852	12119
.X=No contrib--not asked	3	5	

1.Employer contributes % of	|	2	1	2
2.Employer contributes \$ am	|			1
3.Employer contributes % of	|	1		

SwDCMODE4: Employer contribution: \$ or % #4

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Not DC plan	|					3	3	6	3	4	13
.D=DK	|					35	25	32	23	26	44
.K=Missing wage/work info	|						1	1			
.Q=Not asked this wv	|					3	2	1		3	1
.R=RF	|					6	24	20	10	18	27
.S=R denies have pension	|					5333	4457	5698	4838	4197	6028
.U=Unmarried	|					6537	6306	6777	6417	6206	7799
.V=Spouse NR	|					311	220	380	317	365	722
.W=Not working	|					7347	7127	7203	6860	6397	7396
.X=No contrib--not asked	|					2		5	1	1	
1.Employer contributes % of	|							4			3
2.Employer contributes \$ am	|					1		2			1
3.Employer contributes % of	|										

Value	|	w11	w12	w13
.B=Not DC plan	|	5	3	2
.D=DK	|	79	58	89
.K=Missing wage/work info	|			
.Q=Not asked this wv	|			
.R=RF	|	10	15	19
.S=R denies have pension	|	5406	4593	5493
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.W=Not working	|	6983	6338	6174
.X=No contrib--not asked	|	2	5	
1.Employer contributes % of	|	2		1
2.Employer contributes \$ am	|			1
3.Employer contributes % of	|	1		

Format Reference Tables – complete variable value labels

Variables: DCMODE1, DCMODE2, DCMODE3, DCMODE4

.A=Dollar contribution
 .B=Not DC plan
 .D=DK
 .H=Other specify
 .K=Missing wage/work info
 .M=Oth missing
 .O=Other
 .Q=Not asked this wv
 .R=RF
 .S=R denies have pension
 .U=Unmarried
 .V=Spouse NR
 .W=Not working
 .X=No contrib--not asked
 .Y=Pen not from curr job
 1.Employer contributes % of R's pay
 2.Employer contributes \$ amt
 3.Employer contributes % of R's contribution

How Constructed

RwDCBENE1, RwDCBENE2, RwDCBENE3 and RwDCBENE4 indicate the amount in nominal dollars that the Respondent's current employer contributes annually to a defined contribution pension plan for the Respondent. Before Wave 5, employer contributions may be reported for up to 3 plans. From Wave 5 through Wave 10, employer contributions may be reported for up to 4 plans. From Wave 11 forward, Respondents may report information on up to 10 plans, but we limit the RAND HRS Longitudinal File to the first four active plans as they appear in the data, to align with previous waves. SwDCBENE1, SwDCBENE2, SwDCBENE3 and SwDCBENE4 provide the information for the Respondent's spouse or partner.

If the Respondent is working for the same employer as in the previous wave and was previously included in a pension plan, then s/he is asked if the rules of the pension plan have changed. If the Respondent indicates that the rules have changed, s/he is asked the complete set of questions about newly reported pensions. Prior to Wave 7, if the rules have not changed, Respondents are not asked how much their employers contribute to the plan, and these responses are set to ".Q." Beginning in Wave 7, all Respondents are asked how much their employer contributes to each defined contribution plan.

If the Respondent is included in a pension plan through her/his current job, s/he is then asked for the type of plan. In Waves 1-8, employer contributions are calculated for Respondents who indicate a plan type of Type B only. In Waves 9-10, dollar amounts are calculated for Respondents who either a) consistently identify a defined contribution plan through the plan type (i.e., Type B or "Both Types" (Type A and Type B)) and the detailed plan name (e.g., 401K, 403b, etc.) or b) indicate a plan type of Type B or "Both Types" (Type A and Type B) and have a high level of confidence in their plan type selection. From Wave 11 forward, dollar amounts are calculated for Respondents who indicate a plan type of Type B or "Both Types" (Type A and Type B). In Waves 1-8, Respondents who indicate a plan type of "Both Types" (Type A and Type B) are not asked questions about employer contribution to the plan, and these responses are set to ".Q." In all Waves, Respondents who indicate a plan type of Type A (defined benefit), or who do not know or refuse to disclose the plan type, are set to ".B."

In all Waves, Respondents have the option to report employer contributions as a percentage of their annual wages or as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are annualized. If the Respondent reports contributions as a percentage, annual contributions are calculated by multiplying the reported percent by the Respondent's annual wages from the current, primary job. If the Respondent reports employer contributions as a fixed dollar amount per time period, annual contributions are calculated based on the hours and weeks the Respondent reports working for her/his current, primary job. Beginning in Wave 9, Respondents are also given the option to report employer contributions as a percentage match to their own contribution to the plan, and these values are calculated using RwDCCONTx.

RwDCMODE1, RwDCMODE2, RwDCMODE3, and RwDCMODE4 indicate whether employer contributions are made as a

percentage of a Respondent's pay, a fixed dollar amount per time period, or as a matched percent of the Respondent's contribution to her/his plan. SwDCMODE1, SwDCMODE2, SwDCMODE3, SwDCMODE4 provide the information for the Respondent's spouse or partner.

RwDCPCT1, RwDCPCT2, RwDCPCT3, and RwDCPCT4 indicate the percent of the Respondent's pay the employer contributes to the plan or the percent of the Respondent's contribution that the employer matches. If the employer contributes a fixed dollar amount, RwDCPCTx is set to special missing value ".A." SwDCPCT1, SwDCPCT2, SwDCPCT3, and SwDCPCT4 provide this information for the Respondent's spouse or partner.

If the amount contributed is missing, the variables are coded with special missing values which denote why the contribution is missing. When Respondents report having a defined contribution plan but the employer contribution questions are skipped over, RwDCBENEx is set to special missing value ".Q." (e.g., In Waves 2H-8, Respondents who reported "no rule changes" to their existing plans are not asked employer contribution questions.) If the questions are skipped because the Respondent does not have the pension, the variables are set to ".S" (e.g., if the Respondent has one pension, RwDCBENE2, RwDCBENE3, and from Wave 5 on, RwDCBENE4 equal ".S"). RwDCBENEx is also set to ".S" if the Respondent does not have a pension from the current job or does not provide the number of pensions s/he has in waves prior to 11. RwDCBENEx is set to ".W" if the Respondent is not working and to ".K" if any of the following are missing: wage information, the amount period, hours worked or weeks worked on primary job.

Cross Wave Differences in Original HRS Data

In Waves 1-8 employer contributions to a defined contribution plan are calculated only for Respondents who indicate a plan type equal to Type B. In Waves 9 and 10, DC plans are defined in one of two ways: a) plans that are consistently identified as DC through the plan type (i.e., Type B or "Both Types" (Type A and Type B)) and the detailed plan name (e.g., 401K, 403b, etc.) or b) plans with a type of Type B or "Both Types" (Type A and Type B) where Respondents have a high level of confidence in their plan type selection. From Wave 11 forward, employer contributions are calculated for Respondents who indicate a plan type equal to Type B or "Both Types" (Type A and Type B).

The wording of the employer contribution question varies slightly across waves. In Waves 1, 2H, 3A, 3H, and 4, all Respondents are asked one question, "How much does your (business/employer) contribute (as a percent of your pay or amount of money per month or year)?"

In Waves 5-8, the wording changes slightly, to "How much does your [business/employer] contribute, either as a percent of your pay or as an amount of money per month or year?"

Beginning in Wave 9, two separate questions are asked of the Respondent about employer contributions to each plan. The first asks, "Does your [business/employer] make any contributions toward [that plan/(plan name)]?" The second is, "How much does your [business/employer] actually contribute, as a percent of your pay, or as an amount of money per month or year?"

In Waves 2H and 3A, the questions are asked separately for those employed by a firm and those that are self-employed. The question wording is the same in both places.

In Wave 3A, Respondents who work at a firm are asked to report on employer contributions for up to three plans. The self-employed are asked to report on only one plan.

In Waves 2H, 3A, 3H, 4, 5, and 6, employer contribution questions are not asked of those who are with the same employer and who reported having a pension plan at the previous wave where the rules have not changed. The variables for these Respondents are set to ".Q."

In Waves 1-8, employer contributions questions are not asked of Respondents indicating a plan type of "Both Types" (Type A and Type B). The variables for these Respondents are set to ".Q."

The questions are not asked in Wave 2A.

For Waves 5-10, the Respondent is asked to report on up to 4 plans.

Prior to Wave 11, the Respondent was asked to list her/his pensions in order of importance. From Wave 11 forward, due to the questionnaire change, the Respondent answers questions about all her/his pensions, with no regard to importance. We report employer contributions for up to the first four active plans in the data to remain consistent with earlier waves.

HRS Variables Used

HRS 1992:

V2909	F39:P1-TYPE OF PLAN
V2934	F56:TB/P1: EMPLR CONTR
V2935	F56:TB/P1:\$ EMPLR CONTR
V2936	F56:TB/P1:FREQ EMP CNTRB
V3009	F39:P2-TYPE OF PLAN
V3034	F56:TB/P2: EMPLR CONTR
V3035	F56:TB/P2:\$ EMPLR CONTR
V3036	F56:TB/P2:FREQ EMP CNTRB
V3109	F39:P3-TYPE OF PLAN
V3134	F56:TB/P3: EMPLR CONTR
V3135	F56:TB/P3:\$ EMPLR CONTR
V3136	F56:TB/P3:FREQ EMP CNTRB

HRS 1994:

W3712	1. FA65.TYPE OF PENSION
W3724	2. FA65.TYPE OF PENSION
W3736	3. FA65.TYPE OF PENSION
W3756	1. FA73.TYPE OF PENSION
W3789	1. FA90.FORM OF EMPLOYER
W3790	1. FA90a.EMPLOYER CONTRI
W3791	1. FA90b.EMPLOYER CONTRI
W3792	1. FA90c.EMPLOYER CONTRI
W3808	2. FA73.TYPE OF PENSION
W3841	2. FA90.FORM OF EMPLOYER
W3842	2. FA90a.EMPLOYER CONTRI
W3843	2. FA90b.EMPLOYER CONTRI
W3844	2. FA90c.EMPLOYER CONTRI
W3860	3. FA73.TYPE OF PENSION
W3893	3. FA90.FORM OF EMPLOYER
W3894	3. FA90a.EMPLOYER CONTRI
W3895	3. FA90b.EMPLOYER CONTRI
W3896	3. FA90c.EMPLOYER CONTRI
W4378	1. FB29.TYPE OF RETIREME
W4390	2. FB29.TYPE OF RETIREME
W4402	3. FB29.TYPE OF RETIREME
W4415	1. FB37.TYPE OF PENSION
W4448	1. FB54.FORM OF EMPLOYER
W4449	1. FB54a.EMPLOYER CONTRI
W4450	1. FB54b.EMPLOYER CONTRI
W4451	1. FB54c.EMPLOYER CONTRI
W4467	2. FB37.TYPE OF PENSION
W4500	2. FB54.FORM OF EMPLOYER
W4501	2. FB54a.% OF PAY
W4502	2. FB54b.AMOUNT OF EMPLO
W4503	2. FB54c.AMOUNT OF EMP C
W4519	3. FB37.TYPE OF PENSION
W4552	3. FB54.FORM OF EMPLOYER
W4553	3. FB54a.EMPLOYER CONTRI
W4554	3. FB54b.EMPLOYER CONTRI
W4555	3. FB54c.EMPLOYER CONTRI

AHEAD 1995:

D2928	GA63.PENSION RULES CHANGED
D2969_1	GA73. TYPE PENSION
D2969_2	GA73. TYPE PENSION
D2969_3	GA73. TYPE PENSION
D3026_1	GA90. HOW EMPLOYER CONTRIBUTES DC
D3026_2	GA90. HOW EMPLOYER CONTRIBUTES DC
D3026_3	GA90. HOW EMPLOYER CONTRIBUTES DC
D3027_1	GA90A. EMPLOYER CONTRIB PERCENT PAY
D3027_2	GA90A. EMPLOYER CONTRIB PERCENT PAY
D3027_3	GA90A. EMPLOYER CONTRIB PERCENT PAY
D3028_1	GA90B. EMPLOYER CONTRIB AMOUNT
D3028_2	GA90B. EMPLOYER CONTRIB AMOUNT
D3028_3	GA90B. EMPLOYER CONTRIB AMOUNT
D3029_1	GA90C. EMPLOYER CONTRIB AMOUNT PER
D3029_2	GA90C. EMPLOYER CONTRIB AMOUNT PER
D3029_3	GA90C. EMPLOYER CONTRIB AMOUNT PER
D3330_1	GB37. TYPE PENSION
D3389_1	GB54. HOW EMPLOYER CONTRIBUTES DC
D3390_1	GB54A. EMPLOYER CONTRIB PERCENT PAY
D3391_1	GB54B. EMPLOYER CONTRIB AMOUNT
D3392_1	GB54C. EMPLOYER CONTRIB AMOUNT PER
HRS 1996:	
E2835	G67.PENSION RULES CHANGED
E2840_1	G69.TYPE OF PENSION
E2840_2	G69.TYPE OF PENSION
E2840_3	G69.TYPE OF PENSION
E2875_1	G77.TYPE OF PENSION
E2875_2	G77.TYPE OF PENSION
E2875_3	G77.TYPE OF PENSION
E2931_1	G94.FORM OF EMPLOYER CONTRIBUTION
E2931_2	G94.FORM OF EMPLOYER CONTRIBUTION
E2931_3	G94.FORM OF EMPLOYER CONTRIBUTION
E2932_1	G94A.EMPLOYER CONTRIBUTION-%
E2932_2	G94A.EMPLOYER CONTRIBUTION-%
E2932_3	G94A.EMPLOYER CONTRIBUTION-%
E2933_1	G94B.EMPLOYER CONTRIBUTION-AMOUNT
E2933_2	G94B.EMPLOYER CONTRIBUTION-AMOUNT
E2933_3	G94B.EMPLOYER CONTRIBUTION-AMOUNT
E2934_1	G94C.EMPLOYER CONTRIBUTION-PER
E2934_2	G94C.EMPLOYER CONTRIBUTION-PER
E2934_3	G94C.EMPLOYER CONTRIBUTION-PER
HRS 1998:	
F3359	G67.PENSION RULES CHANGED
F3364_1	G69.TYPE OF PENSION
F3364_2	G69.TYPE OF PENSION
F3364_3	G69.TYPE OF PENSION
F3403_1	G77.TYPE OF PENSION
F3403_2	G77.TYPE OF PENSION
F3403_3	G77.TYPE OF PENSION
F3459_1	G94.FORM OF EMPLOYER CONTRIBUTION
F3459_2	G94.FORM OF EMPLOYER CONTRIBUTION
F3459_3	G94.FORM OF EMPLOYER CONTRIBUTION
F3460_1	G94A.EMPLOYER CONTRIBUTION-%
F3460_2	G94A.EMPLOYER CONTRIBUTION-%
F3460_3	G94A.EMPLOYER CONTRIBUTION-%
F3461_1	G94B.EMPLOYER CONTRIBUTION-AMOUNT
F3461_2	G94B.EMPLOYER CONTRIBUTION-AMOUNT
F3461_3	G94B.EMPLOYER CONTRIBUTION-AMOUNT
F3462_1	G94C.EMPLOYER CONTRIBUTION-PER

F3462_2	G94C.EMPLOYER CONTRIBUTION-PER
F3462_3	G94C.EMPLOYER CONTRIBUTION-PER
HRS 2000:	
G3619	G67.PENSION RULES CHANGED
G3624_1	G69.TYPE OF PENSION
G3624_2	G69.TYPE OF PENSION
G3624_3	G69.TYPE OF PENSION
G3624_4	G69.TYPE OF PENSION
G3683_1	G77.TYPE OF PENSION
G3683_2	G77.TYPE OF PENSION
G3683_3	G77.TYPE OF PENSION
G3683_4	G77.TYPE OF PENSION
G3744_1	G94.FORM OF EMPLOYER CONTRIBUTION
G3744_2	G94.FORM OF EMPLOYER CONTRIBUTION
G3744_3	G94.FORM OF EMPLOYER CONTRIBUTION
G3744_4	G94.FORM OF EMPLOYER CONTRIBUTION
G3745_1	G94A.EMPLOYER CONTRIBUTION-PCT
G3745_2	G94A.EMPLOYER CONTRIBUTION-PCT
G3745_3	G94A.EMPLOYER CONTRIBUTION-PCT
G3745_4	G94A.EMPLOYER CONTRIBUTION-PCT
G3746_1	G94B.EMPLOYER CONTRIBUTION-AMOUNT
G3746_2	G94B.EMPLOYER CONTRIBUTION-AMOUNT
G3746_3	G94B.EMPLOYER CONTRIBUTION-AMOUNT
G3746_4	G94B.EMPLOYER CONTRIBUTION-AMOUNT
G3747_1	G94C.EMPLOYER CONTRIBUTION-PER
G3747_2	G94C.EMPLOYER CONTRIBUTION-PER
G3747_3	G94C.EMPLOYER CONTRIBUTION-PER
G3747_4	G94C.EMPLOYER CONTRIBUTION-PER
HRS 2002:	
HJ272_1	TYPE OF PENSION- 1
HJ272_2	TYPE OF PENSION- 2
HJ272_3	TYPE OF PENSION- 3
HJ272_4	TYPE OF PENSION- 4
HJ338_1	PENSION PLAN TYPE- 1
HJ338_2	PENSION PLAN TYPE- 2
HJ338_3	PENSION PLAN TYPE- 3
HJ338_4	PENSION PLAN TYPE- 4
HJ396_1	FORM OF EMPLOYER CONTRIBUTION-1
HJ396_2	FORM OF EMPLOYER CONTRIBUTION-2
HJ396_3	FORM OF EMPLOYER CONTRIBUTION-3
HJ396_4	FORM OF EMPLOYER CONTRIBUTION-4
HJ397_1	EMPLOYER CONTRIBUTION-PCT-1
HJ397_2	EMPLOYER CONTRIBUTION-PCT-2
HJ397_3	EMPLOYER CONTRIBUTION-PCT-3
HJ397_4	EMPLOYER CONTRIBUTION-PCT-4
HJ398_1	AMT-EMPLOYER CONTRIBUTION-1
HJ398_2	AMT-EMPLOYER CONTRIBUTION-2
HJ398_3	AMT-EMPLOYER CONTRIBUTION-3
HJ398_4	AMT-EMPLOYER CONTRIBUTION-4
HJ402_1	AMOUNT EMPLOYER CONTRIBUTION - PER-1
HJ402_2	AMOUNT EMPLOYER CONTRIBUTION - PER-2
HJ402_3	AMOUNT EMPLOYER CONTRIBUTION - PER-3
HJ402_4	AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2004:	
JJ396A	FORM OF EMPLOYER CONTRIBUTION-1
JJ396B	FORM OF EMPLOYER CONTRIBUTION-2
JJ396C	FORM OF EMPLOYER CONTRIBUTION-3
JJ396D	FORM OF EMPLOYER CONTRIBUTION-4
HRS 2006:	

KJ272A	TYPE OF PENSION- 1 -1
KJ272B	TYPE OF PENSION- 1 -2
KJ272C	TYPE OF PENSION- 1 -3
KJ272D	TYPE OF PENSION- 1 -4
KJ757A	FORM OF EMPLOYER CONTRIBUTION -1
KJ757B	FORM OF EMPLOYER CONTRIBUTION -2
KJ757C	FORM OF EMPLOYER CONTRIBUTION -3
KJ757D	FORM OF EMPLOYER CONTRIBUTION -4
KJ758A	EMPLOYER CONTRIBUTION-PCT -1
KJ758B	EMPLOYER CONTRIBUTION-PCT -2
KJ758C	EMPLOYER CONTRIBUTION-PCT -3
KJ758D	EMPLOYER CONTRIBUTION-PCT -4
KJ762A	AMT-EMPLOYER CONTRIBUTION -1
KJ762B	AMT-EMPLOYER CONTRIBUTION -2
KJ762C	AMT-EMPLOYER CONTRIBUTION -3
KJ762D	AMT-EMPLOYER CONTRIBUTION -4
KJ766A	AMOUNT EMPLOYER CONTRIBUTION - PER -1
KJ766B	AMOUNT EMPLOYER CONTRIBUTION - PER -2
KJ766C	AMOUNT EMPLOYER CONTRIBUTION - PER -3
KJ766D	AMOUNT EMPLOYER CONTRIBUTION - PER -4
HRS 2008:	
LJ338_1	PENSION PLAN TYPE- 1
LJ338_2	PENSION PLAN TYPE- 2
LJ338_3	PENSION PLAN TYPE- 3
LJ338_4	PENSION PLAN TYPE- 4
LJ396_1	FORM OF EMPLOYER CONTRIBUTION-1
LJ396_2	FORM OF EMPLOYER CONTRIBUTION-2
LJ396_3	FORM OF EMPLOYER CONTRIBUTION-3
LJ396_4	FORM OF EMPLOYER CONTRIBUTION-4
LJ397_1	EMPLOYER CONTRIBUTION-PCT-1
LJ397_2	EMPLOYER CONTRIBUTION-PCT-2
LJ397_3	EMPLOYER CONTRIBUTION-PCT-3
LJ397_4	EMPLOYER CONTRIBUTION-PCT-4
LJ398_1	AMT-EMPLOYER CONTRIBUTION-1
LJ398_2	AMT-EMPLOYER CONTRIBUTION-2
LJ398_3	AMT-EMPLOYER CONTRIBUTION-3
LJ398_4	AMT-EMPLOYER CONTRIBUTION-4
LJ402_1	AMOUNT EMPLOYER CONTRIBUTION - PER-1
LJ402_2	AMOUNT EMPLOYER CONTRIBUTION - PER-2
LJ402_3	AMOUNT EMPLOYER CONTRIBUTION - PER-3
LJ402_4	AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2010:	
MJ338_1	PENSION PLAN TYPE- 1
MJ338_2	PENSION PLAN TYPE- 2
MJ338_3	PENSION PLAN TYPE- 3
MJ338_4	PENSION PLAN TYPE- 4
MJ396_1	FORM OF EMPLOYER CONTRIBUTION-1
MJ396_2	FORM OF EMPLOYER CONTRIBUTION-2
MJ396_3	FORM OF EMPLOYER CONTRIBUTION-3
MJ396_4	FORM OF EMPLOYER CONTRIBUTION-4
MJ397_1	EMPLOYER CONTRIBUTION-PCT-1
MJ397_2	EMPLOYER CONTRIBUTION-PCT-2
MJ397_3	EMPLOYER CONTRIBUTION-PCT-3
MJ397_4	EMPLOYER CONTRIBUTION-PCT-4
MJ398_1	AMT-EMPLOYER CONTRIBUTION-1
MJ398_2	AMT-EMPLOYER CONTRIBUTION-2
MJ398_3	AMT-EMPLOYER CONTRIBUTION-3
MJ398_4	AMT-EMPLOYER CONTRIBUTION-4
MJ402_1	AMOUNT EMPLOYER CONTRIBUTION - PER-1

MJ402_2	AMOUNT EMPLOYER CONTRIBUTION - PER-2
MJ402_3	AMOUNT EMPLOYER CONTRIBUTION - PER-3
MJ402_4	AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2010:	
MJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
MZ136	PREV WAVE SELF/ELSE EMPLOYED
HRS 2012:	
NJ2886_1	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_1
NJ2886_10	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_10
NJ2886_2	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_2
NJ2886_3	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_3
NJ2886_4	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_4
NJ2886_5	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_5
NJ2886_6	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_6
NJ2886_7	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_7
NJ2886_8	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_8
NJ2886_9	PLAN KIND-401K/TYPE-DB/DC CONSISTENCY -1_9
NJ2W429_1	HOW PENSION RULES CHANGED -1_1
NJ2W429_10	HOW PENSION RULES CHANGED -1_10
NJ2W429_2	HOW PENSION RULES CHANGED -1_2
NJ2W429_3	HOW PENSION RULES CHANGED -1_3
NJ2W429_4	HOW PENSION RULES CHANGED -1_4
NJ2W429_5	HOW PENSION RULES CHANGED -1_5
NJ2W429_6	HOW PENSION RULES CHANGED -1_6
NJ2W429_7	HOW PENSION RULES CHANGED -1_7
NJ2W429_8	HOW PENSION RULES CHANGED -1_8
NJ2W429_9	HOW PENSION RULES CHANGED -1_9
HRS 2002-2006:	
xJ268	PENSION RULES CHANGED
HRS 2004-2006:	
xJ338A	PENSION PLAN TYPE- 1
xJ338B	PENSION PLAN TYPE- 2
xJ338C	PENSION PLAN TYPE- 3
xJ338D	PENSION PLAN TYPE- 4
xJ397A	EMPLOYER CONTRIBUTION-PCT-1
xJ397B	EMPLOYER CONTRIBUTION-PCT-2
xJ397C	EMPLOYER CONTRIBUTION-PCT-3
xJ397D	EMPLOYER CONTRIBUTION-PCT-4
xJ398A	AMT-EMPLOYER CONTRIBUTION-1
xJ398B	AMT-EMPLOYER CONTRIBUTION-2
xJ398C	AMT-EMPLOYER CONTRIBUTION-3
xJ398D	AMT-EMPLOYER CONTRIBUTION-4
xJ402A	AMOUNT EMPLOYER CONTRIBUTION - PER-1
xJ402B	AMOUNT EMPLOYER CONTRIBUTION - PER-2
xJ402C	AMOUNT EMPLOYER CONTRIBUTION - PER-3
xJ402D	AMOUNT EMPLOYER CONTRIBUTION - PER-4
HRS 2008-2010:	
xJ045	STILL WORKING PREV EMPLOYER
xJ248	MO-START WORK FOR CURRENT EMPLOYER
xJ249	YR-START WORK FOR CURRENT EMPLOYER
xJ256	YR BEGIN CURRENT EMPLOYMENT
xJ335	# PENSION PLANS INCLUDED
xJ336	INCLUDED ONE PLAN OR MORE
xJ393_1	CERTAINTY ABOUT THE PLAN NAME-BRIEF -1
xJ393_2	CERTAINTY ABOUT THE PLAN NAME-BRIEF -2
xJ393_3	CERTAINTY ABOUT THE PLAN NAME-BRIEF -3
xJ393_4	CERTAINTY ABOUT THE PLAN NAME-BRIEF -4
xJ856	PARTICIPATING IN NEW PLAN
xJ863_1	CERTAINTY ABOUT TYPE OF PLAN -1

xJ863_2	CERTAINTY ABOUT TYPE OF PLAN -2
xJ863_3	CERTAINTY ABOUT TYPE OF PLAN -3
xJ863_4	CERTAINTY ABOUT TYPE OF PLAN -4
xJ894_1	EMPLOYER CONTRIBUTION-PCT -1
xJ894_2	EMPLOYER CONTRIBUTION-PCT -2
xJ894_3	EMPLOYER CONTRIBUTION-PCT -3
xJ894_4	EMPLOYER CONTRIBUTION-PCT -4
xZ092	PREV WAVE IW MONTH
xZ093	PREV WAVE IW YEAR
xZ133	PREV WAVE R HAD PENSION ON JOB
HRS 2012-2016:	
xJ2338_1	PENSION PLAN TYPE-DB OR DC -1_1
xJ2338_10	PENSION PLAN TYPE-DB OR DC -1_10
xJ2338_2	PENSION PLAN TYPE-DB OR DC -1_2
xJ2338_3	PENSION PLAN TYPE-DB OR DC -1_3
xJ2338_4	PENSION PLAN TYPE-DB OR DC -1_4
xJ2338_5	PENSION PLAN TYPE-DB OR DC -1_5
xJ2338_6	PENSION PLAN TYPE-DB OR DC -1_6
xJ2338_7	PENSION PLAN TYPE-DB OR DC -1_7
xJ2338_8	PENSION PLAN TYPE-DB OR DC -1_8
xJ2338_9	PENSION PLAN TYPE-DB OR DC -1_9
xJ2396_1	FORM OF EMPLOYER CONTRIBUTION -1_1
xJ2396_10	FORM OF EMPLOYER CONTRIBUTION -1_10
xJ2396_2	FORM OF EMPLOYER CONTRIBUTION -1_2
xJ2396_3	FORM OF EMPLOYER CONTRIBUTION -1_3
xJ2396_4	FORM OF EMPLOYER CONTRIBUTION -1_4
xJ2396_5	FORM OF EMPLOYER CONTRIBUTION -1_5
xJ2396_6	FORM OF EMPLOYER CONTRIBUTION -1_6
xJ2396_7	FORM OF EMPLOYER CONTRIBUTION -1_7
xJ2396_8	FORM OF EMPLOYER CONTRIBUTION -1_8
xJ2396_9	FORM OF EMPLOYER CONTRIBUTION -1_9
xJ2397_1	PCT-EMPLOYER CONTRIBUTION -1_1
xJ2397_10	PCT-EMPLOYER CONTRIBUTION -1_10
xJ2397_2	PCT-EMPLOYER CONTRIBUTION -1_2
xJ2397_3	PCT-EMPLOYER CONTRIBUTION -1_3
xJ2397_4	PCT-EMPLOYER CONTRIBUTION -1_4
xJ2397_5	PCT-EMPLOYER CONTRIBUTION -1_5
xJ2397_6	PCT-EMPLOYER CONTRIBUTION -1_6
xJ2397_7	PCT-EMPLOYER CONTRIBUTION -1_7
xJ2397_8	PCT-EMPLOYER CONTRIBUTION -1_8
xJ2397_9	PCT-EMPLOYER CONTRIBUTION -1_9
xJ2398_1	AMT-EMPLOYER CONTRIBUTION -1_1
xJ2398_10	AMT-EMPLOYER CONTRIBUTION -1_10
xJ2398_2	AMT-EMPLOYER CONTRIBUTION -1_2
xJ2398_3	AMT-EMPLOYER CONTRIBUTION -1_3
xJ2398_4	AMT-EMPLOYER CONTRIBUTION -1_4
xJ2398_5	AMT-EMPLOYER CONTRIBUTION -1_5
xJ2398_6	AMT-EMPLOYER CONTRIBUTION -1_6
xJ2398_7	AMT-EMPLOYER CONTRIBUTION -1_7
xJ2398_8	AMT-EMPLOYER CONTRIBUTION -1_8
xJ2398_9	AMT-EMPLOYER CONTRIBUTION -1_9
xJ2402_1	AMT EMPLOYER CONTRIBUTION - PER -1_1
xJ2402_10	AMT EMPLOYER CONTRIBUTION - PER -1_10
xJ2402_2	AMT EMPLOYER CONTRIBUTION - PER -1_2
xJ2402_3	AMT EMPLOYER CONTRIBUTION - PER -1_3
xJ2402_4	AMT EMPLOYER CONTRIBUTION - PER -1_4
xJ2402_5	AMT EMPLOYER CONTRIBUTION - PER -1_5
xJ2402_6	AMT EMPLOYER CONTRIBUTION - PER -1_6
xJ2402_7	AMT EMPLOYER CONTRIBUTION - PER -1_7

xJ2402_8	AMT EMPLOYER CONTRIBUTION - PER -1_8
xJ2402_9	AMT EMPLOYER CONTRIBUTION - PER -1_9
xJ2878_1	FORM OF EMPLOYER CONTRIBUTION -1_1
xJ2878_10	FORM OF EMPLOYER CONTRIBUTION -1_10
xJ2878_2	FORM OF EMPLOYER CONTRIBUTION -1_2
xJ2878_3	FORM OF EMPLOYER CONTRIBUTION -1_3
xJ2878_4	FORM OF EMPLOYER CONTRIBUTION -1_4
xJ2878_5	FORM OF EMPLOYER CONTRIBUTION -1_5
xJ2878_6	FORM OF EMPLOYER CONTRIBUTION -1_6
xJ2878_7	FORM OF EMPLOYER CONTRIBUTION -1_7
xJ2878_8	FORM OF EMPLOYER CONTRIBUTION -1_8
xJ2878_9	FORM OF EMPLOYER CONTRIBUTION -1_9
xJ2945_1	PENSION RULES CHANGED -1_1
xJ2945_10	PENSION RULES CHANGED -1_10
xJ2945_2	PENSION RULES CHANGED -1_2
xJ2945_3	PENSION RULES CHANGED -1_3
xJ2945_4	PENSION RULES CHANGED -1_4
xJ2945_5	PENSION RULES CHANGED -1_5
xJ2945_6	PENSION RULES CHANGED -1_6
xJ2945_7	PENSION RULES CHANGED -1_7
xJ2945_8	PENSION RULES CHANGED -1_8
xJ2945_9	PENSION RULES CHANGED -1_9
xJ2W401_1	ANY OTHER PENSIONS_1
xJ2W401_10	ANY OTHER PENSIONS_10
xJ2W401_2	ANY OTHER PENSIONS_2
xJ2W401_3	ANY OTHER PENSIONS_3
xJ2W401_4	ANY OTHER PENSIONS_4
xJ2W401_5	ANY OTHER PENSIONS_5
xJ2W401_6	ANY OTHER PENSIONS_6
xJ2W401_7	ANY OTHER PENSIONS_7
xJ2W401_8	ANY OTHER PENSIONS_8
xJ2W401_9	ANY OTHER PENSIONS_9
xJ2W403_1	STILL HAVE PLAN NOW_1
xJ2W403_10	STILL HAVE PLAN NOW_10
xJ2W403_2	STILL HAVE PLAN NOW_2
xJ2W403_3	STILL HAVE PLAN NOW_3
xJ2W403_4	STILL HAVE PLAN NOW_4
xJ2W403_5	STILL HAVE PLAN NOW_5
xJ2W403_6	STILL HAVE PLAN NOW_6
xJ2W403_7	STILL HAVE PLAN NOW_7
xJ2W403_8	STILL HAVE PLAN NOW_8
xJ2W403_9	STILL HAVE PLAN NOW_9
xJ2W407_1	TYPE -1_1
xJ2W407_10	TYPE -1_10
xJ2W407_2	TYPE -1_2
xJ2W407_3	TYPE -1_3
xJ2W407_4	TYPE -1_4
xJ2W407_5	TYPE -1_5
xJ2W407_6	TYPE -1_6
xJ2W407_7	TYPE -1_7
xJ2W407_8	TYPE -1_8
xJ2W407_9	TYPE -1_9
xJ2W451_1	PLAN ACTIVE OR DEAD -1_1
xJ2W451_10	PLAN ACTIVE OR DEAD -1_10
xJ2W451_2	PLAN ACTIVE OR DEAD -1_2
xJ2W451_3	PLAN ACTIVE OR DEAD -1_3
xJ2W451_4	PLAN ACTIVE OR DEAD -1_4
xJ2W451_5	PLAN ACTIVE OR DEAD -1_5
xJ2W451_6	PLAN ACTIVE OR DEAD -1_6

xJ2W451_7	PLAN ACTIVE OR DEAD -1_7
xJ2W451_8	PLAN ACTIVE OR DEAD -1_8
xJ2W451_9	PLAN ACTIVE OR DEAD -1_9
xJ2W452_1	WHETHER PLAN FROM NEW OR SAME JOB -1_1
xJ2W452_10	WHETHER PLAN FROM NEW OR SAME JOB -1_10
xJ2W452_2	WHETHER PLAN FROM NEW OR SAME JOB -1_2
xJ2W452_3	WHETHER PLAN FROM NEW OR SAME JOB -1_3
xJ2W452_4	WHETHER PLAN FROM NEW OR SAME JOB -1_4
xJ2W452_5	WHETHER PLAN FROM NEW OR SAME JOB -1_5
xJ2W452_6	WHETHER PLAN FROM NEW OR SAME JOB -1_6
xJ2W452_7	WHETHER PLAN FROM NEW OR SAME JOB -1_7
xJ2W452_8	WHETHER PLAN FROM NEW OR SAME JOB -1_8
xJ2W452_9	WHETHER PLAN FROM NEW OR SAME JOB -1_9
HRS 2014-2016:	
xJ2Z140_1	PREV WAVE OLD PENSION TYPE_1
xJ2Z140_10	PREV WAVE OLD PENSION TYPE_10
xJ2Z140_2	PREV WAVE OLD PENSION TYPE_2
xJ2Z140_3	PREV WAVE OLD PENSION TYPE_3
xJ2Z140_4	PREV WAVE OLD PENSION TYPE_4
xJ2Z140_5	PREV WAVE OLD PENSION TYPE_5
xJ2Z140_6	PREV WAVE OLD PENSION TYPE_6
xJ2Z140_7	PREV WAVE OLD PENSION TYPE_7
xJ2Z140_8	PREV WAVE OLD PENSION TYPE_8
xJ2Z140_9	PREV WAVE OLD PENSION TYPE_9

Section G: Health Insurance

Covered by federal government health insurance program

Wave	Variable	Label	Type
1	R1HIGOV	R1HIGOV:W1 R is covered by Gov plan	Categ
2	R2HIGOV	R2HIGOV:W2 R is covered by Gov plan	Categ
3	R3HIGOV	R3HIGOV:W3 R is covered by Gov plan	Categ
4	R4HIGOV	R4HIGOV:W4 R is covered by Gov plan	Categ
5	R5HIGOV	R5HIGOV:W5 R is covered by Gov plan	Categ
6	R6HIGOV	R6HIGOV:W6 R is covered by Gov plan	Categ
7	R7HIGOV	R7HIGOV:W7 R is covered by Gov plan	Categ
8	R8HIGOV	R8HIGOV:W8 R is covered by Gov plan	Categ
9	R9HIGOV	R9HIGOV:W9 R is covered by Gov plan	Categ
10	R10HIGOV	R10HIGOV:W10 R is covered by Gov plan	Categ
11	R11HIGOV	R11HIGOV:W11 R is covered by Gov plan	Categ
12	R12HIGOV	R12HIGOV:W12 R is covered by Gov plan	Categ
13	R13HIGOV	R13HIGOV:W13 R is covered by Gov plan	Categ
1	S1HIGOV	S1HIGOV:W1 S is covered by Gov plan	Categ
2	S2HIGOV	S2HIGOV:W2 S is covered by Gov plan	Categ
3	S3HIGOV	S3HIGOV:W3 S is covered by Gov plan	Categ
4	S4HIGOV	S4HIGOV:W4 S is covered by Gov plan	Categ
5	S5HIGOV	S5HIGOV:W5 S is covered by Gov plan	Categ
6	S6HIGOV	S6HIGOV:W6 S is covered by Gov plan	Categ
7	S7HIGOV	S7HIGOV:W7 S is covered by Gov plan	Categ
8	S8HIGOV	S8HIGOV:W8 S is covered by Gov plan	Categ
9	S9HIGOV	S9HIGOV:W9 S is covered by Gov plan	Categ
10	S10HIGOV	S10HIGOV:W10 S is covered by Gov plan	Categ
11	S11HIGOV	S11HIGOV:W11 S is covered by Gov plan	Categ
12	S12HIGOV	S12HIGOV:W12 S is covered by Gov plan	Categ
13	S13HIGOV	S13HIGOV:W13 S is covered by Gov plan	Categ
1	R1GOVMR	R1GOVMR:W1 R has Gov plan-Medicare	Categ
2	R2GOVMR	R2GOVMR:W2 R has Gov plan-Medicare	Categ
3	R3GOVMR	R3GOVMR:W3 R has Gov plan-Medicare	Categ
4	R4GOVMR	R4GOVMR:W4 R has Gov plan-Medicare	Categ
5	R5GOVMR	R5GOVMR:W5 R has Gov plan-Medicare	Categ
6	R6GOVMR	R6GOVMR:W6 R has Gov plan-Medicare	Categ
7	R7GOVMR	R7GOVMR:W7 R has Gov plan-Medicare	Categ
8	R8GOVMR	R8GOVMR:W8 R has Gov plan-Medicare	Categ
9	R9GOVMR	R9GOVMR:W9 R has Gov plan-Medicare	Categ
10	R10GOVMR	R10GOVMR:W10 R has Gov plan-Medicare	Categ
11	R11GOVMR	R11GOVMR:W11 R has Gov plan-Medicare	Categ
12	R12GOVMR	R12GOVMR:W12 R has Gov plan-Medicare	Categ
13	R13GOVMR	R13GOVMR:W13 R has Gov plan-Medicare	Categ
1	S1GOVMR	S1GOVMR:W1 S has Gov plan-Medicare	Categ
2	S2GOVMR	S2GOVMR:W2 S has Gov plan-Medicare	Categ
3	S3GOVMR	S3GOVMR:W3 S has Gov plan-Medicare	Categ
4	S4GOVMR	S4GOVMR:W4 S has Gov plan-Medicare	Categ
5	S5GOVMR	S5GOVMR:W5 S has Gov plan-Medicare	Categ
6	S6GOVMR	S6GOVMR:W6 S has Gov plan-Medicare	Categ
7	S7GOVMR	S7GOVMR:W7 S has Gov plan-Medicare	Categ
8	S8GOVMR	S8GOVMR:W8 S has Gov plan-Medicare	Categ
9	S9GOVMR	S9GOVMR:W9 S has Gov plan-Medicare	Categ
10	S10GOVMR	S10GOVMR:W10 S has Gov plan-Medicare	Categ
11	S11GOVMR	S11GOVMR:W11 S has Gov plan-Medicare	Categ
12	S12GOVMR	S12GOVMR:W12 S has Gov plan-Medicare	Categ
13	S13GOVMR	S13GOVMR:W13 S has Gov plan-Medicare	Categ
1	R1GOVMD	R1GOVMD:W1 R has Gov plan-Medicaid	Categ
2	R2GOVMD	R2GOVMD:W2 R has Gov plan-Medicaid	Categ
3	R3GOVMD	R3GOVMD:W3 R has Gov plan-Medicaid	Categ
4	R4GOVMD	R4GOVMD:W4 R has Gov plan-Medicaid	Categ
5	R5GOVMD	R5GOVMD:W5 R has Gov plan-Medicaid	Categ
6	R6GOVMD	R6GOVMD:W6 R has Gov plan-Medicaid	Categ
7	R7GOVMD	R7GOVMD:W7 R has Gov plan-Medicaid	Categ
8	R8GOVMD	R8GOVMD:W8 R has Gov plan-Medicaid	Categ
9	R9GOVMD	R9GOVMD:W9 R has Gov plan-Medicaid	Categ
10	R10GOVMD	R10GOVMD:W10 R has Gov plan-Medicaid	Categ

11	R11GOVMD	R11GOVMD:W11 R has Gov plan-Medicaid	Categ
12	R12GOVMD	R12GOVMD:W12 R has Gov plan-Medicaid	Categ
13	R13GOVMD	R13GOVMD:W13 R has Gov plan-Medicaid	Categ
1	S1GOVMD	S1GOVMD:W1 S has Gov plan-Medicaid	Categ
2	S2GOVMD	S2GOVMD:W2 S has Gov plan-Medicaid	Categ
3	S3GOVMD	S3GOVMD:W3 S has Gov plan-Medicaid	Categ
4	S4GOVMD	S4GOVMD:W4 S has Gov plan-Medicaid	Categ
5	S5GOVMD	S5GOVMD:W5 S has Gov plan-Medicaid	Categ
6	S6GOVMD	S6GOVMD:W6 S has Gov plan-Medicaid	Categ
7	S7GOVMD	S7GOVMD:W7 S has Gov plan-Medicaid	Categ
8	S8GOVMD	S8GOVMD:W8 S has Gov plan-Medicaid	Categ
9	S9GOVMD	S9GOVMD:W9 S has Gov plan-Medicaid	Categ
10	S10GOVMD	S10GOVMD:W10 S has Gov plan-Medicaid	Categ
11	S11GOVMD	S11GOVMD:W11 S has Gov plan-Medicaid	Categ
12	S12GOVMD	S12GOVMD:W12 S has Gov plan-Medicaid	Categ
13	S13GOVMD	S13GOVMD:W13 S has Gov plan-Medicaid	Categ
1	R1GOVVA	R1GOVVA:W1 R has Gov plan-Champus/VA	Categ
2	R2GOVVA	R2GOVVA:W2 R has Gov plan-Champus/VA	Categ
3	R3GOVVA	R3GOVVA:W3 R has Gov plan-Champus/VA	Categ
4	R4GOVVA	R4GOVVA:W4 R has Gov plan-Champus/VA	Categ
5	R5GOVVA	R5GOVVA:W5 R has Gov plan-Champus/VA	Categ
6	R6GOVVA	R6GOVVA:W6 R has Gov plan-Champus/VA	Categ
7	R7GOVVA	R7GOVVA:W7 R has Gov plan-Champus/VA	Categ
8	R8GOVVA	R8GOVVA:W8 R has Gov plan-Champus/VA	Categ
9	R9GOVVA	R9GOVVA:W9 R has Gov plan-Champus/VA	Categ
10	R10GOVVA	R10GOVVA:W10 R has Gov plan-Champus/VA	Categ
11	R11GOVVA	R11GOVVA:W11 R has Gov plan-Champus/VA	Categ
12	R12GOVVA	R12GOVVA:W12 R has Gov plan-Champus/VA	Categ
13	R13GOVVA	R13GOVVA:W13 R has Gov plan-Champus/VA	Categ
1	S1GOVVA	S1GOVVA:W1 S has Gov plan-Champus/VA	Categ
2	S2GOVVA	S2GOVVA:W2 S has Gov plan-Champus/VA	Categ
3	S3GOVVA	S3GOVVA:W3 S has Gov plan-Champus/VA	Categ
4	S4GOVVA	S4GOVVA:W4 S has Gov plan-Champus/VA	Categ
5	S5GOVVA	S5GOVVA:W5 S has Gov plan-Champus/VA	Categ
6	S6GOVVA	S6GOVVA:W6 S has Gov plan-Champus/VA	Categ
7	S7GOVVA	S7GOVVA:W7 S has Gov plan-Champus/VA	Categ
8	S8GOVVA	S8GOVVA:W8 S has Gov plan-Champus/VA	Categ
9	S9GOVVA	S9GOVVA:W9 S has Gov plan-Champus/VA	Categ
10	S10GOVVA	S10GOVVA:W10 S has Gov plan-Champus/VA	Categ
11	S11GOVVA	S11GOVVA:W11 S has Gov plan-Champus/VA	Categ
12	S12GOVVA	S12GOVVA:W12 S has Gov plan-Champus/VA	Categ
13	S13GOVVA	S13GOVVA:W13 S has Gov plan-Champus/VA	Categ
1	R1GOVOT	R1GOVOT:W1 R has Gov plan-Other	Categ
2	R2GOVOT	R2GOVOT:W2 R has Gov plan-Other	Categ
3	R3GOVOT	R3GOVOT:W3 R has Gov plan-Other	Categ
1	S1GOVOT	S1GOVOT:W1 S has Gov plan-Other	Categ
2	S2GOVOT	S2GOVOT:W2 S has Gov plan-Other	Categ
3	S3GOVOT	S3GOVOT:W3 S has Gov plan-Other	Categ
E	REHIGOV	REHIGOV:EXIT R was covered by Gov plan	Categ
E	REGOVMR	REGOVMR:EXIT R had Gov plan-Medicare	Categ
E	REGOVVA	REGOVVA:EXIT R had Gov plan-CHAMPUS/CHAMPVA	Categ
E	REGOVMS	REGOVMS:EXIT R had Medicaid in last 2 yrs or since PrvIvw	Categ
E	REGOVMD	REGOVMD:EXIT R had Medicaid at death	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIGOV	12445	0.16	0.37	0.0	1.0
R2HIGOV	19587	0.52	0.50	0.0	1.0
R3HIGOV	17912	0.54	0.50	0.0	1.0
R4HIGOV	21274	0.56	0.50	0.0	1.0

R5HIGOV	19491	0.60	0.49	0.0	1.0
R6HIGOV	18118	0.66	0.47	0.0	1.0
R7HIGOV	20052	0.61	0.49	0.0	1.0
R8HIGOV	18417	0.66	0.47	0.0	1.0
R9HIGOV	17154	0.70	0.46	0.0	1.0
R10HIGOV	21679	0.58	0.49	0.0	1.0
R11HIGOV	20415	0.60	0.49	0.0	1.0
R12HIGOV	18597	0.65	0.48	0.0	1.0
R13HIGOV	20659	0.60	0.49	0.0	1.0
S1HIGOV	10132	0.15	0.35	0.0	1.0
S2HIGOV	13071	0.44	0.50	0.0	1.0
S3HIGOV	11888	0.47	0.50	0.0	1.0
S4HIGOV	13947	0.49	0.50	0.0	1.0
S5HIGOV	12703	0.53	0.50	0.0	1.0
S6HIGOV	11615	0.59	0.49	0.0	1.0
S7HIGOV	12939	0.54	0.50	0.0	1.0
S8HIGOV	11717	0.59	0.49	0.0	1.0
S9HIGOV	10618	0.63	0.48	0.0	1.0
S10HIGOV	13322	0.52	0.50	0.0	1.0
S11HIGOV	12429	0.54	0.50	0.0	1.0
S12HIGOV	10950	0.58	0.49	0.0	1.0
S13HIGOV	11694	0.54	0.50	0.0	1.0
R1GOVMR	12441	0.08	0.27	0.0	1.0
R2GOVMR	19583	0.46	0.50	0.0	1.0
R3GOVMR	17919	0.49	0.50	0.0	1.0
R4GOVMR	21277	0.52	0.50	0.0	1.0
R5GOVMR	19485	0.57	0.50	0.0	1.0
R6GOVMR	18115	0.62	0.48	0.0	1.0
R7GOVMR	20061	0.57	0.49	0.0	1.0
R8GOVMR	18420	0.63	0.48	0.0	1.0
R9GOVMR	17156	0.67	0.47	0.0	1.0
R10GOVMR	21681	0.53	0.50	0.0	1.0
R11GOVMR	20421	0.56	0.50	0.0	1.0
R12GOVMR	18605	0.59	0.49	0.0	1.0
R13GOVMR	20668	0.52	0.50	0.0	1.0
S1GOVMR	10130	0.08	0.27	0.0	1.0
S2GOVMR	13072	0.38	0.49	0.0	1.0
S3GOVMR	11893	0.42	0.49	0.0	1.0
S4GOVMR	13949	0.46	0.50	0.0	1.0
S5GOVMR	12703	0.50	0.50	0.0	1.0
S6GOVMR	11615	0.55	0.50	0.0	1.0
S7GOVMR	12947	0.51	0.50	0.0	1.0
S8GOVMR	11719	0.56	0.50	0.0	1.0
S9GOVMR	10620	0.61	0.49	0.0	1.0
S10GOVMR	13328	0.48	0.50	0.0	1.0
S11GOVMR	12431	0.50	0.50	0.0	1.0
S12GOVMR	10954	0.53	0.50	0.0	1.0
S13GOVMR	11701	0.47	0.50	0.0	1.0
R1GOVMD	12441	0.04	0.20	0.0	1.0
R2GOVMD	19548	0.07	0.26	0.0	1.0
R3GOVMD	17850	0.08	0.27	0.0	1.0
R4GOVMD	21238	0.08	0.27	0.0	1.0
R5GOVMD	19472	0.08	0.27	0.0	1.0
R6GOVMD	18065	0.08	0.28	0.0	1.0
R7GOVMD	20006	0.09	0.28	0.0	1.0

R8GOVMD	18340	0.08	0.27	0.0	1.0
R9GOVMD	17061	0.09	0.29	0.0	1.0
R10GOVMD	21559	0.10	0.30	0.0	1.0
R11GOVMD	20327	0.10	0.30	0.0	1.0
R12GOVMD	18501	0.12	0.32	0.0	1.0
R13GOVMD	20562	0.14	0.34	0.0	1.0
S1GOVMD	10130	0.02	0.14	0.0	1.0
S2GOVMD	13058	0.04	0.19	0.0	1.0
S3GOVMD	11873	0.04	0.19	0.0	1.0
S4GOVMD	13933	0.04	0.19	0.0	1.0
S5GOVMD	12700	0.04	0.20	0.0	1.0
S6GOVMD	11599	0.04	0.20	0.0	1.0
S7GOVMD	12931	0.04	0.20	0.0	1.0
S8GOVMD	11690	0.04	0.20	0.0	1.0
S9GOVMD	10604	0.05	0.21	0.0	1.0
S10GOVMD	13284	0.06	0.23	0.0	1.0
S11GOVMD	12410	0.06	0.24	0.0	1.0
S12GOVMD	10930	0.08	0.26	0.0	1.0
S13GOVMD	11657	0.09	0.29	0.0	1.0
R1GOVVA	12442	0.05	0.22	0.0	1.0
R2GOVVA	19482	0.04	0.19	0.0	1.0
R3GOVVA	17888	0.03	0.18	0.0	1.0
R4GOVVA	21294	0.03	0.17	0.0	1.0
R5GOVVA	19506	0.03	0.16	0.0	1.0
R6GOVVA	18118	0.05	0.22	0.0	1.0
R7GOVVA	20071	0.05	0.22	0.0	1.0
R8GOVVA	18410	0.05	0.23	0.0	1.0
R9GOVVA	17164	0.05	0.23	0.0	1.0
R10GOVVA	21723	0.06	0.23	0.0	1.0
R11GOVVA	20447	0.05	0.23	0.0	1.0
R12GOVVA	18637	0.06	0.23	0.0	1.0
R13GOVVA	20725	0.06	0.23	0.0	1.0
S1GOVVA	10130	0.05	0.22	0.0	1.0
S2GOVVA	13016	0.05	0.21	0.0	1.0
S3GOVVA	11886	0.04	0.20	0.0	1.0
S4GOVVA	13953	0.03	0.18	0.0	1.0
S5GOVVA	12707	0.03	0.18	0.0	1.0
S6GOVVA	11613	0.06	0.24	0.0	1.0
S7GOVVA	12952	0.06	0.23	0.0	1.0
S8GOVVA	11718	0.06	0.24	0.0	1.0
S9GOVVA	10628	0.06	0.24	0.0	1.0
S10GOVVA	13347	0.06	0.24	0.0	1.0
S11GOVVA	12451	0.06	0.23	0.0	1.0
S12GOVVA	10968	0.06	0.24	0.0	1.0
S13GOVVA	11714	0.06	0.24	0.0	1.0
R1GOVOT	12428	0.00	0.06	0.0	1.0
R2GOVOT	19482	0.01	0.10	0.0	1.0
R3GOVOT	6986	0.02	0.16	0.0	1.0
S1GOVOT	10127	0.00	0.06	0.0	1.0
S2GOVOT	13016	0.01	0.10	0.0	1.0
S3GOVOT	3597	0.03	0.16	0.0	1.0
REHIGOV	14003	0.93	0.25	0.0	1.0
REGOVMR	13965	0.89	0.31	0.0	1.0

REGOVVA	13992	0.05	0.22	0.0	1.0
REGOVMD5	13546	0.27	0.44	0.0	1.0
REGOVMD0	13514	0.25	0.43	0.0	1.0

Categorical Variable Codes

RwHIGOV: R is covered by Gov plan

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	112	18	12	29	28	24	48	33	40	78
.M=Oth missing	|	95	29	58	69	49	13	17	14	16	248
.R=RF	|		8	9	12	10	10	12	5	7	29
0.No	|	10452	9423	8228	9277	7716	6200	7836	6237	5188	9039
1.Yes	|	1993	10164	9684	11997	11775	11918	12216	12180	11966	12640

Value		w11	w12	w13
.D=DK/NA	|	74	85	102
.M=Oth missing	|	48	47	118
.R=RF	|	17	18	33
0.No	|	8112	6580	8204
1.Yes	|	12303	12017	12455

SwHIGOV: S is covered by Gov plan

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	52	6	10	11	11	10	21	13	20	35
.M=Oth missing	|	95	8	17	16	10	5	2	3	4	141
.R=RF	|		5	2	6	6	9	10	2	4	15
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|	8651	7321	6357	7096	5975	4796	5925	4763	3886	6337
1.Yes	|	1481	5750	5531	6851	6728	6819	7014	6954	6732	6985

Value		w11	w12	w13
.D=DK/NA	|	42	41	42
.M=Oth missing	|	11	15	34
.R=RF	|	6	6	9
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	5708	4582	5392
1.Yes	|	6721	6368	6302

RwGOVMR: R has Gov plan-Medicare

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	116	21	11	27	34	27	41	32	38	79
.M=Oth missing	|	95	29	52	69	49	13	17	13	16	248
.R=RF	|		9	9	11	10	10	10	4	7	26
0.No	|	11489	10572	9088	10161	8401	6816	8584	6845	5686	10141
1.Yes	|	952	9011	8831	11116	11084	11299	11477	11575	11470	11540

Value		w11	w12	w13
.D=DK/NA	|	67	80	90
.M=Oth missing	|	48	47	118
.R=RF	|	18	15	36
0.No	|	9070	7637	9862
1.Yes	|	11351	10968	10806

SwGOVMR: S has Gov plan-Medicare

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	54	5	8	9	11	11	15	12	18	30
.M=Oth missing	|	95	8	14	16	10	5	2	3	4	141
.R=RF	|		5	2	6	6	8	8	1	4	14
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|	9339	8062	6889	7602	6377	5169	6342	5112	4154	6906
1.Yes	|	791	5010	5004	6347	6326	6446	6605	6607	6466	6422

Value		w11	w12	w13
.D=DK/NA	|	39	38	35
.M=Oth missing	|	11	15	34
.R=RF	|	7	5	9
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	6199	5143	6198
1.Yes	|	6232	5811	5503

RwGOVMD: R has Gov plan-Medicaid

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	116	8	51	64	48	69	97	109	134	198
.M=Oth missing	|	95	78	79	69	49	14	17	15	16	248
.R=RF	|		8	11	13	9	17	9	5	6	29
0.No	|	11947	18156	16458	19581	17897	16548	18267	16833	15538	19411
1.Yes	|	494	1392	1392	1657	1575	1517	1739	1507	1523	2148

Value		w11	w12	w13
.D=DK/NA	|	156	182	202
.M=Oth missing	|	48	47	118
.R=RF	|	23	17	30
0.No	|	18237	16314	17747
1.Yes	|	2090	2187	2815

SwGOVMD: S has Gov plan-Medicaid

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	54	4	17	24	14	23	31	40	34	74
.M=Oth missing	|	95	23	24	16	10	5	2	3	4	141
.R=RF	|		5	3	7	6	12	8	2	4	14
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|	9926	12588	11414	13394	12182	11091	12367	11187	10126	12538
1.Yes	|	204	470	459	539	518	508	564	503	478	746

Value		w11	w12	w13
.D=DK/NA	|	59	63	76
.M=Oth missing	|	11	15	34
.R=RF	|	8	4	12
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11658	10100	10593
1.Yes	|	752	830	1064

RwGOVVA: R has Gov plan-Champus/VA

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	115	60	15	9	17	17	34	40	32	43
.M=Oth missing	|	95	78	77	69	49	14	17	15	16	248
.R=RF	|		22	11	12	6	16	7	4	5	20
0.No	|	11800	18733	17266	20679	18975	17171	19035	17406	16220	20502
1.Yes	|	642	749	622	615	531	947	1036	1004	944	1221

Value		w11	w12	w13
.D=DK/NA	|	47	52	52
.M=Oth missing	|	48	48	118
.R=RF	|	12	10	17
0.No	|	19331	17549	19569
1.Yes	|	1116	1088	1156

SwGOVVA: S has Gov plan-Champus/VA

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	54	37	7	5	8	8	12	11	11	14
.M=Oth missing	|	95	23	22	16	10	5	2	3	4	141
.R=RF	|		14	2	6	5	13	6	3	3	11
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|	9591	12414	11397	13484	12304	10928	12222	11017	9969	12544
1.Yes	|	539	602	489	469	403	685	730	701	659	803

Value		w11	w12	w13
.D=DK/NA	|	22	25	24
.M=Oth missing	|	11	15	34
.R=RF	|	4	4	7
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	11737	10271	11012
1.Yes	|	714	697	702

RwGOVOT: R has Gov plan-Other

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	115	60	12							
.M=Oth missing	109	78	25							
.Q=Not asked this wv			10964							
.R=RF		22	4							
0.No	12382	19281	6813							
1.Yes	46	201	173							

Value	w11	w12	w13
.D=DK/NA			
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			
0.No			
1.Yes			

SwGOVOT: S has Gov plan-Other

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	54	37	4							
.M=Oth missing	98	23	8							
.Q=Not asked this wv			8630							
.R=RF		14								
.U=Unmarried	2373	5968	5657							
.V=Spouse NR		584	95							
0.No	10088	12887	3507							
1.Yes	39	129	90							

Value	w11	w12	w13
.D=DK/NA			
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			
.U=Unmarried			
.V=Spouse NR			
0.No			
1.Yes			

 REHIGOV: EXIT R was covered by Gov plan

Value		
.D=DK	|	245
.M=Oth missing	|	15
.R=RF	|	2
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	913
1.Yes	|	13090

 REGOVMR: EXIT R had Gov plan-Medicare

Value		
.D=DK	|	283
.M=Oth missing	|	14
.R=RF	|	3
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	1531
1.Yes	|	12434

 REGOVVA: EXIT R had Gov plan-CHAMPUS/CHAMPVA

Value		
.D=DK	|	251
.M=Oth missing	|	18
.R=RF	|	4
.Y=No Exit Interview, No De	|	26813
.Z=No Exit Interview, Death	|	974
0.No	|	13246
1.Yes	|	746

REGOVMD5: EXIT R had Medicaid in last 2 yrs or since PrvIvw

Value	
.D=DK	697
.M=Oth missing	18
.R=RF	4
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	9940
1.Yes	3606

REGOVMD6: EXIT R had Medicaid at death

Value	
.D=DK	727
.M=Oth missing	19
.R=RF	5
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	10104
1.Yes	3410

How Constructed

Core Interview Variables

RwHIGOV indicates whether the Respondent is currently covered by any government health insurance program. RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT indicate whether the Respondent is currently covered by Medicare, Medicaid, VA/CHAMPUS and other government health insurance, respectively. SwHIGOV, SwGOVMR, SwGOVMD, SwGOVVA, SwGOVOT provide the information for the Respondent's spouse or partner.

In Waves 1 and 2H, the question asks if the Respondent (and in Wave 1, the Respondent's spouse) is covered by any government health insurance. RwHIGOV is simply recoded to 0/1 for No/Yes and for missing values from this question. No checks are done on the types of government insurance the Respondent subsequently reports. Please note that some Respondents do not list Medicare, Medicaid, or VA/CHAMPUS as any of the types of government insurance that covers them in these waves. The RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT are derived from the follow-up questions where the Respondent reports all types of government health insurance programs under which s/he is covered.

In Wave 2A and from Wave 3 forward, separate questions ask about particular kinds of government health insurance. In all these waves, Medicare and Medicaid are asked about separately. In Waves 2A and 3A, another question asks about other government insurance, including CHAMPUS and CHAMP-VA. In Wave 3H and from Wave 4 forward, only CHAMPUS / CHAMP-VA, and, in 2002, TRI-CARE, are mentioned. The RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT are derived from these questions. In Wave 3H, R3GOVOT is set to .Q since the information is not obtained, and from Wave 4 forward, RwGOVOT is not available. If the Respondent indicates that s/he is currently covered by any of these types of insurance, then RwHIGOV is set to yes (=1). If the Respondent responds no to current coverage by all of these types of insurance, then RwHIGOV is set to no (=0). Otherwise, RwHIGOV is set to a missing value based on missing values in the HRS variables. Note that coverage by R6GOVVA increases more than expected for a consistently coded measure. This may be because a) TRI-CARE was not included in the question wording prior to 2002; and b) retired military 65 and over and covered by Medicare were not eligible for TRI-CARE prior to 2001.

S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT for Wave 1 are taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and

S1GOVOT are the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HIGOV, S1GOVMR, S1GOVMD, S1GOVVA and S1GOVOT are the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHIGOV, RwGOVMR, RwGOVMD, RwGOVVA and RwGOVOT variable, if available. If the Respondent is not married, SwHIGOV, SwGOVMR, SwGOVMD, SwGOVVA and SwGOVOT are set to .U=unmarried. If the Respondent's spouse did not respond then these are set to .V=Spouse is non-response.

Exit Interview Variables

REHIGOV indicates whether the Respondent was covered by any government health insurance program before death. REGOVMR, REGOVMDD, REGOVMDS, REGOVVA indicate whether the Respondent is covered by Medicare, Medicaid (at death or since previous interview), VA or CHAMPUS.

From Wave 3 on, the Medicaid question is asked in two parts. The first question is whether the Respondent was covered by Medicaid at any time since the previous interview. REGOVMDS is coded to 0/1 for No/Yes. The proxy is then asked if the Respondent was covered by Medicaid at the time of death. REGOVMDD is coded to 0/1 for No/Yes as well. If REGOVMDS is missing, don't know or refused, then REGOVMDD is assigned the same.

From Wave 4 forward, separate questions are asked about the various types of government health insurance. In Waves 2H and 3, a question was asked about other government insurance, including CHAMPUS and CHAMP-VA, or other military programs. From Wave 4 forward, only CHAMPUS / CHAMP-VA, and, in 2002, TRI-CARE, are mentioned. REGOVMR, REGOVMDD, REGOVMDS, and REGOVVA are derived from these questions.

In Wave 2H, the interviewer asks if the Respondent was covered by any government health insurance. REHIGOV is simply recoded to 0/1 for No/Yes and for missing values from this question.

A separate response for "Other government insurance" is used in Wave 3 to construct REHIGOV. If the Respondent indicates that s/he was covered by any of these types of insurance, then REHIGOV is set to yes (=1). If the proxy indicates the Respondent had no government insurance coverage, then REHIGOV is set to no (=0). Otherwise, REHIGOV is set to a missing value based on missing values in the raw data.

Core and Exit Differences

There are two variables for Medicaid coverage constructed from the Exit raw data. REGOVMDD, Respondent had Medicaid at time of death and REGOVMDS, Respondent had Medicaid any time since previous interview. The set of variables for Medicaid coverage constructed from the Core Interview measures, RwGOVMD, refers to the Respondent having Medicaid at the time of interview.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Waves 1 and 2H, the government insurance questions begin by asking: "Are you currently covered by any federal government health insurance programs, such as Medicare, Medicaid, or CHAMPUS, VA, or other military programs?" A subsequent question asks: "Which program is that?" and multiple answers are allowed. Separate variables code responses of Medicare, Medicaid, VA/Champus, and Other (including Bureau of Indian Affairs). In Wave 2H responses also include mail handlers insurance, federal employees health insurance, Blue Cross/Blue Shield, local or state government health plan, and HMO. Up to four responses are reported.

In Wave 2A and from Wave 3 forward, questions are asked separately about Medicare, Medicaid, and CHAMPUS/CHAMP-VA

or other government health insurance coverage, with a few variations. In all of these waves the Medicare question is: "Are you currently covered by Medicare health insurance?"

In Wave 2A the Medicaid question is: "Is your health care currently covered by Medicaid?" From Wave 3 forward, the Medicaid questions are: 1) "Have you been covered by Medicaid health insurance at any time (since previous wave interview/in last 2 years)?" and if yes, 2) "Are you currently covered by Medicaid?"

In Waves 2A and 3A, the CHAMPUS and other government health insurance questions are: 1) "Are you currently covered by any other government health insurance programs, such as Railroad Retirement, CHAMPUS, CHAMP-VA, or any other military health programs?" and if yes, 2) "Which program is that?"

In Waves 3H, 4 and 5, the question is: "Are you currently covered by CHAMPUS, CHAMP-VA, or any other military health care plan?" In Wave 6, a new name called TRI_CARE is added that includes what used to be known as CHAMPUS and CHAMP-VA. The question is: "Are you currently covered by TRI_CARE, CHAMPUS, CHAMP-VA or any other military health care plan?" Prior to Wave 6, TRICARE, which replaces CHAMPUS for active and retired military, and is separate from CHAMP-VA, was not included in the question wording. There were also restrictions on coverage by TRICARE when over 65 and covered by Medicare until 2001.

Exit Interview Variables

In Wave 2H, the question asks if the Respondent is covered by any government health insurance. REHIGOV is simply recoded to 0/1 for No/Yes and for missing values from this question. Wave 3 forward constructs the REHIGOV from the separate government insurance questions.

In Wave 4 forward separate questions are asked about the various types of government health insurance. In Waves 2H and 3, a question was asked about other government insurance, including CHAMPUS and CHAMP-VA, or other military programs. From Wave 4 forward, only CHAMPUS / CHAMP-VA, and, in 2002, TRI-CARE, are mentioned. REGOVMR, REGOVMD, REGOVVA are derived from these questions.

From Wave 3 on, REGOVMDS is constructed from the Medicaid question at any time since last interview; REGOVMD is constructed from the question about Medicaid at time of death. In Wave 2H, there is only one question asked, therefore REGOVMDS and REGOVMD are both assigned the same code.

HRS Variables Used

Core Interview Variables

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HRS 1992:
V6602      R2:R:FEDRL HLTH INS PRGM
V6603      R2aA:R:GOVT:MEDICARE
V6604      R2aB:R:GOVT:MEDICAID
V6605      R2aC:R:GOVT:VA/CHAMPUS
V6606      R2aD:R:GOVT:OTHER
AHEAD 1993:
B1838      R2. R MEDICAID: COVERED
B1848      R4. R OTHER GOVT INSURANCE: ANY
B1849      R5. R OTHER GOVT INSURANCE: TYPE
B754       E31a. R COVERED BY MEDICARE
HRS 1994:
W6700      R1.COVERED FED GOVT HEAL
W6701      R1a.WHICH PROGRAM
W6702      R1a.WHICH PROGRAM
W6703      R1a.WHICH PROGRAM
W6704      R1a.WHICH PROGRAM
AHEAD 1995:

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D126	W1 MEDICARE COVER
D5144	R1. MEDICARE COVER
D5155	R2.MEDICAID
D5158	R4. CURRENTLY ON MEDICAID
D5175	R5.OTHER GOVT INS
D5176	R5A. TYPE OTH GVT INS
HRS 1996:	
E5133	R1.MEDICARE COVERAGE
E5135	R4.MEDICAID SINCE PREV WAVE?
E5136	R5.CURRENTLY COVERED BY MEDICAID
E5145	R9.CHAMPUS/CHAMPVA COVERAGE
HRS 1998:	
F5866	R1.MEDICARE COVERAGE
F5868	R4.MEDICAID SINCE PREV WAVE?
F5869	R5.CURRENTLY COVERED BY MEDICAID
F5878	R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2000:	
G6238	R1.MEDICARE COVERAGE
G6241	R4.MEDICAID SINCE PREV WAVE?
G6242	R5.CURRENTLY COVERED BY MEDICAID
G6251	R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2002-2016:	
xN001	MEDICARE COVERAGE
xN005	MEDICAID COVERAGE SINCE PREV WAVE
xN006	CURRENTLY COVERED BY MEDICAID
xN007	CHAMPUS/CHAMPVA COVERAGE

Exit Interview Variables

AHEAD 1995:	
N126	W1 MEDICARE COVER
N5275	R1.MEDICARE COVER
N5286	R2.MEDICAID
N5289	R4.CURRENTLY ON MEDICAID
N5306	R5.OTHER GOVT INS
N5307	R5a.TYPE OTH GVT INS
HRS 1996:	
P126	PREV WAVE MEDICARE COVER
P2166	R1. MEDICARE COVER
P2177	R2.MEDICAID
P2180	R4. CURRENTLY ON MEDICAID
P2198	R5.OTHER GOVT INS
P2199	R5a.TYPE OTH GVT INS
HRS 1998:	
Q2560	R1.MEDICARE COVERAGE
Q2562	R4.MEDICAID SINCE PREV WAVE?
Q2563	R5.CURRENTLY COVERED BY MEDICAID
Q2572	R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2000:	
R2585	R1.MEDICARE COVERAGE
R2588	R4.MEDICAID SINCE PREV WAVE?
R2589	R5.CURRENTLY COVERED BY MEDICAID
R2598	R9.CHAMPUS/CHAMPVA COVERAGE
HRS 2002-2016:	
xN001	MEDICARE COVERAGE
xN005	MEDICAID COVERAGE SINCE PREV WAVE
xN006	CURRENTLY COVERED BY MEDICAID
xN007	CHAMPUS/CHAMPVA COVERAGE

Tracker Variables

Tracker:
AFINR WHETHER FINANCIAL RESPONDENT

Medicare/Medicaid HMO monthly premium
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Wave	Variable	Label	Type
3	R3MRPREM	R3MRPREM:W3 Medicare/Medicaid HMO Monthly Premium	Cont
4	R4MRPREM	R4MRPREM:W4 Medicare/Medicaid HMO Monthly Premium	Cont
5	R5MRPREM	R5MRPREM:W5 Medicare/Medicaid HMO Monthly Premium	Cont
6	R6MRPREM	R6MRPREM:W6 Medicare/Medicaid HMO Monthly Premium	Cont
7	R7MRPREM	R7MRPREM:W7 Medicare/Medicaid HMO Monthly Premium	Cont
8	R8MRPREM	R8MRPREM:W8 Medicare/Medicaid HMO Monthly Premium	Cont
9	R9MRPREM	R9MRPREM:W9 Medicare/Medicaid HMO Monthly Premium	Cont
10	R10MRPREM	R10MRPREM:W10 Medicare/Medicaid HMO Monthly Premium	Cont
11	R11MRPREM	R11MRPREM:W11 Medicare/Medicaid HMO Monthly Premium	Cont
12	R12MRPREM	R12MRPREM:W12 Medicare/Medicaid HMO Monthly Premium	Cont
13	R13MRPREM	R13MRPREM:W13 Medicare/Medicaid HMO Monthly Premium	Cont
3	S3MRPREM	S3MRPREM:W3 Medicare/Medicaid HMO Monthly Premium	Cont
4	S4MRPREM	S4MRPREM:W4 Medicare/Medicaid HMO Monthly Premium	Cont
5	S5MRPREM	S5MRPREM:W5 Medicare/Medicaid HMO Monthly Premium	Cont
6	S6MRPREM	S6MRPREM:W6 Medicare/Medicaid HMO Monthly Premium	Cont
7	S7MRPREM	S7MRPREM:W7 Medicare/Medicaid HMO Monthly Premium	Cont
8	S8MRPREM	S8MRPREM:W8 Medicare/Medicaid HMO Monthly Premium	Cont
9	S9MRPREM	S9MRPREM:W9 Medicare/Medicaid HMO Monthly Premium	Cont
10	S10MRPREM	S10MRPREM:W10 Medicare/Medicaid HMO Monthly Premium	Cont
11	S11MRPREM	S11MRPREM:W11 Medicare/Medicaid HMO Monthly Premium	Cont
12	S12MRPREM	S12MRPREM:W12 Medicare/Medicaid HMO Monthly Premium	Cont
13	S13MRPREM	S13MRPREM:W13 Medicare/Medicaid HMO Monthly Premium	Cont
E	REMRPREM	REMRPREM:EXIT Medicare/Medicaid HMO Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3MRPREM	1149	35.74	53.30	0.0	483.0
R4MRPREM	2232	20.61	103.04	0.0	4444.0
R5MRPREM	2311	26.79	49.42	0.0	949.0
R6MRPREM	6041	26.33	64.21	0.0	988.0
R7MRPREM	1961	45.73	70.59	0.0	600.0
R8MRPREM	2011	51.33	85.16	0.0	802.0
R9MRPREM	2330	52.20	93.65	0.0	1800.0
R10MRPREM	3092	26.11	64.66	0.0	861.0
R11MRPREM	213	6.54	32.09	0.0	231.0
R12MRPREM	3201	57.96	87.99	0.0	1500.0
R13MRPREM	3399	66.14	97.95	0.0	2500.0
S3MRPREM	731	39.56	59.34	0.0	483.0
S4MRPREM	1380	23.39	126.76	0.0	4444.0
S5MRPREM	1387	28.95	51.48	0.0	949.0
S6MRPREM	3533	29.08	70.82	0.0	988.0
S7MRPREM	1179	49.78	75.29	0.0	600.0
S8MRPREM	1222	58.15	93.27	0.0	802.0
S9MRPREM	1349	59.72	107.44	0.0	1800.0
S10MRPREM	1702	30.57	72.41	0.0	861.0
S11MRPREM	94	2.91	24.19	0.0	231.0
S12MRPREM	1698	66.16	93.60	0.0	1500.0
S13MRPREM	1759	76.84	94.50	0.0	700.0
REMRPREM	1348	53.87	93.22	0.0	886.0

How Constructed

Core Interview Variables

RwMRPREM indicates the amount in nominal dollars that the Respondent pays monthly for a Medicare/Medicaid HMO insurance plan. SwMRPREM provides the information for the Respondent's spouse or partner.

The Respondent is asked, "Are you currently covered by Medicare health insurance?" and is later asked, "Are you currently covered by (Medicaid/State name for Medicaid)?" If a Respondent indicates having coverage provided through either Medicare or Medicaid, a follow-up question asks if her/his Medicare/Medicaid is provided through an HMO: "Do you receive your [Medicare/Medicaid/State name for MEDICAID] benefits through [an HMO/a Medicare Advantage Plan, sometimes called a Medicare HMO], that is a Health Maintenance Organization?"

If the Respondent says that her/his Medicare/Medicaid coverage is provided through an HMO, s/he is asked, "How much do you, yourself, pay in premiums for this plan?"

The Respondent reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts.

If the Respondent does not report having Medicare/Medicaid through an HMO, then RwMRPREM is set to .N to indicate no HMO Medicare/Medicaid health insurance plan.

In Wave 11, due to a survey instrument glitch, only individuals covered by Medicaid and not Medicare were asked the premium questions. This results in a large number of .M=missing values for Wave 11.

Exit Interview Variables

REMRPREM indicates the amount in nominal dollars that the Respondent paid monthly for a Medicare/Medicaid HMO insurance plan prior to death.

If the proxy says the Respondent's Medicare/Medicaid coverage is provided through an HMO, s/he is asked, "Not including co-pays or deductions from Social Security, how much did they pay in premiums for this plan?"

The amount paid is reported as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts. If the Respondent does not have Medicare/Medicaid through an HMO, then REMRPREM is set to .N to indicate no HMO Medicare/Medicaid health insurance plan.

Core and Exit Differences

In the Exit Interview, the questions on premium amounts are not asked in Waves 2H and 3A. In the Core Interview, the questions are not asked in Waves 1 and 2.

Cross Wave Differences in Original HRS Data

Core Interview Variables

The questions on premium amounts are not asked in Waves 1 and 2.

The wording in the question asking for premium amounts varies by wave. In Wave 3A the question asks, "About how much are your premiums for this plan?"

In Wave 3H the premium amount question is worded as, "Not including deductions from your Social Security, how much do you pay for this plan?" In Waves 4 to 9, the premium amount question asks, "Not including co-pays or deductions from your Social

Security, how much do you, yourself, pay for this plan?"

In Wave 10, Respondents are first asked the method used to pay their premiums. The question asks, "Some people who have Medicare Advantage pay for their coverage with a deduction from their Social Security checks. Some pay directly to the insurance company. How do you pay for yours?" If the Respondent indicates that payment is paid directly, s/he is asked the general premium amount questions (see below). If the Respondent indicates that payment deducted from Social Security or that s/he pays nothing, R10MRPREM is set to 0. Note that there is a follow up question asking amount deducted from Social Security if the Respondent indicates payment through deductions. However, to keep the variable consistent with other waves, this value is not included in R10MRPREM.

Beginning in Wave 10, the premium amount question varies depending on if the individual is covered by Medicare or Medicaid. If the Respondent is covered by a Medicare HMO/Medicare Advantage, the wording is, "How much do you, yourself, pay in premiums for this plan?" If the Respondent is not covered by Medicare, the question asks, "Not including co-pays or deductions from your Social Security, how much do you, yourself, pay for this plan?"

In Wave 11, due to a survey instrument glitch, only individuals covered by Medicaid and not Medicare were asked the premium questions. This results in a large number of .M=missing values for Wave 11.

Exit Interview Variables

The wording in the question asking for premium amounts varies by wave. In Wave 3H the question asks, "About how much are your premiums for this plan?"

From Wave 4 forward, the premium amount question is worded as, "Not including deductions from your Social Security, how much do you pay for this plan?" In Waves 4 to 9, the premium amount question asks, "Not including co-pays or deductions from your Social Security, much did [he/she], [himself/herself], pay in premiums for this plan?"

HRS Variables Used

Core Interview Variables

AHEAD 1995:

D5144	R1. MEDICARE COVER
D5183	R7. MEDICARE/RR HMO
D5193	R7E. HOW MUCH R PAY MEDICARE HMO
D5194	R7F. PER R7E.

HRS 1996:

E5133	R1.MEDICARE COVERAGE
E5148	R11.MEDICARE/MEDICAID THROUGH HMO
E5152	R11B.AMOUNT PAY FOR PLAN
E5153	R11B.AMOUNT PAY FOR PLAN PER

HRS 1998:

F5866	R1.MEDICARE COVERAGE
F5881	R11.MEDICARE/MEDICAID THROUGH HMO
F5885	R11B.AMOUNT PAY FOR PLAN
F5886	R11B.AMOUNT PAY FOR PLAN-PER

HRS 2000:

G6238	R1.MEDICARE COVERAGE
G6254	R11.MEDICARE/MEDICAID THROUGH HMO
G6258	R11B.AMOUNT PAY FOR PLAN
G6259	R11Y1B.PER

HRS 2010:

MN265	MA - SS DEDUCTION
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HRS 2002-2016:

xN001	MEDICARE COVERAGE
xN006	CURRENTLY COVERED BY MEDICAID

xN009	MEDICARE/MEDICAID HMO
xN014	MEDICARE/MEDICAID HMO-AMT PAY
xN018	MEDICARE/MEDICAID HMO-AMT PAY - PER

Exit Interview Variables

HRS 1996:	
P2166	R1. MEDICARE COVER
P2206	R7. MEDICARE/RR HMO
P2216	R7e. HOW MUCH R PAY MEDICARE HMO
P2217	R7f. PER R7e.
HRS 1998:	
Q2560	R1.MEDICARE COVERAGE
Q2575	R11.MEDICARE/MEDICAID THROUGH HMO
Q2579	R11b.AMOUNT PAY FOR PLAN
Q2580	R11b.AMT PAY FOR PLAN - PER
HRS 2000:	
R2585	R1.MEDICARE COVERAGE
R2601	R11Y.MEDICARE/MEDICAID THROUGH HMO
R2605	R11b.AMOUNT PAY FOR PLAN
R2606	R11Y1b.PER
HRS 2002-2016:	
xN001	MEDICARE COVERAGE
xN009	MEDICARE/MEDICAID HMO
xN014	MEDICARE/MEDICAID HMO-AMT PAY
xN018	MEDICARE/MEDICAID HMO-AMT PAY - PER

Medicare Part D prescription drug insurance monthly premium
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Wave	Variable	Label	Type
8	R8RXPREM	R8RXPREM:W8 Prescription Drug Insurance Monthly Premium	Cont
9	R9RXPREM	R9RXPREM:W9 Prescription Drug Insurance Monthly Premium	Cont
10	R10RXPREM	R10RXPREM:W10 Prescription Drug Insurance Monthly Premium	Cont
11	R11RXPREM	R11RXPREM:W11 Prescription Drug Insurance Monthly Premium	Cont
12	R12RXPREM	R12RXPREM:W12 Prescription Drug Insurance Monthly Premium	Cont
13	R13RXPREM	R13RXPREM:W13 Prescription Drug Insurance Monthly Premium	Cont
8	S8RXPREM	S8RXPREM:W8 Prescription Drug Insurance Monthly Premium	Cont
9	S9RXPREM	S9RXPREM:W9 Prescription Drug Insurance Monthly Premium	Cont
10	S10RXPREM	S10RXPREM:W10 Prescription Drug Insurance Monthly Premium	Cont
11	S11RXPREM	S11RXPREM:W11 Prescription Drug Insurance Monthly Premium	Cont
12	S12RXPREM	S12RXPREM:W12 Prescription Drug Insurance Monthly Premium	Cont
13	S13RXPREM	S13RXPREM:W13 Prescription Drug Insurance Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R8RXPREM	3874	48.17	219.32	0.0	7020.0
R9RXPREM	2078	101.42	465.18	0.0	9650.0
R10RXPREM	2146	111.60	446.17	0.0	9650.0
R11RXPREM	2745	63.90	141.50	0.0	3939.0
R12RXPREM	2720	72.20	229.25	0.0	7000.0
R13RXPREM	2638	80.29	320.86	0.0	8220.0
S8RXPREM	2113	52.06	184.20	0.0	3870.0
S9RXPREM	1211	110.02	505.78	0.0	9650.0
S10RXPREM	1218	109.81	421.87	0.0	7180.0
S11RXPREM	1446	72.52	172.24	0.0	3939.0
S12RXPREM	1390	80.14	215.81	0.0	6000.0
S13RXPREM	1303	94.17	370.11	0.0	8220.0

How Constructed

RwRXPREM indicates the amount in nominal dollars that the Respondent pays monthly for a Medicare prescription drug plan. SwRXPREM provides the information for the Respondent's spouse or partner. The question is first asked in Wave 8, shortly after Medicare Part D was established in 2006.

If a Respondent indicates that s/he has Medicare coverage, s/he is first asked to establish whether Medicare coverage is provided through Original Medicare or a Medicare HMO (also referred to as Medicare Part C or Medicare Advantage). If a Respondent indicates that s/he is not covered by a Medicare HMO plan that includes prescription drug coverage, s/he is asked if s/he has registered for Medicare Part D, which covers prescription drugs. If the Respondent indicates participating in a Part D plan, s/he is asked, "How much do you, yourself, pay per month in premiums for this plan?" This amount is coded in RwRXPREM.

If the Respondent indicates that the prescription drug insurance premium is covered through a Medicare HMO or a private plan, RwRXPREM is set to .C. If the Respondent does not have prescription drug coverage through Medicare, RwRXPREM is set to .N.

Cross Wave Differences in Original HRS Data

The questions about prescription drug coverage premiums are not asked in Waves 1-7.

The questions about prescription drug coverage premiums are first asked in Wave 8, shortly after Medicare Part D was established in 2006. The wording of the question asking Respondents if they have registered for Part D is different in Wave 8. The Respondent is asked, "Beginning in 2006, Part D of Medicare provides coverage for prescription drugs. Did you sign up to receive Medicare prescription drug coverage in 2006?"

Beginning in Wave 9, the question is worded, "Part D of Medicare provides coverage for prescription drugs, usually through a private insurance provider. Are you enrolled in Medicare Part D, also known as the Medicare Prescription Drug Plan?"

In Waves 9 and 10, before establishing premium amounts, Respondents are first asked the method used to pay their premiums. The question asks: "Many Medicare beneficiaries pay the premium for their Medicare drug coverage through their Social Security checks. Some pay directly to the provider. How do you pay for yours?" If the Respondent's premium is deducted from Social Security, a follow-up question asks: "How much is your Social Security deduction per month for your Part D plan?" Otherwise, Respondents are asked the standard premium question, "How much do you, yourself, pay per month in premiums for this plan?"

From Wave 11 forward, Respondents are no longer asked about the method used to pay their premiums. They are simply asked how much they pay in premiums.

HRS Variables Used

HRS 2006-2010:

xN356M1	REASON NOT SIGN UP - 1
xN356M2	REASON NOT SIGN UP - 2
xN356M3	REASON NOT SIGN UP - 3

HRS 2006-2016:

xN351	HMO PAY FOR REGULAR RX DRUGS
xN352	SIGNED UP MEDICARE RX COVERAGE
xN404	AMOUNT PAY FOR MONTHLY PREMIUMS

HRS 2008-2010:

xN423	HOW PAY MEDICARE PREMIUMS
xN424	SS DEDUCTION MONTHLY PREMIUMS

HRS 2008-2016:

xN417	PRESCRIPTION DRUG COVERAGE
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Number of private health insurance plans

Wave	Variable	Label	Type
1	R1PRPCNT	R1PRPCNT:W1 Number of Private Insurance Plans	Cont
2	R2PRPCNT	R2PRPCNT:W2 Number of Private Insurance Plans	Cont
3	R3PRPCNT	R3PRPCNT:W3 Number of Private Insurance Plans	Cont
4	R4PRPCNT	R4PRPCNT:W4 Number of Private Insurance Plans	Cont
5	R5PRPCNT	R5PRPCNT:W5 Number of Private Insurance Plans	Cont
6	R6PRPCNT	R6PRPCNT:W6 Number of Private Insurance Plans	Cont
7	R7PRPCNT	R7PRPCNT:W7 Number of Private Insurance Plans	Cont
8	R8PRPCNT	R8PRPCNT:W8 Number of Private Insurance Plans	Cont
9	R9PRPCNT	R9PRPCNT:W9 Number of Private Insurance Plans	Cont
10	R10PRPCNT	R10PRPCNT:W10 Number of Private Insurance Plans	Cont
11	R11PRPCNT	R11PRPCNT:W11 Number of Private Insurance Plans	Cont
12	R12PRPCNT	R12PRPCNT:W12 Number of Private Insurance Plans	Cont
13	R13PRPCNT	R13PRPCNT:W13 Number of Private Insurance Plans	Cont
1	S1PRPCNT	S1PRPCNT:W1 Number of Private Insurance Plans	Cont
2	S2PRPCNT	S2PRPCNT:W2 Number of Private Insurance Plans	Cont
3	S3PRPCNT	S3PRPCNT:W3 Number of Private Insurance Plans	Cont
4	S4PRPCNT	S4PRPCNT:W4 Number of Private Insurance Plans	Cont
5	S5PRPCNT	S5PRPCNT:W5 Number of Private Insurance Plans	Cont
6	S6PRPCNT	S6PRPCNT:W6 Number of Private Insurance Plans	Cont
7	S7PRPCNT	S7PRPCNT:W7 Number of Private Insurance Plans	Cont
8	S8PRPCNT	S8PRPCNT:W8 Number of Private Insurance Plans	Cont
9	S9PRPCNT	S9PRPCNT:W9 Number of Private Insurance Plans	Cont
10	S10PRPCNT	S10PRPCNT:W10 Number of Private Insurance Plans	Cont
11	S11PRPCNT	S11PRPCNT:W11 Number of Private Insurance Plans	Cont
12	S12PRPCNT	S12PRPCNT:W12 Number of Private Insurance Plans	Cont
13	S13PRPCNT	S13PRPCNT:W13 Number of Private Insurance Plans	Cont
E	REPRPCNT	REPRPCNT:EXIT Number of Private Insurance Plans	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PRPCNT	12557	0.91	0.64	0.0	5.0
R2PRPCNT	19522	0.87	0.59	0.0	6.0
R3PRPCNT	17841	0.79	0.57	0.0	6.0
R4PRPCNT	21270	0.76	0.57	0.0	6.0
R5PRPCNT	19479	0.76	0.59	0.0	7.0
R6PRPCNT	18042	0.74	0.56	0.0	11.0
R7PRPCNT	20018	0.73	0.62	0.0	23.0
R8PRPCNT	18373	0.67	0.57	0.0	12.0
R9PRPCNT	17099	0.62	0.61	0.0	13.0
R10PRPCNT	21599	0.61	0.60	0.0	12.0
R11PRPCNT	20339	0.57	0.59	0.0	11.0
R12PRPCNT	18512	0.57	0.65	0.0	21.0
R13PRPCNT	20592	0.56	0.61	0.0	11.0
S1PRPCNT	10184	0.95	0.62	0.0	4.0
S2PRPCNT	13049	0.93	0.55	0.0	5.0
S3PRPCNT	11861	0.85	0.55	0.0	6.0
S4PRPCNT	13944	0.84	0.56	0.0	6.0
S5PRPCNT	12689	0.85	0.58	0.0	5.0
S6PRPCNT	11583	0.81	0.54	0.0	5.0
S7PRPCNT	12929	0.80	0.60	0.0	23.0
S8PRPCNT	11693	0.74	0.56	0.0	12.0
S9PRPCNT	10595	0.70	0.61	0.0	13.0
S10PRPCNT	13301	0.67	0.59	0.0	12.0

S11PRPCNT	12402	0.63	0.59	0.0	11.0
S12PRPCNT	10904	0.64	0.65	0.0	21.0
S13PRPCNT	11651	0.62	0.61	0.0	11.0
REPRPCNT	13649	0.53	0.59	0.0	23.0

General Comments

Private health insurance plans encompass all plans purchased on the private market, including coverage purchased through an employer, the individual insurance marketplaces, a union, or a trade association. Previous versions of the RAND HRS Longitudinal File have included variables that describe private plans solely provided by current or former employers, and these variables are still provided for continuity purposes. RwPRPCNT is similar, but not identical, to RWHENUM. For Waves 1-5, RWHENUM is a count of employer-provided health insurance plans only, whereas RwPRPCNT is a count of all private health insurance plans, except long-term care insurance. From Wave 6 forward, RwPRPCNT and RWHENUM are the same, and both are a count of all private health insurance plans, except long-term care insurance. Please see the Number of employer-provided/private health insurance plans section for a full description of RWHENUM.

How Constructed

Core Interview Variables

RwPRPCNT is a count of the number of private health insurance plans the Respondent reports. SwPRPCNT provides the information for the Respondent's spouse or partner. This count does not include long-term care insurance.

In Waves 1 to 5, RwPRPCNT is the sum of the answers to questions which ask about different types of private insurance plans (self-employed, employer-provided, supplemental, and those purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

Beginning in Wave 6, the number of private health insurance plans is asked in one question and RwPRPCNT is simply the number of plans reported by the Respondent.

SwPRPCNT for Wave 1 is taken from the Financial Respondent's information as appropriate. That is, if the Respondent is the Financial Respondent, then S1PRPCNT contains the Financial Respondent's spouse's information. If the Respondent is the spouse of the Financial Respondent, then S1PRPCNT contains the Financial Respondent's information.

From Wave 2 forward, SwPRPCNT is populated using the spouse's self-reported value for RwPRPCNT, where available. If the Respondent is not married, SwPRPCNT is set to .U=unmarried. If the Respondent's spouse did not respond, then SwPRPCNT is set to .V=Spouse is non-response.

Exit Interview Variables

REPRPCNT is a count of the number of private health insurance plans the Respondent had at time of death. This count does not include long-term care insurance.

In Waves 2H to 5, REPRPCNT is the sum of the answers to questions which ask about different types of private insurance plans (self-employed, employer-provided, supplemental, and those purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

Beginning in Wave 6, the number of private health insurance plans is asked in one question and REPRPCNT is simply the number of plans reported by the proxy.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 forward, health insurance questions are asked of individual Respondents about their own coverage only.

In Waves 1 to 5, RwPRPCNT is the sum of the answers to questions which individually ask about the different types of private insurance plans (self-employed, employer-provided, supplemental, and those purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

In Wave 1, if a Financial Respondent indicates that s/he or her/his spouse have employer-provided insurance, s/he is asked how many plans s/he or her/his spouse have.

The Respondent is then asked if s/he or her/his spouse have any other type of private health insurance and to list the types s/he has. The number of plans added from this question is based on the number of types of coverage listed, not including government-sourced plans or long-term care insurance. If a Respondent indicates that s/he has other insurance but does not list a type, this is counted as one private plan.

In Wave 2A, the Respondent is asked about all private plans in one question, "How many different policies do you have (in addition to Medicare)?" In a separate question, Respondents are asked "What kind of coverage do you have?" Since this list includes long-term care insurance, if a Respondent only lists long-term care insurance as the type of coverage s/he has, then the count is adjusted to "0". Otherwise, the count is the number of policies they list in the private plan question.

In Wave 2H, the Respondent is asked separately about employer-provided insurance, supplemental insurance, and insurance purchased directly from an insurance company or group.

For employer-provided insurance, if the Respondent previously reported having employer-provided health insurance in Wave 1, then a question asks if s/he is still covered by the same plan. If the response is yes, this is counted as one private plan. If the Respondent does not confirm having the same health insurance as in Wave 1, a separate question asks how many employer-provided plans s/he has.

The Respondent is then asked if s/he purchases any coverage directly from an insurance company or organization. If the Respondent says yes, this is counted as one private plan.

Then the Respondent is asked about supplemental insurance. If the Respondent indicates having supplemental insurance, s/he is asked what type of supplemental coverage s/he has. The number of plans added from this question is based on the number of types of supplemental coverage they list, not including government-sourced plans or long-term care insurance. If a Respondent indicates having supplemental insurance but does not list a type, this is counted as one private plan.

In Wave 3A, the Respondent is asked, not including long-term care insurance, Medicare/Medicaid, or government health insurance, "How many other health plans do you currently have?"

In Waves 3H, 4, and 5, the Respondent is asked separately about self-employed insurance, employer-provided insurance, supplemental insurance, and insurance purchased directly from an insurance company or group. In Wave 3H, self-employed individuals are simply asked the employer-provided insurance question.

In Waves 4 and 5, if the Respondent is self-employed, s/he is asked, "You mentioned earlier that you were self-employed. Do you have health insurance through that business that pays hospital bills?" If the Respondent says yes, this is counted as one private plan.

In Wave 3H, all are asked about employer-provided insurance. In Waves 4 and 5, if a Respondent is not self-employed or does not have insurance through her/his own business, then s/he is asked, "(Not including Medicare/(Medicaid/STATE NAME FOR MEDICAID) /CHAMPUS/CHAMP-VA) are you covered by any employer-provided health insurance, through either (a/your or your spouse's/your or your partner's) current or past employer?" and if the Respondent says yes, s/he is asked, "How many different

employer-provided health insurance plans are you covered by?"

If a Respondent is covered by Medicare or Medicaid, s/he is asked if s/he has a supplemental plan: "Not counting long-term care insurance or Medicare or any other insurance we've discussed, do you have any additional insurance that pays any part of hospital or doctor bills? Sometimes this is called a Medigap or Medicare Supplement policy." If the Respondent says yes, this is counted as one private plan.

If a Respondent is not covered by Medicare, s/he is asked about insurance purchased directly from an insurance company or group: "Not counting long-term care policies or the health insurance you already told me about, do you have any other health insurance coverage that you purchased directly from an insurance company or through a membership organization?" If the Respondent says yes, this is counted as one private plan.

Beginning in Wave 6, the number of private insurance plans a Respondent has is asked in one question. The question is prefaced with the following: "Now, we'd like to ask about all the other types of health insurance plans you might have, such as insurance through an employer or a business, coverage for retirees, or health insurance you buy for yourself, including any (Medigap or) other supplemental coverage." The Respondent is then asked, "Do NOT include long-term care insurance. [Other than your Medicare HMO you've just told me about/anything you have just told me about,] how many other such plans do you have?"

Exit Interview Variables

In Waves 2H to 5, REPRCNT is the sum of the answers to questions which individually ask about the different types of private insurance plans (self-employed, employer-provided, supplemental, and those purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

In Wave 2H, the proxy is asked separately about the Respondent's employer-provided insurance, supplemental insurance, and insurance purchased directly from an insurance company or group.

For employer-provided insurance, if the Respondent previously reported having employer-provided health insurance in Wave 1, then a question asks if s/he was still covered by the same plan. If the response is yes, this is counted as one private plan. If the proxy does not confirm having the same health insurance as in Wave 1, a separate question asks how many employer-provided plans the Respondent had.

The proxy is then asked if the Respondent purchased any coverage directly from an insurance company or organization. If the Respondent did, this is counted as one private plan.

HRS Variables Used

Core Interview Variables

HRS 1992:

VP6614	R3:EMPLR HLTH INS PLAN/ Sp-Prtnr
VP6615	R3A:EMP:#PLANS HAVE/ Sp-Prtnr
VP6632	R14:COV FRM INS CO:IMP/ Sp-Prtnr
VP6633	R14aA:CO/ORG:BASC HLTH/ Sp-Prtnr
VP6634	R14aB:CO/ORG:MEDIGAP/ Sp-Prtnr
VP6635	R14aC:CO/ORG:SUPPLMNTL/ Sp-Prtnr
VP6636	R14aD:CO/ORG:LN-TRM CR/ Sp-Prtnr
VP6637	R14aE:CO/ORG:OTHER/ Sp-Prtnr
VR6614	R3:EMPLR HLTH INS PLAN/ Self
VR6615	R3A:EMP:#PLANS HAVE/ Self
VR6632	R14:COV FRM INS CO:IMP/ Self
VR6633	R14aA:CO/ORG:BASC HLTH/ Self
VR6634	R14aB:CO/ORG:MEDIGAP/ Self
VR6635	R14aC:CO/ORG:SUPPLMNTL/ Self
VR6636	R14aD:CO/ORG:LN-TRM CR/ Self

VR6637	R14aE:CO/ORG:OTHER/ Self
AHEAD 1993:	
B1859	R6. R OTHER HEALTH INSURANCE: ANY
B1865A1	R7. R OTHER HEALTH INSURANCE: TYPE-1
B1865A2	R7. R OTHER HEALTH INSURANCE: TYPE-2
B1865A3	R7. R OTHER HEALTH INSURANCE: TYPE-3
B1865A4	R7. R OTHER HEALTH INSURANCE: TYPE-4
B1866	R8. R OTH HEALTH INS: # DIFF POLICIES
HRS 1994:	
W6705	R2-1.COVERED BY SAME POL
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6709	R2-2b.STILL COVERED BY S
W6724	R4.CURRENT HEALTH INS FR
W6725	R4a.# HEALTH INS PLANS F
W6754	R14.INSURANCE FROM COMPA
W6757	R14b.SUPPLEMENTARY HEALT
W6758	R14c.KIND OF PRIVATE HEA
W6759	R14c.KIND OF PRIVATE HEA
W6760	R14c.KIND OF PRIVATE HEA
W6761	R14c.KIND OF PRIVATE HEA
AHEAD 1995:	
D5214	R9. OTHER HEALTH INSURANCE
D5215	R9A.# OTHER HEALTH INS
HRS 1996:	
E5133	R1.MEDICARE COVERAGE
E5136	R5.CURRENTLY COVERED BY MEDICAID
E5145	R9.CHAMPUS/CHAMPVA COVERAGE
E5158	R12X.SELF-EMP INSURANCE
E5160	R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
E5161	R14.NUMBER OF EMPLOYER PROVIDED PLANS
E5205	R45B.CHECKPOINT
E5206	R46.OTHER INSURANCE
E5218	R48.ANY OTHER HEALTH INSUR
HRS 1998:	
F5869	R5.CURRENTLY COVERED BY MEDICAID
F5878	R9.CHAMPUS/CHAMPVA COVERAGE
F5890	R12B.CHECKPOINT
F5891	R12X.SELF-EMP INSURANCE
F5893	R13.ANY INSURANCE FOR HOSP/DR BILLS
F5894	R14.NUMBER OF PLANS
F5937	R45B.CHECKPOINT
F5938	R46.OTHER INSURANCE
F5950	R48.ANY OTHER HEALTH INSUR
HRS 2000:	
G6263	R12X.CHECKPOINT
G6264	R12AA.SELF-EMP INSURANCE
G6266	R13.ANY INSURANCE THRU AN EMPLOYER
G6267	R14.NUMBER OF PLANS
G6311	R45B.CHECKPOINT
G6312	R46.OTHER INSURANCE
G6324	R48.ANY HEALTH INSUR
G6325	R48B.ANY OTHER PURCHASED HEALTH INS
HRS 2002-2016:	
xN023	NUM PRIVATE HEALTH INS PLANS

Exit Interview Variables

HRS 1994:
 W6705 R2-1.COVERED BY SAME POL
 W6707 R2b-1.STILL COVERED BY W
 W6708 R2-2a.STILL COVERED BY S
 W6709 R2-2b.STILL COVERED BY S
 W6724 R4.CURRENT HEALTH INS FR
 W6725 R4a.# HEALTH INS PLANS F
 W6742 P2. R6a.COST PER MONTH
 W6754 R14.INSURANCE FROM COMPA
 W6757 R14b.SUPPLEMENTARY HEALT
 W6758 R14c.KIND OF PRIVATE HEA
 W6759 R14c.KIND OF PRIVATE HEA
 W6760 R14c.KIND OF PRIVATE HEA
 W6761 R14c.KIND OF PRIVATE HEA
 W6762 R14d1.COST FOR PRIVATE H
 AHEAD 1995:
 N5339 R9.OTHER HEALTH INSURANCE
 N5340 R9a.# OTHER HEALTH INS
 HRS 1996:
 P2231 R9. OTHER HEALTH INSURANCE
 P2232 R9a.# OTHER HEALTH INS
 HRS 1998:
 Q2560 R1.MEDICARE COVERAGE
 Q2563 R5.CURRENTLY COVERED BY MEDICAID
 Q2572 R9.CHAMPUS/CHAMPVA COVERAGE
 Q2584 R12b.CHECKPOINT
 Q2585 R13.ANY INSURANCE FOR HOSP/DR BILLS
 Q2586 R14.NUMBER OF PLANS
 Q2608 R45b.CHECKPOINT
 Q2609 R46.OTHER INSURANCE
 Q2621 R48.ANY OTHER PURCHASED HEALTH INSUR
 HRS 2000:
 R2585 R1.MEDICARE COVERAGE
 R2589 R5.CURRENTLY COVERED BY MEDICAID
 R2598 R9.CHAMPUS/CHAMPVA COVERAGE
 R2610 R12x.CHECKPOINT
 R2611 R12aa.SELF-EMP INSURANCE
 R2613 R13.ANY INSURANCE THRU AN EMPLOYER
 R2614 R14.NUMBER OF PLANS
 R2632 R45b.CHECKPOINT
 R2633 R46.OTHER INSURANCE
 R2645 R48.ANY HEALTH INSUR
 HRS 2002-2016:
 xN023 NUM PRIVATE HEALTH INS PLANS

Private health insurance premium amounts

Wave	Variable	Label	Type
1	R1PRPRM1	R1PRPRM1:W1 Private Insurance Plan 1 Monthly Premium	Cont
2	R2PRPRM1	R2PRPRM1:W2 Private Insurance Plan 1 Monthly Premium	Cont
3	R3PRPRM1	R3PRPRM1:W3 Private Insurance Plan 1 Monthly Premium	Cont
4	R4PRPRM1	R4PRPRM1:W4 Private Insurance Plan 1 Monthly Premium	Cont
5	R5PRPRM1	R5PRPRM1:W5 Private Insurance Plan 1 Monthly Premium	Cont
6	R6PRPRM1	R6PRPRM1:W6 Private Insurance Plan 1 Monthly Premium	Cont
7	R7PRPRM1	R7PRPRM1:W7 Private Insurance Plan 1 Monthly Premium	Cont
8	R8PRPRM1	R8PRPRM1:W8 Private Insurance Plan 1 Monthly Premium	Cont
9	R9PRPRM1	R9PRPRM1:W9 Private Insurance Plan 1 Monthly Premium	Cont
10	R10PRPRM1	R10PRPRM1:W10 Private Insurance Plan 1 Monthly Premium	Cont
11	R11PRPRM1	R11PRPRM1:W11 Private Insurance Plan 1 Monthly Premium	Cont
12	R12PRPRM1	R12PRPRM1:W12 Private Insurance Plan 1 Monthly Premium	Cont
13	R13PRPRM1	R13PRPRM1:W13 Private Insurance Plan 1 Monthly Premium	Cont
1	S1PRPRM1	S1PRPRM1:W1 Private Insurance Plan 1 Monthly Premium	Cont
2	S2PRPRM1	S2PRPRM1:W2 Private Insurance Plan 1 Monthly Premium	Cont
3	S3PRPRM1	S3PRPRM1:W3 Private Insurance Plan 1 Monthly Premium	Cont
4	S4PRPRM1	S4PRPRM1:W4 Private Insurance Plan 1 Monthly Premium	Cont
5	S5PRPRM1	S5PRPRM1:W5 Private Insurance Plan 1 Monthly Premium	Cont
6	S6PRPRM1	S6PRPRM1:W6 Private Insurance Plan 1 Monthly Premium	Cont
7	S7PRPRM1	S7PRPRM1:W7 Private Insurance Plan 1 Monthly Premium	Cont
8	S8PRPRM1	S8PRPRM1:W8 Private Insurance Plan 1 Monthly Premium	Cont
9	S9PRPRM1	S9PRPRM1:W9 Private Insurance Plan 1 Monthly Premium	Cont
10	S10PRPRM1	S10PRPRM1:W10 Private Insurance Plan 1 Monthly Premium	Cont
11	S11PRPRM1	S11PRPRM1:W11 Private Insurance Plan 1 Monthly Premium	Cont
12	S12PRPRM1	S12PRPRM1:W12 Private Insurance Plan 1 Monthly Premium	Cont
13	S13PRPRM1	S13PRPRM1:W13 Private Insurance Plan 1 Monthly Premium	Cont
2	R2PRPRM2	R2PRPRM2:W2 Private Insurance Plan 2 Monthly Premium	Cont
3	R3PRPRM2	R3PRPRM2:W3 Private Insurance Plan 2 Monthly Premium	Cont
4	R4PRPRM2	R4PRPRM2:W4 Private Insurance Plan 2 Monthly Premium	Cont
5	R5PRPRM2	R5PRPRM2:W5 Private Insurance Plan 2 Monthly Premium	Cont
6	R6PRPRM2	R6PRPRM2:W6 Private Insurance Plan 2 Monthly Premium	Cont
7	R7PRPRM2	R7PRPRM2:W7 Private Insurance Plan 2 Monthly Premium	Cont
8	R8PRPRM2	R8PRPRM2:W8 Private Insurance Plan 2 Monthly Premium	Cont
9	R9PRPRM2	R9PRPRM2:W9 Private Insurance Plan 2 Monthly Premium	Cont
10	R10PRPRM2	R10PRPRM2:W10 Private Insurance Plan 2 Monthly Premium	Cont
11	R11PRPRM2	R11PRPRM2:W11 Private Insurance Plan 2 Monthly Premium	Cont
12	R12PRPRM2	R12PRPRM2:W12 Private Insurance Plan 2 Monthly Premium	Cont
13	R13PRPRM2	R13PRPRM2:W13 Private Insurance Plan 2 Monthly Premium	Cont
2	S2PRPRM2	S2PRPRM2:W2 Private Insurance Plan 2 Monthly Premium	Cont
3	S3PRPRM2	S3PRPRM2:W3 Private Insurance Plan 2 Monthly Premium	Cont
4	S4PRPRM2	S4PRPRM2:W4 Private Insurance Plan 2 Monthly Premium	Cont
5	S5PRPRM2	S5PRPRM2:W5 Private Insurance Plan 2 Monthly Premium	Cont
6	S6PRPRM2	S6PRPRM2:W6 Private Insurance Plan 2 Monthly Premium	Cont
7	S7PRPRM2	S7PRPRM2:W7 Private Insurance Plan 2 Monthly Premium	Cont
8	S8PRPRM2	S8PRPRM2:W8 Private Insurance Plan 2 Monthly Premium	Cont
9	S9PRPRM2	S9PRPRM2:W9 Private Insurance Plan 2 Monthly Premium	Cont
10	S10PRPRM2	S10PRPRM2:W10 Private Insurance Plan 2 Monthly Premium	Cont
11	S11PRPRM2	S11PRPRM2:W11 Private Insurance Plan 2 Monthly Premium	Cont
12	S12PRPRM2	S12PRPRM2:W12 Private Insurance Plan 2 Monthly Premium	Cont
13	S13PRPRM2	S13PRPRM2:W13 Private Insurance Plan 2 Monthly Premium	Cont
2	R2PRPRM3	R2PRPRM3:W2 Private Insurance Plan 3 Monthly Premium	Cont
3	R3PRPRM3	R3PRPRM3:W3 Private Insurance Plan 3 Monthly Premium	Cont
6	R6PRPRM3	R6PRPRM3:W6 Private Insurance Plan 3 Monthly Premium	Cont
7	R7PRPRM3	R7PRPRM3:W7 Private Insurance Plan 3 Monthly Premium	Cont
8	R8PRPRM3	R8PRPRM3:W8 Private Insurance Plan 3 Monthly Premium	Cont
9	R9PRPRM3	R9PRPRM3:W9 Private Insurance Plan 3 Monthly Premium	Cont
10	R10PRPRM3	R10PRPRM3:W10 Private Insurance Plan 3 Monthly Premium	Cont
11	R11PRPRM3	R11PRPRM3:W11 Private Insurance Plan 3 Monthly Premium	Cont
12	R12PRPRM3	R12PRPRM3:W12 Private Insurance Plan 3 Monthly Premium	Cont
13	R13PRPRM3	R13PRPRM3:W13 Private Insurance Plan 3 Monthly Premium	Cont
2	S2PRPRM3	S2PRPRM3:W2 Private Insurance Plan 3 Monthly Premium	Cont

3	S3PRPRM3	S3PRPRM3:W3 Private Insurance Plan 3 Monthly Premium	Cont
6	S6PRPRM3	S6PRPRM3:W6 Private Insurance Plan 3 Monthly Premium	Cont
7	S7PRPRM3	S7PRPRM3:W7 Private Insurance Plan 3 Monthly Premium	Cont
8	S8PRPRM3	S8PRPRM3:W8 Private Insurance Plan 3 Monthly Premium	Cont
9	S9PRPRM3	S9PRPRM3:W9 Private Insurance Plan 3 Monthly Premium	Cont
10	S10PRPRM3	S10PRPRM3:W10 Private Insurance Plan 3 Monthly Premium	Cont
11	S11PRPRM3	S11PRPRM3:W11 Private Insurance Plan 3 Monthly Premium	Cont
12	S12PRPRM3	S12PRPRM3:W12 Private Insurance Plan 3 Monthly Premium	Cont
13	S13PRPRM3	S13PRPRM3:W13 Private Insurance Plan 3 Monthly Premium	Cont
E	REPRPRM1	REPRPRM1:EXIT Private Insurance Plan 1 Monthly Premium	Cont
E	REPRPRM2	REPRPRM2:EXIT Private Insurance Plan 2 Monthly Premium	Cont
E	REPRPRM3	REPRPRM3:EXIT Private Insurance Plan 3 Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PRPRM1	1633	122.25	200.12	0.0	3150.0
R2PRPRM1	11372	142.15	3226.60	0.0	261130.0
R3PRPRM1	8815	94.34	198.15	0.0	9950.0
R4PRPRM1	10862	95.82	216.67	0.0	17333.3
R5PRPRM1	9597	111.60	295.49	0.0	18300.0
R6PRPRM1	10476	129.12	150.76	0.0	900.0
R7PRPRM1	11321	154.00	178.46	0.0	2494.0
R8PRPRM1	9741	158.87	186.90	0.0	3000.0
R9PRPRM1	8341	181.30	252.49	0.0	6307.0
R10PRPRM1	10217	211.67	378.61	0.0	9950.0
R11PRPRM1	9085	213.37	263.25	0.0	5524.0
R12PRPRM1	8154	221.21	289.58	0.0	8360.0
R13PRPRM1	8836	246.16	352.86	0.0	9854.0
S1PRPRM1	1252	127.24	209.02	0.0	3150.0
S2PRPRM1	7564	154.79	3459.34	0.0	261130.0
S3PRPRM1	6103	102.21	216.15	0.0	9950.0
S4PRPRM1	7199	107.39	252.10	0.0	17333.3
S5PRPRM1	6247	124.93	334.15	0.0	18300.0
S6PRPRM1	7227	144.48	164.42	0.0	900.0
S7PRPRM1	7895	173.26	193.15	0.0	2494.0
S8PRPRM1	6749	179.78	204.90	0.0	3000.0
S9PRPRM1	5703	204.60	276.26	0.0	6307.0
S10PRPRM1	6866	234.14	357.73	0.0	9950.0
S11PRPRM1	6105	240.67	281.01	0.0	4800.0
S12PRPRM1	5268	254.68	319.28	0.0	8360.0
S13PRPRM1	5508	284.36	359.81	0.0	8280.0
R2PRPRM2	893	45.49	77.42	0.0	1223.0
R3PRPRM2	769	46.52	79.60	0.0	900.0
R4PRPRM2	235	58.93	72.57	0.0	328.0
R5PRPRM2	520	62.94	135.94	0.0	2166.7
R6PRPRM2	615	53.95	87.67	0.0	500.0
R7PRPRM2	797	52.90	86.45	0.0	600.0
R8PRPRM2	569	54.28	92.68	0.0	800.0
R9PRPRM2	475	76.28	239.24	0.0	3762.0
R10PRPRM2	602	95.54	322.22	0.0	4776.0
R11PRPRM2	509	75.73	154.71	0.0	2500.0
R12PRPRM2	534	70.60	119.70	0.0	1600.0
R13PRPRM2	551	88.41	320.34	0.0	6790.0
S2PRPRM2	686	47.45	71.99	0.0	692.0

S3PRPRM2	511	50.84	88.82	0.0	900.0
S4PRPRM2	199	58.68	72.85	0.0	308.0
S5PRPRM2	415	67.99	148.81	0.0	2166.7
S6PRPRM2	471	57.97	91.33	0.0	500.0
S7PRPRM2	583	60.66	95.26	0.0	600.0
S8PRPRM2	432	63.04	102.41	0.0	800.0
S9PRPRM2	351	81.47	226.97	0.0	3762.0
S10PRPRM2	419	100.62	319.90	0.0	4776.0
S11PRPRM2	342	81.01	123.18	0.0	800.0
S12PRPRM2	361	73.98	107.16	0.0	560.0
S13PRPRM2	345	105.99	391.46	0.0	6790.0
R2PRPRM3	53	41.36	57.63	0.0	350.0
R3PRPRM3	4	311.67	396.92	30.0	900.0
R6PRPRM3	53	34.85	83.68	0.0	565.0
R7PRPRM3	87	26.64	49.85	0.0	300.0
R8PRPRM3	60	40.12	93.03	0.0	500.0
R9PRPRM3	58	33.55	61.43	0.0	376.0
R10PRPRM3	105	40.20	97.14	0.0	950.0
R11PRPRM3	74	32.19	58.76	0.0	300.0
R12PRPRM3	115	31.87	48.11	0.0	350.0
R13PRPRM3	137	33.82	48.73	0.0	432.0
S2PRPRM3	37	49.16	65.85	3.0	350.0
S3PRPRM3	2	533.33	518.54	166.7	900.0
S6PRPRM3	40	27.85	43.35	0.0	150.0
S7PRPRM3	60	29.12	57.45	0.0	300.0
S8PRPRM3	45	45.49	106.50	0.0	500.0
S9PRPRM3	40	34.93	67.32	0.0	376.0
S10PRPRM3	73	38.00	41.23	0.0	155.0
S11PRPRM3	49	25.65	41.34	0.0	247.0
S12PRPRM3	77	27.40	37.42	0.0	233.0
S13PRPRM3	82	36.24	38.92	0.0	200.0
REPRPRM1	4545	129.04	179.21	0.0	3500.0
REPRPRM2	225	55.07	86.64	0.0	684.0
REPRPRM3	13	56.69	92.93	0.0	321.0

How Constructed

Core Interview Variables

RwPRPRM1, RwPRPRM2, and RwPRPRM3 indicate the amount in nominal dollars that the Respondent pays in monthly premiums for her/his private health insurance plan(s). SwPRPRM1, SwPRPRM2, and SwPRPRM3 provide the information for the Respondent's spouse or partner.

In Waves 1 to 5, Respondents are asked about their private health insurance plan premiums by type of plan (employer-provided, supplemental, purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

From Wave 6 forward, Respondents are asked about their three most important private health insurance plans.

In Wave 3A and Waves 6 to 11, if a Respondent indicates having a private health insurance plan, s/he is asked if they pay all/some/none of the costs of the premium.

In Waves 2H, 3H, 4, and 5, if a Respondent indicates that s/he has a private employer-provided health insurance plan, s/he is asked if they pay all/some/none of the costs of the premium.

In Waves 3H, 4, and 5, if a Respondent indicates that s/he has a private supplemental health insurance plan, s/he is asked if they pay all/some/none of the costs of the premium.

In all waves, if the Respondent indicates that they pay all or some of the cost of the premium or there is no initial question about how much of the premium the Respondent pays, the Respondent is asked how much they pay for this insurance.

The Respondent reports amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts.

RwPRPRMx, where 'x' is the relevant plan number, is set to .S when the premium question is skipped. The question(s) may be skipped for a variety of reasons, including: no (more) private health insurance plans, the Respondent does not know or refuses to answer the number of private health insurance plans question, or the question was not asked for a specific type of private health plan.

SwPRPRM1 for Wave 1 is taken from the Financial Respondent's information if appropriate. That is, if the Respondent is the Financial Respondent, then S1PRPRM1 contains the Financial Respondent's spouse's information. If the Respondent is the spouse of the Financial Respondent, then S1PRPRM1 contains the Financial Respondent's information.

From Wave 2 forward, this information is taken from the spouse's self-reported RwPRPRM1-3 variables, if available. If the Respondent is not married, SwPRPRM1-3 is set to .U=unmarried. If the Respondent's spouse did not respond, then SwPRPRM1-3 is set to .V=Spouse is non-response.

Exit Interview Variables

REPRPRM1, REPRPRM2, and REPRPRM3 indicate the amount in nominal dollars that the Respondent paid in monthly premiums for her/his private health insurance plan(s) at time of death.

In Waves 2H to 5, the proxy is asked about the Respondent's private health insurance plan premiums by type of plan (employer-provided, supplemental, purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

From Wave 6 forward, the proxy is asked about the Respondent's three most important private health insurance plans.

In Wave 3A and Waves 6 to 11, if a proxy indicates the Respondent had a private health insurance plan, s/he is asked if they pay all/some/none of the costs of the premium.

In Waves 2H, 3H, 4, and 5, if a proxy indicates that the Respondent had a private employer-provided health insurance plan, s/he is asked if the Respondent paid all/some/none of the costs of the premium.

In Waves 3H, 4, and 5, if a proxy indicates that the Respondent had a private supplemental health insurance plan, s/he is asked if the Respondent paid all/some/none of the costs of the premium.

In all waves, if the proxy indicates that the Respondent paid all or some of the cost of the premium or if there is no initial question about how much of the premium the Respondent paid, the proxy is asked how much the Respondent paid for that insurance.

The proxy reports amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts.

REPRPRM1 is set to .X if the proxy reports that the Respondent owned 0 private health plans. Similarly, REPRPRM2 is set to .X if the proxy reports 0-1 private health plans, and REPRPRM3 is set to .X if the proxy reports 0-2 private health plans.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent about the Financial Respondent's insurance coverage and, if married, her/his spouse's insurance coverage. From Wave 2 forward, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, the Respondent only reports premiums for her/his supplemental plans or plans purchased directly from an insurance company or group. However, this can include long-term care insurance. The question asks, "How much do you pay for this insurance?" and it is unclear if the Respondent responds for all supplemental/other plans or just the most important plan. In a separate question, the Respondent lists the types of private health insurance plans s/he has (other than employer-provided plans). If the Respondent only reports a long-term care insurance plan, then R1PRPRM1 is set to .L to indicate that the premium amount is only for a long-term care insurance plan. In this instance, the premium amount is recorded in R1LTCPRM. If a Respondent lists long-term care and another type of insurance (such as Medigap), these both may be part of the premium listed in R1PRPRM1. There are no questions about the second or third supplemental plan or about employer-provided insurance premiums in Wave 1.

In Wave 2A, the Respondent reports premiums for all private plans in one question which asks, "Again, not counting Medicare, how much do you pay for this policy/Taken together, how much do you pay for these policies?)" Note therefore that if the Respondent has reported multiple private health insurance plans, the sum of the premiums is reported in R2PRPRM1. In a separate question, Respondents are asked "What kind of coverage do you have?" Since this list includes long-term care insurance, if a Respondent only lists long-term care insurance as the type of coverage s/he has, then R2PRPRM1 is set to .L to indicate that the premium amount is only for a long-term care insurance plan. In this instance, the premium amount is recorded in R2LTCPRM. Since all private health insurance plan premiums are reported in one location, there are no premium variables for the second or third plans in Wave 2A.

In Wave 2H, the Respondent is asked about employer-provided plans, other/supplemental plans, and plans direct from an insurance company or group separately.

For the employer-provided plans in Wave 2H, the amount of the premium is not asked if (1) a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1, and (2) if the Respondent indicates that s/he is still covered by that source. In this instance, R2PRPRM1 is set to .C to indicate that the Respondent has a plan, but the premium amount is not available. Otherwise, Respondents who indicate having employer-provided plans are asked, "About how much per month do you pay under this plan?"

In Wave 2H, the Respondent is asked about plans purchased directly from an insurance company or group. If the Respondent indicates having such coverage, s/he is asked, "How much do you pay for this insurance (per month or quarter)?"

In Wave 2H, the Respondent is then asked about supplemental plans. If the Respondent indicates having a supplemental plan, s/he is asked "What kind of coverage do you have?" Since this list includes long-term care insurance, if a Respondent only lists long-term care insurance as the type of coverage s/he has, then R2PRPRM1 is set to .L to indicate that the premium amount is only for a long-term care insurance plan. In this instance, the premium amount is recorded in R2LTCPRM. After indicating the type of plan, the Respondent is then asked, "How much do you pay for this insurance?"

In Wave 3A, if the Respondent indicates having one private health insurance plan, s/he is asked about that plan. If the Respondent indicates having more than one private health insurance plan, s/he is asked about the first plan first, then about all other plans combined. For each round, the Respondent is asked, "How is this coverage paid for—entirely by you (or your husband/or your wife/or your partner), entirely by your (husband's/wife's/partner's) (former) employer or union, or partly by a (former) employer or union, or what?" If the Respondent indicates that the plan is entirely paid for by an employer or union, then the premium amount is coded as "0". Otherwise, the Respondent is asked, "About how much do you pay for this plan?"

In Wave 3A, there was an erroneous skip pattern that affected 1,172 Respondents. If the Respondent listed one private plan, the follow-up questions on source and premium amount were skipped. At some point, this issue was fixed but 1,172 Respondents were affected. For these individuals, the premium variable is coded as .M for other missing.

In Waves 3H, 4, and 5, the Respondent is asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group separately.

In Waves 3H and 4, for employer-provided plans, if a Respondent indicates having an employer-provided plan or a plan through self-employment, then s/he is first asked, "Do you pay all of the costs, some of the costs, or none of the costs of the premium for this health insurance coverage?" If the Respondent indicates that they pay none of the cost, then the premium amount is coded as "0". Otherwise, the Respondent is asked, "How much do you pay for this health insurance?"

In Wave 5, employer-provided plan questions are similar to Waves 3H and 4, with a few exceptions. Those who indicate having a plan through self-employment and ARE covered by Medicare are not asked the premium or source questions. Those who indicate having a plan through self-employment and ARE NOT covered by Medicare are asked the premium and source questions in a separate question, the same question for those who obtain insurance direct from an insurance company or group. If the Respondent obtains health insurance through her/his spouse, then the premium amount question is not asked and the premium variable is coded as .C to indicate coverage by spouse.

In Waves 4 and 5, for employer-provided plans, if the Respondent does not list the time period for amount paid (e.g., bi-weekly, monthly), then the monthly amount cannot be calculated and RwPRPRMx, where 'x' is the relevant plan number, is set to .K.

In Waves 3H, 4, and 5, the Respondent is then asked about supplemental plans. If the Respondent indicates having a supplemental private health plan, s/he is asked if they pay some/all/none of the costs. If the Respondent pays none of the cost, then the premium amount is coded as "0", otherwise the Respondent is asked how much they pay. The Respondent is then asked about plans direct from an insurance company or group. If the Respondent indicates coverage, the questions are similar to the supplemental plan questions. Note that in Wave 5, the premiums for those who have a plan through self-employment and ARE NOT covered by Medicare are obtained in this group of questions.

From Wave 6 forward, Respondents are asked about their three most important private health insurance plans.

In Waves 6 to 11, if a Respondent indicates having one or more private plans, a question asks, "Including any help from your family, do you [or your husband/wife/partner] pay all of the costs, some of the costs, or none of the costs of the premium for this health insurance coverage?" If the Respondent indicates that they pay none of the cost, then the premium amount is coded as "0". Otherwise, the Respondent is next asked, "How much do you [or your] [husband/wife/partner] pay per month in premiums for this plan?"

From Wave 12 forward, the Respondent is not asked what portion of the premium they pay. The Respondent is simply asked, "How much do you [or your] [husband/wife/partner] pay per month in premiums for this plan (for you and any members of your household that are also covered)?"

Exit Interview Variables

In Wave 2H, the proxy is asked about employer-provided plans, other/supplemental plans, and plans direct from an insurance company or group separately.

For the employer-provided plans in Wave 2H, the amount of the premium is not asked if (1) a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1, and (2) if the proxy indicates that the Respondent was still covered by that source. In this instance, REPRPRM1 is set to .C to indicate that the Respondent had a plan, but the premium amount is not available. Otherwise, proxies for Respondents who had employer-provided plans are asked, "About how much per month do you pay under this plan?" Note that in Wave 2H, there is no separately worded survey for the proxy.

In Wave 2H, the proxy is asked about plans purchased directly from an insurance company or group. If the Respondent had such coverage, the proxy is asked, "How much do you pay for this insurance (per month or quarter)?"

In Wave 2H, the proxy is then asked about supplemental plans. If the Respondent had a supplemental plan, the proxy is asked "What kind of coverage do you have?" Since this list includes long-term care insurance, if a proxy only lists long-term care insurance as the type of coverage the Respondent had, then REPRPRM1 is set to .L to indicate that the premium amount is only for a long-term

care insurance plan. In this instance, the premium amount is recorded in RELTCPRM. After indicating the type of plan, the proxy is then asked, "How much do you pay for this insurance?"

In Wave 3A, if the proxy indicates the Respondent had one private health insurance plan, s/he is asked about that plan. If the Respondent had more than one private health insurance plan, the proxy is asked about the first plan first, then about all other plans combined. For each round, the proxy is asked, "How was this coverage paid for—entirely by (him/her) (or his/her husband/or his/her wife/or his/her partner/...), entirely by (his/her) (husband's/wife's/partner's/...) (former) employer or union, or partly by a (former) employer or union, or what?" If the proxy indicates that the plan was entirely paid for by an employer or union, then the premium amount is coded as "0." Otherwise, the proxy is asked, "About how much were (his/her) premiums for this plan?"

In Waves 3H, 4, and 5, the proxy is asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group separately.

In Waves 3H and 4, for employer-provided plans, if a Respondent had an employer-provided plan or a plan through self-employment, then the proxy is first asked, "Did (he/she) or you pay all of the costs, some of the costs, or none of the costs of the premium for this health insurance coverage?" If the Respondent indicates that they paid none of the cost, then the premium amount is coded as "0." Otherwise, the Respondent is asked, "How much was (he/she) paying for this health insurance coverage?"

In Wave 5, employer-provided plan questions are similar to Waves 3H and 4, with a few exceptions. Those who had a plan through self-employment and were covered by Medicare are not asked the premium or source questions. Those who had a plan through self-employment and were not covered by Medicare are asked the premium and source questions in a separate question, the same question for those who obtain insurance directly from an insurance company or group. If the Respondent obtained health insurance through her/his spouse, then the premium amount question is not asked, and the premium variable is coded as .C to indicate coverage by spouse.

In Waves 4 and 5, for employer-provided plans, if the proxy does not list the time period for amount paid (e.g., bi-weekly, monthly), then the monthly amount cannot be calculated and REPRPRMx, where 'x' is the relevant plan number, is set to .K.

In Waves 3H, 4, and 5, the proxy is then asked about supplemental plans. If the Respondent had a supplemental private health plan, the proxy is asked if the Respondent paid some/all/none of the costs. If the Respondent paid none of the cost, then the premium amount is coded as "0," otherwise the proxy is asked how much the Respondent paid. The proxy is then asked about direct plans from an insurance company or group. If the Respondent had coverage, the questions are similar to the supplemental plan questions. Note that in Wave 5, the premiums for those who have a plan through self-employment and ARE NOT covered by Medicare are obtained in this group of questions.

From Wave 6 forward, the proxy is asked about the Respondent's three most important private health insurance plans.

In Waves 6 to 11, if a Respondent had one or more private plans, a question asks, "Including any help from [her/his] family, did [she/he] [or/or her/his] [you/husband/wife/partner] pay all of the costs, some of the costs, or none of the costs of the premium for this health insurance coverage?" If the Respondent paid none of the cost, then the premium amount is coded as "0." Otherwise, the proxy is next asked, "How much did [he/she] [you or your] [husband/wife/partner] pay per month in premiums for this plan for [him/her/self] and any members of [his/her] household that were also covered?"

From Wave 12 forward, the proxy is not asked what portion of the premium the Respondent paid. The proxy is simply asked, "How much did [he/she] (or [you/[his/her] [husband/wife/partner]]) pay per month in premiums for this plan for [himself/herself] and any members of [his/her] household that were also covered?"

HRS Variables Used

Core Interview Variables

HRS 1992:

VP6632	R14:COV FRM INS CO:IMP/ Sp-Prtnr
VP6638	R14B:CO/ORG:\$ PLN :IMP/ Sp-Prtnr

VP6639 R14B:CO/ORG:COST P:IMP/ Sp-Prtnr
 VR6632 R14:COV FRM INS CO:IMP/ Self
 VR6638 R14B:CO/ORG:\$ PLN :IMP/ Self
 VR6639 R14B:CO/ORG:COST P:IMP/ Self
 AHEAD 1993:
 B1859 R6. R OTHER HEALTH INSURANCE: ANY
 B1865A1 R7. R OTHER HEALTH INSURANCE: TYPE-1
 B1865A2 R7. R OTHER HEALTH INSURANCE: TYPE-2
 B1865A3 R7. R OTHER HEALTH INSURANCE: TYPE-3
 B1865A4 R7. R OTHER HEALTH INSURANCE: TYPE-4
 B1866 R8. R OTH HEALTH INS: # DIFF POLICIES
 B1867 R9. R OTH HEALTH INS: TOTAL COST TO R
 B1868 R9a. R OTH HEALTH INSUR: TOT COST PERIOD
 HRS 1994:
 W6705 R2-1.COVERED BY SAME POL
 W6707 R2b-1.STILL COVERED BY W
 W6708 R2-2a.STILL COVERED BY S
 W6709 R2-2b.STILL COVERED BY S
 W6711 R3a.COST PER MONTH
 W6724 R4.CURRENT HEALTH INS FR
 W6725 R4a.# HEALTH INS PLANS F
 W6728 P1. R6a.COST PER MONTH
 W6733 P1. R7.WHO PAYS FOR INSU
 W6742 P2. R6a.COST PER MONTH
 W6747 P2. R7.WHO PAYS FOR INSU
 W6754 R14.INSURANCE FROM COMPA
 W6755 R14a.COST OF INSURANCE
 W6756 R14a1.PER
 W6757 R14b.SUPPLEMENTARY HEALT
 W6758 R14c.KIND OF PRIVATE HEA
 W6759 R14c.KIND OF PRIVATE HEA
 W6761 R14c.KIND OF PRIVATE HEA
 W6762 R14d1.COST FOR PRIVATE H
 W6763 R14d2.PER
 AHEAD 1995:
 D5214 R9. OTHER HEALTH INSURANCE
 D5215 R9A.# OTHER HEALTH INS
 D5226 R10E. HOW PAY FOR HMO-1
 D5227 R10F. HOW MUCH R PAY HMO-1
 D5228 R10G. PER R10F.
 D5243 R11E. HOW PAY FOR HMO-1
 D5244 R11F. HOW MUCH R PAY HMO-1
 D5245 R11G. PER R11F.
 HRS 1996:
 E5161 R14.NUMBER OF EMPLOYER PROVIDED PLANS
 E5165_1 R15B.CHECKPOINT
 E5165_2 R15B.CHECKPOINT
 E5166_1 R16.PAY COSTS FOR HEALTH INSURANCE
 E5166_2 R16.PAY COSTS FOR HEALTH INSURANCE
 E5167_1 R17.AMT PAID OTHER PLANS
 E5167_2 R17.AMT PAID OTHER PLANS
 E5168_1 R17.AMT PAID OTHER PLANS PER
 E5168_2 R17.AMT PAID OTHER PLANS PER
 E5206 R46.OTHER INSURANCE
 E5208 R46B.PAY ALL/SOME/NONE OF PREMIUM
 E5209 R46C.SUPPLEMENT AMT PAY
 E5210 R46CA.SUPPLEMENT AMT PAY PER
 E5218 R48.ANY OTHER HEALTH INSUR
 E5219 R50.COVER HOSPITAL/PHYSICAL VISITS

E5220	R51.R PAY COST
E5221	R52.AMT PAY FOR OTHER HEALTH INSURANCE
E5222	R52A.AMT PAY FOR OTHER HEALTH INSUR PER
HRS 1998:	
F5894	R14.NUMBER OF PLANS
F5898	R15B.CHECKPOINT
F5899	R16.PAY COSTS FOR HEALTH INSURANCE
F5900	R17.AMT PAID
F5901	R17.AMT PAID-PER
F5938	R46.OTHER INSURANCE
F5940	R46B.PAY ALL/SOME/NONE OF PREMIUM
F5941	R46C.AMT PAY
F5942	R46CA.AMT PAY-PER
F5950	R48.ANY OTHER HEALTH INSUR
F5953	R52.AMT PAY FOR HEALTH INSURANCE
F5954	R52A.AMT PAY FOR HEALTH INSURANCE-PER
HRS 2000:	
G6238	R1.MEDICARE COVERAGE
G6264	R12AA.SELF-EMP INSURANCE
G6266	R13.ANY INSURANCE THRU AN EMPLOYER
G6271	R15B.CHECKPOINT
G6272	R16.PAY COSTS FOR HEALTH INSURANCE
G6273	R17.AMT PAID
G6274	R17Y1. PER
G6312	R46.OTHER INSURANCE
G6314	R46B.PAY ALL/SOME/NONE OF PREMIUM
G6315	R46C.AMT PAY
G6316	R46CA.PER
G6324	R48.ANY HEALTH INSUR
G6325	R48B.ANY OTHER PURCHASED HEALTH INS
G6327	R52.AMT PAY FOR HEALTH INSURANCE
G6328	R52A.PER
HRS 2002-2012:	
xN039_1	PAY ALL/SOME/NONE PRIV PLAN HI COSTS- 1
xN039_2	PAY ALL/SOME/NONE PRIV PLAN HI COSTS- 2
xN039_3	PAY ALL/SOME/NONE PRIV PLAN HI COSTS-3
HRS 2002-2016:	
xN023	NUM PRIVATE HEALTH INS PLANS
xN040_1	PRIV PLAN HI PAY PER/MONTH- AMT- 1
xN040_2	PRIV PLAN HI PAY PER/MONTH- AMT- 2
xN040_3	PRIV PLAN HI PAY PER/MONTH- AMT- 3

Exit Interview Variables

HRS 1994:	
W6705	R2-1.COVERED BY SAME POL
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6709	R2-2b.STILL COVERED BY S
W6711	R3a.COST PER MONTH
W6724	R4.CURRENT HEALTH INS FR
W6725	R4a.# HEALTH INS PLANS F
W6726	P1. R5.HOW OBTAINED
W6728	P1. R6a.COST PER MONTH
W6733	P1. R7.WHO PAYS FOR INSU
W6740	P2. R5.HOW OBTAINED
W6742	P2. R6a.COST PER MONTH
W6747	P2. R7.WHO PAYS FOR INSU

W6754	R14.INSURANCE FROM COMPA
W6755	R14a.COST OF INSURANCE
W6756	R14a1.PER
W6757	R14b.SUPPLEMENTARY HEALT
W6758	R14c.KIND OF PRIVATE HEA
W6759	R14c.KIND OF PRIVATE HEA
W6760	R14c.KIND OF PRIVATE HEA
W6761	R14c.KIND OF PRIVATE HEA
W6762	R14d1.COST FOR PRIVATE H
W6763	R14d2.PER
AHEAD 1995:	
N5339	R9.OTHER HEALTH INSURANCE
N5340	R9a.# OTHER HEALTH INS
N5341M1	R10d.HOW OBTAIN OTHER HMO-1
N5342	R10e.HOW PAY FOR HMO-1
N5352	R10f. HOW MUCH R PAY HMO-1
N5353	R10g. PER R10f.
N5362M1	R11d.HOW OBTAIN OTHER HMO-1
N5363	R11e.HOW PAY FOR HMO-1
N5364	R11f. HOW MUCH R PAY HMO-1
N5365	R11g. PER R11f.
HRS 1996:	
P2231	R9. OTHER HEALTH INSURANCE
P2232	R9a.# OTHER HEALTH INS
P2233M1	R10d. HOW OBTAIN OTHER HMO-1
P2234	R10e. HOW PAY FOR HMO-1
P2244	R10f. HOW MUCH R PAY HMO-1
P2245	R10g. PER R10f.
P2254M1	R11d. HOW OBTAIN OTHER HMO-1
P2255	R11e. HOW PAY FOR HMO-1
P2256	R11f. HOW MUCH R PAY HMO-1
P2257	R11g. PER R11f.
HRS 1998:	
Q2560	R1.MEDICARE COVERAGE
Q2563	R5.CURRENTLY COVERED BY MEDICAID
Q2572	R9.CHAMPUS/CHAMPVA COVERAGE
Q2584	R12b.CHECKPOINT
Q2585	R13.ANY INSURANCE FOR HOSP/DR BILLS
Q2586	R14.NUMBER OF PLANS
Q2591	R16.PAY COSTS FOR HEALTH INSURANCE
Q2592	R17.AMT PAID
Q2593	R17.AMT PAID FOR HEALTH INS-PER
Q2609	R46.OTHER INSURANCE
Q2611	R46b.PAY ALL/SOME/NONE OF PREMIUM
Q2612	R46c.AMT PAY OTHER HEALTH INS
Q2613	R46ca.OTHER HEALTH INS-PER
Q2621	R48.ANY OTHER PURCHASED HEALTH INSUR
Q2624	R52.AMT PAY FOR PURCHASED HEALTH INSURANCE
Q2625	R52a.PURCHASED HEALTH INS - PER
HRS 2000:	
R2585	R1.MEDICARE COVERAGE
R2611	R12aa.SELF-EMP INSURANCE
R2613	R13.ANY INSURANCE THRU AN EMPLOYER
R2616	R15.HOW OBTAIN INSURANCE
R2618	R15b.CHECKPOINT
R2619	R16.PAY COSTS FOR HEALTH INSURANCE
R2620	R17.AMT PAID
R2621	R17Y1.(R17) PER
R2633	R46.OTHER INSURANCE

R2635	R46b.PAY ALL/SOME/NONE OF PREMIUM
R2636	R46c.AMT PAY
R2637	R46ca.PER
R2645	R48.ANY HEALTH INSUR
R2648	R52.AMT PAY FOR HEALTH INSURANCE
R2649	R52a.PER
HRS 2002-2012:	
xN039_1	PAY ALL/SOME/NONE PRIV PLAN HI COSTS-1
xN039_2	PAY ALL/SOME/NONE PRIV PLAN HI COSTS-2
xN039_3	PAY ALL/SOME/NONE PRIV PLAN HI COSTS-3
HRS 2002-2016:	
xN040_1	PRIV PLAN HI PAY PER/MONTH- AMT- 1
xN040_2	PRIV PLAN HI PAY PER/MONTH- AMT- 2
xN040_3	PRIV PLAN HI PAY PER/MONTH- AMT- 3

Source of private health insurance plans

Wave	Variable	Label	Type
1	R1PRSRC1	R1PRSRC1:W1 Private Insurance Plan 1 Source	Categ
2	R2PRSRC1	R2PRSRC1:W2 Private Insurance Plan 1 Source	Categ
3	R3PRSRC1	R3PRSRC1:W3 Private Insurance Plan 1 Source	Categ
4	R4PRSRC1	R4PRSRC1:W4 Private Insurance Plan 1 Source	Categ
5	R5PRSRC1	R5PRSRC1:W5 Private Insurance Plan 1 Source	Categ
6	R6PRSRC1	R6PRSRC1:W6 Private Insurance Plan 1 Source	Categ
7	R7PRSRC1	R7PRSRC1:W7 Private Insurance Plan 1 Source	Categ
8	R8PRSRC1	R8PRSRC1:W8 Private Insurance Plan 1 Source	Categ
9	R9PRSRC1	R9PRSRC1:W9 Private Insurance Plan 1 Source	Categ
10	R10PRSRC1	R10PRSRC1:W10 Private Insurance Plan 1 Source	Categ
11	R11PRSRC1	R11PRSRC1:W11 Private Insurance Plan 1 Source	Categ
12	R12PRSRC1	R12PRSRC1:W12 Private Insurance Plan 1 Source	Categ
13	R13PRSRC1	R13PRSRC1:W13 Private Insurance Plan 1 Source	Categ
1	S1PRSRC1	S1PRSRC1:W1 Private Insurance Plan 1 Source	Categ
2	S2PRSRC1	S2PRSRC1:W2 Private Insurance Plan 1 Source	Categ
3	S3PRSRC1	S3PRSRC1:W3 Private Insurance Plan 1 Source	Categ
4	S4PRSRC1	S4PRSRC1:W4 Private Insurance Plan 1 Source	Categ
5	S5PRSRC1	S5PRSRC1:W5 Private Insurance Plan 1 Source	Categ
6	S6PRSRC1	S6PRSRC1:W6 Private Insurance Plan 1 Source	Categ
7	S7PRSRC1	S7PRSRC1:W7 Private Insurance Plan 1 Source	Categ
8	S8PRSRC1	S8PRSRC1:W8 Private Insurance Plan 1 Source	Categ
9	S9PRSRC1	S9PRSRC1:W9 Private Insurance Plan 1 Source	Categ
10	S10PRSRC1	S10PRSRC1:W10 Private Insurance Plan 1 Source	Categ
11	S11PRSRC1	S11PRSRC1:W11 Private Insurance Plan 1 Source	Categ
12	S12PRSRC1	S12PRSRC1:W12 Private Insurance Plan 1 Source	Categ
13	S13PRSRC1	S13PRSRC1:W13 Private Insurance Plan 1 Source	Categ
2	R2PRSRC2	R2PRSRC2:W2 Private Insurance Plan 2 Source	Categ
3	R3PRSRC2	R3PRSRC2:W3 Private Insurance Plan 2 Source	Categ
4	R4PRSRC2	R4PRSRC2:W4 Private Insurance Plan 2 Source	Categ
5	R5PRSRC2	R5PRSRC2:W5 Private Insurance Plan 2 Source	Categ
6	R6PRSRC2	R6PRSRC2:W6 Private Insurance Plan 2 Source	Categ
7	R7PRSRC2	R7PRSRC2:W7 Private Insurance Plan 2 Source	Categ
8	R8PRSRC2	R8PRSRC2:W8 Private Insurance Plan 2 Source	Categ
9	R9PRSRC2	R9PRSRC2:W9 Private Insurance Plan 2 Source	Categ
10	R10PRSRC2	R10PRSRC2:W10 Private Insurance Plan 2 Source	Categ
11	R11PRSRC2	R11PRSRC2:W11 Private Insurance Plan 2 Source	Categ
12	R12PRSRC2	R12PRSRC2:W12 Private Insurance Plan 2 Source	Categ
13	R13PRSRC2	R13PRSRC2:W13 Private Insurance Plan 2 Source	Categ
2	S2PRSRC2	S2PRSRC2:W2 Private Insurance Plan 2 Source	Categ
3	S3PRSRC2	S3PRSRC2:W3 Private Insurance Plan 2 Source	Categ
4	S4PRSRC2	S4PRSRC2:W4 Private Insurance Plan 2 Source	Categ
5	S5PRSRC2	S5PRSRC2:W5 Private Insurance Plan 2 Source	Categ
6	S6PRSRC2	S6PRSRC2:W6 Private Insurance Plan 2 Source	Categ
7	S7PRSRC2	S7PRSRC2:W7 Private Insurance Plan 2 Source	Categ
8	S8PRSRC2	S8PRSRC2:W8 Private Insurance Plan 2 Source	Categ
9	S9PRSRC2	S9PRSRC2:W9 Private Insurance Plan 2 Source	Categ
10	S10PRSRC2	S10PRSRC2:W10 Private Insurance Plan 2 Source	Categ
11	S11PRSRC2	S11PRSRC2:W11 Private Insurance Plan 2 Source	Categ
12	S12PRSRC2	S12PRSRC2:W12 Private Insurance Plan 2 Source	Categ
13	S13PRSRC2	S13PRSRC2:W13 Private Insurance Plan 2 Source	Categ
2	R2PRSRC3	R2PRSRC3:W2 Private Insurance Plan 3 Source	Categ
3	R3PRSRC3	R3PRSRC3:W3 Private Insurance Plan 3 Source	Categ
6	R6PRSRC3	R6PRSRC3:W6 Private Insurance Plan 3 Source	Categ
7	R7PRSRC3	R7PRSRC3:W7 Private Insurance Plan 3 Source	Categ
8	R8PRSRC3	R8PRSRC3:W8 Private Insurance Plan 3 Source	Categ
9	R9PRSRC3	R9PRSRC3:W9 Private Insurance Plan 3 Source	Categ
10	R10PRSRC3	R10PRSRC3:W10 Private Insurance Plan 3 Source	Categ
11	R11PRSRC3	R11PRSRC3:W11 Private Insurance Plan 3 Source	Categ
12	R12PRSRC3	R12PRSRC3:W12 Private Insurance Plan 3 Source	Categ
13	R13PRSRC3	R13PRSRC3:W13 Private Insurance Plan 3 Source	Categ
2	S2PRSRC3	S2PRSRC3:W2 Private Insurance Plan 3 Source	Categ

3	S3PRSRC3	S3PRSRC3:W3 Private Insurance Plan 3 Source	Categ
6	S6PRSRC3	S6PRSRC3:W6 Private Insurance Plan 3 Source	Categ
7	S7PRSRC3	S7PRSRC3:W7 Private Insurance Plan 3 Source	Categ
8	S8PRSRC3	S8PRSRC3:W8 Private Insurance Plan 3 Source	Categ
9	S9PRSRC3	S9PRSRC3:W9 Private Insurance Plan 3 Source	Categ
10	S10PRSRC3	S10PRSRC3:W10 Private Insurance Plan 3 Source	Categ
11	S11PRSRC3	S11PRSRC3:W11 Private Insurance Plan 3 Source	Categ
12	S12PRSRC3	S12PRSRC3:W12 Private Insurance Plan 3 Source	Categ
13	S13PRSRC3	S13PRSRC3:W13 Private Insurance Plan 3 Source	Categ
E	REPRSRC1	REPRSRC1:EXIT Private Insurance Plan 1 Source	Categ
E	REPRSRC2	REPRSRC2:EXIT Private Insurance Plan 2 Source	Categ
E	REPRSRC3	REPRSRC3:EXIT Private Insurance Plan 3 Source	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1PRSRC1	1711	8.00	0.00	8.0	8.0
R2PRSRC1	8887	2.26	2.25	1.0	10.0
R3PRSRC1	10275	2.67	2.52	1.0	10.0
R4PRSRC1	10933	2.00	2.07	1.0	10.0
R5PRSRC1	10527	1.98	1.99	1.0	10.0
R6PRSRC1	12347	2.86	2.45	1.0	10.0
R7PRSRC1	13142	2.65	2.26	1.0	10.0
R8PRSRC1	11368	2.67	2.22	1.0	10.0
R9PRSRC1	9856	2.77	2.32	1.0	10.0
R10PRSRC1	11954	2.47	2.20	1.0	10.0
R11PRSRC1	10610	2.55	2.23	1.0	10.0
R12PRSRC1	9479	2.80	2.46	1.0	10.0
R13PRSRC1	10321	2.73	2.53	1.0	10.0
S1PRSRC1	1311	8.00	0.00	8.0	8.0
S2PRSRC1	7196	2.36	2.06	1.0	10.0
S3PRSRC1	7465	2.76	2.28	1.0	10.0
S4PRSRC1	8196	2.31	1.93	1.0	10.0
S5PRSRC1	7971	2.25	1.91	1.0	10.0
S6PRSRC1	8654	2.71	2.07	1.0	10.0
S7PRSRC1	9320	2.59	1.94	1.0	10.0
S8PRSRC1	7982	2.61	1.94	1.0	10.0
S9PRSRC1	6820	2.71	2.05	1.0	10.0
S10PRSRC1	8188	2.51	1.90	1.0	10.0
S11PRSRC1	7226	2.56	1.93	1.0	10.0
S12PRSRC1	6233	2.79	2.18	1.0	10.0
S13PRSRC1	6545	2.80	2.25	1.0	10.0
R2PRSRC2	1095	7.37	1.91	1.0	8.0
R3PRSRC2	933	2.95	2.74	1.0	10.0
R5PRSRC2	379	8.00	0.00	8.0	8.0
R6PRSRC2	737	3.13	2.60	1.0	10.0
R7PRSRC2	903	2.86	2.35	1.0	10.0
R8PRSRC2	639	2.69	2.19	1.0	10.0
R9PRSRC2	546	3.03	2.45	1.0	10.0
R10PRSRC2	717	2.70	2.26	1.0	10.0
R11PRSRC2	579	2.86	2.37	1.0	10.0
R12PRSRC2	620	2.99	2.49	1.0	10.0
R13PRSRC2	615	2.94	2.49	1.0	10.0
S2PRSRC2	859	7.32	2.01	1.0	8.0
S3PRSRC2	719	2.82	2.66	1.0	10.0

S5PRSRC2	299	8.00	0.00	8.0	8.0
S6PRSRC2	569	2.88	2.48	1.0	10.0
S7PRSRC2	693	2.57	2.06	1.0	10.0
S8PRSRC2	495	2.56	1.99	1.0	7.0
S9PRSRC2	414	2.88	2.19	1.0	10.0
S10PRSRC2	497	2.54	1.94	1.0	10.0
S11PRSRC2	393	2.59	1.93	1.0	7.0
S12PRSRC2	421	2.97	2.31	1.0	10.0
S13PRSRC2	388	2.83	2.15	1.0	10.0
R2PRSRC3	74	8.00	0.00	8.0	8.0
R3PRSRC3	5	8.00	0.00	8.0	8.0
R6PRSRC3	64	3.33	2.71	1.0	10.0
R7PRSRC3	95	2.63	2.31	1.0	7.0
R8PRSRC3	69	2.67	2.39	1.0	10.0
R9PRSRC3	59	2.66	2.53	1.0	10.0
R10PRSRC3	121	2.21	2.19	1.0	10.0
R11PRSRC3	84	2.10	1.89	1.0	7.0
R12PRSRC3	126	2.23	2.15	1.0	9.0
R13PRSRC3	145	2.05	2.12	1.0	10.0
S2PRSRC3	55	8.00	0.00	8.0	8.0
S3PRSRC3	3	8.00	0.00	8.0	8.0
S6PRSRC3	49	3.51	2.63	1.0	10.0
S7PRSRC3	67	2.73	1.93	1.0	7.0
S8PRSRC3	53	2.66	1.80	1.0	7.0
S9PRSRC3	42	3.07	2.15	1.0	10.0
S10PRSRC3	82	2.40	1.62	1.0	7.0
S11PRSRC3	57	2.63	1.81	1.0	7.0
S12PRSRC3	86	2.74	2.00	1.0	9.0
S13PRSRC3	88	2.45	1.68	1.0	9.0
REPRSRC1	5265	3.82	2.76	1.0	10.0
REPRSRC2	266	5.03	3.11	1.0	10.0
REPRSRC3	15	4.47	2.72	1.0	8.0

Categorical Variable Codes

RwPRSRC1: Private Insurance Plan 1 Source										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		6	279	4	11	69	71	53	40	89
.G=Includes Gov't programs		9					199	98	78	121
.K=Can't ascertain		57	958	3620	2802					
.M=Oth missing			1172			2				1
.Q=Not asked this wv		8222								
.R=RF		6	20	2	3	5	6		2	10
.S=Skip,question not asked	10941	2455	5287	6825	6235	5742	6711	6950	7241	9859
1.R's current/former employ		4740	5396	6754	6270	6022	6721	5690	4844	6552
2.Current S's current/forme		2699	2371	2887	3110	2443	2730	2351	2000	2479
3.R's Union		235	122	162	128	64	57	52	51	46
4.S's Union		156	61	56	58	14	17	15	6	11
5.Former S's Emp/Union						384	413	472	391	344
6.Direct from Insurance Com			653			2510	2483	2234	1977	1862
7.Group		12	783			635	606	512	482	545
8.Insurance Company/Group	1711	977	822	1034	939					
9.Insurance Exchange										
10.Other		68	67	40	22	275	115	42	105	115

Value	w11	w12	w13
.D=DK	74	85	68
.G=Includes Gov't programs	123	151	134
.K=Can't ascertain			
.M=Oth missing	1		62
.Q=Not asked this wv			
.R=RF	3	5	4
.S=Skip,question not asked	9743	9027	10323
1.R's current/former employ	5677	4847	5501
2.Current S's current/forme	2164	1787	2028
3.R's Union	51	40	27
4.S's Union	3	8	7
5.Former S's Emp/Union	331	294	126
6.Direct from Insurance Com	1789	1718	1688
7.Group	501	470	418
8.Insurance Company/Group			
9.Insurance Exchange		231	418
10.Other	94	84	108

SwPRSRC1: Private Insurance Plan 1 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		4	181	2	6	30	20	14	17	32
.G=Includes Gov't programs		7					116	52	40	69
.K=Can't ascertain		46	814	2234	1614					
.M=Oth missing			674			1				
.Q=Not asked this wv		4549								
.R=RF		4	11	1	1	2	2		1	4
.S=Skip,question not asked	8968	1484	2772	3547	3138	2952	3514	3687	3768	5220
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	417	536	311	220	380	317	365	722
1.R's current/former employ		2572	1999	2408	2610	2407	2664	2295	1938	2348
2.Current S's current/forme		3530	3913	4841	4487	4265	4712	3949	3294	4311
3.R's Union		150	50	49	45	11	16	15	4	9
4.S's Union		169	86	128	102	35	28	35	32	24
5.Former S's Emp/Union						14	22	9		
6.Direct from Insurance Com			331			1464	1500	1377	1226	1138
7.Group		10	440			356	330	278	271	304
8.Insurance Company/Group	1311	760	603	748	712					
9.Insurance Exchange										
10.Other		5	43	22	15	102	48	24	55	54

Value	w11	w12	w13
.D=DK	34	37	33
.G=Includes Gov't programs	67	87	64
.K=Can't ascertain			
.M=Oth missing	1		37
.Q=Not asked this wv			
.R=RF	2	3	1
.S=Skip,question not asked	5158	4652	5099
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.R's current/former employ	2051	1677	1696
2.Current S's current/forme	3749	3097	3385
3.R's Union	1	7	4
4.S's Union	29	18	15
5.Former S's Emp/Union	2		
6.Direct from Insurance Com	1071	1020	954
7.Group	275	232	195
8.Insurance Company/Group			
9.Insurance Exchange		138	239
10.Other	48	44	57

RwPRSRC2: Private Insurance Plan 2 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			194			5	13	8	3	8
.G=Includes Gov't programs		8					31	19	8	9
.K=Can't ascertain			61	273	208					
.M=Oth missing			10			3	4			1
.Q=Not asked this wv		8222								
.R=RF		1	14			4	2	3	1	5
.S=Skip,question not asked		10316	16779	21111	18991	17416	19176	17800	16659	21294
1.R's current/former employ		45	364			280	366	286	238	338
2.Current S's current/forme		60	334			217	266	173	119	173
3.R's Union		2	19			6	14	7	5	7
4.S's Union		1	10				3	2		1
5.Former S's Emp/Union						11	21	15	15	22
6.Direct from Insurance Com						130	151	111	124	133
7.Group			127			64	66	44	36	36
8.Insurance Company/Group		987	30		379					
9.Insurance Exchange										
10.Other			49			29	16	1	9	7

Value	w11	w12	w13
.D=DK	9	10	14
.G=Includes Gov't programs	7	7	13
.K=Can't ascertain			
.M=Oth missing			23
.Q=Not asked this wv			
.R=RF	2	5	
.S=Skip,question not asked	19957	18105	20247
1.R's current/former employ	266	287	294
2.Current S's current/forme	129	122	122
3.R's Union	7	7	1
4.S's Union	3		
5.Former S's Emp/Union	14	15	13
6.Direct from Insurance Com	111	136	139
7.Group	42	35	28
8.Insurance Company/Group			
9.Insurance Exchange		12	9
10.Other	7	6	9

SwPRSRC2: Private Insurance Plan 2 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			110			2	7	6	2	3
.G=Includes Gov't programs		7					14	11	4	5
.K=Can't ascertain			53	230	177					
.M=Oth missing			9			2	2			1
.Q=Not asked this wv		4549								
.R=RF			12			2	2	2	1	3
.S=Skip,question not asked		7875	11014	13750	12254	11064	12254	11221	10225	13004
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	417	536	311	220	380	317	365	722
1.R's current/former employ		52	300			215	260	172	115	160
2.Current S's current/forme		37	252			206	277	216	188	235
3.R's Union			9				3	1		1
4.S's Union			12			2	7	4	2	2
5.Former S's Emp/Union						1	4			
6.Direct from Insurance Com						82	97	69	86	83
7.Group			88			42	41	33	17	13
8.Insurance Company/Group		770	25		299					
9.Insurance Exchange										
10.Other			33			21	4		6	3

Value	w11	w12	w13
.D=DK	5	4	11
.G=Includes Gov't programs	4	5	9
.K=Can't ascertain			
.M=Oth missing			14
.Q=Not asked this wv			
.R=RF	2	3	
.S=Skip,question not asked	12084	10579	11357
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.R's current/former employ	122	114	106
2.Current S's current/forme	182	191	184
3.R's Union	3		
4.S's Union	5	2	1
5.Former S's Emp/Union			
6.Direct from Insurance Com	64	83	76
7.Group	17	17	14
8.Insurance Company/Group			
9.Insurance Exchange		9	4
10.Other		5	3

RwPRSRC3: Private Insurance Plan 3 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						2	11	2	5	5
.G=Includes Gov't programs							4			2
.K=Can't ascertain			1							
.M=Oth missing						2				
.Q=Not asked this wv		8222	7027							
.R=RF						4	1			6
.S=Skip,question not asked		11346	10958			18093	20018	18398	17153	21900
1.R's current/former employ						28	54	39	39	79
2.Current S's current/forme						10	14	9	2	18
3.R's Union						1		2		1
5.Former S's Emp/Union						2			2	
6.Direct from Insurance Com						18	21	15	11	17
7.Group						2	6	3	4	4
8.Insurance Company/Group		74	5							
9.Insurance Exchange										
10.Other						3		1	1	2

Value	w11	w12	w13
.D=DK	5	4	4
.G=Includes Gov't programs	3		4
.K=Can't ascertain			
.M=Oth missing			7
.Q=Not asked this wv			
.R=RF	3	4	
.S=Skip,question not asked	20459	18613	20752
1.R's current/former employ	54	83	102
2.Current S's current/forme	14	17	18
3.R's Union			2
5.Former S's Emp/Union	3	1	1
6.Direct from Insurance Com	12	20	17
7.Group	1	3	
8.Insurance Company/Group			
9.Insurance Exchange		2	4
10.Other			1

SwPRSRC3: Private Insurance Plan 3 Source

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK						1	6	1	3	2
.G=Includes Gov't programs							4			
.K=Can't ascertain			1							
.M=Oth missing						1				
.Q=Not asked this wv		4549	3704							
.R=RF						2	1			4
.S=Skip,question not asked		8686	8304		11586	12894	11681	10601	13425	
.U=Unmarried		5968	5657		6306	6777	6417	6206	7799	
.V=Spouse NR		384	322		220	380	317	365	722	
1.R's current/former employ					10	14	9	2	17	
2.Current S's current/forme					21	38	33	30	53	
4.S's Union							1			
5.Former S's Emp/Union					1					
6.Direct from Insurance Com					13	12	8	6	10	
7.Group					1	3	2	3	2	
8.Insurance Company/Group		55	3							
9.Insurance Exchange										
10.Other						3			1	

Value	w11	w12	w13
.D=DK	2	2	3
.G=Includes Gov't programs	1		1
.K=Can't ascertain			
.M=Oth missing			4
.Q=Not asked this wv			
.R=RF	3		
.S=Skip,question not asked	12425	10924	11683
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.R's current/former employ	12	16	14
2.Current S's current/forme	33	52	61
4.S's Union			2
5.Former S's Emp/Union	1		
6.Direct from Insurance Com	10	14	9
7.Group	1	2	
8.Insurance Company/Group			
9.Insurance Exchange		2	2
10.Other			

 REPRSRC1: EXIT Private Insurance Plan 1 Source

Value	
.D=DK	225
.G=Includes Gov't programs	170
.K=Can't Ascertain	898
.R=RF	33
.S=Skip	7674
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1.R's current/former employ	1866
2.Current S's current/forme	803
3.R's Union	73
4.S's Union	18
5.Former S's Emp/Union	353
6.Direct from Insurance Com	1305
7.Group	467
8.Insurance Company/Group	151
9.Insurance Exchange	12
10.Other	217

 REPRSRC2: EXIT Private Insurance Plan 2 Source

Value	
.D=DK	9
.G=Includes Gov't programs	14
.K=Can't Ascertain	32
.S=Skip	12105
.X=No more plans	1839
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1.R's current/former employ	67
2.Current S's current/forme	28
3.R's Union	3
4.S's Union	2
5.Former S's Emp/Union	10
6.Direct from Insurance Com	72
7.Group	20
8.Insurance Company/Group	32
9.Insurance Exchange	1
10.Other	31

 REPRSRC3: EXIT Private Insurance Plan 3 Source

Value	
.D=DK	2
.G=Includes Gov't programs	1
.Q=Not asked this wv	3552
.S=Skip	10602
.X=No more plans	93
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1.R's current/former employ	4
2.Current S's current/forme	2
6.Direct from Insurance Com	5
7.Group	3
8.Insurance Company/Group	1

How Constructed

Core Interview Variables

RwPRSRC1, RwPRSRC2, and RwPRSRC3 indicate the source of the Respondent's private health insurance plan(s). These correspond with the plan listed in premium variables RwPRPRM1, RwPRPRM2, and RwPRPRM3. SwPRSRC1, SwPRSRC2, and SwPRSRC3 provide the information for the Respondent's spouse or partner.

In Waves 1 to 5, Respondents are asked about their private health insurance plans by type of plan (employer-provided, supplemental, purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

In Wave 2H, for employer-provided health insurance, the source of the plan is not asked if (1) a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1, and (2) if the Respondent indicates that s/he is still covered by that source. In this instance, source is coded from the Respondent's Wave 1 answers.

From Wave 6 on, Respondents are asked about their three most important private health insurance plans. The source is ascertained through a series of questions.

Exit Interview Variables

REPRSRC1, REPRSRC2, and REPRSRC3 indicate the source of the Respondent's private health insurance plan(s) at time of death. These correspond with the plans listed in premium variables REPRPRM1, REPRPRM2, and REPRPRM3.

In Waves 2H to 5, proxies are asked about the Respondent's private health insurance plans by type of plan (employer-provided, supplemental, purchased directly from an insurance company or group). The wording of these questions varies by wave and not all waves ask about all types separately.

In Wave 2H, for employer-provided health insurance, the source of the plan is not asked if (1) a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1, and (2) if the proxy indicates that the Respondent was still covered by that source at time of death. In this instance, source is coded from the Respondent's Wave 1 answers.

From Wave 6 on, proxies are asked about the Respondent's three most important private health insurance plans. The source is ascertained through a series of questions.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent about the Financial Respondent's insurance coverage and, if married, their spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, Respondents are asked, "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" If R1PRPM1 is not equal to .S (skipped), then R1PRSRC1 is set to "Direct from Insurance Company/Group," since this is the only source where premium amount is asked. Since there are no questions about the second or third premium or about employer-provided insurance premiums, there are no second or third source variables in Wave 1.

In Wave 2A, questions about private health insurance do not include any information about the source of the coverage. So for the AHEAD Respondents, if R2PRPM1 is not equal to .S (skipped) then R2PRSRC1 is set to .Q, to indicate the question was not asked.

In Wave 2H, the Respondent is asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group separately.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked: "According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?" If yes, no further questions on source of insurance are asked and source is coded from the Respondent's Wave 1 answers.

If the Respondent is the Financial Respondent in Wave 2H and says the pre-loaded information is incorrect, a follow-up question asks for a corrected source of insurance at the last interview and whether the Respondent is still covered. If the Respondent was not the Financial Respondent in Wave 1 and says the pre-loaded information is incorrect, or if the Respondent (Financial Respondent or not) responds with any answer except "yes," the Respondent is asked, "Thinking about (this/the first/the second) plan, how is this coverage obtained?"

In Wave 2H, the Respondent is then asked separately about plans purchased directly from an insurance company or group and supplemental plans purchased directly from an insurance company or group. If the corresponding premium variable R2PRPMx is not equal to .S (skipped), then R2PRSRCx is set to "Direct from Insurance Company/Group," where "x" indicates the plan number 1 through 3. The one exception is for Respondents who list a Government plan under the supplemental plan question. In this case, R2PRPMx and R2PRSRCx are set to .G to indicate a Government (not private) health care plan.

In Wave 3A, if the Respondent indicates having one private health insurance plan, s/he is asked about that plan. If the Respondent indicates having more than one private health insurance plan, s/he is asked about the first plan first, then about all other plans combined. For each round, the Respondent is asked, "How did you obtain this type of health insurance coverage? Was it through your (or your husband's/or your wife's/or your partner's) employer or union, or through an organization or what?" Respondents can list up to three sources. The first source listed is coded as R3PRSRCx, where "x" indicates the plan number, 1 to 3.

In Wave 3A, there was an error in a skip pattern: if the Respondent listed one private plan, the follow-up questions on source and premium amount were skipped. This issue affected 1,172 Respondents before it was discovered and fixed. For these individuals, the premium variable is coded as .M for other missing.

In Waves 3H, 4, and 5, the Respondent is separately asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group.

For employer-provided plans, if a Respondent indicates having an employer-provided plan, then s/he is asked, "Do you obtain this health insurance through your (or your husband/wife/partner's) current employer, former employer or union, or from someplace else?"

The Respondent is then asked about supplemental plans. The source for supplemental plans cannot be ascertained in Wave 3H and is coded as .K to indicate that the Respondent has a plan but the source is unknown. The Respondent is then asked about plans purchased directly from an insurance company or group. If the corresponding premium variable `RwPRPRMx` is not equal to .S (skipped), then `RwPRSRCx` is set to "Direct from Insurance Company/Group," where x indicates the plan number 1 through 3.

From Wave 6 forward, Respondents are asked about their three most important private health insurance plans. The source is ascertained through a series of questions. The Respondent is asked the questions in order until the source is ascertained. `RwPRSRCx` is coded based on the Respondent's answers to the source questions, where "x" indicates the plan number 1 through 3.

First, if the Respondent currently works for pay, s/he is asked, "Do you obtain this health insurance through your (own business or professional organization/current employer)?"

Next, the Respondent is asked, "Do you obtain this health insurance through a former employer of yours?" If the Respondent is married or partnered, the next set of questions ask, "Do you obtain this health insurance through your (husband/wife/partner)'s current employer?" and then, "Do you obtain this health insurance through your (husband/wife/partner)'s former employer?"

The final source question asks, "Did you purchase this plan directly from an insurance company, through your (or your (husband/wife/partner)'s/or your) union, through a group such as AARP, a church, or other organization, or what?" Some individuals list a federal, state, or military plan source for this question. In this case, the source variable is set to .G to indicate a Government (not private) health care plan.

In Wave 12, a new option to the final source question is added: "through an insurance exchange."

Beginning in Wave 13, a preload lists the source of the plan the Respondent listed last interview. If the Respondent indicates that this is the same plan and source, the source plan questions are skipped and the source is taken from the preload.

Exit Interview Variables

In Wave 2H, the proxy is asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group separately.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked: "According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?" If yes, no further questions on source of insurance are asked and source is coded from the Respondent's Wave 1 answers. Note that in Wave 2H, there is no separately worded survey for the proxy.

In Wave 2H, the proxy is then asked separately about plans purchased directly from an insurance company or group and supplemental plans purchased directly from an insurance company or group. If the corresponding premium variable `REPRPRMx` is not equal to .S (skipped), then `REPRSRCx` is set to "Direct from Insurance Company/Group," where "x" indicates the plan number 1 through 3. The one exception is for Respondents who had a government plan under the supplemental plan question. In this case, `REPRPRMx` and `REPRSRCx` are set to .G to indicate a government (not private) health care plan.

In Wave 3A, if the Respondent had one private health insurance plan, the proxy is asked about that plan. If the Respondent had more than one private health insurance plan, the proxy is asked about the first plan first, then about all other plans combined. For each round, the proxy is asked, "How did (he/she) obtain this type of health insurance coverage? Was it through (his/her) (or his/her husband's/or his/her wife's/or his/her partner's/...) employer or union, or through an organization or what?" The proxy can list up to three sources. The first source listed is coded as `REPRSRCx`, where "x" indicates the plan number, 1 to 3.

In Waves 3H, 4, and 5, the proxy is separately asked about employer-provided plans, other/supplemental plans, and plans purchased directly from an insurance company or group.

For employer-provided plans, if a Respondent had an employer-provided plan, then the proxy is asked, "Was it through (his/her) (or his/her husband's/or his/her wife's/or his/her partner's/...) employer or union, or through an organization or what?"

The proxy is then asked about supplemental plans. The source for supplemental plans cannot be ascertained in Wave 4 and is coded as .K to indicate that the Respondent had a plan but the source is unknown. The proxy is then asked about plans purchased directly from an insurance company or group. If the corresponding premium variable REPRPRMx is not equal to .S (skipped), then REPRSRCx is set to "Direct from Insurance Company/Group," where x indicates the plan number 1 through 3.

From Wave 6 forward, the proxy is asked about the Respondent's three most important private health insurance plans at time of death. The source is ascertained through a series of questions. The proxy is asked the questions in order until the source is ascertained. REPRSRCx is coded based on the proxy's answers to the source questions, where "x" indicates the plan number 1 through 3.

First, if the Respondent worked for pay, the proxy is asked, "Did [she/he] obtain this health insurance through [her/his] own business or an employer?"

Next, the proxy is asked, "Did [he/she] obtain this health insurance through a former employer of [his/hers]?" If the Respondent was married or partnered, the next set of questions ask, "Did [he/she] obtain this health insurance through [your/[his/her former] [husband's/wife's/partner's]] current employer?" and then, "Did [he/she] obtain this health insurance through [your/[his/her former] [husband's/wife's/partner's]] former employer?"

The final source question asks, "Did [she/he] purchase this plan directly from an insurance company, through [her/his] /husband/wife/partner's] union, through a group such as AARP, a church, or other organization, or what?" Some proxies list a federal, state, or military plan source for this question. In this case, the source variable is set to .G to indicate a government (not private) health care plan.

Beginning in Wave 12, a new option to the final source question is added: "through an insurance exchange." This option was not available in prior waves.

HRS Variables Used

Core Interview Variables

HRS 1992:	
V6616	R4:R1EMP:#1:HOW OBTAINED
V6816	R27:R2EMP:#1:HOW OBTAINED
VP6632	R14:COV FRM INS CO:IMP/ Sp-Prtnr
VR6632	R14:COV FRM INS CO:IMP/ Self
HRS 1994:	
W6705	R2-1.COVERED BY SAME POL
W6706	R2a-1.WHO PROVIDED HEALT
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6709	R2-2b.STILL COVERED BY S
W6724	R4.CURRENT HEALTH INS FR
W6726	P1. R5.HOW OBTAINED
W6740	P2. R5.HOW OBTAINED
W6754	R14.INSURANCE FROM COMPA
W6757	R14b.SUPPLEMENTARY HEALT
AHEAD 1995:	
D5214	R9. OTHER HEALTH INSURANCE
D5215	R9A.# OTHER HEALTH INS
D5225M1	R10D-1. HOW OBTAIN OTHER HMO-1
D5225M2	R10D-2. HOW OBTAIN OTHER HMO-1
D5242M1	R11D-1. HOW OBTAIN OTHER HMO-1
D5242M2	R11D-2. HOW OBTAIN OTHER HMO-1

HRS 1996:
 E5157 R12B.CHECKPOINT
 E5161 R14.NUMBER OF EMPLOYER PROVIDED PLANS
 E5163_1 R15.HOW OBTAIN INSURANCE
 E5163_2 R15.HOW OBTAIN INSURANCE
 E5218 R48.ANY OTHER HEALTH INSUR
 HRS 1998:
 F5894 R14.NUMBER OF PLANS
 F5896 R15.HOW OBTAIN INSURANCE
 F5938 R46.OTHER INSURANCE
 F5950 R48.ANY OTHER HEALTH INSUR
 HRS 2000:
 G6266 R13.ANY INSURANCE THRU AN EMPLOYER
 G6269 R15.HOW OBTAIN INSURANCE
 G6312 R46.OTHER INSURANCE
 G6324 R48.ANY HEALTH INSUR
 G6325 R48B.ANY OTHER PURCHASED HEALTH INS
 HRS 2016:
 PN280_1 NAME PRIVATE HEALTH INSURANCE PLAN -1
 PN280_2 NAME PRIVATE HEALTH INSURANCE PLAN -2
 PN280_3 NAME PRIVATE HEALTH INSURANCE PLAN -3
 PN485_1 WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
 PN485_2 WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
 PN485_3 WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
 PZ553_1 PRIVATE INSURANCE PLAN SOURCE - 1
 PZ553_2 PRIVATE INSURANCE PLAN SOURCE - 2
 PZ553_3 PRIVATE INSURANCE PLAN SOURCE - 3
 HRS 2002-2016:
 xN023 NUM PRIVATE HEALTH INS PLANS
 xN033_1 OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
 xN033_2 OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
 xN033_3 OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
 xN034_1 OBTAIN INS THRU FORMER EMPLOYER- 1
 xN034_2 OBTAIN INS THRU FORMER EMPLOYER- 2
 xN034_3 OBTAIN INS THRU FORMER EMPLOYER- 3
 xN035_1 OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
 xN035_2 OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
 xN035_3 OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
 xN036_1 OBTAIN INS THRU HWP FORMER EMPLOYER- 1
 xN036_2 OBTAIN INS THRU HWP FORMER EMPLOYER- 2
 xN036_3 OBTAIN INS THRU HWP FORMER EMPLOYER- 3
 xN037_1 WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
 xN037_2 WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
 xN037_3 WHERE PURCHASE PRIVATE PLAN INSURANCE- 3

Exit Interview Variables

HRS 1992:
 V6616 R4:R1EMP:#1:HOW OBTAINED
 V6816 R27:R2EMP:#1:HOW OBTAINED
 VP6632 R14:COV FRM INS CO:IMP/ Sp-Prtnr
 VR6632 R14:COV FRM INS CO:IMP/ Self
 HRS 1994:
 W6705 R2-1.COVERED BY SAME POL
 W6706 R2a-1.WHO PROVIDED HEALT
 W6707 R2b-1.STILL COVERED BY W
 W6708 R2-2a.STILL COVERED BY S
 W6709 R2-2b.STILL COVERED BY S

W6724	R4.CURRENT HEALTH INS FR
W6726	P1. R5.HOW OBTAINED
W6740	P2. R5.HOW OBTAINED
W6754	R14.INSURANCE FROM COMPA
W6757	R14b.SUPPLEMENTARY HEALT
AHEAD 1995:	
D5214	R9. OTHER HEALTH INSURANCE
D5215	R9A.# OTHER HEALTH INS
D5225M1	R10D-1. HOW OBTAIN OTHER HMO-1
D5225M2	R10D-2. HOW OBTAIN OTHER HMO-1
D5242M1	R11D-1. HOW OBTAIN OTHER HMO-1
D5242M2	R11D-2. HOW OBTAIN OTHER HMO-1
HRS 1996:	
E5157	R12B.CHECKPOINT
E5161	R14.NUMBER OF EMPLOYER PROVIDED PLANS
E5163_1	R15.HOW OBTAIN INSURANCE
E5163_2	R15.HOW OBTAIN INSURANCE
E5218	R48.ANY OTHER HEALTH INSUR
HRS 1998:	
F5894	R14.NUMBER OF PLANS
F5896	R15.HOW OBTAIN INSURANCE
F5938	R46.OTHER INSURANCE
F5950	R48.ANY OTHER HEALTH INSUR
HRS 2000:	
G6266	R13.ANY INSURANCE THRU AN EMPLOYER
G6269	R15.HOW OBTAIN INSURANCE
G6312	R46.OTHER INSURANCE
G6324	R48.ANY HEALTH INSUR
G6325	R48B.ANY OTHER PURCHASED HEALTH INS
HRS 2016:	
PN280_1	NAME PRIVATE HEALTH INSURANCE PLAN -1
PN280_2	NAME PRIVATE HEALTH INSURANCE PLAN -2
PN280_3	NAME PRIVATE HEALTH INSURANCE PLAN -3
PN485_1	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
PN485_2	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
PN485_3	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
PZ553_1	PRIVATE INSURANCE PLAN SOURCE - 1
PZ553_2	PRIVATE INSURANCE PLAN SOURCE - 2
PZ553_3	PRIVATE INSURANCE PLAN SOURCE - 3
HRS 2002-2016:	
xN023	NUM PRIVATE HEALTH INS PLANS
xN033_1	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
xN033_2	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
xN033_3	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
xN034_1	OBTAIN INS THRU FORMER EMPLOYER- 1
xN034_2	OBTAIN INS THRU FORMER EMPLOYER- 2
xN034_3	OBTAIN INS THRU FORMER EMPLOYER- 3
xN035_1	OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
xN035_2	OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
xN035_3	OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
xN036_1	OBTAIN INS THRU HWP FORMER EMPLOYER- 1
xN036_2	OBTAIN INS THRU HWP FORMER EMPLOYER- 2
xN036_3	OBTAIN INS THRU HWP FORMER EMPLOYER- 3
xN037_1	WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
xN037_2	WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
xN037_3	WHERE PURCHASE PRIVATE PLAN INSURANCE- 3

Covered by health insurance from a current or previous employer
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Wave	Variable	Label	Type
1	R1COVR	R1COVR:W1 R covered by R empl plan	Categ
2	R2COVR	R2COVR:W2 R covered by R empl plan	Categ
3	R3COVR	R3COVR:W3 R covered by R empl plan	Categ
4	R4COVR	R4COVR:W4 R covered by R empl plan	Categ
5	R5COVR	R5COVR:W5 R covered by R empl plan	Categ
6	R6COVR	R6COVR:W6 R covered by R empl plan	Categ
7	R7COVR	R7COVR:W7 R covered by R empl plan	Categ
8	R8COVR	R8COVR:W8 R covered by R empl plan	Categ
9	R9COVR	R9COVR:W9 R covered by R empl plan	Categ
10	R10COVR	R10COVR:W10 R covered by R empl plan	Categ
11	R11COVR	R11COVR:W11 R covered by R empl plan	Categ
12	R12COVR	R12COVR:W12 R covered by R empl plan	Categ
13	R13COVR	R13COVR:W13 R covered by R empl plan	Categ
1	S1COVR	S1COVR:W1 S covered by R empl plan	Categ
2	S2COVR	S2COVR:W2 S covered by R empl plan	Categ
3	S3COVR	S3COVR:W3 S covered by R empl plan	Categ
4	S4COVR	S4COVR:W4 S covered by R empl plan	Categ
5	S5COVR	S5COVR:W5 S covered by R empl plan	Categ
6	S6COVR	S6COVR:W6 S covered by R empl plan	Categ
7	S7COVR	S7COVR:W7 S covered by R empl plan	Categ
8	S8COVR	S8COVR:W8 S covered by R empl plan	Categ
9	S9COVR	S9COVR:W9 S covered by R empl plan	Categ
10	S10COVR	S10COVR:W10 S covered by R empl plan	Categ
11	S11COVR	S11COVR:W11 S covered by R empl plan	Categ
12	S12COVR	S12COVR:W12 S covered by R empl plan	Categ
13	S13COVR	S13COVR:W13 S covered by R empl plan	Categ
1	R1COVS	R1COVS:W1 R covered by S empl plan	Categ
2	R2COVS	R2COVS:W2 R covered by S empl plan	Categ
3	R3COVS	R3COVS:W3 R covered by S empl plan	Categ
4	R4COVS	R4COVS:W4 R covered by S empl plan	Categ
5	R5COVS	R5COVS:W5 R covered by S empl plan	Categ
6	R6COVS	R6COVS:W6 R covered by S empl plan	Categ
7	R7COVS	R7COVS:W7 R covered by S empl plan	Categ
8	R8COVS	R8COVS:W8 R covered by S empl plan	Categ
9	R9COVS	R9COVS:W9 R covered by S empl plan	Categ
10	R10COVS	R10COVS:W10 R covered by S empl plan	Categ
11	R11COVS	R11COVS:W11 R covered by S empl plan	Categ
12	R12COVS	R12COVS:W12 R covered by S empl plan	Categ
13	R13COVS	R13COVS:W13 R covered by S empl plan	Categ
1	S1COVS	S1COVS:W1 S covered by S empl plan	Categ
2	S2COVS	S2COVS:W2 S covered by S empl plan	Categ
3	S3COVS	S3COVS:W3 S covered by S empl plan	Categ
4	S4COVS	S4COVS:W4 S covered by S empl plan	Categ
5	S5COVS	S5COVS:W5 S covered by S empl plan	Categ
6	S6COVS	S6COVS:W6 S covered by S empl plan	Categ
7	S7COVS	S7COVS:W7 S covered by S empl plan	Categ
8	S8COVS	S8COVS:W8 S covered by S empl plan	Categ
9	S9COVS	S9COVS:W9 S covered by S empl plan	Categ
10	S10COVS	S10COVS:W10 S covered by S empl plan	Categ
11	S11COVS	S11COVS:W11 S covered by S empl plan	Categ
12	S12COVS	S12COVS:W12 S covered by S empl plan	Categ
13	S13COVS	S13COVS:W13 S covered by S empl plan	Categ
E	RECOVR	RECOVR:EXIT R covered by R empl plan	Categ
E	RECOVS	RECOVS:EXIT R covered by S empl plan	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1COVR	12464	0.46	0.50	0.0	1.0
R2COVR	11341	0.44	0.50	0.0	1.0
R3COVR	16010	0.37	0.48	0.0	1.0
R4COVR	20687	0.35	0.48	0.0	1.0
R5COVR	19446	0.34	0.48	0.0	1.0
R6COVR	17959	0.34	0.47	0.0	1.0
R7COVR	19931	0.35	0.48	0.0	1.0
R8COVR	18301	0.32	0.47	0.0	1.0
R9COVR	17049	0.29	0.45	0.0	1.0
R10COVR	21481	0.31	0.46	0.0	1.0
R11COVR	20249	0.29	0.45	0.0	1.0
R12COVR	18408	0.27	0.44	0.0	1.0
R13COVR	20486	0.27	0.45	0.0	1.0
S1COVR	10167	0.33	0.47	0.0	1.0
S2COVR	8701	0.32	0.47	0.0	1.0
S3COVR	11065	0.24	0.42	0.0	1.0
S4COVR	13886	0.22	0.42	0.0	1.0
S5COVR	12787	0.24	0.43	0.0	1.0
S6COVR	11656	0.23	0.42	0.0	1.0
S7COVR	13081	0.23	0.42	0.0	1.0
S8COVR	11801	0.21	0.41	0.0	1.0
S9COVR	10711	0.20	0.40	0.0	1.0
S10COVR	13574	0.20	0.40	0.0	1.0
S11COVR	12568	0.18	0.38	0.0	1.0
S12COVR	11098	0.17	0.38	0.0	1.0
S13COVR	11884	0.16	0.37	0.0	1.0
R1COVS	12465	0.27	0.44	0.0	1.0
R2COVS	11343	0.26	0.44	0.0	1.0
R3COVS	16226	0.18	0.39	0.0	1.0
R4COVS	20953	0.17	0.37	0.0	1.0
R5COVS	19461	0.18	0.38	0.0	1.0
R6COVS	17972	0.17	0.37	0.0	1.0
R7COVS	19938	0.17	0.38	0.0	1.0
R8COVS	18325	0.16	0.37	0.0	1.0
R9COVS	17067	0.15	0.35	0.0	1.0
R10COVS	21529	0.14	0.35	0.0	1.0
R11COVS	20272	0.13	0.33	0.0	1.0
R12COVS	18440	0.12	0.32	0.0	1.0
R13COVS	20520	0.11	0.31	0.0	1.0
S1COVS	10166	0.45	0.50	0.0	1.0
S2COVS	8699	0.43	0.50	0.0	1.0
S3COVS	10708	0.40	0.49	0.0	1.0
S4COVS	13450	0.39	0.49	0.0	1.0
S5COVS	12670	0.38	0.49	0.0	1.0
S6COVS	11545	0.38	0.48	0.0	1.0
S7COVS	12901	0.37	0.48	0.0	1.0
S8COVS	11667	0.35	0.48	0.0	1.0
S9COVS	10571	0.32	0.47	0.0	1.0
S10COVS	13253	0.33	0.47	0.0	1.0
S11COVS	12358	0.31	0.46	0.0	1.0
S12COVS	10856	0.29	0.45	0.0	1.0
S13COVS	11601	0.30	0.46	0.0	1.0

RECOVR	12799	0.16	0.37	0.0	1.0
RECOVS	12790	0.10	0.30	0.0	1.0

Categorical Variable Codes

RwCOVR: R covered by R empl plan											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	|	11	36	439	590	36					
.D=DK	|			46			66	69	66	85	144
.E=Cov,DK whether by emplyr	|			1401			83	87	72	50	118
.M=Oth missing	|	95	43	78	107	96	14	18	15	17	251
.Q=Not asked this wv	|		8222								
.R=RF	|			17			43	24	15	16	40
.T=Cov by oth,maybe ex-spou	|	82									
0.No	|	6673	6323	10107	13378	12738	11786	13048	12493	12096	14809
1.Yes	|	5791	5018	5903	7309	6708	6173	6883	5808	4953	6672
Value		w11	w12	w13							
.C=Cov,DK by whose emplyr	|										
.D=DK	|	130	142	147							
.E=Cov,DK whether by emplyr	|	90	104	96							
.M=Oth missing	|	49	48	129							
.Q=Not asked this wv	|										
.R=RF	|	36	45	54							
.T=Cov by oth,maybe ex-spou	|										
0.No	|	14472	13461	14891							
1.Yes	|	5777	4947	5595							
SwCOVR: S covered by R empl plan											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	|	6	25	158	236	17					
.D=DK	|			12			19	19	25	21	38
.E=Cov,DK whether by emplyr	|			795			30	24	15	20	33
.M=Oth missing	|	98	15	18	28	28	3	1	3	3	121
.Q=Not asked this wv	|		4549								
.R=RF	|			4			22	12	5	9	13
.T=Cov by oth,maybe ex-spou	|	8									
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		384	282	366	209	129	215	203	247	456
0.No	|	6782	5905	8452	10792	9721	9004	10080	9282	8604	10911
1.Yes	|	3385	2796	2613	3094	3066	2652	3001	2519	2107	2663
Value		w11	w12	w13							
.C=Cov,DK by whose emplyr	|										
.D=DK	|	51	57	60							
.E=Cov,DK whether by emplyr	|	38	34	36							
.M=Oth missing	|	6	12	30							
.Q=Not asked this wv	|										
.R=RF	|	12	15	23							
.T=Cov by oth,maybe ex-spou	|										
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	405	406	855							
0.No	|	10306	9214	9974							
1.Yes	|	2262	1884	1910							

RwCOVS: R covered by S empl plan

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	9	36	218	330	31					
.D=DK			33			64	63	59	69	130
.E=Cov,DK whether by emplyr			1421			82	91	57	50	110
.M=Oth missing	98	41	77	101	86	12	17	15	16	230
.Q=Not asked this wv		8222								
.R=RF			16			35	20	13	15	35
.T=Cov by oth,maybe ex-spou	80									
0.No	9108	8406	13276	17478	15947	14947	16557	15348	14558	18530
1.Yes	3357	2937	2950	3475	3514	3025	3381	2977	2509	2999

Value	w11	w12	w13
.C=Cov,DK by whose emplyr			
.D=DK	121	127	139
.E=Cov,DK whether by emplyr	84	96	83
.M=Oth missing	44	45	120
.Q=Not asked this wv			
.R=RF	33	39	50
.T=Cov by oth,maybe ex-spou			
0.No	17662	16244	18265
1.Yes	2610	2196	2255

SwCOVS: S covered by S empl plan

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	10	25	379	496	22					
.D=DK			22			21	25	32	37	52
.E=Cov,DK whether by emplyr			781			38	28	26	24	48
.M=Oth missing	95	17	22	34	38	5	2	3	4	142
.Q=Not asked this wv		4549								
.R=RF			5			30	16	7	10	18
.T=Cov by oth,maybe ex-spou	8									
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	417	536	311	220	380	317	365	722
0.No	5574	4963	6390	8175	7836	7177	8078	7628	7199	8858
1.Yes	4592	3736	4318	5275	4834	4368	4823	4039	3372	4395

Value	w11	w12	w13
.C=Cov,DK by whose emplyr			
.D=DK	60	72	68
.E=Cov,DK whether by emplyr	44	48	44
.M=Oth missing	11	15	39
.Q=Not asked this wv			
.R=RF	15	21	27
.T=Cov by oth,maybe ex-spou			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	8542	7696	8145
1.Yes	3816	3160	3456

RECOVER: EXIT R covered by R empl plan

Value	
.C=Cov,DK by whose emplyr	388
.D=DK	573
.E=Cov,DK whether by emplyr	457
.M=Oth missing	25
.R=RF	23
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	10732
1.Yes	2067

RECOVS: EXIT R covered by S empl plan

Value	
.C=Cov,DK by whose emplyr	388
.D=DK	573
.E=Cov,DK whether by emplyr	466
.M=Oth missing	25
.R=RF	23
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	11525
1.Yes	1265

How Constructed

Core Interview Variables

RwCOVR indicates whether the Respondent is covered by health insurance from her/his current or previous employer. SwCOVR indicates whether the Respondent's spouse or partner is covered by the Respondent's employer. RwCOVS indicates whether the Respondent is covered by her/his spouse's employer. SwCOVS indicates whether the Respondent's spouse is covered by the spouse's employer.

If the Respondent says s/he is covered by employer-provided health insurance, then the source of that insurance is checked. If the source of any plan that covers the Respondent is the Respondent's current or previous employer, the Respondent's union, or through the Respondent's self-employment then RwCOVR is set to "yes." If the source of any plan that covers the Respondent is the spouse's current or previous employer or the spouse's union, then RwCOVS is set to "yes."

In Wave 1, the Financial Respondent answers all questions. These are adjusted as appropriate for the non-Financial Respondent. The source of insurance in this wave could be given as other, including deceased or ex-spouse. Because of the ambiguity of this code, if this is the only information available, RwCOVR and RwCOVS are set to .T, covered by other insurance including the possibility of an ex-spouse. In Versions prior to G, these cases were treated as missing source of coverage (.C).

In Wave 2H, the source of the plan is not asked if a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1 and if the Respondent indicates that s/he is still covered by that source. The HRS documentation indicates that the preloaded value is taken from specific Wave 1 variables. In these cases, the Wave 1 variable is used to determine whether the plan that continues to cover the Respondent in Wave 2 is the Respondent's or the spouse's plan. If it is the Respondent's plan, then RwCOVR is set to "yes." If it is the spouse's plan, then RwCOVS is set to "yes."

If the preloaded value does not indicate Wave 1 coverage or if the Respondent does not say s/he is still covered by that source,

then questions similar to the Wave 1 questions are asked, and if the source of any plan that covers the Respondent is the Respondent's current or previous employer, union, or own business, then `RwCOVR` is set to "yes." If the source of any plan that covers the Respondent is the spouse's current or previous employer, or union, then `RwCOVS` is set to "yes."

In Wave 2A, questions about non-government health insurance do not include any information about the source of the coverage. So for the AHEAD Respondents, `R2COVR`, `R2COVS`, and `R2COVRT` are set to .Q, to indicate that no information is available.

From Wave 3 forward, the questions do not depend on answers given in previous waves. In Wave 3A, a question asks if the Respondent is covered by any non-government health plan besides long-term care insurance. If any source of insurance is unknown, and none of the sources indicate the Respondent's employer, then `RwCOVR` is set to .E, which means the Respondent is covered by health insurance, but it is unknown whether the source is an employer. Similarly, if any source is unknown, and none are the Respondent's spouse's employer `RwCOVS` is set to special missing code .E. Note that there were a large number of cases that skipped the questions about source of insurance, but had indicated that they had some insurance, and are now assigned .E. If no source is unknown, and none of the sources indicate the Respondent and the Respondent's spouse's employer, then `RwCOVR` and `RwCOVS` are set to "no," respectively.

In Waves 3H, 4 and 5, a question asks if the Respondent is covered by any employer-provided health insurance, or if self-employed, through the business. If no health insurance is reported in these questions, `RwCOVR` and `RwCOVS` are set to "no." If the Respondent reports having health insurance, the source-of-insurance questions are checked and `RwCOVR` is set to "yes" if the source is the Respondent's current or previous employer, or union. If the Respondent is self-employed and has health insurance through the business, then `RwCOVR` is set to "yes." `RwCOVS` is set to "yes" if the source is the spouse's current or previous employer, or union.

In Waves 3H and from Wave 4 forward, if the only source of coverage is the spouse's employer (current or previous) or union, then `RwCOVR` is set to "no." If the only source of coverage is the Respondent's employer (current or previous), union, or self-employment, then `RwCOVS` is set to "no." Otherwise if any source of coverage is "other," "don't know," or "refuse," then `RwCOVR` and `RwCOVS` are set to special missing .C, covered but don't know the source. This happens most often for self-employed Respondents in Waves 3H and 4 who did not have insurance through the business, but did through an employer. In Wave 3H and from Wave 4 on, if `RwCOVS` is .C and the spouse of the Respondent indicates whether or not the Respondent is covered by her/his (the spouse's) employer-provided insurance, then `RwCOVS` is set according to the spouse information.

Beginning in Wave 6, separate questions asked about particular sources of employer-provided health insurance for up to three plans. `RwCOVR` is set to "yes" if the source is the Respondent's current or previous employer, or union for any of the three plans. `RwCOVS` is set to "yes" if the source is the spouse's current or previous employer, or union for any of the three plans. The self-employed are no longer asked this question separately; it is combined with current employer. There is no single question about whether the Respondent has any employer-provided insurance as there is in other waves. If the number of insurance plans is more than zero, but no source is provided in any of the questions, then we know that the Respondent has some health insurance, but we don't know if is provided by an employer. These cases are coded .E, for covered by health insurance but unknown whether it is employer-provided. Note that in Versions prior to G, these cases were coded .C, covered but unknown by whose employer.

Because questions are skipped based on the Respondent's marital status in Waves 6 and 7, spouse's current or previous employer is not directly asked as the source if the Respondent is not married/partnered. In prior waves, there is no such limitation, and some reported a spouse's employer as the source of insurance even when not married. In the early releases of 2002 and 2004 data, many specified the source of insurance as other. In the final releases, HRS has recoded based on interviewer notes to indicate a former or deceased spouse's employer as the source when appropriate. Thus `R6COVS` and `R7COVS` may be lower than in other waves simply due to the skip pattern, but is significantly improved over those based on the early release data. From Wave 8 forward, this was changed so that ever-married single Respondents are asked if the source of insurance is from a former spouse's current or previous employer.

`S1COVR` and `S1COVS` for Wave 1 are taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then `S1COVR` and `S1COVS` are the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then `S1COVR` and `S1COVS` are the Financial Respondent's information.

From Wave 2 on, `SwCOVR` is taken from the spouse's self-reported `RwCOVS` variable (Respondent covered by spouse's plan), if available. `SwCOVS` is taken from the spouse's self-reported `RwCOVR` variable. For Wave 3H and from Wave 4 on, if the spouse's self-report is not available or missing, the question about coverage of others besides the Respondent is used to determine if the

Respondent's spouse is covered by the Respondent's plan; if so, then SwCOVR is set to yes.

Please see "Plan specific employer-provided health insurance: Source of insurance and who is covered" for information on individual plans reported.

Exit Interview Variables

RECOVR indicates whether the Respondent was covered by an employer or previous employer's health insurance plan at the time of death. RECOVS indicates whether the Respondent was covered by a spouse or ex-spouse's employer's or previous employer's health insurance plan at time of death.

If the proxy indicates Respondent was covered by employer-provided health insurance, then the source of that insurance is checked. If the source of any plan that covers the Respondent was the Respondent's current or previous employer, the Respondent's union, or through the Respondent's self-employment then RECOVR is set to "Yes." If the source of any plan that covers the Respondent was the spouse/ex-spouse's current or previous employer or the spouse/ex-spouse's union, then RECOVS is set to "Yes." If we know that the Respondent was covered by employer-sponsored insurance, but we don't know whether it was provided by the Respondent's or the spouse/ex-spouse's employer or former employer, we assign a value of .C indicating employer-provided insurance and it's not known whose employer it is. There are some cases where we know that the Respondent had a non-government health insurance plan but have no other source information, we assign a value of .E, indicating the Respondent had health insurance but it's unknown whether it was employer-provided.

In Wave 2H, we look at data from the Core Interview Wave 1 preload to determine if the Respondent had been covered by employer-provided health insurance. If the Respondent reported coverage by employer-provided health insurance in Wave 1, and if the proxy indicates that Respondent was still covered by that source in Wave 2H, the preload is used to determine whether the plan that covered the Respondent was the Respondent's own plan (RECOVR="yes") or from the spouse's plan (RECOVS="yes"). If the preload is not indicative of employer's health insurance coverage, then the proxy is asked more insurance questions in Wave 2H. If the source of any plan is from the Respondent's current or previous employer, union, or own business, then RECOVR is set to "yes." If the source of any plan is from the spouse's current or previous employer, or union, then RECOVS is set to "yes."

In Wave 3, RECOVR and RECOVS are constructed using the same method as used for Core Interview Measures for Wave 3. The proxy is asked if the Respondent had other non-government health insurance plans at death. If the source of the plan indicates the Respondent's former or previous employer or union then RECOVR="yes." If source indicates the spouse's plan or spouse's union, RECOVS="yes." If the source is unknown and no sources indicate the Respondent's employer, RECOVR is assigned .E, which means the Respondent was covered by health insurance but it's not known if the source is an employer. This is the same for the Respondent's spouse's employer. RECOVS is set to .E if the Respondent was covered by a health plan but it's not known if the source is a spouse's employer. If no health insurance is reported and none of the sources indicate the Respondent and Respondent's spouse's employer, then RECOVR and RECOVS are set to "no." As in the Core Interview Measures Wave 3, there are a large number of .E's, in Exit Wave 3, indicating the proxy responded to the question about the Respondent having health insurance at the time of death, but skipped the questions about the source of insurance.

In Wave 4, there are only two questions related to an employer insurance plan. First a question is asked of everyone, "At the time of death was the Respondent covered by any employer-provided health insurance?" The second question is "How many different employer-provided health insurance plans was the Respondent covered by when died?" Unlike all other waves there is no information about the source of employer provided plan or whose plan it was. If the first question is answered "yes" RECOVR and RECOVS are set to the special missing value .C, indicating the Respondent was covered by employer-provided insurance, but it's not known by whose employer.

In Wave 5, a lead-in question determines if the Respondent was covered by any employer-provided or self-employed health insurance at death. If no health insurance is reported in these questions, RECOVR and RECOVS are set to "no." If the Respondent reports having health insurance, insurance source questions are asked. If the source is the Respondent's current or previous employer or union, RECOVR is set to "yes." If the Respondent is self-employed and has health insurance through the business, then RECOVR is set to "yes." Likewise, RECOVS is set to "yes" if the insurance source is the spouse's current or previous employer, or union. However, if the only source of coverage is the spouse's employer (current or previous) or union, then RECOVR is set to "no." If

the only source of coverage is the Respondent's employer (current or previous), union, or self-employment, then RECOVS is set to "no." Otherwise if any source of coverage is "other," "don't know," or "refuse," then RECOVER and RECOVS are set to special missing .C.

From Wave 6 forward, the proxy is asked how many non-government health insurance plans the Respondent had. There are separate questions asked about the specific sources of this employer-provided health insurance for up to three plans. If the Respondent's own business or current or former employer or union is the provider for the health insurance, then RECOVER is coded to "Yes." If the insurance is provided through the spouse's own business, current or previous employer or union, RECOVS is coded to "Yes." If the number of insurance plans is more than zero, but no source is provided in any of the questions, .E is assigned indicating the Respondent had insurance but it's not known if it was employer-provided insurance.

In Wave 13 forward we utilize preloads if the proxy indicates the Respondent was covered by the same insurance plan source as the previous wave. However, when these preloads are not available, then we use information reported during the most recently available last Core Interview.

Core and Exit Differences

Exit Interview Waves 3A and 3H are similar to Core Interview Wave 3A.

In the Exit Interview Wave 4, the proxy is asked only two questions about employer insurance: 1) if the Respondent was covered by any employer-provided health insurance at death and, if so, 2) how many plans. There aren't questions that ask about specific sources of insurance; therefore, RECOVER and RECOVS from Exit Wave 4 are assigned a value of .C, indicating the Respondent was covered by an employer-provided insurance, but it's not known by whose employer.

Exit Interview Wave 6, a question about the Respondent obtaining insurance through a former employer is not included in the Exit Interview measures.

In Exit Interview Wave 13, the preload of the private insurance plan source for the three plans is not available. For this Wave we use information reported during the most recently available last Core Interview.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, the private health insurance questions begin with:

"Do you have any type of health insurance coverage obtained through your [or your spouse's] employer, former employer or union, such as Blue Cross-Blue Shield or a Health Maintenance Organization?"

If "yes," the Financial Respondent is asked how many plans and the source of up to 2 plans. The source of insurance can be the Respondent's current or former employer, the Respondent's union, the Respondent's spouse's current or former employer or union, and other. If the Financial Respondent is married and reported having employer-provided health insurance, the first question about the spouse's private health insurance coverage is:

"You told me earlier that you obtain health insurance through an employer or union. Is your spouse covered by the same insurance plan(s)?"

If so, the Financial Respondent is then asked by which (if more than one plan). The questions then ask if the Financial Respondent's

spouse is covered by any other employer-provided health insurance, and if so, the source of up to 2 plans. This results in information on coverage of the Financial Respondent's spouse on up to 4 employer-provided health insurance plans. For the Financial Respondent in Wave 1, and for Waves 2H and 3, up to 2 insurance plans are asked about. From Wave 4 forward, only 1 employer-provided health insurance plan is asked about. The question wording asks for information about plans in order of importance.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked:

"According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?"

If "yes," no further questions on source of insurance are asked. If the Respondent is the Financial Respondent in Wave 2H and says the records show wrong coverage, a follow-up question asks for a corrected source of insurance at the last interview and whether the Respondent is still covered. If the Respondent was not the Financial Respondent in Wave 1 and says the records show wrong coverage, or if the Respondent (the Financial Respondent or not) responds with any other answer except "yes," questions almost identical to those asked in Wave 1 regarding coverage and its source are asked.

In Wave 2H, additional answers for the source of health insurance are possible. In particular, "Through own business" and "Purchased through own business/self-employment" are added to address the coverage of those self-employed.

In Wave 2A, questions about other health insurance are asked, but there are no questions to indicate whether the source of that insurance is a current or previous employer.

In Wave 3A, the question about other health insurance is followed up by asking the source of the insurance. Besides current or previous employers and unions of the Respondent and spouse, the source can be other organizations or self. There are two questions about source of coverage, one for the first, or most important plan, and the other about other plans, with the option to answer all that apply. If the number of plans was given as zero, both these questions were asked. In the derivation of this variable, a "don't know" or "refuse" response with regard to the other plans is ignored when the number of plans is zero. Since many valid responses are given about the source of the first plan when the number of plans is zero, we assume that there is at least one health plan. Due to an apparent skip problem in some versions of the HRS instrument, over 1,000 cases responded yes to the question about having other insurance, but then skipped all questions about its source.

In Waves 3H, 4 and 5, self-employed Respondents are asked: "Do you have health insurance through that business that pays hospital or doctor bills?" If self-employed and not covered through the business, or if not self-employed, the Respondent is asked if s/he is covered by any employer-provided health insurance.

If "yes," the source of the coverage is asked. Unfortunately, in Waves 3H and 4, the specific source of coverage was skipped if the Respondent was self-employed, not covered by the business, but was covered by an employer-provided insurance. This is corrected in Wave 5.

In Waves 6 and 7, the questions about sources of employer-provided health insurance are asked about up to three plans, and they are asked differently than in previous waves. The questions about source of insurance are asked separately, in the following order until the source is reported:

1. Only if the Respondent is working: "Do you obtain this health insurance through Current employer/Own Business of yours?"
2. "Do you obtain this health insurance through a former employer of yours?"
3. Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's Current employer?"
4. Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's former employer?"

5. "Did you purchase this plan directly from an insurance company, through your/your spouse's union, through a group such as AARP, a church, or other organization, or what?"

From Wave 8 forward, question 3 is also asked of those who are separated, divorced, or who have had their marriage annulled, with the following wording: "Do you obtain this health insurance through your former spouse/partner's Current employer?" Question 4 is asked of this expanded group and those who are widowed as: "Do you obtain this health insurance through your former spouse/partner's former employer?"

Note that in prior waves, the Respondent's current employer could be given as the source even if the Respondent is not working, and the spouse's employer could be given as the source even if the Respondent is not married or partnered. Former and deceased spouse's employers have been coded as the source if mentioned in response to the 5th question in the final release of 2002 (W6) and 2004 (W7) data.

For Wave 3H and from Wave 4 forward, if coverage is from the Respondent's employer or union, the Respondent is also asked who else is covered on this health insurance, and the response options include a code for spouse.

Exit Interview Variables

For Wave 2H we use Core Interview preloads if the proxy indicates the Respondent was covered by the same insurance as in Wave 1.

In Waves 2H, 4 and 5, there are special cases coded as .C, indicating the Respondent was covered by employer-provided insurance, but it's not known by whose employer.

In Wave 3, and from Wave 6 forward, the private health insurance questions start with the number of non-government health insurance plans. If the proxy does not provide a source of the insurance, .E is assigned, indicating coverage but it's not known whether the insurance was obtained through an employer.

From Wave 6 forward, questions about sources of employer-provided health insurance are asked for up to three plans, and they are asked differently than in previous waves. The questions are asked separately, in the following order until the source and number of plans are reported:

1. How many other such plans did the Respondent have at the time of death? (Other than Medicare/HMO, do not include long-term care insurance)
2. Only if the Respondent was working: "Did the Respondent obtain this health insurance through Current employer/Own Business?"
3. "Did the Respondent obtain this health insurance through a former employer?"
4. Only if the Respondent was married/partnered: "Did the Respondent obtain this health insurance through his/her spouse/partner's current employer?"
5. Only if the Respondent was married/partnered: "Did the Respondent obtain this health insurance through his/her spouse/partner's former employer?"
6. "Did the Respondent purchase this plan directly from an insurance company, through his/her spouse's union, through a group such as AARP, a church, or other organization, or what?"

Please note that responses to question three of the Exit interview measures for Wave 6 were not available.

Responses from Waves 6 through 8 include a code for former or deceased spouse's employer/union in question six.

From Wave 8 forward, question 4 is asked for those who are separated, divorced, or who have had their marriage annulled, with the following wording: "Did s/he obtain this health insurance through his/her former spouse/partner's current employer?" Question 5 and 6 are asked of this expanded group and those who are widowed as: "Did s/he obtain this health insurance through his/her former spouse/partner's former employer?"

From Wave 13 forward, if the proxy indicates the Respondent was covered by the same insurance plan as in the Respondent's last Core interview, we use data from a preload; however, in Wave 13 the preload fields were not available so we use information reported during the most recently available last Core interview.

HRS Variables Used

Core Interview Variables

HRS 1992:	
V6614	R3:R1EMPLR HLTH INS PLAN
V6615	R3A:R1EMP:#PLANS HAVE
V6616	R4:R1EMP:#1:HOW OBTAINED
V6624	R4:R1EMP:#2:HOW OBTAINED
V6813	R25:R2HAS OTHR EMP INS
V6814	R26:R2EMPLR HLTH INS PLN
V6815	R26A:R2EMP:#PLANS HAVE
V6816	R27:R2EMP:#1:HOW OBTAINED
V6824	R27:R2EMP:#2:HOW OBTAINED
HRS 1994:	
W6705	R2-1.COVERED BY SAME POL
W6706	R2a-1.WHO PROVIDED HEALT
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6724	R4.CURRENT HEALTH INS FR
W6726	P1. R5.HOW OBTAINED
W6740	P2. R5.HOW OBTAINED
AHEAD 1995:	
D5214	R9. OTHER HEALTH INSURANCE
D5215	R9A.# OTHER HEALTH INS
D5225M1	R10D-1. HOW OBTAIN OTHER HMO-1
D5225M2	R10D-2. HOW OBTAIN OTHER HMO-1
D5225M3	R10D. HOW OBTAIN OTHER HMO-1
D5242M1	R11D-1. HOW OBTAIN OTHER HMO-1
D5242M2	R11D-2. HOW OBTAIN OTHER HMO-1
HRS 1996:	
E5158	R12X.SELF-EMP INSURANCE
E5160	R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
E5163_1	R15.HOW OBTAIN INSURANCE
E5163_2	R15.HOW OBTAIN INSURANCE
E5172_1	R19C.ANYONE ELSE COVERED
E5172_2	R19C.ANYONE ELSE COVERED
E5173001	R19D.WHO COVERED?
E5173002	R19D.WHO COVERED?
E5173003	R19D.WHO COVERED?
E5173004	R19D.WHO COVERED?
E5173005	R19D.WHO COVERED?
E5173011	R19D.WHO COVERED?
E5173012	R19D.WHO COVERED?
E5173013	R19D.WHO COVERED?
E5173014	R19D.WHO COVERED?
E5173015	R19D.WHO COVERED?
HRS 1998:	

F5891	R12X.SELF-EMP INSURANCE
F5893	R13.ANY INSURANCE FOR HOSP/DR BILLS
F5896	R15.HOW OBTAIN INSURANCE
F5906M1	R19D.WHO COVERED?
F5906M2	R19D.WHO COVERED?
F5906M3	R19D.WHO COVERED?
F5906M4	R19D.WHO COVERED?
F5906M5	R19D.WHO COVERED?
F5906M6	R19D.WHO COVERED?
HRS 2000:	
G6264	R12AA.SELF-EMP INSURANCE
G6266	R13.ANY INSURANCE THRU AN EMPLOYER
G6269	R15.HOW OBTAIN INSURANCE
G6279M1	R19D.WHO COVERED?
G6279M2	R19D.WHO COVERED?
G6279M3	R19D.WHO COVERED?
G6279M4	R19D.WHO COVERED?
G6279M5	R19D.WHO COVERED?
G6279M6	R19D.WHO COVERED?
G6279M7	R19D.WHO COVERED?
HRS 2004:	
JN049_2E	PRIV PLAN HI- WHO COVERED-2-5
JN049_2F	PRIV PLAN HI- WHO COVERED -2
JN049_3E	PRIV PLAN HI- WHO COVERED- 3- 5
HRS 2006:	
KN049_2E	PRIV PLAN HI- WHO COVERED -2- 5
KN049_2F	PRIV PLAN HI- WHO COVERED -2- 6
KN049_3E	PRIV PLAN HI- WHO COVERED- 3- 5
HRS 2008:	
LN049_2E	PRIV PLAN HI- WHO COVERED -2- 5
LN049_2F	PRIV PLAN HI- WHO COVERED -2- 6
HRS 2010:	
MN049_2E	PRIV PLAN HI- WHO COVERED -2- 5
MN049_2F	PRIV PLAN HI- WHO COVERED- 2- 6
MN049_3E	PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2014:	
ON049_2E	PRIV PLAN HI- WHO COVERED- 2- 5
ON049_2F	PRIV PLAN HI- WHO COVERED- 2- 6
HRS 2014:	
ON049_1G	PRIV PLAN HI- WHO COVERED- 1- 7
ON049_1H	PRIV PLAN HI- WHO COVERED- 1- 8
HRS 2016:	
PN049_2E	PRIV PLAN HI- WHO COVERED- 2- 5
PN049_2F	PRIV PLAN HI- WHO COVERED- 2- 6
HRS 2016:	
PN280_1	NAME PRIVATE HEALTH INSURANCE PLAN -1
PN280_2	NAME PRIVATE HEALTH INSURANCE PLAN -2
PN280_3	NAME PRIVATE HEALTH INSURANCE PLAN -3
PN485_1	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
PN485_2	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
PN485_3	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
PZ553_1	PRIVATE INSURANCE PLAN SOURCE - 1
PZ553_2	PRIVATE INSURANCE PLAN SOURCE - 2
PZ553_3	PRIVATE INSURANCE PLAN SOURCE - 3
HRS 2002-2016:	
xN023	NUM PRIVATE HEALTH INS PLANS
xN033_1	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
xN033_2	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
xN033_3	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3

xN034_1	OBTAIN INS THRU FORMER EMPLOYER- 1
xN034_2	OBTAIN INS THRU FORMER EMPLOYER- 2
xN034_3	OBTAIN INS THRU FORMER EMPLOYER- 3
xN035_1	OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
xN035_2	OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
xN035_3	OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
xN036_1	OBTAIN INS THRU HWP FORMER EMPLOYER- 1
xN036_2	OBTAIN INS THRU HWP FORMER EMPLOYER- 2
xN036_3	OBTAIN INS THRU HWP FORMER EMPLOYER- 3
xN037_1	WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
xN037_2	WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
xN037_3	WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
xN048_1	PRIV PLAN HI- ANYONE ELSE COVERED- 1
xN048_2	PRIV PLAN HI- ANYONE ELSE COVERED- 2
xN048_3	PRIV PLAN HI- ANYONE ELSE COVERED- 3
xN049_1A	PRIV PLAN HI- WHO COVERED- 1- 1
xN049_1B	PRIV PLAN HI- WHO COVERED- 1- 2
xN049_1C	PRIV PLAN HI- WHO COVERED- 1- 3
xN049_1D	PRIV PLAN HI- WHO COVERED- 1- 4
xN049_1E	PRIV PLAN HI- WHO COVERED- 1- 5
xN049_1F	PRIV PLAN HI- WHO COVERED- 1- 6
xN049_2A	PRIV PLAN HI- WHO COVERED- 2- 1
xN049_2B	PRIV PLAN HI- WHO COVERED- 2- 2
xN049_2C	PRIV PLAN HI- WHO COVERED- 2- 3
xN049_2D	PRIV PLAN HI- WHO COVERED- 2- 4
xN049_3A	PRIV PLAN HI- WHO COVERED- 3- 1
xN049_3B	PRIV PLAN HI- WHO COVERED- 3- 2
xN049_3C	PRIV PLAN HI- WHO COVERED- 3- 2
xN049_3D	PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2004-2006:	
xN049_3F	PRIV PLAN HI- WHO COVERED- 3- 6

Exit Interview Variables

HRS 1994:	
W6705	R2-1.COVERED BY SAME POL
W6706	R2a-1.WHO PROVIDED HEALT
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6709	R2-2b.STILL COVERED BY S
W6724	R4.CURRENT HEALTH INS FR
W6725	R4a.# HEALTH INS PLANS F
W6726	P1. R5.HOW OBTAINED
W6740	P2. R5.HOW OBTAINED
AHEAD 1995:	
N5339	R9.OTHER HEALTH INSURANCE
N5340	R9a.# OTHER HEALTH INS
N5341M1	R10d.HOW OBTAIN OTHER HMO-1
N5341M2	R10d.HOW OBTAIN OTHER HMO-1
N5362M1	R11d.HOW OBTAIN OTHER HMO-1
N5362M2	R11d.HOW OBTAIN OTHER HMO-1
HRS 1996:	
P2231	R9. OTHER HEALTH INSURANCE
P2232	R9a.# OTHER HEALTH INS
P2233M1	R10d. HOW OBTAIN OTHER HMO-1
P2233M2	R10d. HOW OBTAIN OTHER HMO-1
P2254M1	R11d. HOW OBTAIN OTHER HMO-1
P2254M2	R11d. HOW OBTAIN OTHER HMO-1

HRS 1998:
 Q2585 R13.ANY INSURANCE FOR HOSP/DR BILLS
 Q2586 R14.NUMBER OF PLANS
 HRS 2000:
 R2611 R12aa.SELF-EMP INSURANCE
 R2613 R13.ANY INSURANCE THRU AN EMPLOYER
 R2616 R15.HOW OBTAIN INSURANCE
 HRS 2016:
 ZN280_1 NAME PRIVATE HEALTH INSURANCE PLAN -1
 ZN280_2 NAME PRIVATE HEALTH INSURANCE PLAN -2
 ZN280_3 NAME PRIVATE HEALTH INSURANCE PLAN -3
 ZN485_1 WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
 ZN485_2 WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
 ZN485_3 WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
 HRS 2002-2016:
 xN033_1 OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
 xN033_2 OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
 xN033_3 OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
 xN035_1 OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
 xN035_2 OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
 xN035_3 OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
 xN036_1 OBTAIN INS THRU HWP FORMER EMPLOYER- 1
 xN036_2 OBTAIN INS THRU HWP FORMER EMPLOYER- 2
 xN036_3 OBTAIN INS THRU HWP FORMER EMPLOYER- 3
 xN037_1 WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
 xN037_2 WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
 xN037_3 WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
 HRS 2004-2016:
 xN034_1 OBTAIN INS THRU FORMER EMPLOYER -1
 xN034_2 OBTAIN INS THRU FORMER EMPLOYER -2
 xN034_3 OBTAIN INS THRU FORMER EMPLOYER -3

Tracker Variables

Tracker:
 xFINR 1992-1994 WHETHER FINANCIAL RESPONDENT

Whether employer-provided health plan covers retirees

Wave	Variable	Label	Type
1	R1COVRT	R1COVRT:W1 R plan covers retirees	Categ
2	R2COVRT	R2COVRT:W2 R plan covers retirees	Categ
3	R3COVRT	R3COVRT:W3 R plan covers retirees	Categ
4	R4COVRT	R4COVRT:W4 R plan covers retirees	Categ
5	R5COVRT	R5COVRT:W5 R plan covers retirees	Categ
6	R6COVRT	R6COVRT:W6 R plan covers retirees	Categ
7	R7COVRT	R7COVRT:W7 R plan covers retirees	Categ
8	R8COVRT	R8COVRT:W8 R plan covers retirees	Categ
9	R9COVRT	R9COVRT:W9 R plan covers retirees	Categ
10	R10COVRT	R10COVRT:W10 R plan covers retirees	Categ
11	R11COVRT	R11COVRT:W11 R plan covers retirees	Categ
12	R12COVRT	R12COVRT:W12 R plan covers retirees	Categ
13	R13COVRT	R13COVRT:W13 R plan covers retirees	Categ
1	S1COVRT	S1COVRT:W1 S plan covers retirees	Categ
2	S2COVRT	S2COVRT:W2 S plan covers retirees	Categ
3	S3COVRT	S3COVRT:W3 S plan covers retirees	Categ
4	S4COVRT	S4COVRT:W4 S plan covers retirees	Categ
5	S5COVRT	S5COVRT:W5 S plan covers retirees	Categ
6	S6COVRT	S6COVRT:W6 S plan covers retirees	Categ
7	S7COVRT	S7COVRT:W7 S plan covers retirees	Categ
8	S8COVRT	S8COVRT:W8 S plan covers retirees	Categ
9	S9COVRT	S9COVRT:W9 S plan covers retirees	Categ
10	S10COVRT	S10COVRT:W10 S plan covers retirees	Categ
11	S11COVRT	S11COVRT:W11 S plan covers retirees	Categ
12	S12COVRT	S12COVRT:W12 S plan covers retirees	Categ
13	S13COVRT	S13COVRT:W13 S plan covers retirees	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1COVRT	5072	0.77	0.42	0.0	1.0
R2COVRT	4854	0.70	0.46	0.0	1.0
R3COVRT	3683	0.65	0.48	0.0	1.0
R4COVRT	4224	0.63	0.48	0.0	1.0
R5COVRT	3737	0.64	0.48	0.0	1.0
R6COVRT	3037	0.67	0.47	0.0	1.0
R7COVRT	3739	0.60	0.49	0.0	1.0
R8COVRT	2885	0.61	0.49	0.0	1.0
R9COVRT	2385	0.60	0.49	0.0	1.0
R10COVRT	4076	0.49	0.50	0.0	1.0
R11COVRT	3545	0.48	0.50	0.0	1.0
R12COVRT	2944	0.50	0.50	0.0	1.0
R13COVRT	2487	0.39	0.49	0.0	1.0
S1COVRT	4089	0.78	0.42	0.0	1.0
S2COVRT	3840	0.72	0.45	0.0	1.0
S3COVRT	2747	0.65	0.48	0.0	1.0
S4COVRT	3136	0.63	0.48	0.0	1.0
S5COVRT	2812	0.65	0.48	0.0	1.0
S6COVRT	2268	0.67	0.47	0.0	1.0
S7COVRT	2737	0.60	0.49	0.0	1.0
S8COVRT	2113	0.62	0.49	0.0	1.0
S9COVRT	1741	0.60	0.49	0.0	1.0
S10COVRT	2730	0.49	0.50	0.0	1.0

S11COVRT	2381	0.47	0.50	0.0	1.0
S12COVRT	1951	0.48	0.50	0.0	1.0
S13COVRT	1532	0.39	0.49	0.0	1.0

Categorical Variable Codes

RwCOVRT: R plan covers retirees										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Already 65+			437	2245	2321	2633	2557	2429	2240	2047
.D=DK		152	215	282	317	255	286	277	176	291
.H=Missing whether covrd	90	79	515	697	132	206	198	168	168	553
.M=Oth missing	862	9	111	130	13	215	274	197	135	232
.N=No plan	6628	6323	5639	13378	12738	11786	13048	12493	12096	14809
.Q=Not asked this wv		8222	7027							
.R=RF		3	2	1		2	1			1
.S=Skip, not cur/prv emp pl			362	427	320	31	26	20	17	25
0.No	1150	1453	1301	1572	1352	999	1489	1114	953	2079
1.Yes	3922	3401	2382	2652	2385	2038	2250	1771	1432	1997
Value	w11	w12	w13							
.A=Already 65+	1847	1702	1391							
.D=DK	160	133	124							
.H=Missing whether covrd	305	339	426							
.M=Oth missing	206	151	148							
.N=No plan	14472	13461	14891							
.Q=Not asked this wv										
.R=RF	1									
.S=Skip, not cur/prv emp pl	18	17	1445							
0.No	1855	1480	1506							
1.Yes	1690	1464	981							
SwCOVRT: S plan covers retirees										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Already 65+			386	1503	1528	1709	1649	1527	1389	1280
.D=DK		100	151	208	232	195	205	222	125	194
.H=Missing whether covrd	10	54	493	660	93	151	113	106	120	378
.M=Oth missing	668	6	73	98	9	174	217	162	105	176
.N=No plan	5529	4829	4166	8045	7803	7120	8036	7590	7154	8740
.Q=Not asked this wv		4549	3704							
.R=RF		1	2	1		2				
.S=Skip, not cur/prv emp pl			290	329	253	20	15	15	12	15
.U=Unmarried	2356	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		295	322	536	311	220	380	317	365	722
0.No	911	1063	960	1154	994	742	1100	810	693	1400
1.Yes	3178	2777	1787	1982	1818	1526	1637	1303	1048	1330
Value	w11	w12	w13							
.A=Already 65+	1153	1001	820							
.D=DK	115	84	70							
.H=Missing whether covrd	225	264	285							
.M=Oth missing	156	115	80							
.N=No plan	8447	7588	8038							
.Q=Not asked this wv										

.R=RF	|			
.S=Skip, not cur/prv emp pl	|	11	9	954
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	1261	1014	934
1.Yes	|	1120	937	598

How Constructed

RwCOVRT indicates whether the Respondent's employer-provided health insurance covers retirees. In Waves 1 and 2H, this is taken from a direct question that asks whether a plan covers retirees. In Wave 3H and from Wave 4 forward, it is taken from a question that asks about coverage up to age 65.

SwCOVRT indicates whether health insurance from the employer of the Respondent's spouse or partner covers retirees.

The number of insurance plans about which information is gathered varies across waves. In Wave 1, a question asks if the plan covers retirees, for each plan. If any plan provided by the Respondent's current or previous employer, or union covers retirees, then RwCOVRT is set to "yes." If no plan is provided by the Respondent's employer or union, then RwCOVRT is set to .N, no plan.

In Wave 2H, if the Respondent indicates that s/he is still covered by her/his own employer-provided health plan reported in Wave 1, the Wave 1 information is assumed to be correct for Wave 2H as well, i.e., R2COVRT is set to R1COVRT. If Wave 2H employer-provided health insurance is not a continuation of the preloaded Wave 1 coverage, the Wave 2H question about whether the plan covers retirees is used to set RwCOVRT. If any plan from the Respondent's current or previous employer, or union covers retirees, then RwCOVRT is set to "yes." If no plan is provided by the Respondent's employer or union, then RwCOVRT is set to .N, no plan.

In Wave 3H and from Wave 4 forward, this question is no longer asked. Another question asks if the plan would cover the Respondent up to age 65. Since this seems to be asking about insurance coverage of early retirees, this question was used for the RwCOVRT variables in Wave 3H and from Wave 4 forward. If coverage can continue to age 65, then RwCOVRT is set to yes. If the Respondent is already 65 then RwCOVRT is set to .A - already 65, and if the plan(s) are not from the Respondent's current or previous employer, RwCOVRT is set to .S - question skipped. Note that if the source of insurance is the Respondent's union or through self-employment, these questions are not asked, so RwCOVRT is set to .S. If the Respondent does not report being covered by the Respondent's employer, then RwCOVRT is set to .N - no plan.

In all waves, if missing whether the Respondent is covered, then RwCOVRT is set to .H, missing whether covered by employer-provided insurance. If the question was asked or should have been asked, and the answer is missing then RwCOVRT is set to .D for don't know, .R for refused, and .M for all other missing answers.

In Waves 2A and 3A, this question is not asked. In Wave 3A, special missing values are set for no insurance (.N), if the Respondent is older than 65 (.A), and if RwCOVR is missing (.H). For all other situations, and for everyone in Wave 2A, RwCOVRT is set to .Q to indicate that no information is available this wave.

SwCOVRT for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1COVRT is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1COVRT is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwCOVRT variable, if available. If the Respondent is not married, SwCOVRT is set to .U=unmarried. If the Respondent's spouse did not respond then SwCOVRT is set to .V=Spouse is non-response.

Please see "Plan specific employer-provided health insurance: Coverage in retirement" for information on individual plans reported. These more detailed variables also provide information as to whether the coverage extends to those over 65 in the waves when this information is available.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1 a question asks if the plan covers retirees, for each plan (up to 4 between Respondent and spouse).

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the Respondent is asked if this coverage continues. If so then no question about whether the plan covers retirees is asked. If not, or if not covered in Wave 1, current employer provided health insurance plans are asked about (up to 2). A question asks if the plan covers retirees for each plan.

In Waves 3H, and 4 forward, the question about whether a plan covers retirees is no longer asked. Other questions ask if the plan would cover the Respondent up to age 65 if s/he left the job before age 65 (if from current employer), or if the plan could be continued to age 65 (if from previous employer). This question is skipped if the Respondent is already 65, or if the employer-provided health plan is not from either the Respondent's current or previous employer (e.g., it is NOT asked if the plan source is a union, spouse's employer, or through the Respondent's self-employment). From Wave 6 forward this question is asked for up to three plans.

In Waves 2A and 3A, no question about retiree coverage or coverage before age 65 is asked.

In some waves, if health insurance extends to age 65, a follow-up question asks if those over 65 may also be covered. The RwCOVRT variables do not provide any information from these follow-up questions. Please see "Plan specific employer-provided health insurance: Coverage in retirement" for information on individual plans reported. These more detailed variables also provide information as to whether the coverage extends to those over 65 in the waves when this information is available.

HRS Variables Used

HRS 1992:

V6614	R3:R1EMPLR HLTH INS PLAN
V6615	R3A:R1EMP:#PLANS HAVE
V6616	R4:R1EMP:#1:HOW OBTAINED
V6618	R7:R1#1:AVAIL FOR RTIREE
V6624	R4:R1EMP:#2:HOW OBTAINED
V6626	R7:R1#2:AVAIL FOR RTIREE
V6813	R25:R2HAS OTHR EMP INS
V6814	R26:R2EMPLR HLTH INS PLN
V6815	R26A:R2EMP:#PLANS HAVE
V6816	R27:R2EMP:#1:HOW OBTAINED
V6818	R30:R2#1:AVAIL FR RTIREE
V6824	R27:R2EMP:#2:HOW OBTAINED
V6826	R30:R2#2:AVAIL FR RTIREE

HRS 1994:

W6705	R2-1.COVERED BY SAME POL
W6706	R2a-1.WHO PROVIDED HEALT
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6709	R2-2b.STILL COVERED BY S
W6724	R4.CURRENT HEALTH INS FR
W6726	P1. R5.HOW OBTAINED
W6734	P1. R8.AVAILABLE FOR RET
W6740	P2. R5.HOW OBTAINED
W6748	P2. R8.AVAILABLE FOR RET

HRS 1996:

E5158	R12X.SELF-EMP INSURANCE
E5160	R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL

E5163_1	R15.HOW OBTAIN INSURANCE
E5163_2	R15.HOW OBTAIN INSURANCE
E5191_1	R34.COVERAGE CONTINUE TO 65
E5191_2	R34.COVERAGE CONTINUE TO 65
E5194_1	R35.COVERAGE TO 65 IF LEFT NOW
E5194_2	R35.COVERAGE TO 65 IF LEFT NOW
HRS 1998:	
F5891	R12X.SELF-EMP INSURANCE
F5893	R13.ANY INSURANCE FOR HOSP/DR BILLS
F5896	R15.HOW OBTAIN INSURANCE
F5924	R34.COVERAGE CONTINUE TO 65
F5927	R35.COVERAGE TO 65 IF LEFT NOW
HRS 2000:	
G6264	R12AA.SELF-EMP INSURANCE
G6266	R13.ANY INSURANCE THRU AN EMPLOYER
G6269	R15.HOW OBTAIN INSURANCE
G6297	R34.COVERAGE CONTINUE TO 65
G6302	R35.COVERAGE TO 65 IF LEFT NOW
HRS 2002-2016:	
xN033_1	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
xN033_2	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
xN033_3	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
xN034_1	OBTAIN INS THRU FORMER EMPLOYER- 1
xN034_2	OBTAIN INS THRU FORMER EMPLOYER- 2
xN034_3	OBTAIN INS THRU FORMER EMPLOYER- 3
xN059_1	EMPLOYER RETIREE COVERAGE UP TO 65- 1
xN059_2	EMPLOYER RETIREE COVERAGE UP TO 65- 2
xN059_3	EMPLOYER RETIREE COVERAGE UP TO 65- 3
Tracker:	
AFINR	WHETHER FINANCIAL RESPONDENT

Number of employer-provided/private health insurance plans

Wave	Variable	Label	Type
1	R1HENUM	R1HENUM:W1 Number of health insurance plans	Cont
2	R2HENUM	R2HENUM:W2 Number of health insurance plans	Cont
3	R3HENUM	R3HENUM:W3 Number of health insurance plans	Cont
4	R4HENUM	R4HENUM:W4 Number of health insurance plans	Cont
5	R5HENUM	R5HENUM:W5 Number of health insurance plans	Cont
6	R6HENUM	R6HENUM:W6 Number of health insurance plans	Cont
7	R7HENUM	R7HENUM:W7 Number of health insurance plans	Cont
8	R8HENUM	R8HENUM:W8 Number of health insurance plans	Cont
9	R9HENUM	R9HENUM:W9 Number of health insurance plans	Cont
10	R10HENUM	R10HENUM:W10 Number of health insurance plans	Cont
11	R11HENUM	R11HENUM:W11 Number of health insurance plans	Cont
12	R12HENUM	R12HENUM:W12 Number of health insurance plans	Cont
13	R13HENUM	R13HENUM:W13 Number of health insurance plans	Cont
1	S1HENUM	S1HENUM:W1 Number of health insurance plans	Cont
2	S2HENUM	S2HENUM:W2 Number of health insurance plans	Cont
3	S3HENUM	S3HENUM:W3 Number of health insurance plans	Cont
4	S4HENUM	S4HENUM:W4 Number of health insurance plans	Cont
5	S5HENUM	S5HENUM:W5 Number of health insurance plans	Cont
6	S6HENUM	S6HENUM:W6 Number of health insurance plans	Cont
7	S7HENUM	S7HENUM:W7 Number of health insurance plans	Cont
8	S8HENUM	S8HENUM:W8 Number of health insurance plans	Cont
9	S9HENUM	S9HENUM:W9 Number of health insurance plans	Cont
10	S10HENUM	S10HENUM:W10 Number of health insurance plans	Cont
11	S11HENUM	S11HENUM:W11 Number of health insurance plans	Cont
12	S12HENUM	S12HENUM:W12 Number of health insurance plans	Cont
13	S13HENUM	S13HENUM:W13 Number of health insurance plans	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HENUM	12497	0.77	0.58	0.0	4.0
R2HENUM	4762	0.31	0.52	0.0	4.0
R3HENUM	17838	0.69	0.58	0.0	6.0
R4HENUM	20871	0.54	0.59	0.0	6.0
R5HENUM	19162	0.54	0.58	0.0	7.0
R6HENUM	18042	0.74	0.56	0.0	11.0
R7HENUM	20018	0.73	0.62	0.0	23.0
R8HENUM	18373	0.67	0.57	0.0	12.0
R9HENUM	17099	0.62	0.61	0.0	13.0
R10HENUM	21599	0.61	0.60	0.0	12.0
R11HENUM	20339	0.57	0.59	0.0	11.0
R12HENUM	18512	0.57	0.65	0.0	21.0
R13HENUM	20592	0.56	0.61	0.0	11.0
S1HENUM	10124	0.82	0.58	0.0	4.0
S2HENUM	3330	0.36	0.54	0.0	4.0
S3HENUM	11859	0.75	0.58	0.0	6.0
S4HENUM	13634	0.64	0.60	0.0	6.0
S5HENUM	12440	0.64	0.59	0.0	4.0
S6HENUM	11583	0.81	0.54	0.0	5.0
S7HENUM	12929	0.80	0.60	0.0	23.0
S8HENUM	11693	0.74	0.56	0.0	12.0
S9HENUM	10595	0.70	0.61	0.0	13.0
S10HENUM	13301	0.67	0.59	0.0	12.0

S11HENUM	12402	0.63	0.59	0.0	11.0
S12HENUM	10904	0.64	0.65	0.0	21.0
S13HENUM	11651	0.62	0.61	0.0	11.0

General Comments

Private health insurance plans encompass all plans purchased on the private market, including coverage purchased through an employer, the individual insurance marketplaces, a union, or a trade association. Previous versions of the RAND HRS Longitudinal File have included variables that describe private plans solely provided by current or former employers, and these variables are still provided for continuity purposes. RwPRPCNT is similar, but not identical, to RWHENUM. For Waves 1-5, RWHENUM is a count of employer-provided health insurance plans only, whereas RwPRPCNT is a count of all private health insurance plans, except long-term care insurance. From Wave 6 forward, RwPRPCNT and RWHENUM are the same, and both are a count of all private health insurance plans, except long-term care insurance. Please see the Number of private health insurance plans section for a full description of RwPRPCNT.

How Constructed

RWHENUM is a count of the number of employer-provided/private health insurance plans the Respondent reports. This is taken from a direct question that asks, "How many plans do you have?"

For Waves 1-5, RWHENUM includes employer-provided health insurance plans only.

From Wave 6 forward, the RWHENUM includes all private health insurance plans.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1 and the Respondent confirms this, the number of plans is not asked. In these cases the Respondent may confirm coverage from only one Wave 1 plan, so R2HENUM is set to .P = Covered in wave 1. It is unclear whether or not the Respondent has the same number of plans in Wave 2 as were reported in R1HENUM.

SwHENUM is a count of the number of health insurance plans the Respondent's spouse reports.

SwHENUM for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HENUM is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HENUM is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RWHENUM variable, if available. If the Respondent is not married, SwHENUM is set to .U=unmarried. If the Respondent's spouse did not respond, then SwHENUM is set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, a question asks how many plans does Respondent have.

In Wave 2H, if preloaded information indicates Respondent was covered by any employer-provided health insurance in Wave 1, the number of plans is not asked. If Respondent is not covered in Wave 1 but is in Wave 2H, then Respondent is asked how many plans s/he has.

This question is not asked in Wave 2A and R2HENUM is set to .Q for AHEAD Respondents.

From Wave 3 forward, Respondent is asked how many plans s/he has.

HRS Variables Used

HRS 1992:	
VP6614	R3:EMPLR HLTH INS PLAN/ Sp-Prtnr
VP6615	R3A:EMP:#PLANS HAVE/ Sp-Prtnr
VR6614	R3:EMPLR HLTH INS PLAN/ Self
VR6615	R3A:EMP:#PLANS HAVE/ Self
HRS 1994:	
W6705	R2-1.COVERED BY SAME POL
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6709	R2-2b.STILL COVERED BY S
W6724	R4.CURRENT HEALTH INS FR
W6725	R4a.# HEALTH INS PLANS F
AHEAD 1995:	
D5215	R9A.# OTHER HEALTH INS
HRS 1996:	
E5161	R14.NUMBER OF EMPLOYER PROVIDED PLANS
HRS 1998:	
F5894	R14.NUMBER OF PLANS
HRS 2000:	
G6267	R14.NUMBER OF PLANS
HRS 2002-2016:	
xN023	NUM PRIVATE HEALTH INS PLANS
Tracker:	
AFINR	WHETHER FINANCIAL RESPONDENT

Plan-specific employer-provided health insurance: Source of insurance and who is covered

Wave	Variable	Label	Type
1	R1HESRC1	R1HESRC1:W1 Source of R empl plan #1	Categ
2	R2HESRC1	R2HESRC1:W2 Source of R empl plan #1	Categ
3	R3HESRC1	R3HESRC1:W3 Source of R empl plan #1	Categ
4	R4HESRC1	R4HESRC1:W4 Source of R empl plan #1	Categ
5	R5HESRC1	R5HESRC1:W5 Source of R empl plan #1	Categ
6	R6HESRC1	R6HESRC1:W6 Source of R empl plan #1	Categ
7	R7HESRC1	R7HESRC1:W7 Source of R empl plan #1	Categ
8	R8HESRC1	R8HESRC1:W8 Source of R empl plan #1	Categ
9	R9HESRC1	R9HESRC1:W9 Source of R empl plan #1	Categ
10	R10HESRC1	R10HESRC1:W10 Source of R empl plan #1	Categ
11	R11HESRC1	R11HESRC1:W11 Source of R empl plan #1	Categ
12	R12HESRC1	R12HESRC1:W12 Source of R empl plan #1	Categ
13	R13HESRC1	R13HESRC1:W13 Source of R empl plan #1	Categ
1	S1HESRC1	S1HESRC1:W1 Source of Sp empl plan #1	Categ
2	S2HESRC1	S2HESRC1:W2 Source of Sp empl plan #1	Categ
3	S3HESRC1	S3HESRC1:W3 Source of Sp empl plan #1	Categ
4	S4HESRC1	S4HESRC1:W4 Source of Sp empl plan #1	Categ
5	S5HESRC1	S5HESRC1:W5 Source of Sp empl plan #1	Categ
6	S6HESRC1	S6HESRC1:W6 Source of Sp empl plan #1	Categ
7	S7HESRC1	S7HESRC1:W7 Source of Sp empl plan #1	Categ
8	S8HESRC1	S8HESRC1:W8 Source of Sp empl plan #1	Categ
9	S9HESRC1	S9HESRC1:W9 Source of Sp empl plan #1	Categ
10	S10HESRC1	S10HESRC1:W10 Source of Sp empl plan #1	Categ
11	S11HESRC1	S11HESRC1:W11 Source of Sp empl plan #1	Categ
12	S12HESRC1	S12HESRC1:W12 Source of Sp empl plan #1	Categ
13	S13HESRC1	S13HESRC1:W13 Source of Sp empl plan #1	Categ
1	R1HESRC2	R1HESRC2:W1 Source of R empl plan #2	Categ
2	R2HESRC2	R2HESRC2:W2 Source of R empl plan #2	Categ
3	R3HESRC2	R3HESRC2:W3 Source of R empl plan #2	Categ
6	R6HESRC2	R6HESRC2:W6 Source of R empl plan #2	Categ
7	R7HESRC2	R7HESRC2:W7 Source of R empl plan #2	Categ
8	R8HESRC2	R8HESRC2:W8 Source of R empl plan #2	Categ
9	R9HESRC2	R9HESRC2:W9 Source of R empl plan #2	Categ
10	R10HESRC2	R10HESRC2:W10 Source of R empl plan #2	Categ
11	R11HESRC2	R11HESRC2:W11 Source of R empl plan #2	Categ
12	R12HESRC2	R12HESRC2:W12 Source of R empl plan #2	Categ
13	R13HESRC2	R13HESRC2:W13 Source of R empl plan #2	Categ
1	S1HESRC2	S1HESRC2:W1 Source of Sp empl plan #2	Categ
2	S2HESRC2	S2HESRC2:W2 Source of Sp empl plan #2	Categ
3	S3HESRC2	S3HESRC2:W3 Source of Sp empl plan #2	Categ
6	S6HESRC2	S6HESRC2:W6 Source of Sp empl plan #2	Categ
7	S7HESRC2	S7HESRC2:W7 Source of Sp empl plan #2	Categ
8	S8HESRC2	S8HESRC2:W8 Source of Sp empl plan #2	Categ
9	S9HESRC2	S9HESRC2:W9 Source of Sp empl plan #2	Categ
10	S10HESRC2	S10HESRC2:W10 Source of Sp empl plan #2	Categ
11	S11HESRC2	S11HESRC2:W11 Source of Sp empl plan #2	Categ
12	S12HESRC2	S12HESRC2:W12 Source of Sp empl plan #2	Categ
13	S13HESRC2	S13HESRC2:W13 Source of Sp empl plan #2	Categ
6	R6HESRC3	R6HESRC3:W6 Source of R empl plan #3	Categ
7	R7HESRC3	R7HESRC3:W7 Source of R empl plan #3	Categ
8	R8HESRC3	R8HESRC3:W8 Source of R empl plan #3	Categ
9	R9HESRC3	R9HESRC3:W9 Source of R empl plan #3	Categ
10	R10HESRC3	R10HESRC3:W10 Source of R empl plan #3	Categ
11	R11HESRC3	R11HESRC3:W11 Source of R empl plan #3	Categ
12	R12HESRC3	R12HESRC3:W12 Source of R empl plan #3	Categ
13	R13HESRC3	R13HESRC3:W13 Source of R empl plan #3	Categ
6	S6HESRC3	S6HESRC3:W6 Source of Sp empl plan #3	Categ
7	S7HESRC3	S7HESRC3:W7 Source of Sp empl plan #3	Categ
8	S8HESRC3	S8HESRC3:W8 Source of Sp empl plan #3	Categ
9	S9HESRC3	S9HESRC3:W9 Source of Sp empl plan #3	Categ
10	S10HESRC3	S10HESRC3:W10 Source of Sp empl plan #3	Categ

11	S11HESRC3	S11HESRC3:W11 Source of Sp empl plan #3	Categ
12	S12HESRC3	S12HESRC3:W12 Source of Sp empl plan #3	Categ
13	S13HESRC3	S13HESRC3:W13 Source of Sp empl plan #3	Categ
1	R1HECOV1	R1HECOV1:W1 Who is covered in R empl plan #1	Categ
2	R2HECOV1	R2HECOV1:W2 Who is covered in R empl plan #1	Categ
3	R3HECOV1	R3HECOV1:W3 Who is covered in R empl plan #1	Categ
4	R4HECOV1	R4HECOV1:W4 Who is covered in R empl plan #1	Categ
5	R5HECOV1	R5HECOV1:W5 Who is covered in R empl plan #1	Categ
6	R6HECOV1	R6HECOV1:W6 Who is covered in R empl plan #1	Categ
7	R7HECOV1	R7HECOV1:W7 Who is covered in R empl plan #1	Categ
8	R8HECOV1	R8HECOV1:W8 Who is covered in R empl plan #1	Categ
9	R9HECOV1	R9HECOV1:W9 Who is covered in R empl plan #1	Categ
10	R10HECOV1	R10HECOV1:W10 Who is covered in R empl plan #1	Categ
11	R11HECOV1	R11HECOV1:W11 Who is covered in R empl plan #1	Categ
12	R12HECOV1	R12HECOV1:W12 Who is covered in R empl plan #1	Categ
13	R13HECOV1	R13HECOV1:W13 Who is covered in R empl plan #1	Categ
1	S1HECOV1	S1HECOV1:W1 Who is covered in Sp empl plan #1	Categ
2	S2HECOV1	S2HECOV1:W2 Who is covered in Sp empl plan #1	Categ
3	S3HECOV1	S3HECOV1:W3 Who is covered in Sp empl plan #1	Categ
4	S4HECOV1	S4HECOV1:W4 Who is covered in Sp empl plan #1	Categ
5	S5HECOV1	S5HECOV1:W5 Who is covered in Sp empl plan #1	Categ
6	S6HECOV1	S6HECOV1:W6 Who is covered in Sp empl plan #1	Categ
7	S7HECOV1	S7HECOV1:W7 Who is covered in Sp empl plan #1	Categ
8	S8HECOV1	S8HECOV1:W8 Who is covered in Sp empl plan #1	Categ
9	S9HECOV1	S9HECOV1:W9 Who is covered in Sp empl plan #1	Categ
10	S10HECOV1	S10HECOV1:W10 Who is covered in Sp empl plan #1	Categ
11	S11HECOV1	S11HECOV1:W11 Who is covered in Sp empl plan #1	Categ
12	S12HECOV1	S12HECOV1:W12 Who is covered in Sp empl plan #1	Categ
13	S13HECOV1	S13HECOV1:W13 Who is covered in Sp empl plan #1	Categ
1	R1HECOV2	R1HECOV2:W1 Who is covered in R empl plan #2	Categ
2	R2HECOV2	R2HECOV2:W2 Who is covered in R empl plan #2	Categ
3	R3HECOV2	R3HECOV2:W3 Who is covered in R empl plan #2	Categ
6	R6HECOV2	R6HECOV2:W6 Who is covered in R empl plan #2	Categ
7	R7HECOV2	R7HECOV2:W7 Who is covered in R empl plan #2	Categ
8	R8HECOV2	R8HECOV2:W8 Who is covered in R empl plan #2	Categ
9	R9HECOV2	R9HECOV2:W9 Who is covered in R empl plan #2	Categ
10	R10HECOV2	R10HECOV2:W10 Who is covered in R empl plan #2	Categ
11	R11HECOV2	R11HECOV2:W11 Who is covered in R empl plan #2	Categ
12	R12HECOV2	R12HECOV2:W12 Who is covered in R empl plan #2	Categ
13	R13HECOV2	R13HECOV2:W13 Who is covered in R empl plan #2	Categ
1	S1HECOV2	S1HECOV2:W1 Who is covered in Sp empl plan #2	Categ
2	S2HECOV2	S2HECOV2:W2 Who is covered in Sp empl plan #2	Categ
3	S3HECOV2	S3HECOV2:W3 Who is covered in Sp empl plan #2	Categ
6	S6HECOV2	S6HECOV2:W6 Who is covered in Sp empl plan #2	Categ
7	S7HECOV2	S7HECOV2:W7 Who is covered in Sp empl plan #2	Categ
8	S8HECOV2	S8HECOV2:W8 Who is covered in Sp empl plan #2	Categ
9	S9HECOV2	S9HECOV2:W9 Who is covered in Sp empl plan #2	Categ
10	S10HECOV2	S10HECOV2:W10 Who is covered in Sp empl plan #2	Categ
11	S11HECOV2	S11HECOV2:W11 Who is covered in Sp empl plan #2	Categ
12	S12HECOV2	S12HECOV2:W12 Who is covered in Sp empl plan #2	Categ
13	S13HECOV2	S13HECOV2:W13 Who is covered in Sp empl plan #2	Categ
6	R6HECOV3	R6HECOV3:W6 Who is covered in R empl plan #3	Categ
7	R7HECOV3	R7HECOV3:W7 Who is covered in R empl plan #3	Categ
8	R8HECOV3	R8HECOV3:W8 Who is covered in R empl plan #3	Categ
9	R9HECOV3	R9HECOV3:W9 Who is covered in R empl plan #3	Categ
10	R10HECOV3	R10HECOV3:W10 Who is covered in R empl plan #3	Categ
11	R11HECOV3	R11HECOV3:W11 Who is covered in R empl plan #3	Categ
12	R12HECOV3	R12HECOV3:W12 Who is covered in R empl plan #3	Categ
13	R13HECOV3	R13HECOV3:W13 Who is covered in R empl plan #3	Categ
6	S6HECOV3	S6HECOV3:W6 Who is covered in Sp empl plan #3	Categ
7	S7HECOV3	S7HECOV3:W7 Who is covered in Sp empl plan #3	Categ
8	S8HECOV3	S8HECOV3:W8 Who is covered in Sp empl plan #3	Categ
9	S9HECOV3	S9HECOV3:W9 Who is covered in Sp empl plan #3	Categ
10	S10HECOV3	S10HECOV3:W10 Who is covered in Sp empl plan #3	Categ
11	S11HECOV3	S11HECOV3:W11 Who is covered in Sp empl plan #3	Categ
12	S12HECOV3	S12HECOV3:W12 Who is covered in Sp empl plan #3	Categ

13	S13HECOV3	S13HECOV3:W13 Who is covered in Sp empl plan #3	Categ
E	REHESRC1	REHESRC1:EXIT Source of R empl plan #1	Categ
E	REHESRC2	REHESRC2:EXIT Source of R empl plan #2	Categ
E	REHESRC3	REHESRC3:EXIT Source of R empl plan #3	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HESRC1	12462	1.87	2.27	0.0	6.0
R2HESRC1	11294	0.95	0.75	0.0	2.0
R3HESRC1	16090	0.67	0.73	0.0	2.0
R4HESRC1	20687	0.64	0.72	0.0	2.0
R5HESRC1	19468	0.67	0.74	0.0	2.0
R6HESRC1	17964	0.68	0.79	0.0	3.0
R7HESRC1	19934	0.68	0.79	0.0	3.0
R8HESRC1	18316	0.65	0.80	0.0	3.0
R9HESRC1	17049	0.59	0.78	0.0	3.0
R10HESRC1	21480	0.59	0.76	0.0	3.0
R11HESRC1	20250	0.55	0.75	0.0	3.0
R12HESRC1	18403	0.51	0.74	0.0	3.0
R13HESRC1	20373	0.53	0.84	0.0	3.0
S1HESRC1	10166	0.78	0.93	0.0	2.0
S2HESRC1	8708	1.17	0.81	0.0	2.0
S3HESRC1	10753	0.98	0.90	0.0	2.0
S4HESRC1	13450	0.97	0.90	0.0	2.0
S5HESRC1	12685	0.97	0.89	0.0	2.0
S6HESRC1	11548	0.96	0.89	0.0	3.0
S7HESRC1	12904	0.95	0.89	0.0	3.0
S8HESRC1	11678	0.88	0.89	0.0	3.0
S9HESRC1	10576	0.81	0.88	0.0	2.0
S10HESRC1	13250	0.83	0.89	0.0	2.0
S11HESRC1	12361	0.78	0.89	0.0	3.0
S12HESRC1	10855	0.73	0.88	0.0	2.0
S13HESRC1	11531	0.87	1.08	0.0	3.0
R1HESRC2	7177	0.33	1.21	0.0	6.0
R2HESRC2	3483	0.05	0.28	0.0	2.0
R3HESRC2	7254	0.16	0.49	0.0	2.0
R6HESRC2	6359	0.12	0.43	0.0	3.0
R7HESRC2	7538	0.13	0.45	0.0	3.0
R8HESRC2	7512	0.09	0.38	0.0	3.0
R9HESRC2	7676	0.07	0.33	0.0	3.0
R10HESRC2	10150	0.07	0.34	0.0	3.0
R11HESRC2	10114	0.06	0.30	0.0	3.0
R12HESRC2	9417	0.06	0.31	0.0	3.0
R13HESRC2	10632	0.06	0.35	0.0	3.0
S1HESRC2	6081	0.08	0.35	0.0	2.0
S2HESRC2	2300	0.05	0.27	0.0	2.0
S3HESRC2	4345	0.20	0.54	0.0	2.0
S6HESRC2	3467	0.18	0.52	0.0	3.0
S7HESRC2	4180	0.20	0.55	0.0	3.0
S8HESRC2	4151	0.15	0.48	0.0	2.0
S9HESRC2	4135	0.12	0.44	0.0	2.0
S10HESRC2	5510	0.12	0.43	0.0	2.0

S11HESRC2	5469	0.09	0.39	0.0	2.0
S12HESRC2	4969	0.10	0.41	0.0	2.0
S13HESRC2	5367	0.12	0.51	0.0	3.0
R6HESRC3	5685	0.01	0.12	0.0	3.0
R7HESRC3	6699	0.01	0.13	0.0	2.0
R8HESRC3	6923	0.01	0.11	0.0	2.0
R9HESRC3	7182	0.01	0.09	0.0	3.0
R10HESRC3	9547	0.01	0.13	0.0	2.0
R11HESRC3	9615	0.01	0.12	0.0	3.0
R12HESRC3	8917	0.01	0.13	0.0	3.0
R13HESRC3	10152	0.02	0.16	0.0	3.0
S6HESRC3	2946	0.02	0.19	0.0	3.0
S7HESRC3	3542	0.03	0.22	0.0	2.0
S8HESRC3	3698	0.02	0.20	0.0	2.0
S9HESRC3	3759	0.02	0.18	0.0	2.0
S10HESRC3	5090	0.02	0.21	0.0	2.0
S11HESRC3	5130	0.02	0.17	0.0	3.0
S12HESRC3	4629	0.03	0.22	0.0	2.0
S13HESRC3	5060	0.03	0.27	0.0	3.0
R1HECOV1	8605	3.62	1.86	1.0	6.0
R2HECOV1	7769	2.74	0.97	1.0	5.0
R3HECOV1	8694	2.87	1.23	1.0	4.0
R4HECOV1	10842	1.63	0.93	1.0	3.0
R5HECOV1	9890	2.82	1.24	1.0	4.0
R6HECOV1	8927	2.24	0.98	1.0	4.0
R7HECOV1	9938	2.20	1.00	1.0	4.0
R8HECOV1	8580	2.16	0.99	1.0	4.0
R9HECOV1	7292	2.13	0.99	1.0	4.0
R10HECOV1	9432	2.07	1.00	1.0	4.0
R11HECOV1	8226	2.03	1.00	1.0	4.0
R12HECOV1	6976	2.01	1.01	1.0	4.0
R13HECOV1	7424	1.96	1.01	1.0	4.0
S1HECOV1	4471	3.26	0.92	2.0	5.0
S2HECOV1	6359	3.24	0.95	1.0	5.0
S3HECOV1	6681	3.69	1.21	2.0	5.0
S4HECOV1	8228	2.40	0.49	2.0	3.0
S5HECOV1	7496	3.73	1.19	2.0	5.0
S6HECOV1	6732	2.81	0.42	2.0	5.0
S7HECOV1	7442	2.79	0.50	2.0	5.0
S8HECOV1	6303	2.76	0.43	2.0	5.0
S9HECOV1	5268	2.76	0.44	2.0	5.0
S10HECOV1	6692	2.72	0.47	2.0	5.0
S11HECOV1	5832	2.69	0.47	2.0	5.0
S12HECOV1	4799	2.70	0.48	2.0	5.0
S13HECOV1	4927	2.65	0.49	2.0	5.0
R1HECOV2	746	3.81	1.87	1.0	6.0
R2HECOV2	103	3.83	0.71	1.0	4.0
R3HECOV2	802	3.23	1.16	1.0	4.0
R6HECOV2	514	2.40	0.92	1.0	4.0
R7HECOV2	670	2.34	0.97	1.0	4.0
R8HECOV2	483	2.28	0.96	1.0	3.0
R9HECOV2	377	2.24	0.98	1.0	4.0
R10HECOV2	541	2.10	1.00	1.0	4.0
R11HECOV2	419	2.06	1.00	1.0	4.0

R12HECOV2	431	2.06	1.00	1.0	4.0
R13HECOV2	420	1.93	1.01	1.0	4.0
S1HECOV2	369	3.03	0.70	2.0	5.0
S2HECOV2	83	5.00	0.00	5.0	5.0
S3HECOV2	632	4.15	1.17	2.0	5.0
S6HECOV2	424	2.85	0.40	2.0	5.0
S7HECOV2	551	2.82	0.52	2.0	5.0
S8HECOV2	393	2.78	0.42	2.0	3.0
S9HECOV2	305	2.76	0.49	2.0	5.0
S10HECOV2	398	2.69	0.46	2.0	3.0
S11HECOV2	312	2.67	0.49	2.0	5.0
S12HECOV2	307	2.69	0.48	2.0	5.0
S13HECOV2	283	2.64	0.52	2.0	5.0
R6HECOV3	41	2.22	0.99	1.0	3.0
R7HECOV3	68	2.29	0.96	1.0	3.0
R8HECOV3	50	2.20	0.99	1.0	3.0
R9HECOV3	43	2.12	1.00	1.0	3.0
R10HECOV3	98	2.14	0.99	1.0	3.0
R11HECOV3	71	2.14	1.02	1.0	4.0
R12HECOV3	101	2.01	1.00	1.0	3.0
R13HECOV3	123	1.98	1.00	1.0	3.0
S6HECOV3	32	2.75	0.44	2.0	3.0
S7HECOV3	52	2.85	0.36	2.0	3.0
S8HECOV3	43	2.70	0.46	2.0	3.0
S9HECOV3	32	2.72	0.46	2.0	3.0
S10HECOV3	70	2.77	0.42	2.0	3.0
S11HECOV3	46	2.80	0.54	2.0	5.0
S12HECOV3	68	2.74	0.44	2.0	3.0
S13HECOV3	77	2.69	0.47	2.0	3.0
REHESRC1	12781	0.38	0.74	0.0	3.0
REHESRC2	5829	0.03	0.22	0.0	3.0
REHESRC3	5118	0.00	0.05	0.0	2.0

Categorical Variable Codes

RwHESRC1: Source of R empl plan #1										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr		7	399	590	14					
.D=DK	1	5	46	22	34					
.M=Oth missing	95	33	1250	69	49	123	111	96	118	436
.Q=Not asked this wv		8222								
.R=RF	10	18	17	16	13					
.T=Cov,DK whether by emplyr	84	63	189			78	84	57	50	118
0.No employer-provided insu	3952	3429	7795	10435	9592	9037	9996	9736	9757	12048
1.Respondent	4732	4996	5823	7309	6708	6086	6778	5742	4895	6598
2.Current Spouse	1031	2869	2472	2943	3168	2457	2746	2366	2005	2488
3.Former Spouse						384	414	472	392	346
6.R is a covered non FINR(W	2747									
Value	w11	w12	w13							
.C=Cov,DK by whose emplyr										
.D=DK										
.M=Oth missing	215	235	342							
.Q=Not asked this wv										
.R=RF										
.T=Cov,DK whether by emplyr	89	109	197							
0.No employer-provided insu	12024	11427	12949							
1.Respondent	5728	4887	5376							
2.Current Spouse	2165	1794	749							
3.Former Spouse	333	295	1299							
6.R is a covered non FINR(W										
SwHESRC1: Source of Sp empl plan #1										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr		2	349	496	7					
.D=DK	1	2	22	8	19					
.M=Oth missing	95	12	696	16	10	56	43	42	51	212
.Q=Not asked this wv		4549								
.R=RF	9	13	5	10	9					
.T=Cov,DK whether by emplyr	8	4	92			35	25	15	19	51
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	417	536	311	220	380	317	365	722
0.No employer-provided insu	5713	2254	4421	5718	5196	4816	5462	5375	5308	6558
1.Respondent	971	2735	2079	2457	2655	2418	2680	2310	1942	2357
2.Current Spouse	3482	3719	4253	5275	4834	4300	4740	3984	3326	4335
3.Former Spouse						14	22	9		
Value	w11	w12	w13							
.C=Cov,DK by whose emplyr										
.D=DK										
.M=Oth missing	86	108	144							
.Q=Not asked this wv										
.R=RF										
.T=Cov,DK whether by emplyr	41	49	104							
.U=Unmarried	7474	7125	8024							
.V=Spouse NR	592	610	1109							
0.No employer-provided insu	6529	6056	6604							
1.Respondent	2052	1684	696							
2.Current Spouse	3778	3115	3311							
3.Former Spouse	2		920							

RwHESRC2: Source of R empl plan #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr			24							
.D=DK		4	46							
.M=Oth missing	95	30	88			123	111	96	118	435
.P=Only one plan carried fr		6615								
.Q=Not asked this wv		8222								
.R=RF	2	10	17							
.T=Cov,DK whether by emplyr	7		183			9	15	11	5	14
.X=No more plans	5371	1278	10379			11674	12465	10850	9418	11435
0.No employer-provided insu	6440	3381	6476			5845	6868	7029	7299	9609
1.Respondent	219	41	404			286	380	293	243	345
2.Current Spouse	238	61	374			217	269	174	119	174
3.Former Spouse						11	21	16	15	22
6.R is a covered non FINR(W	280									

Value	w11	w12	w13
.C=Cov,DK by whose emplyr			
.D=DK			
.M=Oth missing	215	235	327
.P=Only one plan carried fr			
.Q=Not asked this wv			
.R=RF			
.T=Cov,DK whether by emplyr	11	17	27
.X=No more plans	10214	9078	9926
0.No employer-provided insu	9695	8986	10212
1.Respondent	273	294	289
2.Current Spouse	132	122	25
3.Former Spouse	14	15	106
6.R is a covered non FINR(W			

SwHESRC2: Source of Sp empl plan #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr			22							
.D=DK		1	22							
.M=Oth missing	95	9	31			56	43	42	51	212
.P=Only one plan carried fr		5394								
.Q=Not asked this wv		4549								
.R=RF	1	7	5							
.T=Cov,DK whether by emplyr			99			4	9	8	3	7
.U=Unmarried	2373	5968	5657			6306	6777	6417	6206	7799
.V=Spouse NR		384	417			220	380	317	365	722
.X=No more plans	4102	1030	7393			8112	8740	7534	6457	7784
0.No employer-provided insu	5713	2217	3735			3043	3629	3758	3830	5112
1.Respondent	223	52	331			215	263	173	115	161
2.Current Spouse	145	31	279			208	284	220	190	237
3.Former Spouse						1	4			

Value	w11	w12	w13
.C=Cov,DK by whose emplyr			
.D=DK			
.M=Oth missing	86	108	134
.P=Only one plan carried fr			
.Q=Not asked this wv			
.R=RF			
.T=Cov,DK whether by emplyr	7	8	18
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109

.X=No more plans	|	6926	5927	6260
0.No employer-provided insu	|	5157	4662	5084
1.Respondent	|	125	114	23
2.Current Spouse	|	187	193	180
3.Former Spouse	|			80

RwHESRC3: Source of R empl plan #3

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|						123	111	96	118	435
.T=Cov,DK whether by emplyr	|						6	12	2	5	11
.X=No more plans	|						12351	13307	11448	9912	12041
0.No employer-provided insu	|						5644	6631	6873	7139	9449
1.Respondent	|						29	54	41	39	80
2.Current Spouse	|						10	14	9	2	18
3.Former Spouse	|						2			2	

Value	|	w11	w12	w13
.M=Oth missing	|	215	235	320
.T=Cov,DK whether by emplyr	|	8	9	8
.X=No more plans	|	10716	9586	10432
0.No employer-provided insu	|	9544	8816	10029
1.Respondent	|	54	83	104
2.Current Spouse	|	14	17	2
3.Former Spouse	|	3	1	17

SwHESRC3: Source of Sp empl plan #3

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|						56	43	42	51	212
.T=Cov,DK whether by emplyr	|						3	7	1	3	6
.U=Unmarried	|						6306	6777	6417	6206	7799
.V=Spouse NR	|						220	380	317	365	722
.X=No more plans	|						8634	9380	7994	6833	8205
0.No employer-provided insu	|						2914	3490	3655	3727	5020
1.Respondent	|						10	14	9	2	17
2.Current Spouse	|						21	38	34	30	53
3.Former Spouse	|						1				

Value	|	w11	w12	w13
.M=Oth missing	|	86	108	128
.T=Cov,DK whether by emplyr	|	5	3	4
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=No more plans	|	7267	6272	6587
0.No employer-provided insu	|	5084	4561	4983
1.Respondent	|	12	16	2
2.Current Spouse	|	33	52	63
3.Former Spouse	|	1		12

RwHECOV1: Who is covered in R empl plan #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			221	22	34	73	78	57	48	106
.H=Source missing,question		20								
.M=Oth missing	95	202	1250	69	49	123	111	96	118	436
.N=None	3952	3429	7795	10435	9592	9037	9996	9736	9757	12048
.Q=Not asked this wv		8222								
.R=RF			31	16	13	5	6		2	12
1.Respondent Only	1874	1574	2405	7420	2899	3427	4042	3631	3164	4391
2.Spouse		211								
3.Both	3143	4678	2609	3422	3019	5454	5730	4929	4114	5004
4.Respondent, DK Spouse	841	1293	3680		3972	46	166	20	14	37
5.Spouse, DK R		13								
6.R is a covered non FINR(W	2747									

Value	w11	w12	w13
.D=DK	86	103	178
.H=Source missing,question			
.M=Oth missing	215	235	342
.N=None	12024	11427	12949
.Q=Not asked this wv			
.R=RF	3	6	19
1.Respondent Only	3988	3453	3866
2.Spouse			
3.Both	4221	3498	3529
4.Respondent, DK Spouse	17	25	29
5.Spouse, DK R			
6.R is a covered non FINR(W			

SwHECOV1: Who is covered in Sp empl plan #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK			108	8	19	33	23	15	18	45
.H=Source missing,question		10								
.M=Oth missing	95	118	696	16	10	56	43	42	51	212
.N=None	5713	2254	4421	5718	5196	4816	5462	5375	5308	6558
.Q=Not asked this wv		4549								
.R=RF			11	10	9	2	2		1	6
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	417	536	311	220	380	317	365	722
1.Respondent Only		208								
2.Spouse	593	449	1233	4951	1225	1358	1774	1500	1286	1954
3.Both	2994	4486	2528	3277	2931	5347	5563	4796	3976	4714
4.Respondent, DK Spouse		13								
5.Spouse, DK R	884	1203	2920		3340	27	105	7	6	24

Value	w11	w12	w13
.D=DK	39	45	91
.H=Source missing,question			
.M=Oth missing	86	108	144
.N=None	6529	6056	6604
.Q=Not asked this wv			
.R=RF	2	4	13
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.Respondent Only			
2.Spouse	1822	1494	1735
3.Both	3999	3287	3180

4.Respondent, DK Spouse	|			
5.Spouse, DK R	|	11	18	12

RwHECOV2: Who is covered in R empl plan #2

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|			222			5	13	8	3	9
.H=Source missing,question	|		13								
.M=Oth missing	|	95	30	88			123	111	96	118	435
.N=None	|	6440	3381	6476			5845	6868	7029	7299	9609
.P=Only one plan carried fr	|		6615								
.Q=Not asked this wv	|		8222								
.R=RF	|			24			4	2	3	2	5
.X=No more plans	|	5371	1278	10379			11674	12465	10850	9418	11435
1.Respondent Only	|	135	6	156			154	227	173	145	244
3.Both	|	299		150			358	431	310	229	296
4.Respondent, DK Spouse	|	32	97	496			2	12		3	1
6.R is a covered non FINR(W	|	280									

Value	|	w11	w12	w13
.D=DK	|	9	12	23
.H=Source missing,question	|			
.M=Oth missing	|	215	235	327
.N=None	|	9695	8986	10212
.P=Only one plan carried fr	|			
.Q=Not asked this wv	|			
.R=RF	|	2	5	4
.X=No more plans	|	10214	9078	9926
1.Respondent Only	|	198	204	226
3.Both	|	220	226	191
4.Respondent, DK Spouse	|	1	1	3
6.R is a covered non FINR(W	|			

SwHECOV2: Who is covered in Sp empl plan #2

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|			116			2	7	6	2	4
.H=Source missing,question	|		8								
.M=Oth missing	|	95	9	31			56	43	42	51	212
.N=None	|	5713	2217	3735			3043	3629	3758	3830	5112
.P=Only one plan carried fr	|		5394								
.Q=Not asked this wv	|		4549								
.R=RF	|			10			2	2	2	1	3
.U=Unmarried	|	2373	5968	5657			6306	6777	6417	6206	7799
.V=Spouse NR	|		384	417			220	380	317	365	722
.X=No more plans	|	4102	1030	7393			8112	8740	7534	6457	7784
2.Spouse	|	54		84			69	121	88	79	122
3.Both	|	283		144			353	419	305	223	276
5.Spouse, DK R	|	32	83	404			2	11		3	

Value	|	w11	w12	w13
.D=DK	|	5	5	15
.H=Source missing,question	|			
.M=Oth missing	|	86	108	134
.N=None	|	5157	4662	5084
.P=Only one plan carried fr	|			
.Q=Not asked this wv	|			
.R=RF	|	2	3	3
.U=Unmarried	|	7474	7125	8024

.V=Spouse NR	|	592	610	1109
.X=No more plans	|	6926	5927	6260
2.Spouse	|	105	97	107
3.Both	|	206	209	174
5.Spouse, DK R	|	1	1	2

RwHECOV3: Who is covered in R empl plan #3

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|						2	11	2	5	5
.M=Oth missing	|						123	111	96	118	435
.N=None	|						5644	6631	6873	7139	9449
.R=RF	|						4	1			6
.X=No more plans	|						12351	13307	11448	9912	12041
1.Respondent Only	|						16	24	20	19	42
3.Both	|						25	44	30	24	56
4.Respondent, DK Spouse	|										

Value	|	w11	w12	w13
.D=DK	|	5	5	5
.M=Oth missing	|	215	235	320
.N=None	|	9544	8816	10029
.R=RF	|	3	4	3
.X=No more plans	|	10716	9586	10432
1.Respondent Only	|	31	50	63
3.Both	|	39	51	60
4.Respondent, DK Spouse	|	1		

SwHECOV3: Who is covered in Sp empl plan #3

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|						1	6	1	3	2
.M=Oth missing	|						56	43	42	51	212
.N=None	|						2914	3490	3655	3727	5020
.R=RF	|						2	1			4
.U=Unmarried	|						6306	6777	6417	6206	7799
.V=Spouse NR	|						220	380	317	365	722
.X=No more plans	|						8634	9380	7994	6833	8205
2.Spouse	|						8	8	13	9	16
3.Both	|						24	44	30	23	54
5.Spouse, DK R	|										

Value	|	w11	w12	w13
.D=DK	|	2	3	3
.M=Oth missing	|	86	108	128
.N=None	|	5084	4561	4983
.R=RF	|	3		1
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=No more plans	|	7267	6272	6587
2.Spouse	|	11	18	24
3.Both	|	34	50	53
5.Spouse, DK R	|	1		

REHESRC1: EXIT Source of R empl plan #1

Value	
.C=Cov,DK by whose emplyr	356
.D=DK	73
.M=Oth missing	562
.R=RF	33
.T=Cov,DK whether by emplyr	460
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No employer-provided insu	9514
1.Respondent	2033
2.Current Spouse	836
3.Former Spouse	398

REHESRC2: EXIT Source of R empl plan #2

Value	
.C=Cov,DK by whose emplyr	18
.D=DK	20
.M=Oth missing	537
.P=Only one plan carried fr	47
.R=RF	1
.S=Skip,question not asked	1829
.T=Cov,DK whether by emplyr	47
.X=No more plans	5937
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No employer-provided insu	5718
1.Respondent	71
2.Current Spouse	30
3.Former Spouse	10

REHESRC3: EXIT Source of R empl plan #3

Value	
.M=Oth missing	531
.Q=Not asked this wv	3727
.T=Cov,DK whether by emplyr	3
.X=No more plans	4886
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No employer-provided insu	5112
1.Respondent	4
2.Current Spouse	2

How Constructed

Core Interview Variables

These variables provide source and coverage information about individual employer-provided health insurance plans. RwHESRCx, the source, may be a current or previous employer or union of the Respondent or spouse, and Respondent and spouse can be covered. If the Respondent is self-employed, health insurance provided by his business is considered employer-provided. There are variables for

each plan. The number of plans for which information was collected varies from wave to wave. RwHESRCx indicates the source of the health insurance plan, where "x" denotes the plan number. RwHECOVx indicates who is covered under the plan.

For each plan the Respondent is asked for the source. If the plan is provided by the Respondent's business, current or previous employer or union, then we set RwHESRCx to "Respondent." If the plan comes from the Respondent's spouse's current or former employer or union or from an ex-spouse, then we set RwHESRCx to "Spouse."

We also collect information on who is covered under each insurance plan. If the Respondent reports that s/he is covered but no-one else is covered, then RwHECOVx is set to "Respondent only covered." If the Respondent is not given an opportunity to report if anyone else is covered or answers "don't know" or "refused" to the anyone else covered question, then RwHECOVx is set to "Respondent, don't know about Spouse." If the Respondent reports that her/his spouse is also covered under the Respondent's plan, then RwHECOVx is set to "Both."

In Wave 1 only the Financial Respondent answered the questions. S/he is asked first about her/his primary plan and whether others are covered under this plan, and then s/he is asked if her/his spouse has any additional health insurance plans. So it is possible for the spouse to be covered under the Financial Respondent's plan and not have any additional plans. Then, R1HESRC1=6 is a special value indicating that the Respondent is a Non-Financial Respondent and is only covered under the Financial Respondent's primary plan. If the non-Financial Respondent also has an additional plan, the R1HESRC1 will contain information about the additional plan, and the spouse variables (S1HECOV) will hold the information regarding the Financial Respondent's plan. So it is important to look at the spouse variables as well as the Respondent variables to get a full picture of the non-Financial Respondent's coverage in Wave 1.

In Wave 2H, the source of the plan is not asked if a preloaded value indicates that the Respondent reported being covered by employer-provided health insurance at Wave 1 and if the Respondent indicates that s/he is still covered by that source. The HRS documentation indicates that the preloaded value is taken from specific Wave 1 variables. In these cases, the Wave 1 variable is used to determine whether the plan that continues to cover the Respondent in Wave 2 is the Respondent's or the spouse's plan. If it is the Respondent's plan then R2HESRCx is set to "Respondent." If it is the spouse's plan then R2HESRCx is set to "Spouse." If the preloaded value does not indicate Wave 1 coverage, or if the Respondent does not say s/he is still covered by that source, then questions similar to the Wave 1 questions are asked, and if the source of any plan that covers the Respondent is the Respondent's current or previous employer, union, or own business, then R2HESRCx is set to "Respondent." If the source of any plan that covers the Respondent is the spouse's current or previous employer, or union, then R2HESRCx is set to "Spouse."

In Wave 2A, questions about non-government health insurance do not include any information about the source of the coverage. So for the AHEAD Respondents, R2HESRCx and R2HECOVx are set to .Q, to indicate that no information is available.

From Wave 3 forward, the questions do not depend on answers given in previous waves. In Wave 3A, a question asks if the Respondent is covered by any non-government health plan besides long-term care insurance.

In Waves 3H, 4 and 5, a question asks if the Respondent is covered by any employer provided health insurance, or if self-employed, through the business. If no health insurance is reported in these questions RwHESRCx is set to "0" and RwHECOVx is set to .N - no employer related insurance. If the Respondent reports having health insurance, then RwHECOVx is set to "Respondent only." RwHESRCx is set to "Respondent" if the source is the Respondent's current or previous employer or union, or if the Respondent is self-employed and has health insurance through the business. If the Respondent reports that her/his spouse is also covered under this insurance, then RwHECOVx is set to "Both." RwHESRCx is set to "Spouse" if the source is the spouse's current or previous employer or union. If the Respondent doesn't know if anyone else is covered or reports that someone else is covered but doesn't know who, then RwHECOVx is set to "Respondent, don't know about spouse."

In Wave 3A, if the source of insurance is unknown (DK/RF), then RwHESRCx and RwHECOVx are set to missing (.D/.R). If no source is unknown and none of the sources indicate the Respondent's and the Respondent's spouse's employer, then RwHESRCx is set to "0" and RwHECOVx is set to .N.

In Wave 3H and from Wave 4 forward, if the Respondent reports employer-provided insurance but the source of coverage is "other," "don't know," or "refused" then RwHESRCx is set to special missing .C, covered but don't know the source. RwHECOVx is still reported and so it is possible for RwHESRCx to be a special missing and RwHECOVx not missing. This happens most often for self-employed Respondents in Waves 3H and 4 who did not have insurance through the business but did through an employer. In Wave

3H and from Wave 4 on, if RwHESRCx is .C and the spouse of the Respondent indicates whether or not the Respondent is covered by her/his (the spouse's) employer-provided insurance, then RwHESRCx is set according to the spouse information.

Beginning in Wave 6, the self-employed are no longer asked the health insurance question separately; it is combined with current employer. Note that because questions are skipped based on the Respondent's marital status in Waves 6 and 7, spouse's current or previous employer is not directly asked as the source if the Respondent is not married/partnered. In prior waves, there is no such limitation, and some reported a spouse's employer as the source of insurance even when not married. From Wave 8 forward, ever-married Respondents are asked about former spouse's employers as the source of insurance.

S1HESRCx and S1HECOVx for Wave 1 are taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HESRCx and S1HECOVx are the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HESRCx and S1HECOVx are the Financial Respondent's information.

From Wave 2 on, SwHESRCx and SwHECOVx are derived from the spouse's self-reported RwHESRCx and RwHECOVx variables, if available.

Exit Interview Variables

REHESRC1, REHESRC2 and REHESRC3 provide source and coverage information about individual employer-provided health insurance plans. The source may be a current or previous employer or union of the Respondent or spouse. If the Respondent is self-employed, health insurance provided by the business is considered employer-provided too. The number of plans about which data was collected varies across the waves. There are up to two plans for Waves 2H to 5, and up to three plans from Wave 6 on. REHESRCx indicates the source of the health insurance plan, where "x" denotes the plan number, 1, 2 or 3.

If the plan is provided by the Respondent's own business, last or former employer or union, then REHESRCx is coded to "Respondent." If the plan is from the Respondent's spouse's current or former employer or union or from an ex-spouse, then REHESRCx is set to one of the "Spouse" codes. In Waves 1 through 5 for both the Core Interview and the Exit Interview measures there is no distinction between current or former spouse, therefore the code for any spouse is "Current Spouse." In Wave 6 and on, more specific survey questions are asked of those with different marital situations, to add the code "Former Spouse."

If there are no plans reported, REHESRC1=0 and REHESRC2=0 for all waves and REHESRC3=0 for Waves 6 on. For Waves 2H to 5, when the number of plans is reported as 1, REHESRC2=.X and REHESRC3=.X, indicating no more plans. From Wave 6 on, when the number of plans is reported as 2, REHESRC3=.X, no more plans.

For Exit Interview Wave 2H, the proxy is not asked about the source of the plan if the proxy indicates that the Respondent had the same plan as captured in the preload, and the preload value indicates the Respondent reported being covered by employer-provided insurance at Wave 1. If the preloaded values do not indicate Wave 1 coverage or the proxy does not say it is the same coverage, then questions are asked about an insurance plan.

For Waves 3 and 6 forward if the proxy indicates a health insurance plan and the plan's source is unknown and no sources indicate either the Respondent's or spouse's employer, REHESRCx is assigned .T, meaning the Respondent is covered but we don't know whether by an employer. If no health insurance is reported, or no source is known or none of the sources indicate the Respondent's or the Respondent's spouse's employer, then REHESRCx is coded 0="No employer provided insurance."

Wave 4 has no questions that ask about specific sources for the employer-provided insurance. The proxy is asked if the Respondent had an employer-provided plan and, if so, how many plans. When the proxy indicates that the Respondent had employer-provided plan, REHESRCx are as assigned a value of .C, indicating the Respondent is covered by employer-provided insurance but it's not known by whose employer.

In Wave 5, a lead-in question determines if the Respondent was covered by any employer-provided or self-employed health insurance at death. If the proxy reports that the Respondent had health insurance, source questions are asked about up to two plans.

In Waves 6 and 7, there are skip patterns based on the Respondent's marital status, so spouse's employer or previous employer

are not a possible sources if the Respondent is not married/partnered. In prior waves, there is no such limitation, and some reported a spouse's employer as the source of insurance even when not married. From Wave 8 forward, any Respondent that ever reports are asked about former spouse's employers as the source of insurance.

In Wave 13, the proxy is asked if the health insurance plan that the Respondent had reported at the last Core Interview is the same plan that covered the Respondent at death. The preload variables for these health insurance plans are not included in the Wave 13 release of the Exit Interview measures. If the previous plan is indicated we pull forward information on REHESRCx for up to three plans from the last Core Interview before death.

Core and Exit Differences

Exit Interview Waves 3A and 3H are similar to Core Interview Wave 3A.

In Exit Interview Wave 4 the proxy is not asked questions about the specific source of employer-provided insurance, so REHESRCx from this wave is assigned a value of .C, indicating the Respondent was covered by employer-provided insurance but it's not known by whose employer.

Exit Interview Wave 4 and Exit Interview Wave 5 utilize the number of plans in assigning a code to REHESRC2. If the number of plans is 1, REHESRC2=.X.

In Exit Interview Wave 6 the question about obtaining insurance through a Respondent's former employer is not included.

In Exit Interview Wave 13, the proxy is asked if the preload plans are still the same as the plan the Respondent had at death? If this is the case, the last Core Interview measures are utilized. This is done for up to 3 plans.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1, the private health insurance questions begin with: "Do you have any type of health insurance coverage obtained through your [or your spouse's] employer, former employer or union, such as Blue Cross-Blue Shield or a Health Maintenance Organization?" If yes, the Financial Respondent is asked how many plans and the source of up to two plans. The source of insurance can be the Respondent's current or former employer, the Respondent's union, Respondent's spouse's current or former employer or union, and other. If the Financial Respondent is married and reported having employer-provided health insurance, the first question about the spouse's private health insurance coverage is: "You told me earlier that you obtain health insurance through an employer or union. Is your spouse covered by the same insurance plan(s)?"

If so, the Financial Respondent is then asked by which (if more than one plan). The questions then ask if the Financial Respondent's spouse is covered by any additional employer-provided health insurance, and if so, the source of up to two plans. We also collect information for up to two plans for the spouse. If the spouse is covered by the Financial Respondent's plan and also has additional plans, then we use additional information first and the Financial Respondent's plan information can be found in the S1HESRCx and S1HECOVx variables. If they do not have additional plans and are only covered by the Financial Respondent's plan, then we use the special value '6' to indicate that the Respondent is a covered Non-Financial Respondent.

So R1HESRC1 is the first plan the Respondent reported to be covered under and R1HERTR1 is the first plan the Respondent reported to be covered in retirement. The analyst must look at the source variable to see whose employer is providing the coverage. This is only true in Wave 1 - in later waves if the source is not the Respondent's employer, the retirement coverage questions are not asked. So in later waves when SwHERTR1=1, then SwHESRC1=2 (Spouse's employer). In Wave 2 if the Respondent says s/he is still covered under her/his Wave 1 plan, then we carry her/his first Wave 1 plan information forward.

The definition of these new insurance variables is slightly different from the more general ones (RwCOVR/RwCOVS and RwCOVRT) and the two sets do not always match up. For example, there are 9 cases in Wave 1 where the Respondent says s/he has one plan but gives information about two. For these cases R1COVR=1, but in the detailed variable derivation the number of plans limits the plan information examined, so the second plan source is ignored. There are also 18 cases that have R2COVRT=1, but the detailed variables do not indicate coverage in retirement. For R2COVRT, the Wave 2 information is being carried forward from the second plan in Wave 1. The detailed variable derivation only carries information on one Wave 1 plan forward to Wave 2, so the detailed variable R2HERTR2 is set to .P instead of 1.

For the Financial Respondent in Wave 1, and for Waves 2H and 3, up to two insurance plans are asked about. In Waves 4 and 5, only one employer-provided health insurance plan is asked about. The question wording asks for information about plans in order of importance. From Wave 6 forward, data is collected about three plans.

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the following question is asked: "According to our records, in [Wave 1 interview month] you were covered by health insurance from [source of plan preloaded from W1]. Are you still covered by the same employer health insurance policy as before?" If yes, no further questions on source of insurance are asked. If the Respondent is the Financial Respondent in Wave 2H and says the records show wrong coverage, a follow-up question asks for a corrected source of insurance at the last interview and whether the Respondent is still covered. If the Respondent was not the Financial Respondent in Wave 1 and says the records show wrong coverage, or if the Respondent (Financial Respondent or not) responds with any other answer except "yes," questions almost identical to those asked in Wave 1 regarding coverage and its source are asked.

In Wave 2H, additional answers for the source of health insurance are possible. In particular, "Through own business" and "Purchased through own business/self-employment" are added to address the coverage of those self-employed.

In Wave 2A, questions about other health insurance are asked but there are no questions to indicate whether the source of that insurance is a current or previous employer.

In Wave 3A, the question about other health insurance is followed up by asking the source of the insurance. Besides current or previous employers and unions of the Respondent and spouse, the source can be other organizations or self. There are two questions about source of coverage, one for the first, or most important plan, and the other about other plans, with the option to answer all that apply.

In Waves 3H, 4 and 5, self-employed Respondents are asked: "Do you have health insurance through that business that pays hospital or doctor bills?" If self-employed and not covered through the business, or if not self-employed, the Respondent is asked if s/he is covered by any employer-provided health insurance. If "yes," the source of the coverage is asked. Unfortunately, in Waves 3H and 4, the specific source of coverage was skipped if the Respondent was self-employed, not covered by the business, but was covered by an employer-provided insurance. This is corrected in Wave 5.

In Waves 6 forward, the questions about sources of employer-provided health insurance are asked about up to three plans, and they are asked differently than in previous waves. The questions about source of insurance are asked separately, in the following order until the source is reported:

1. Only if the Respondent is working: "Do you obtain this health insurance through Current employer/Own Business of yours?"
2. "Did you obtain this health insurance through a former employer of yours?"
3. Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's Current employer?"
4. Only if the Respondent is married/partnered: "Do you obtain this health insurance through your spouse/partner's former employer?"
5. "Did you purchase this plan directly from an insurance company, through your/your spouse's union, through a group such as AARP, a church, or other organization, or what?"

From Wave 8 forward, question 3 is also asked of those who are separated, divorced, or who have had their marriage annulled, with the following wording "Do you obtain this health insurance through your former spouse/partner's Current employer?" Question 4 is asked of this expanded group and those who are widowed as: "Do you obtain this health insurance through your former spouse/partner's former employer?"

Note that in prior waves, the Respondent's current employer could be given as the source even if the Respondent is not working, and the spouse's employer could be given as the source even if the Respondent is not married or partnered. Former and deceased spouse's employers have been coded as the source if mentioned in response to the 5th question in the final release of 2002 (W6) and 2004 (W7) data.

For Wave 3H and from Wave 4 forward, if coverage is from the Respondent's employer or union, the Respondent is also asked who else is covered on this health insurance, and the response options include a code for spouse.

Exit Interview Variables

Wave 2H utilizes preloads if the proxy indicates the Respondent was covered by the same insurance as in Wave 1.

Note that in Waves 2H, 4 and 5, special cases are coded as .C, covered but it's not known by whose employer, Respondent's or spouse's. Interview Wave 4 proxy is only asked 2 questions about employer insurance. The first question is, "At time of death, was the Respondent covered by any employer-provided health insurance?" and "How many different employer-provided health insurance plans was the Respondent covered by when he died?" No questions about specific sources of insurance are asked, therefore Wave 4 is coded .C.

In Wave 3, and from Wave 6 forward, the first private insurance questions asked are the number of "other" (non-government) health insurance plans. If the proxy does not provide a source of the insurance, .E is assigned to indicate the presence of health insurance, and it's not known whether it was obtained through an employer.

From Wave 6 forward, questions about sources of employer-provided health insurance are asked about up to three plans, and they are asked differently than in previous waves. The questions about source of insurance are asked separately, in the following order until the source and number of plans are reported,

1. How many other such plans did the Respondent have at the time of death? (Other than Medicare/HMO, do not include long-term care insurance).
2. Only if the Respondent was working "Do R obtain this health insurance through Current employer/Own Business?"
3. "Did the Respondent obtain this health insurance through a former employer?"
4. Only if the Respondent was married/partnered, "Did the Respondent obtain this health insurance through his/her spouse/partner's current employer?"
5. Only if the Respondent was married/partnered, "Did the Respondent obtain this health insurance through his/her spouse/partner's former employer?"
6. "Did the Respondent purchase this plan directly from an insurance company, through his/her spouse's union, through a group such as AARP, a church, or other organization, or what?"

Please note that responses to question three of the Exit interview measures for Wave 6 were not available thus REHESRCx is constructed without that response.

Responses from question 6 from Exit Interview Waves 6 through 8 include a code for former or deceased spouse's employer/union.

From Wave 8 forward, question four is also asked of those who are separated, divorced, or who have had their marriage annulled, with the following wording, "Did s/he obtain this health insurance through his/her former spouse/partner's current employer?" Questions five

and six are asked of this expanded group and those who are widowed as, "Did s/he obtain this health insurance through his or her former spouse/partner's former employer?"

From Exit Wave 13 forward we utilize preloads if the proxy indicates the Respondent was covered by the same insurance plan source as the previous wave. Since the preload plan source was not included in our data for Exit Wave 13, we utilize the last Core Interview measures.

HRS Variables Used

Core Interview Variables

HRS 1992:

V6614	R3:R1EMPLR HLTH INS PLAN
V6615	R3A:R1EMP:#PLANS HAVE
V6616	R4:R1EMP:#1:HOW OBTAINED
V6624	R4:R1EMP:#2:HOW OBTAINED
V6808	R22:R2COV BY R'S EMP INS
V6809	R23:CKPT:ONLY 1 PLAN/OTH
V6810	R24A:PLAN1 COV BOTH R SP
V6811	R24B:PLAN2 COVERS BOTH
V6813	R25:R2HAS OTHR EMP INS
V6814	R26:R2EMPLR HLTH INS PLN
V6815	R26A:R2EMP:#PLANS HAVE
V6816	R27:R2EMP:#1:HOW OBTAINED
V6824	R27:R2EMP:#2:HOW OBTAINED

HRS 1994:

W6705	R2-1.COVERED BY SAME POL
W6706	R2a-1.WHO PROVIDED HEALT
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6709	R2-2b.STILL COVERED BY S
W6724	R4.CURRENT HEALTH INS FR
W6726	P1. R5.HOW OBTAINED
W6740	P2. R5.HOW OBTAINED

AHEAD 1995:

D5214	R9. OTHER HEALTH INSURANCE
D5215	R9A.# OTHER HEALTH INS
D5225M1	R10D-1. HOW OBTAIN OTHER HMO-1
D5225M2	R10D-2. HOW OBTAIN OTHER HMO-1
D5225M3	R10D. HOW OBTAIN OTHER HMO-1
D5242M1	R11D-1. HOW OBTAIN OTHER HMO-1
D5242M2	R11D-2. HOW OBTAIN OTHER HMO-1

HRS 1996:

E5158	R12X.SELF-EMP INSURANCE
E5160	R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
E5163_1	R15.HOW OBTAIN INSURANCE
E5163_2	R15.HOW OBTAIN INSURANCE
E5172_1	R19C.ANYONE ELSE COVERED
E5172_2	R19C.ANYONE ELSE COVERED
E5173001	R19D.WHO COVERED?
E5173002	R19D.WHO COVERED?
E5173003	R19D.WHO COVERED?
E5173004	R19D.WHO COVERED?
E5173005	R19D.WHO COVERED?
E5173011	R19D.WHO COVERED?
E5173012	R19D.WHO COVERED?
E5173013	R19D.WHO COVERED?

E5173014	R19D.WHO COVERED?
E5173015	R19D.WHO COVERED?
HRS 1998:	
F5891	R12X.SELF-EMP INSURANCE
F5893	R13.ANY INSURANCE FOR HOSP/DR BILLS
F5896	R15.HOW OBTAIN INSURANCE
F5905	R19C.ANYONE ELSE COVERED
F5906M1	R19D.WHO COVERED?
F5906M2	R19D.WHO COVERED?
F5906M3	R19D.WHO COVERED?
F5906M4	R19D.WHO COVERED?
F5906M5	R19D.WHO COVERED?
F5906M6	R19D.WHO COVERED?
HRS 2000:	
G6264	R12AA.SELF-EMP INSURANCE
G6266	R13.ANY INSURANCE THRU AN EMPLOYER
G6269	R15.HOW OBTAIN INSURANCE
G6278	R19C.ANYONE ELSE COVERED
G6279M1	R19D.WHO COVERED?
G6279M2	R19D.WHO COVERED?
G6279M3	R19D.WHO COVERED?
G6279M4	R19D.WHO COVERED?
G6279M5	R19D.WHO COVERED?
G6279M6	R19D.WHO COVERED?
G6330	R54.IS ANYONE ELSE COVERED
G6331M1	R54A.WHO ELSE COVERED
G6331M2	R54A.WHO ELSE COVERED
G6331M3	R54A.WHO ELSE COVERED
G6331M4	R54A.WHO ELSE COVERED
G6331M5	R54A.WHO ELSE COVERED
G6331M6	R54A.WHO ELSE COVERED
HRS 2004:	
JN049_2E	PRIV PLAN HI- WHO COVERED-2-5
JN049_2F	PRIV PLAN HI- WHO COVERED -2
JN049_3E	PRIV PLAN HI- WHO COVERED- 3- 5
HRS 2006:	
KN049_2E	PRIV PLAN HI- WHO COVERED -2- 5
KN049_2F	PRIV PLAN HI- WHO COVERED -2- 6
KN049_3E	PRIV PLAN HI- WHO COVERED- 3- 5
HRS 2008:	
LN049_2E	PRIV PLAN HI- WHO COVERED -2- 5
LN049_2F	PRIV PLAN HI- WHO COVERED -2- 6
HRS 2010:	
MN049_2E	PRIV PLAN HI- WHO COVERED -2- 5
MN049_2F	PRIV PLAN HI- WHO COVERED- 2- 6
MN049_3E	PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2014:	
ON049_2E	PRIV PLAN HI- WHO COVERED- 2- 5
ON049_2F	PRIV PLAN HI- WHO COVERED- 2- 6
HRS 2014:	
ON049_1G	PRIV PLAN HI- WHO COVERED- 1- 7
ON049_1H	PRIV PLAN HI- WHO COVERED- 1- 8
HRS 2016:	
PN049_2E	PRIV PLAN HI- WHO COVERED- 2- 5
PN049_2F	PRIV PLAN HI- WHO COVERED- 2- 6
HRS 2016:	
PN280_1	NAME PRIVATE HEALTH INSURANCE PLAN -1
PN280_2	NAME PRIVATE HEALTH INSURANCE PLAN -2
PN280_3	NAME PRIVATE HEALTH INSURANCE PLAN -3

PN485_1	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
PN485_2	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
PN485_3	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
PZ553_1	PRIVATE INSURANCE PLAN SOURCE - 1
PZ553_2	PRIVATE INSURANCE PLAN SOURCE - 2
PZ553_3	PRIVATE INSURANCE PLAN SOURCE - 3
HRS 2002-2016:	
xN023	NUM PRIVATE HEALTH INS PLANS
xN033_1	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
xN033_2	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
xN033_3	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
xN034_1	OBTAIN INS THRU FORMER EMPLOYER- 1
xN034_2	OBTAIN INS THRU FORMER EMPLOYER- 2
xN034_3	OBTAIN INS THRU FORMER EMPLOYER- 3
xN035_1	OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
xN035_2	OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
xN035_3	OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
xN036_1	OBTAIN INS THRU HWP FORMER EMPLOYER- 1
xN036_2	OBTAIN INS THRU HWP FORMER EMPLOYER- 2
xN036_3	OBTAIN INS THRU HWP FORMER EMPLOYER- 3
xN037_1	WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
xN037_2	WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
xN037_3	WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
xN048_1	PRIV PLAN HI- ANYONE ELSE COVERED- 1
xN048_2	PRIV PLAN HI- ANYONE ELSE COVERED- 2
xN048_3	PRIV PLAN HI- ANYONE ELSE COVERED- 3
xN049_1A	PRIV PLAN HI- WHO COVERED- 1- 1
xN049_1B	PRIV PLAN HI- WHO COVERED- 1- 2
xN049_1C	PRIV PLAN HI- WHO COVERED- 1- 3
xN049_1D	PRIV PLAN HI- WHO COVERED- 1- 4
xN049_1E	PRIV PLAN HI- WHO COVERED- 1- 5
xN049_1F	PRIV PLAN HI- WHO COVERED- 1- 6
xN049_2A	PRIV PLAN HI- WHO COVERED- 2- 1
xN049_2B	PRIV PLAN HI- WHO COVERED- 2- 2
xN049_2C	PRIV PLAN HI- WHO COVERED- 2- 3
xN049_2D	PRIV PLAN HI- WHO COVERED- 2- 4
xN049_3A	PRIV PLAN HI- WHO COVERED- 3- 1
xN049_3B	PRIV PLAN HI- WHO COVERED- 3- 2
xN049_3C	PRIV PLAN HI- WHO COVERED- 3- 2
xN049_3D	PRIV PLAN HI- WHO COVERED- 3- 4
HRS 2004-2006:	
xN049_3F	PRIV PLAN HI- WHO COVERED- 3- 6

Exit Interview Variables

HRS 1994:	
W6705	R2-1.COVERED BY SAME POL
W6706	R2a-1.WHO PROVIDED HEALT
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6709	R2-2b.STILL COVERED BY S
W6724	R4.CURRENT HEALTH INS FR
W6725	R4a.# HEALTH INS PLANS F
W6726	P1. R5.HOW OBTAINED
W6740	P2. R5.HOW OBTAINED
AHEAD 1995:	
N5339	R9.OTHER HEALTH INSURANCE
N5340	R9a.# OTHER HEALTH INS

N5341M1	R10d.HOW OBTAIN OTHER HMO-1
N5341M2	R10d.HOW OBTAIN OTHER HMO-1
N5362M1	R11d.HOW OBTAIN OTHER HMO-1
N5362M2	R11d.HOW OBTAIN OTHER HMO-1
HRS 1996:	
P2231	R9. OTHER HEALTH INSURANCE
P2232	R9a.# OTHER HEALTH INS
P2233M1	R10d. HOW OBTAIN OTHER HMO-1
P2233M2	R10d. HOW OBTAIN OTHER HMO-1
P2254M1	R11d. HOW OBTAIN OTHER HMO-1
P2254M2	R11d. HOW OBTAIN OTHER HMO-1
HRS 1998:	
Q2585	R13.ANY INSURANCE FOR HOSP/DR BILLS
Q2586	R14.NUMBER OF PLANS
HRS 2000:	
R2611	R12aa.SELF-EMP INSURANCE
R2613	R13.ANY INSURANCE THRU AN EMPLOYER
R2616	R15.HOW OBTAIN INSURANCE
HRS 2016:	
ZN280_1	NAME PRIVATE HEALTH INSURANCE PLAN -1
ZN280_2	NAME PRIVATE HEALTH INSURANCE PLAN -2
ZN280_3	NAME PRIVATE HEALTH INSURANCE PLAN -3
ZN485_1	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
ZN485_2	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
ZN485_3	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
HRS 2002-2016:	
xN033_1	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
xN033_2	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
xN033_3	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
xN035_1	OBTAIN INS THRU HWP CURRENT EMPLOYER- 1
xN035_2	OBTAIN INS THRU HWP CURRENT EMPLOYER- 2
xN035_3	OBTAIN INS THRU HWP CURRENT EMPLOYER- 3
xN036_1	OBTAIN INS THRU HWP FORMER EMPLOYER- 1
xN036_2	OBTAIN INS THRU HWP FORMER EMPLOYER- 2
xN036_3	OBTAIN INS THRU HWP FORMER EMPLOYER- 3
xN037_1	WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
xN037_2	WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
xN037_3	WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
HRS 2004-2016:	
xN034_1	OBTAIN INS THRU FORMER EMPLOYER -1
xN034_2	OBTAIN INS THRU FORMER EMPLOYER -2
xN034_3	OBTAIN INS THRU FORMER EMPLOYER -3

Tracker Variables

Tracker:

AFINR	WHETHER FINANCIAL RESPONDENT
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Plan-specific employer-provided health insurance: Coverage in retirement

Wave	Variable	Label	Type
1	R1HERTR1	R1HERTR1:W1 R coverage by R in retirement #1	Categ
2	R2HERTR1	R2HERTR1:W2 R coverage by R in retirement #1	Categ
3	R3HERTR1	R3HERTR1:W3 R coverage by R in retirement #1	Categ
4	R4HERTR1	R4HERTR1:W4 R coverage by R in retirement #1	Categ
5	R5HERTR1	R5HERTR1:W5 R coverage by R in retirement #1	Categ
6	R6HERTR1	R6HERTR1:W6 R coverage by R in retirement #1	Categ
7	R7HERTR1	R7HERTR1:W7 R coverage by R in retirement #1	Categ
8	R8HERTR1	R8HERTR1:W8 R coverage by R in retirement #1	Categ
9	R9HERTR1	R9HERTR1:W9 R coverage by R in retirement #1	Categ
10	R10HERTR1	R10HERTR1:W10 R coverage by R in retirement #1	Categ
11	R11HERTR1	R11HERTR1:W11 R coverage by R in retirement #1	Categ
12	R12HERTR1	R12HERTR1:W12 R coverage by R in retirement #1	Categ
13	R13HERTR1	R13HERTR1:W13 R coverage by R in retirement #1	Categ
1	S1HERTR1	S1HERTR1:W1 R coverage by Sp in retirement #1	Categ
2	S2HERTR1	S2HERTR1:W2 R coverage by Sp in retirement #1	Categ
5	S5HERTR1	S5HERTR1:W5 R coverage by Sp in retirement #1	Categ
6	S6HERTR1	S6HERTR1:W6 R coverage by Sp in retirement #1	Categ
7	S7HERTR1	S7HERTR1:W7 R coverage by Sp in retirement #1	Categ
8	S8HERTR1	S8HERTR1:W8 R coverage by Sp in retirement #1	Categ
9	S9HERTR1	S9HERTR1:W9 R coverage by Sp in retirement #1	Categ
10	S10HERTR1	S10HERTR1:W10 R coverage by Sp in retirement #1	Categ
11	S11HERTR1	S11HERTR1:W11 R coverage by Sp in retirement #1	Categ
12	S12HERTR1	S12HERTR1:W12 R coverage by Sp in retirement #1	Categ
13	S13HERTR1	S13HERTR1:W13 R coverage by Sp in retirement #1	Categ
1	R1HERTR2	R1HERTR2:W1 R coverage by R in retirement #2	Categ
2	R2HERTR2	R2HERTR2:W2 R coverage by R in retirement #2	Categ
3	R3HERTR2	R3HERTR2:W3 R coverage by R in retirement #2	Categ
6	R6HERTR2	R6HERTR2:W6 R coverage by R in retirement #2	Categ
7	R7HERTR2	R7HERTR2:W7 R coverage by R in retirement #2	Categ
8	R8HERTR2	R8HERTR2:W8 R coverage by R in retirement #2	Categ
9	R9HERTR2	R9HERTR2:W9 R coverage by R in retirement #2	Categ
10	R10HERTR2	R10HERTR2:W10 R coverage by R in retirement #2	Categ
11	R11HERTR2	R11HERTR2:W11 R coverage by R in retirement #2	Categ
12	R12HERTR2	R12HERTR2:W12 R coverage by R in retirement #2	Categ
13	R13HERTR2	R13HERTR2:W13 R coverage by R in retirement #2	Categ
1	S1HERTR2	S1HERTR2:W1 R coverage by Sp in retirement #2	Categ
2	S2HERTR2	S2HERTR2:W2 R coverage by Sp in retirement #2	Categ
6	S6HERTR2	S6HERTR2:W6 R coverage by Sp in retirement #2	Categ
7	S7HERTR2	S7HERTR2:W7 R coverage by Sp in retirement #2	Categ
8	S8HERTR2	S8HERTR2:W8 R coverage by Sp in retirement #2	Categ
9	S9HERTR2	S9HERTR2:W9 R coverage by Sp in retirement #2	Categ
10	S10HERTR2	S10HERTR2:W10 R coverage by Sp in retirement #2	Categ
11	S11HERTR2	S11HERTR2:W11 R coverage by Sp in retirement #2	Categ
12	S12HERTR2	S12HERTR2:W12 R coverage by Sp in retirement #2	Categ
13	S13HERTR2	S13HERTR2:W13 R coverage by Sp in retirement #2	Categ
6	R6HERTR3	R6HERTR3:W6 R coverage by R in retirement #3	Categ
7	R7HERTR3	R7HERTR3:W7 R coverage by R in retirement #3	Categ
8	R8HERTR3	R8HERTR3:W8 R coverage by R in retirement #3	Categ
9	R9HERTR3	R9HERTR3:W9 R coverage by R in retirement #3	Categ
10	R10HERTR3	R10HERTR3:W10 R coverage by R in retirement #3	Categ
11	R11HERTR3	R11HERTR3:W11 R coverage by R in retirement #3	Categ
12	R12HERTR3	R12HERTR3:W12 R coverage by R in retirement #3	Categ
13	R13HERTR3	R13HERTR3:W13 R coverage by R in retirement #3	Categ
6	S6HERTR3	S6HERTR3:W6 R coverage by Sp in retirement #3	Categ
7	S7HERTR3	S7HERTR3:W7 R coverage by Sp in retirement #3	Categ
8	S8HERTR3	S8HERTR3:W8 R coverage by Sp in retirement #3	Categ
9	S9HERTR3	S9HERTR3:W9 R coverage by Sp in retirement #3	Categ
10	S10HERTR3	S10HERTR3:W10 R coverage by Sp in retirement #3	Categ
11	S11HERTR3	S11HERTR3:W11 R coverage by Sp in retirement #3	Categ
12	S12HERTR3	S12HERTR3:W12 R coverage by Sp in retirement #3	Categ
13	S13HERTR3	S13HERTR3:W13 R coverage by Sp in retirement #3	Categ

1	R1HERTS1	R1HERTS1:W1 Sp coverage by R in retirement #1	Categ
2	R2HERTS1	R2HERTS1:W2 Sp coverage by R in retirement #1	Categ
5	R5HERTS1	R5HERTS1:W5 Sp coverage by R in retirement #1	Categ
6	R6HERTS1	R6HERTS1:W6 Sp coverage by R in retirement #1	Categ
7	R7HERTS1	R7HERTS1:W7 Sp coverage by R in retirement #1	Categ
8	R8HERTS1	R8HERTS1:W8 Sp coverage by R in retirement #1	Categ
9	R9HERTS1	R9HERTS1:W9 Sp coverage by R in retirement #1	Categ
10	R10HERTS1	R10HERTS1:W10 Sp coverage by R in retirement #1	Categ
11	R11HERTS1	R11HERTS1:W11 Sp coverage by R in retirement #1	Categ
12	R12HERTS1	R12HERTS1:W12 Sp coverage by R in retirement #1	Categ
13	R13HERTS1	R13HERTS1:W13 Sp coverage by R in retirement #1	Categ
1	S1HERTS1	S1HERTS1:W1 Sp coverage by Sp in retirement #1	Categ
2	S2HERTS1	S2HERTS1:W2 Sp coverage by Sp in retirement #1	Categ
3	S3HERTS1	S3HERTS1:W3 Sp coverage by Sp in retirement #1	Categ
4	S4HERTS1	S4HERTS1:W4 Sp coverage by Sp in retirement #1	Categ
5	S5HERTS1	S5HERTS1:W5 Sp coverage by Sp in retirement #1	Categ
6	S6HERTS1	S6HERTS1:W6 Sp coverage by Sp in retirement #1	Categ
7	S7HERTS1	S7HERTS1:W7 Sp coverage by Sp in retirement #1	Categ
8	S8HERTS1	S8HERTS1:W8 Sp coverage by Sp in retirement #1	Categ
9	S9HERTS1	S9HERTS1:W9 Sp coverage by Sp in retirement #1	Categ
10	S10HERTS1	S10HERTS1:W10 Sp coverage by Sp in retirement #1	Categ
11	S11HERTS1	S11HERTS1:W11 Sp coverage by Sp in retirement #1	Categ
12	S12HERTS1	S12HERTS1:W12 Sp coverage by Sp in retirement #1	Categ
13	S13HERTS1	S13HERTS1:W13 Sp coverage by Sp in retirement #1	Categ
1	R1HERTS2	R1HERTS2:W1 Sp coverage by R in retirement #2	Categ
2	R2HERTS2	R2HERTS2:W2 Sp coverage by R in retirement #2	Categ
6	R6HERTS2	R6HERTS2:W6 Sp coverage by R in retirement #2	Categ
7	R7HERTS2	R7HERTS2:W7 Sp coverage by R in retirement #2	Categ
8	R8HERTS2	R8HERTS2:W8 Sp coverage by R in retirement #2	Categ
9	R9HERTS2	R9HERTS2:W9 Sp coverage by R in retirement #2	Categ
10	R10HERTS2	R10HERTS2:W10 Sp coverage by R in retirement #2	Categ
11	R11HERTS2	R11HERTS2:W11 Sp coverage by R in retirement #2	Categ
12	R12HERTS2	R12HERTS2:W12 Sp coverage by R in retirement #2	Categ
13	R13HERTS2	R13HERTS2:W13 Sp coverage by R in retirement #2	Categ
1	S1HERTS2	S1HERTS2:W1 Sp coverage by Sp in retirement #2	Categ
2	S2HERTS2	S2HERTS2:W2 Sp coverage by Sp in retirement #2	Categ
3	S3HERTS2	S3HERTS2:W3 Sp coverage by Sp in retirement #2	Categ
6	S6HERTS2	S6HERTS2:W6 Sp coverage by Sp in retirement #2	Categ
7	S7HERTS2	S7HERTS2:W7 Sp coverage by Sp in retirement #2	Categ
8	S8HERTS2	S8HERTS2:W8 Sp coverage by Sp in retirement #2	Categ
9	S9HERTS2	S9HERTS2:W9 Sp coverage by Sp in retirement #2	Categ
10	S10HERTS2	S10HERTS2:W10 Sp coverage by Sp in retirement #2	Categ
11	S11HERTS2	S11HERTS2:W11 Sp coverage by Sp in retirement #2	Categ
12	S12HERTS2	S12HERTS2:W12 Sp coverage by Sp in retirement #2	Categ
13	S13HERTS2	S13HERTS2:W13 Sp coverage by Sp in retirement #2	Categ
6	R6HERTS3	R6HERTS3:W6 Sp coverage by R in retirement #3	Categ
7	R7HERTS3	R7HERTS3:W7 Sp coverage by R in retirement #3	Categ
8	R8HERTS3	R8HERTS3:W8 Sp coverage by R in retirement #3	Categ
9	R9HERTS3	R9HERTS3:W9 Sp coverage by R in retirement #3	Categ
10	R10HERTS3	R10HERTS3:W10 Sp coverage by R in retirement #3	Categ
11	R11HERTS3	R11HERTS3:W11 Sp coverage by R in retirement #3	Categ
12	R12HERTS3	R12HERTS3:W12 Sp coverage by R in retirement #3	Categ
13	R13HERTS3	R13HERTS3:W13 Sp coverage by R in retirement #3	Categ
6	S6HERTS3	S6HERTS3:W6 Sp coverage by Sp in retirement #3	Categ
7	S7HERTS3	S7HERTS3:W7 Sp coverage by Sp in retirement #3	Categ
8	S8HERTS3	S8HERTS3:W8 Sp coverage by Sp in retirement #3	Categ
9	S9HERTS3	S9HERTS3:W9 Sp coverage by Sp in retirement #3	Categ
10	S10HERTS3	S10HERTS3:W10 Sp coverage by Sp in retirement #3	Categ
11	S11HERTS3	S11HERTS3:W11 Sp coverage by Sp in retirement #3	Categ
12	S12HERTS3	S12HERTS3:W12 Sp coverage by Sp in retirement #3	Categ
13	S13HERTS3	S13HERTS3:W13 Sp coverage by Sp in retirement #3	Categ
1	R1HERET	R1HERET:W1 R covered in retirement /summary	Categ
2	R2HERET	R2HERET:W2 R covered in retirement /summary	Categ
3	R3HERET	R3HERET:W3 R covered in retirement /summary	Categ
4	R4HERET	R4HERET:W4 R covered in retirement /summary	Categ

5	R5HERET	R5HERET:W5 R covered in retirement /summary	Categ
6	R6HERET	R6HERET:W6 R covered in retirement /summary	Categ
7	R7HERET	R7HERET:W7 R covered in retirement /summary	Categ
8	R8HERET	R8HERET:W8 R covered in retirement /summary	Categ
9	R9HERET	R9HERET:W9 R covered in retirement /summary	Categ
10	R10HERET	R10HERET:W10 R covered in retirement /summary	Categ
11	R11HERET	R11HERET:W11 R covered in retirement /summary	Categ
12	R12HERET	R12HERET:W12 R covered in retirement /summary	Categ
13	R13HERET	R13HERET:W13 R covered in retirement /summary	Categ
1	S1HERET	S1HERET:W1 S covered in retirement /summary	Categ
2	S2HERET	S2HERET:W2 S covered in retirement /summary	Categ
3	S3HERET	S3HERET:W3 S covered in retirement /summary	Categ
4	S4HERET	S4HERET:W4 S covered in retirement /summary	Categ
5	S5HERET	S5HERET:W5 S covered in retirement /summary	Categ
6	S6HERET	S6HERET:W6 S covered in retirement /summary	Categ
7	S7HERET	S7HERET:W7 S covered in retirement /summary	Categ
8	S8HERET	S8HERET:W8 S covered in retirement /summary	Categ
9	S9HERET	S9HERET:W9 S covered in retirement /summary	Categ
10	S10HERET	S10HERET:W10 S covered in retirement /summary	Categ
11	S11HERET	S11HERET:W11 S covered in retirement /summary	Categ
12	S12HERET	S12HERET:W12 S covered in retirement /summary	Categ
13	S13HERET	S13HERET:W13 S covered in retirement /summary	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HERTR1	6812	3.34	1.48	0.0	4.0
R2HERTR1	6193	3.36	1.47	0.0	4.0
R3HERTR1	3646	1.28	0.96	0.0	2.0
R4HERTR1	4224	1.26	0.97	0.0	2.0
R5HERTR1	3737	1.37	1.27	0.0	3.0
R6HERTR1	3001	1.43	1.27	0.0	3.0
R7HERTR1	3701	1.23	1.25	0.0	3.0
R8HERTR1	2855	1.29	1.26	0.0	3.0
R9HERTR1	2360	1.22	1.24	0.0	3.0
R10HERTR1	4037	0.96	1.19	0.0	3.0
R11HERTR1	3520	0.93	1.19	0.0	3.0
R12HERTR1	2920	1.03	1.24	0.0	3.0
R13HERTR1	2686	0.76	1.13	0.0	3.0
S1HERTR1	3061	3.55	1.26	0.0	4.0
S2HERTR1	4816	3.50	1.32	0.0	4.0
S5HERTR1	1039	2.03	1.12	0.0	3.0
S6HERTR1	2079	1.23	1.33	0.0	3.0
S7HERTR1	2462	0.98	1.27	0.0	3.0
S8HERTR1	241	1.39	1.29	0.0	3.0
S9HERTR1	197	1.47	1.29	0.0	3.0
S10HERTR1	247	1.22	1.26	0.0	3.0
S11HERTR1	237	1.22	1.23	0.0	3.0
S12HERTR1	605	1.59	1.28	0.0	3.0
S13HERTR1	710	1.13	1.25	0.0	3.0
R1HERTR2	549	3.49	1.34	0.0	4.0
R2HERTR2	68	3.00	1.74	0.0	4.0
R3HERTR2	196	1.15	0.99	0.0	2.0
R6HERTR2	137	1.39	1.20	0.0	3.0
R7HERTR2	201	1.29	1.24	0.0	3.0
R8HERTR2	142	1.10	1.19	0.0	3.0
R9HERTR2	106	1.11	1.24	0.0	3.0

R10HERTR2	202	1.02	1.18	0.0	3.0
R11HERTR2	140	1.17	1.27	0.0	3.0
R12HERTR2	155	1.19	1.28	0.0	3.0
R13HERTR2	159	1.28	1.34	0.0	3.0
S1HERTR2	283	3.46	1.37	0.0	4.0
S2HERTR2	56	3.07	1.70	0.0	4.0
S6HERTR2	99	1.08	1.24	0.0	3.0
S7HERTR2	145	0.80	1.18	0.0	3.0
S8HERTR2	9	1.44	1.13	0.0	3.0
S9HERTR2	9	1.22	1.30	0.0	3.0
S10HERTR2	19	0.89	1.24	0.0	3.0
S11HERTR2	14	1.21	1.31	0.0	3.0
S12HERTR2	28	1.46	1.40	0.0	3.0
S13HERTR2	47	1.87	1.35	0.0	3.0
R6HERTR3	19	0.95	1.18	0.0	3.0
R7HERTR3	34	0.76	0.99	0.0	3.0
R8HERTR3	26	0.62	1.02	0.0	3.0
R9HERTR3	22	0.68	0.95	0.0	3.0
R10HERTR3	55	1.16	1.27	0.0	3.0
R11HERTR3	32	0.97	1.28	0.0	3.0
R12HERTR3	58	1.12	1.27	0.0	3.0
R13HERTR3	67	1.07	1.27	0.0	3.0
S6HERTR3	12	0.83	1.34	0.0	3.0
S7HERTR3	23	0.52	1.04	0.0	3.0
S8HERTR3	1	0.00	.	0.0	0.0
S10HERTR3	3	1.33	1.53	0.0	3.0
S11HERTR3	1	0.00	.	0.0	0.0
S12HERTR3	10	1.50	1.35	0.0	3.0
S13HERTR3	19	1.89	1.15	0.0	3.0
R1HERTS1	5447	3.52	1.30	0.0	4.0
R2HERTS1	4996	3.50	1.33	0.0	4.0
R5HERTS1	1066	2.03	1.12	0.0	3.0
R6HERTS1	2111	1.23	1.33	0.0	3.0
R7HERTS1	2529	0.98	1.27	0.0	3.0
R8HERTS1	245	1.39	1.30	0.0	3.0
R9HERTS1	206	1.47	1.29	0.0	3.0
R10HERTS1	265	1.19	1.25	0.0	3.0
R11HERTS1	248	1.23	1.23	0.0	3.0
R12HERTS1	654	1.59	1.28	0.0	3.0
R13HERTS1	876	1.05	1.24	0.0	3.0
S1HERTS1	3634	3.28	1.54	0.0	4.0
S2HERTS1	5073	3.43	1.40	0.0	4.0
S3HERTS1	2711	1.29	0.96	0.0	2.0
S4HERTS1	3136	1.26	0.96	0.0	2.0
S5HERTS1	2812	1.40	1.28	0.0	3.0
S6HERTS1	2237	1.45	1.28	0.0	3.0
S7HERTS1	2704	1.22	1.25	0.0	3.0
S8HERTS1	2085	1.29	1.26	0.0	3.0
S9HERTS1	1720	1.21	1.23	0.0	3.0
S10HERTS1	2696	0.96	1.20	0.0	3.0
S11HERTS1	2363	0.91	1.18	0.0	3.0
S12HERTS1	1929	0.99	1.23	0.0	3.0
S13HERTS1	1651	0.74	1.11	0.0	3.0

R1HERTS2	493	3.59	1.22	0.0	4.0
R2HERTS2	66	3.09	1.69	0.0	4.0
R6HERTS2	99	1.08	1.24	0.0	3.0
R7HERTS2	147	0.79	1.17	0.0	3.0
R8HERTS2	9	1.44	1.13	0.0	3.0
R9HERTS2	9	1.22	1.30	0.0	3.0
R10HERTS2	19	0.89	1.24	0.0	3.0
R11HERTS2	14	1.21	1.31	0.0	3.0
R12HERTS2	31	1.52	1.36	0.0	3.0
R13HERTS2	50	1.82	1.37	0.0	3.0
S1HERTS2	262	3.65	1.13	0.0	4.0
S2HERTS2	54	3.11	1.68	0.0	4.0
S3HERTS2	150	1.13	0.99	0.0	2.0
S6HERTS2	104	1.48	1.21	0.0	3.0
S7HERTS2	154	1.19	1.22	0.0	3.0
S8HERTS2	113	1.00	1.16	0.0	3.0
S9HERTS2	86	1.12	1.24	0.0	3.0
S10HERTS2	137	0.96	1.17	0.0	3.0
S11HERTS2	93	1.12	1.28	0.0	3.0
S12HERTS2	98	1.09	1.29	0.0	3.0
S13HERTS2	105	1.25	1.38	0.0	3.0
R6HERTS3	12	0.83	1.34	0.0	3.0
R7HERTS3	23	0.52	1.04	0.0	3.0
R8HERTS3	1	0.00	.	0.0	0.0
R10HERTS3	3	1.33	1.53	0.0	3.0
R11HERTS3	1	0.00	.	0.0	0.0
R12HERTS3	10	1.50	1.35	0.0	3.0
R13HERTS3	21	1.95	1.12	0.0	3.0
S6HERTS3	14	0.86	1.29	0.0	3.0
S7HERTS3	24	0.79	1.02	0.0	3.0
S8HERTS3	23	0.70	1.06	0.0	3.0
S9HERTS3	17	0.71	1.05	0.0	3.0
S10HERTS3	37	1.03	1.17	0.0	3.0
S11HERTS3	21	0.95	1.36	0.0	3.0
S12HERTS3	35	1.00	1.33	0.0	3.0
S13HERTS3	42	0.90	1.19	0.0	3.0
R1HERET	6996	3.51	1.32	0.0	4.0
R2HERET	6362	3.54	1.27	0.0	4.0
R3HERET	3681	1.29	0.96	0.0	2.0
R4HERET	4224	1.26	0.97	0.0	2.0
R5HERET	3626	1.91	1.14	0.0	3.0
R6HERET	3503	1.85	1.18	0.0	3.0
R7HERET	3974	1.69	1.20	0.0	3.0
R8HERET	2252	1.73	1.17	0.0	3.0
R9HERET	1860	1.66	1.18	0.0	3.0
R10HERET	2962	1.41	1.21	0.0	3.0
R11HERET	2581	1.38	1.22	0.0	3.0
R12HERET	2468	1.57	1.24	0.0	3.0
R13HERET	2275	1.29	1.24	0.0	3.0
S1HERET	6043	3.58	1.22	0.0	4.0
S2HERET	5446	3.62	1.17	0.0	4.0
S3HERET	2745	1.30	0.95	0.0	2.0
S4HERET	3136	1.26	0.96	0.0	2.0
S5HERET	2747	2.11	1.02	0.0	3.0

S6HERET	2767	1.97	1.14	0.0	3.0
S7HERET	3048	1.82	1.17	0.0	3.0
S8HERET	1518	1.91	1.08	0.0	3.0
S9HERET	1254	1.82	1.10	0.0	3.0
S10HERET	1723	1.66	1.15	0.0	3.0
S11HERET	1489	1.62	1.16	0.0	3.0
S12HERET	1582	1.79	1.17	0.0	3.0
S13HERET	1484	1.49	1.22	0.0	3.0

Categorical Variable Codes

RwHERTR1: R coverage by R in retirement #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			426	2245	2321	2583	2498	2394	2208	2022
.D=DK	917	741	212	282	317	255	284	277	174	287
.H=Source missing,question	96	93	475	697	110	201	195	153	168	553
.M=Oth missing	841	938	472	130	13	214	268	196	135	228
.N=No respondent employer-p	3952	3429	5731	13378	9592	9037	9996	9736	9757	12048
.Q=Not asked this wv		8222	7027							
.R=RF	34	26	2	1		2	1			1
.S=Skip,question not asked				427	3488	2872	3186	2858	2415	2858
0.Not covrd in ret	1120	993	1306	1572	1352	1003	1501	1119	953	2089
1.Covrd just to age 65					879	748	909	660	589	879
2.Covrd to age 65, DK over			2340	2652	272	204	232	207	157	202
3.Covrd to and over age 65					1234	1046	1059	869	661	867
4.Covers retirees (W1&2)	5692	5200								

Value	w11	w12	w13
.A=Age is 65 or older	1823	1673	1255
.D=DK	162	132	126
.H=Source missing,question	304	344	517
.M=Oth missing	204	147	1315
.N=No respondent employer-p	12024	11427	12949
.Q=Not asked this wv			
.R=RF	1		
.S=Skip,question not asked	2516	2104	2064
0.Not covrd in ret	1871	1484	1676
1.Covrd just to age 65	761	579	428
2.Covrd to age 65, DK over	139	151	142
3.Covrd to and over age 65	749	706	440
4.Covers retirees (W1&2)			

SwHERTR1: R coverage by Sp in retirement #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older					1572	1340	1311	1628	1472	1358
.D=DK	360	467			66	214	234	55	40	38
.H=Source missing,question	18	20			45	91	68	57	70	263
.M=Oth missing	1102	1124			1893	639	711	2045	1601	2674
.N=No respondent employer-p	5713	2254			5196	4810	5458	5373	5305	6554
.Q=Not asked this wv		4549								
.R=RF	25	27				2	4			
.S=Skip,question not asked					2919	2457	2720	2333	1955	2374
.U=Unmarried	2373	6001			6537	6313	6781	6420	6212	7804
.V=Spouse NR		384			311	220	380	317	365	722
0.Not covrd in ret	342	602			112	984	1390	89	66	102
1.Covrd just to age 65					298	320	361	53	46	60
2.Covrd to age 65, DK over					77	94	87	16	12	14
3.Covrd to and over age 65					552	681	624	83	73	71
4.Covers retirees (W1&2)	2719	4214								

Value	w11	w12	w13
.A=Age is 65 or older	1213	1059	831
.D=DK	29	49	73
.H=Source missing,question	127	157	232
.M=Oth missing	2280	1394	1705
.N=No respondent employer-p	6522	6056	6603
.Q=Not asked this wv			
.R=RF	1	1	1
.S=Skip,question not asked	2067	1691	1623
.U=Unmarried	7486	7125	8025
.V=Spouse NR	592	610	1109
0.Not covrd in ret	92	175	325
1.Covrd just to age 65	66	142	160
2.Covrd to age 65, DK over	13	42	35
3.Covrd to and over age 65	66	246	190
4.Covers retirees (W1&2)			

RwHERTR2: R coverage by R in retirement #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			21			124	136	118	109	108
.D=DK	91	9	15			14	22	19	16	13
.H=Source missing,question	9	14	110			132	126	107	123	449
.M=Oth missing	189	54	34			8	16	9	10	18
.N=No respondent employer-p	6440	3381	4170			5845	6868	7029	7299	9609
.P=Only one plan carried fr		6615								
.Q=Not asked this wv		8222	7027							
.R=RF	3	1	2							
.S=Skip,question not asked						231	295	195	136	200
.X=No more plans	5371	1278	6416			11674	12465	10850	9418	11435
0.Not covrd in ret	70	17	83			41	74	61	48	92
1.Covrd just to age 65						42	54	38	25	59
2.Covrd to age 65, DK over			113			13	14	11	6	5
3.Covrd to and over age 65						41	59	32	27	46
4.Covers retirees (W1&2)	479	51								

Value	w11	w12	w13
.A=Age is 65 or older	107	112	72
.D=DK	11	12	7
.H=Source missing,question	226	252	347
.M=Oth missing	13	9	57

.N=No respondent employer-p	|	9695	8986	10212
.P=Only one plan carried fr	|			
.Q=Not asked this wv	|			
.R=RF	|			
.S=Skip,question not asked	|	148	143	132
.X=No more plans	|	10214	9078	9926
0.Not covrd in ret	|	62	69	72
1.Covrd just to age 65	|	32	32	24
2.Covrd to age 65, DK over	|	6	9	9
3.Covrd to and over age 65	|	40	45	54
4.Covers retirees (W1&2)	|			

SwHERTR2: R coverage by Sp in retirement #2

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older	|						64	76	80	77	80
.D=DK	|	39	15				10	20	7	4	1
.H=Source missing,question	|	1	8				60	52	50	54	219
.M=Oth missing	|	138	21				34	39	120	99	136
.N=No respondent employer-p	|	5713	2217				3037	3625	3756	3827	5109
.P=Only one plan carried fr	|		5393								
.Q=Not asked this wv	|		4549								
.R=RF	|	3									
.S=Skip,question not asked	|						217	271	177	116	162
.U=Unmarried	|	2373	5969				6313	6781	6420	6212	7804
.V=Spouse NR	|		384				220	380	317	365	722
.X=No more plans	|	4102	1030				8111	8740	7533	6454	7782
0.Not covrd in ret	|	38	13				48	89	2	4	11
1.Covrd just to age 65	|						19	24	3	1	3
2.Covrd to age 65, DK over	|						8	4	2	2	1
3.Covrd to and over age 65	|						24	28	2	2	4
4.Covers retirees (W1&2)	|	245	43								

Value	|	w11	w12	w13
.A=Age is 65 or older	|	70	77	43
.D=DK	|	2	5	2
.H=Source missing,question	|	93	116	146
.M=Oth missing	|	98	81	93
.N=No respondent employer-p	|	5149	4662	5083
.P=Only one plan carried fr	|			
.Q=Not asked this wv	|			
.R=RF	|			
.S=Skip,question not asked	|	128	116	104
.U=Unmarried	|	7486	7125	8025
.V=Spouse NR	|	592	610	1109
.X=No more plans	|	6922	5927	6260
0.Not covrd in ret	|	6	11	13
1.Covrd just to age 65	|	3	5	6
2.Covrd to age 65, DK over	|	1		2
3.Covrd to and over age 65	|	4	12	26
4.Covers retirees (W1&2)	|			

RwHERTR3: R coverage by R in retirement #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						10	13	8	12	9
.D=DK							3	5	4	8
.H=Source missing,question						129	123	98	123	446
.M=Oth missing							4	1	1	7
.N=No respondent employer-p						5644	6631	6873	7139	9449
.S=Skip,question not asked						12	14	10	4	19
.X=No more plans						12351	13307	11448	9912	12041
0.Not covrd in ret						10	17	17	12	24
1.Covrd just to age 65						3	12	5	7	14
2.Covrd to age 65, DK over						3	1	1	1	1
3.Covrd to and over age 65						3	4	3	2	16

Value	w11	w12	w13
.A=Age is 65 or older	15	20	19
.D=DK	2	4	6
.H=Source missing,question	223	244	328
.M=Oth missing	5	1	10
.N=No respondent employer-p	9544	8816	10029
.S=Skip,question not asked	17	18	21
.X=No more plans	10716	9586	10432
0.Not covrd in ret	18	27	33
1.Covrd just to age 65	5	13	14
2.Covrd to age 65, DK over	1	2	2
3.Covrd to and over age 65	8	16	18

SwHERTR3: R coverage by Sp in retirement #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						5	4	6	10	11
.D=DK						1	2	1		
.H=Source missing,question						59	50	43	54	218
.M=Oth missing						3	9	25	20	39
.N=No respondent employer-p						2908	3486	3653	3724	5017
.S=Skip,question not asked						11	14	10	2	17
.U=Unmarried						6313	6781	6420	6212	7804
.V=Spouse NR						220	380	317	365	722
.X=No more plans						8633	9380	7993	6830	8203
0.Not covrd in ret						8	17	1		1
1.Covrd just to age 65						1	3			1
2.Covrd to age 65, DK over										
3.Covrd to and over age 65						3	3			1

Value	w11	w12	w13
.A=Age is 65 or older	9	17	14
.D=DK		2	2
.H=Source missing,question	91	111	132
.M=Oth missing	23	23	26
.N=No respondent employer-p	5077	4561	4982
.S=Skip,question not asked	13	16	16
.U=Unmarried	7486	7125	8025
.V=Spouse NR	592	610	1109
.X=No more plans	7262	6272	6587
0.Not covrd in ret	1	3	2
1.Covrd just to age 65		3	7
2.Covrd to age 65, DK over			1
3.Covrd to and over age 65		4	9

RwHERTS1: Sp coverage by R in retirement #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older					1606	1366	1355	1677	1512	1410
.D=DK	554	489			68	220	244	55	42	38
.H=Source missing,question	17	23			53	96	77	63	73	312
.M=Oth missing	1402	1194			1953	667	752	2106	1668	2869
.N=No respondent employer-p	2822	2360			5314	4903	5602	5533	5505	6857
.Q=Not asked this wv		8222								
.R=RF	37	28				2	4			
.S=Skip,question not asked				2981	2494	2789	2373	2006	2485	
.U=Unmarried	2373	2330		6537	6306	6777	6417	6205	7798	
0.Not covrd in ret	658	629		115	996	1420	91	68	112	
1.Covrd just to age 65				305	328	374	53	49	64	
2.Covrd to age 65, DK over				80	99	94	16	13	16	
3.Covrd to and over age 65				566	688	641	85	76	73	
4.Covers retirees (W1&2)	4789	4367								

Value	w11	w12	w13
.A=Age is 65 or older	1266	1101	882
.D=DK	29	51	89
.H=Source missing,question	147	171	276
.M=Oth missing	2407	1501	1935
.N=No respondent employer-p	6820	6362	7155
.Q=Not asked this wv			
.R=RF	1	2	1
.S=Skip,question not asked	2162	1780	1794
.U=Unmarried	7474	7125	7904
0.Not covrd in ret	96	189	429
1.Covrd just to age 65	69	156	187
2.Covrd to age 65, DK over	13	45	43
3.Covrd to and over age 65	70	264	217
4.Covers retirees (W1&2)			

SwHERTS1: Sp coverage by Sp in retirement #1

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			375	1503	1528	1675	1607	1502	1365	1264
.D=DK	474	555	149	208	232	193	201	221	123	189
.H=Source missing,question	18	21	376	530	45	91	68	57	70	263
.M=Oth missing	420	817	362	98	9	173	213	161	105	172
.N=No respondent employer-p	5713	2254	4333	8175	5196	4816	5462	5375	5308	6558
.Q=Not asked this wv		4549	3704							
.R=RF	20	21	2	1		2				
.S=Skip,question not asked				329	2908	2452	2717	2334	1955	2371
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		384	322	536	311	220	380	317	365	722
0.Not covrd in ret	654	729	960	1154	994	746	1108	811	692	1402
1.Covrd just to age 65					661	547	670	497	443	579
2.Covrd to age 65, DK over			1751	1982	195	139	145	145	121	128
3.Covrd to and over age 65					962	805	781	632	464	587
4.Covers retirees (W1&2)	2980	4344								

Value	w11	w12	w13
.A=Age is 65 or older	1137	984	748
.D=DK	114	83	72
.H=Source missing,question	127	157	232
.M=Oth missing	153	112	847
.N=No respondent employer-p	6529	6056	6604
.Q=Not asked this wv			

.R=RF	|			
.S=Skip,question not asked	|	2065	1691	1625
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Not covrd in ret	|	1267	1010	1031
1.Covrd just to age 65	|	522	379	279
2.Covrd to age 65, DK over	|	84	92	88
3.Covrd to and over age 65	|	490	448	253
4.Covers retirees (W1&2)	|			

RwHERTS2: Sp coverage by R in retirement #2

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older	|						64	77	83	78	83
.D=DK	|	65	17				10	22	7	4	1
.H=Source missing,question	|	1	10				65	60	54	56	265
.M=Oth missing	|	201	44				35	40	121	101	141
.N=No respondent employer-p	|	5310	2317				3108	3732	3871	3979	5343
.P=Only one plan carried fr	|		5576								
.Q=Not asked this wv	|		8222								
.R=RF	|	4									
.S=Skip,question not asked	|						220	277	178	121	175
.U=Unmarried	|	2373	2283				6306	6777	6417	6205	7799
.X=No more plans	|	4205	1107				8258	8997	7729	6664	8208
0.Not covrd in ret	|	51	15				48	91	2	4	11
1.Covrd just to age 65	|						19	24	3	1	3
2.Covrd to age 65, DK over	|						8	4	2	2	1
3.Covrd to and over age 65	|						24	28	2	2	4
4.Covers retirees (W1&2)	|	442	51								

Value	|	w11	w12	w13
.A=Age is 65 or older	|	72	83	47
.D=DK	|	2	5	4
.H=Source missing,question	|	111	128	188
.M=Oth missing	|	106	84	105
.N=No respondent employer-p	|	5392	4894	5507
.P=Only one plan carried fr	|			
.Q=Not asked this wv	|			
.R=RF	|			
.S=Skip,question not asked	|	134	124	115
.U=Unmarried	|	7474	7125	8023
.X=No more plans	|	7249	6273	6873
0.Not covrd in ret	|	6	11	15
1.Covrd just to age 65	|	3	6	6
2.Covrd to age 65, DK over	|	1	1	2
3.Covrd to and over age 65	|	4	13	27
4.Covers retirees (W1&2)	|			

SwHERTS2: Sp coverage by Sp in retirement #2

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			19			86	95	79	80	72
.D=DK	35	7	10			11	18	18	16	10
.H=Source missing,question	1	8	58			60	52	50	54	219
.M=Oth missing	164	30	25			6	13	7	8	17
.N=No respondent employer-p	5713	2217	2888			3043	3629	3758	3830	5112
.P=Only one plan carried fr		5394								
.Q=Not asked this wv		4549	3704							
.R=RF	2	1	1							
.S=Skip,question not asked						217	271	176	115	162
.U=Unmarried	2373	5968	5657			6306	6777	6417	6206	7799
.V=Spouse NR		384	322			220	380	317	365	722
.X=No more plans	4102	1030	5157			8112	8740	7534	6457	7784
0.Not covrd in ret	23	12	65			28	61	53	39	66
1.Covrd just to age 65						32	44	29	20	39
2.Covrd to age 65, DK over			85			10	8	9	5	3
3.Covrd to and over age 65						34	41	22	22	29
4.Covers retirees (W1&2)	239	42								

Value	w11	w12	w13
.A=Age is 65 or older	73	75	41
.D=DK	8	11	3
.H=Source missing,question	93	116	146
.M=Oth missing	11	7	36
.N=No respondent employer-p	5157	4662	5084
.P=Only one plan carried fr			
.Q=Not asked this wv			
.R=RF			
.S=Skip,question not asked	127	116	104
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=No more plans	6926	5927	6260
0.Not covrd in ret	44	50	52
1.Covrd just to age 65	20	16	12
2.Covrd to age 65, DK over	3	5	4
3.Covrd to and over age 65	26	27	37
4.Covers retirees (W1&2)			

RwHERTS3: Sp coverage by R in retirement #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						5	4	6	11	11
.D=DK						1	2	1		
.H=Source missing,question						64	58	47	56	264
.M=Oth missing						3	9	25	20	40
.N=No respondent employer-p						2977	3586	3765	3873	5247
.S=Skip,question not asked						11	14	10	2	19
.U=Unmarried						6306	6777	6417	6205	7799
.X=No more plans						8786	9656	8197	7050	8651
0.Not covrd in ret						8	17	1		1
1.Covrd just to age 65						1	3			1
2.Covrd to age 65, DK over										
3.Covrd to and over age 65						3	3			1

Value	w11	w12	w13
.A=Age is 65 or older	10	17	16
.D=DK		2	2
.H=Source missing,question	109	123	171
.M=Oth missing	25	23	30
.N=No respondent employer-p	5315	4787	5401
.S=Skip,question not asked	15	17	20
.U=Unmarried	7474	7125	8024
.X=No more plans	7605	6643	7227
0.Not covrd in ret	1	3	2
1.Covrd just to age 65		3	7
2.Covrd to age 65, DK over			2
3.Covrd to and over age 65		4	10

SwHERTS3: Sp coverage by Sp in retirement #3

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older						7	9	4	8	4
.D=DK							2	5	4	7
.H=Source missing,question						59	50	43	54	218
.M=Oth missing							3	1	1	5
.N=No respondent employer-p						2914	3490	3655	3727	5020
.S=Skip,question not asked						11	14	10	2	17
.U=Unmarried						6306	6777	6417	6206	7799
.V=Spouse NR						220	380	317	365	722
.X=No more plans						8634	9380	7994	6833	8205
0.Not covrd in ret						9	12	14	10	16
1.Covrd just to age 65						1	8	5	4	12
2.Covrd to age 65, DK over						1	1	1	1	1
3.Covrd to and over age 65						3	3	3	2	8

Value	w11	w12	w13
.A=Age is 65 or older	7	13	12
.D=DK	1	4	4
.H=Source missing,question	91	111	132
.M=Oth missing	4		3
.N=No respondent employer-p	5084	4561	4983
.S=Skip,question not asked	13	16	16
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.X=No more plans	7267	6272	6587
0.Not covrd in ret	13	20	22
1.Covrd just to age 65	2	5	11

2.Covrd to age 65, DK over	|			
3.Covrd to and over age 65	|	6	10	9

RwHERET: R covered in retirement /summary

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older	|			436	2245	1783	1778	1706	1927	1814	1728
.D=DK	|	782	584	215	282	115	152	163	119	94	134
.H=Source missing,question	|	93	78	483	697	93	226	220	166	185	550
.M=Oth missing	|	1246	1228	476	130	3241	2713	2891	3819	3193	4233
.N=No respondent employer-p	|	3504	2916	5671	13378	8708	8078	8879	8642	8682	10567
.P=Only one plan carried fr	|		87								
.Q=Not asked this wv	|		8222	7027							
.R=RF	|	31	24	2	1			2			1
.S=Skip,question not asked	|				427	1872	1616	2119	1354	1167	1472
.V=Spouse NR	|		141			140	99	175	190	222	387
0.Not covrd in ret	|	865	730	1299	1572	473	588	826	409	369	878
1.Covrd just to age 65	|					1103	1001	1201	706	613	932
2.Covrd to age 65, DK over	|			2382	2652	335	273	313	214	161	219
3.Covrd to and over age 65	|					1715	1641	1634	923	717	933
4.Covers retirees (W1&2)	|	6131	5632								

Value	|	w11	w12	w13
.A=Age is 65 or older	|	1571	1516	1257
.D=DK	|	86	92	91
.H=Source missing,question	|	354	396	553
.M=Oth missing	|	3528	2571	3690
.N=No respondent employer-p	|	10606	10096	11172
.P=Only one plan carried fr	|			
.Q=Not asked this wv	|			
.R=RF	|	2		1
.S=Skip,question not asked	|	1472	1237	1205
.V=Spouse NR	|	354	371	668
0.Not covrd in ret	|	801	655	849
1.Covrd just to age 65	|	815	683	578
2.Covrd to age 65, DK over	|	154	195	176
3.Covrd to and over age 65	|	811	935	672
4.Covers retirees (W1&2)	|			

SwHERET: S covered in retirement /summary

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Age is 65 or older			385	1503	1034	897	861	1075	1012	1020
.D=DK	581	427	151	208	40	97	91	66	47	53
.H=Source missing,question	14	17	383	530	36	119	98	74	89	306
.M=Oth missing	1239	1175	366	98	3281	2685	2859	3841	3222	4342
.N=No respondent employer-p	2374	1848	4276	8175	4430	3964	4505	4448	4438	5391
.P=Only one plan carried fr		75								
.Q=Not asked this wv		4549	3704							
.R=RF	28	21	2	1			1			
.S=Skip,question not asked				329	1352	1231	1721	872	755	1094
.U=Unmarried	2373	5956	5657	6868	6537	6306	6777	6417	6205	7798
.V=Spouse NR		128	322	536	121	99	168	158	195	307
0.Not covrd in ret	632	518	958	1154	137	344	476	141	140	298
1.Covrd just to age 65					892	805	975	540	468	631
2.Covrd to age 65, DK over			1787	1982	261	213	229	154	125	146
3.Covrd to and over age 65					1457	1405	1368	683	521	648
4.Covers retirees (W1&2)	5411	4928								

Value	w11	w12	w13
.A=Age is 65 or older	930	871	795
.D=DK	48	49	53
.H=Source missing,question	196	221	307
.M=Oth missing	3597	2623	3450
.N=No respondent employer-p	5408	5044	5389
.P=Only one plan carried fr			
.Q=Not asked this wv			
.R=RF	1		1
.S=Skip,question not asked	1117	914	937
.U=Unmarried	7474	7125	7915
.V=Spouse NR	294	318	581
0.Not covrd in ret	272	260	405
1.Covrd just to age 65	573	496	447
2.Covrd to age 65, DK over	95	135	127
3.Covrd to and over age 65	549	691	505
4.Covers retirees (W1&2)			

How Constructed

RwHERTRx indicates whether the Respondent's employer-provided health insurance covers the Respondent in retirement. RwhERTSx indicates whether the Respondent's employer-provided health insurance covers the spouse in retirement. The questions about coverage in retirement are only asked if the Respondent is covered by the Respondent's current or previous employer.

In Waves 1 and 2H, this is taken from the question that asks whether the plan covers retirees. In Wave 3H and from Wave 4 forward, it is taken from a question that asks about coverage up to age 65. And from Wave 5 forward, an additional question asking about coverage after 65 is used.

SwHERTRx and SwHERTSx indicate whether health insurance from the employer of the Respondent's spouse or partner covers the Respondent or spouse in retirement, respectively.

RwHERET summarizes whether the Respondent is covered in retirement under any plan, either her/his own or the spouse's. SwHERET summarizes whether the spouse is covered in retirement under any plan.

The number of insurance plans about which information is gathered varies across waves. In Wave 1, a question asks if the plan covers retirees, for each plan.

In Wave 2H, if the Respondent indicates that s/he is still covered by her/his own employer-provided health plan reported in Wave 1, the Wave 1 information is assumed to be correct for Wave 2H as well, i.e., R2HERTR1 is set to R1HERTRx, where 'x' is the first plan that agrees with the source of coverage presented in Wave 2H. If Wave 2H employer-provided health insurance is not a continuation of the preloaded Wave 1 coverage, the Wave 2H question about whether the plan covers retirees is used to set R2HERTRx. We cannot tell from these questions if the Respondent is covered up to 65 or after 65 so we created a separate category for Wave 1 and 2, "Covers Retirees."

In Wave 3H and from Wave 4 forward, this question is no longer asked. In Wave 3H and from Wave 4 forward, another question asks if the plan would cover the Respondent up to age 65. If coverage can continue to age 65 in Waves 3H or 4, then RwHERTRx is set to "Covered now and to age 65, DK over age 65."

From Wave 5 forward, an additional question asks if the plan would cover the Respondent after age 65, allowing for additional categories for RwHERTRx: "Only covered to age 65," "Covered up to and after age 65," or "Covered up to age 65, dk after 65." It is not possible for the Respondent to report being covered after 65 if s/he is not covered up to 65.

If the Respondent is already 65 then RwHERTRx is set to .A - already 65, and if the plan(s) are not from the Respondent's current or previous employer, RwHERTRx is set to .N - No employer-provided insurance. In Wave 5, if the Respondent is self-employed s/he is not asked any retirement questions and so they are set to .S - question not asked.

Similar questions ask if the spouse is covered in retirement by the Respondent's plan and RwHERTSx is assigned from these questions the same way as described above. The spouse question is in the Waves 3H and 4 questionnaire but no data are collected. In Waves 2A and 3A, retirement questions are not asked. Since no information is available in Waves 3 and 4, we do not include RwHERTSx variables in these waves. In Wave 2A, R2HERTSx is set to special missing values .Q - no information is available this wave.

SwHERTRx for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HERTRx is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HERTRx is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RwHERTRx and RwHERTSx variable, if available, and assigned to SwHERTSx and SwHERTRx, respectively. If the Respondent is not married, SwHERTRx and SwHERTSx are set to .U=unmarried. If the Respondent's spouse did not respond then SwHERTRx and SwHERTSx are set to .V=Spouse is non-response.

RwHERET is the maximum retirement coverage reported for the Respondent, derived by examining all RwHERTRx and SwHERTRx variables. If any of these variables are missing values besides .N for no coverage, .X for no more plans, or .U for unmarried, then RwHERET is set to missing. If only one type of missing value is observed then that is the missing value assigned to RwHERET. If more than one type of missing value is observed, then RwHERET is set to .M.

SwHERET is the maximum retirement coverage reported for the spouse, derived by examining all RwHERTSx and SwHERTSx variables. SwHERET is set to missing values in the same way as RwHERET is. Note that in Waves 3 and 4, SwHERET is based only on the spouse's responses with regard to the insurance coverage s/he provides, because there are not RwHERTSx variables.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only. Please see the description of cross-wave differences for "Source of insurance and who is covered" for details on how those questions varied over time.

In Wave 1, for each plan, a question asks: "Is this health plan available to people who retire?" and "Can the spouses of retired employees be covered under this plan?"

In Wave 2H, if preloaded information indicates the Respondent was covered by any employer-provided health insurance in Wave 1, the Respondent is asked if this coverage continues. If so, then no question about whether the plan covers retirees is asked. If not, or if not covered in Wave 1, current employer-provided health insurance plans are asked about (up to two). For each plan, the questions about

retiree coverage are asked with the same wording as in Wave 1.

In Wave 3H, and Wave 4 forward, the question about whether a plan covers retirees is no longer asked. Other questions ask if the plan would cover the Respondent up to age 65 if s/he left the job before age 65 (if from current employer), or if the plan could be continued to age 65 (if from previous employer). The question wording is: "[If you left your current employer now could you]/[Can you] continue this [health] insurance coverage for yourself up to the age of 65?"

This question is skipped if the Respondent is already 65, or if the employer-provided health plan is not from either the Respondent's current or previous employer (e.g., it is NOT asked if the plan source is a union, spouse's employer, or through the Respondent's self-employment). From Wave 6 forward this question is asked for up to three plans.

From Wave 5 forward, an additional question asks if the plan would cover the Respondent after age 65. It is only asked if the Respondent reported being covered up to age 65. The question wording is: "[If you left your current employer now,] Does your employer offer some type of health insurance coverage for you after the age of 65?"

Similar questions ask if the spouse is covered in retirement by the Respondent's plan: "[If you left your current employer now could you]/[Can you] continue your current health insurance coverage for your spouse until he/she is age 65?" The question is in the Waves 3H and 4 questionnaire, but no data was collected.

From Wave 5 forward, if the spouse can be covered up to age 65, another question asks: "[If you left your current employer now,] Does your employer offer some type of health insurance coverage for your spouse after the age of 65?"

In Waves 2A and 3A, no question about retiree coverage or coverage before age 65 is asked.

HRS Variables Used

HRS 1992:

V6614	R3:R1EMPLR HLTH INS PLAN
V6615	R3A:R1EMP:#PLANS HAVE
V6616	R4:R1EMP:#1:HOW OBTAINED
V6618	R7:R1#1:AVAIL FOR RTIREE
V6622	R11:R1#1:RET:CAN SP COV
V6624	R4:R1EMP:#2:HOW OBTAINED
V6626	R7:R1#2:AVAIL FOR RTIREE
V6630	R11:R1#2:RET:CAN SP COV
V6808	R22:R2COV BY R'S EMP INS
V6809	R23:CKPT:ONLY 1 PLAN/OTH
V6810	R24A:PLAN1 COV BOTH R SP
V6811	R24B:PLAN2 COVERS BOTH
V6813	R25:R2HAS OTHR EMP INS
V6814	R26:R2EMPLR HLTH INS PLN
V6815	R26A:R2EMP:#PLANS HAVE
V6816	R27:R2EMP:#1:HOW OBTAINED
V6818	R30:R2#1:AVAIL FR RTIREE
V6822	R34:R2#1:RET:CAN SP COV
V6824	R27:R2EMP:#2:HOW OBTAINED
V6826	R30:R2#2:AVAIL FR RTIREE
V6830	R34:R2#2:RET:CAN SP COV

HRS 1994:

W6705	R2-1.COVERED BY SAME POL
W6707	R2b-1.STILL COVERED BY W
W6708	R2-2a.STILL COVERED BY S
W6709	R2-2b.STILL COVERED BY S
W6724	R4.CURRENT HEALTH INS FR
W6726	P1. R5.HOW OBTAINED
W6734	P1. R8.AVAILABLE FOR RET

W6740	P2. R5.HOW OBTAINED
W6748	P2. R8.AVAILABLE FOR RET
HRS 1996:	
E5158	R12X.SELF-EMP INSURANCE
E5160	R13.ANY EMPLR INSURANCE FOR HOSP/DR BILL
E5163_1	R15.HOW OBTAIN INSURANCE
E5163_2	R15.HOW OBTAIN INSURANCE
E5191_1	R34.COVERAGE CONTINUE TO 65
E5191_2	R34.COVERAGE CONTINUE TO 65
E5194_1	R35.COVERAGE TO 65 IF LEFT NOW
E5194_2	R35.COVERAGE TO 65 IF LEFT NOW
HRS 1998:	
F5891	R12X.SELF-EMP INSURANCE
F5893	R13.ANY INSURANCE FOR HOSP/DR BILLS
F5896	R15.HOW OBTAIN INSURANCE
F5924	R34.COVERAGE CONTINUE TO 65
F5927	R35.COVERAGE TO 65 IF LEFT NOW
HRS 2000:	
G6264	R12AA.SELF-EMP INSURANCE
G6266	R13.ANY INSURANCE THRU AN EMPLOYER
G6269	R15.HOW OBTAIN INSURANCE
G6297	R34.COVERAGE CONTINUE TO 65
G6302	R35.COVERAGE TO 65 IF LEFT NOW
HRS 2016:	
PN280_1	NAME PRIVATE HEALTH INSURANCE PLAN -1
PN280_2	NAME PRIVATE HEALTH INSURANCE PLAN -2
PN280_3	NAME PRIVATE HEALTH INSURANCE PLAN -3
PN485_1	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
PN485_2	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
PN485_3	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
PZ553_1	PRIVATE INSURANCE PLAN SOURCE - 1
PZ553_2	PRIVATE INSURANCE PLAN SOURCE - 2
PZ553_3	PRIVATE INSURANCE PLAN SOURCE - 3
HRS 2002-2016:	
xN033_1	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-1
xN033_2	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-2
xN033_3	OBTAIN HI THRU CURRNT EMP/OWN BUSINESS-3
xN034_1	OBTAIN INS THRU FORMER EMPLOYER- 1
xN034_2	OBTAIN INS THRU FORMER EMPLOYER- 2
xN034_3	OBTAIN INS THRU FORMER EMPLOYER- 3
xN059_1	EMPLOYER RETIREE COVERAGE UP TO 65- 1
xN059_2	EMPLOYER RETIREE COVERAGE UP TO 65- 2
xN059_3	EMPLOYER RETIREE COVERAGE UP TO 65- 3
xN060_1	EMPLOYER RETIREE HI COVERAGE AFTER 65- 1
xN060_2	EMPLOYER RETIREE HI COVERAGE AFTER 65- 2
xN060_3	EMPLOYER RETIREE HI COVERAGE AFTER 65- 3
xN062_1	EMP RETIREE HI COV FOR SP UP TO 65- 1
xN062_2	EMP RETIREE HI COV FOR SP UP TO 65- 2
xN062_3	EMP RETIREE HI COV FOR SP UP TO 65- 3
xN063_1	EMP RETIREE HI COV FOR SP AFTER 65- 1
xN063_2	EMP RETIREE HI COV FOR SP AFTER 65- 2
xN063_3	EMP RETIREE HI COV FOR SP AFTER 65- 3
Tracker:	
AFINR	WHETHER FINANCIAL RESPONDENT

Covered by other health insurance
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Wave	Variable	Label	Type
1	R1HIOTHP	R1HIOTHP:W1 R has Other Ins	Categ
2	R2HIOTHP	R2HIOTHP:W2 R has Other Ins	Categ
3	R3HIOTHP	R3HIOTHP:W3 R has Other Ins	Categ
4	R4HIOTHP	R4HIOTHP:W4 R has Other Ins	Categ
5	R5HIOTHP	R5HIOTHP:W5 R has Other Ins	Categ
6	R6HIOTHP	R6HIOTHP:W6 R has Other Ins	Categ
7	R7HIOTHP	R7HIOTHP:W7 R has Other Ins	Categ
8	R8HIOTHP	R8HIOTHP:W8 R has Other Ins	Categ
9	R9HIOTHP	R9HIOTHP:W9 R has Other Ins	Categ
10	R10HIOTHP	R10HIOTHP:W10 R has Other Ins	Categ
11	R11HIOTHP	R11HIOTHP:W11 R has Other Ins	Categ
12	R12HIOTHP	R12HIOTHP:W12 R has Other Ins	Categ
13	R13HIOTHP	R13HIOTHP:W13 R has Other Ins	Categ
1	S1HIOTHP	S1HIOTHP:W1 S has Other Ins	Categ
2	S2HIOTHP	S2HIOTHP:W2 S has Other Ins	Categ
3	S3HIOTHP	S3HIOTHP:W3 S has Other Ins	Categ
4	S4HIOTHP	S4HIOTHP:W4 S has Other Ins	Categ
5	S5HIOTHP	S5HIOTHP:W5 S has Other Ins	Categ
6	S6HIOTHP	S6HIOTHP:W6 S has Other Ins	Categ
7	S7HIOTHP	S7HIOTHP:W7 S has Other Ins	Categ
8	S8HIOTHP	S8HIOTHP:W8 S has Other Ins	Categ
9	S9HIOTHP	S9HIOTHP:W9 S has Other Ins	Categ
10	S10HIOTHP	S10HIOTHP:W10 S has Other Ins	Categ
11	S11HIOTHP	S11HIOTHP:W11 S has Other Ins	Categ
12	S12HIOTHP	S12HIOTHP:W12 S has Other Ins	Categ
13	S13HIOTHP	S13HIOTHP:W13 S has Other Ins	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HIOTHP	12244	0.13	0.34	0.0	1.0
R2HIOTHP	19479	0.40	0.49	0.0	1.0
R3HIOTHP	16416	0.17	0.38	0.0	1.0
R4HIOTHP	21238	0.21	0.40	0.0	1.0
R5HIOTHP	19430	0.21	0.41	0.0	1.0
R6HIOTHP	17962	0.20	0.40	0.0	1.0
R7HIOTHP	19923	0.18	0.38	0.0	1.0
R8HIOTHP	18315	0.16	0.37	0.0	1.0
R9HIOTHP	17052	0.16	0.37	0.0	1.0
R10HIOTHP	21489	0.13	0.33	0.0	1.0
R11HIOTHP	20252	0.13	0.33	0.0	1.0
R12HIOTHP	18412	0.15	0.36	0.0	1.0
R13HIOTHP	20496	0.14	0.34	0.0	1.0
S1HIOTHP	9864	0.12	0.33	0.0	1.0
S2HIOTHP	13020	0.38	0.48	0.0	1.0
S3HIOTHP	11068	0.17	0.37	0.0	1.0
S4HIOTHP	13944	0.20	0.40	0.0	1.0
S5HIOTHP	12692	0.21	0.40	0.0	1.0
S6HIOTHP	11547	0.17	0.38	0.0	1.0
S7HIOTHP	12895	0.16	0.37	0.0	1.0
S8HIOTHP	11672	0.15	0.36	0.0	1.0
S9HIOTHP	10573	0.16	0.36	0.0	1.0
S10HIOTHP	13257	0.12	0.33	0.0	1.0

S11HIOTHP	12358	0.12	0.33	0.0	1.0
S12HIOTHP	10860	0.14	0.35	0.0	1.0
S13HIOTHP	11604	0.13	0.34	0.0	1.0

Categorical Variable Codes

RwHIOTHP: R has Other Ins											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	|			1172							
.D=DK	|	25	63	291	59	80	134	152	122	129	236
.M=Oth missing	|	383	78	79	69	50	19	21	15	17	253
.R=RF	|		22	33	18	18	50	33	17	19	56
0.No	|	10643	11668	13587	16855	15358	14404	16350	15323	14310	18735
1.Yes	|	1601	7811	2829	4383	4072	3558	3573	2992	2742	2754
Value		w11	w12	w13							
.C=Cov,DK by whose emplyr	|										
.D=DK	|	210	233	220							
.M=Oth missing	|	50	48	137							
.R=RF	|	42	54	59							
0.No	|	17665	15685	17702							
1.Yes	|	2587	2727	2794							
SwHIOTHP: S has Other Ins											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.C=Cov,DK by whose emplyr	|			674							
.D=DK	|	16	33	149	30	32	51	53	51	57	87
.M=Oth missing	|	399	23	23	16	11	8	3	3	4	143
.R=RF	|		14	14	11	10	33	21	9	12	26
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	406	515	296	220	380	317	365	722
0.No	|	8637	8122	9224	11182	10076	9527	10791	9869	8921	11625
1.Yes	|	1227	4898	1844	2762	2616	2020	2104	1803	1652	1632
Value		w11	w12	w13							
.C=Cov,DK by whose emplyr	|										
.D=DK	|	97	111	104							
.M=Oth missing	|	12	15	42							
.R=RF	|	21	26	29							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	10856	9287	10075							
1.Yes	|	1502	1573	1529							

How Constructed

RwHIOTHP indicates whether the Respondent is covered by any health insurance other than government, employer-provided, or long-term care insurance. SwHIOTHP provides the information for the Respondent's spouse or partner.

The question wording and the sample that is asked these questions vary across waves. The relevant questions follow those that inquire about government and employer-provided insurance, and in some waves, are not asked if these types of insurance apply. Because of these differences, the analyst may want to consider this measure in conjunction with other types of insurance coverage.

Generally, if the Respondent indicates that s/he is currently covered by Basic health, Medigap or any other health insurance programs besides long-term care insurance, and the coverage is not clearly provided by the government or an employer or union, then we set RWHIOTHP to yes =(1). If the Respondent responds no to questions about these types of insurance coverage then RWHIOTHP is set to no (=0). Otherwise, RWHIOTHP is set to a missing value based on missing values in the HRS variables. Specific codes used to set RWHIOTHP in each wave are listed under "Cross-Wave Differences."

In Wave 3H, and Wave 4, there are two, and in Wave 5 there are three relevant questions. One of them is skipped if the Respondent has Medicare and employer provided Medigap. The second is skipped if the Respondent is covered by any government or employer-provided insurance. In Wave 5 the third question is skipped if the Respondent is covered by Medicare, through self-employment, or if the Respondent answered the second question. If all these questions are skipped, we set RWHIOTHP to "0." In other waves, the questions are asked of everyone.

In Wave 2A, 3A and from Wave 6 forward, the other health insurance questions are asked in combination with, or as part of a series of questions including employer-provided insurance questions.

Note that coverage by RWHIOTHP decreases somewhat from Wave 6 forward. This may be because the question structure is considerably different from that in previous waves.

SwHIOTHP for Wave 1 is taken from the Financial Respondent's information appropriately. That is, if the Respondent is the Financial Respondent, then S1HIOTHP is the Financial Respondent's spouse's information. But if the Respondent is the spouse of the Financial Respondent, then S1HIOTHP is the Financial Respondent's information.

From Wave 2 on, this information is taken from the spouse's self-reported RWHIOTHP variable, if available. In Waves 3H, 4, and 5, if the Respondent reports that the spouse is covered by her/his other insurance, this information is applied if the Respondent is married or partnered and the spouse's self-report is missing. If the Respondent is not married, SwHIOTHP is set to .U=unmarried. If the Respondent's spouse did not respond then SwHIOTHP is set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, the Financial Respondent's spouse's insurance coverage. From Wave 2 on, health insurance questions are asked of individual Respondents about their own coverage only.

In Wave 1 an initial question asks "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" If the answer is "yes," then a second question, to which multiple answers may be given asks: "What kind of coverage do you have?" There are five categories of insurance coded: 1) BASIC HEALTH ("Hospitalization"), 2) MEDIGAP, 3) OTHER SUPPLEMENTAL HEALTH (AARP-NFS), 4) LONG-TERM CARE (incl. nursing home care) and 5) OTHER (SPECIFY). Each category is coded as a separate yes/no variable. If the Respondent reports any kind of coverage besides long-term care, then RWHIOTHP is set to "yes."

In Wave 2A, the questions are similar to those in Wave 1. A first question asks: "Do you have any (other) type of health insurance coverage?" If the answer is "yes," then a second question asks: "What kind of coverage do you have?" There are 5 different answers: 1) BASIC HEALTH ("Hospitalization"), 2) MEDIGAP, 3) OTHER SUPPLEMENTAL HEALTH, 4) LONG-TERM CARE and 5) OTHER (SPECIFY). Up to four responses are reported. If the Respondent reports any kind of coverage except long-term care, then RWHIOTHP is set to "yes."

In Wave 2H, separate questions ask about basic health and supplementary health insurance that are privately purchased:

a) "Do you have any basic health insurance coverage, purchased directly from an insurance company or through a membership organization such as AARP (American Association of Retired Persons)?"

b) "Do you have any type of supplementary health insurance coverage, such as Medigap or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (American Association of Retired Persons)?"

If the answer to the second question is "yes," then the Respondent is asked: "What kind of coverage do you have?" There are many categories coded, including Medigap, other supplemental health, long-term care, heart/cardiac policy, cancer (including a combination of cancer and intensive care), dental insurance, Major Medical, "intensive care" or "catastrophic illness," "accident," hospitalization, disability, a policy that pays so much per day/per length of time, and other. Up to four responses are reported. If the Respondent reports any kind of coverage except long-term care, then RwhIOTHP is set to "yes."

In Wave 3A, questions ask if the Respondent has any health insurance other than government or long-term care and then ask for the source of the other insurance. The first question asks: "Not counting long-term care insurance or Medicare, (or Medicaid/or any other insurance we've discussed), do you have any other insurance that pays any part of hospital or doctor bills? Sometimes this is called a Medigap or Medicare Supplement policy.)" If the answer is "yes," then the number of plans is asked.

The source of the first or only plan is then collected: "[Thinking about the first of these plans] How did you obtain this type of health insurance coverage? Was it through your (or your husband's/or your wife's/or your partner's) employer or union, or through an organization or what?" Multiple answers are allowed and up to three responses are reported.

If there is more than one plan, a second follow-up question asks: "Thinking about your other health insurance plans, how did you obtain this type of health insurance coverage? Was it through your (or your husband's/or your wife's/or your partner's) employer or union, or through an organization or what?" Up to three responses are reported. If the Respondent reports the coverage is from "OTHER ORGANIZATION," "Self; not through any organization," or "OTHER," then RwhIOTHP is set to "yes."

In Waves 3H, 4 and 5, the questions are worded consistently. If the Respondent is covered by Medicare and does not report having an employer-provided Medigap plan, a first question asks: "Not counting long-term care insurance or Medicare, (or Medicaid/or any other insurance we've discussed), do you have any other insurance that pays any part of hospital or doctor bills? Sometimes this is called a Medigap or Medicare Supplement policy."

If the Respondent is not covered by any government or employer-provided insurance, a second question asks: "Do you have any basic health insurance coverage purchased directly from an insurance company or through a membership organization?" A subsequent question asked who else is covered. If the Respondent indicates that the spouse is covered, we apply the information on SwHIOTHP if married.

In Wave 5, there is an additional question if the prior question was not answered and the Respondent is not covered by Medicare or through self-employment: "Not counting long-term care policies or the health insurance you already told me about, do you have any other health insurance coverage that you purchased directly from an insurance company or through a membership organization?"

Beginning in Wave 6, after asking about government insurance, a question first asks if the Respondent has any other health coverage besides long-term care insurance. This is followed by a series of questions of about the source of the private health insurance. The initial question is:

"Now, we'd like to ask about all the other types of health insurance plans you might have, such as insurance through an employer or a business, coverage for retirees, or health insurance you buy for yourself, including any (Medigap or) other supplemental coverage. Do not include long-term care insurance. Other than your Medicare HMO you've just told me about, or anything that you have just told me about, how many other such plans do you have?"

A series of follow-up questions ask separately about the source of the insurance until the source is identified. If the Respondent is currently working, the first question asks: "Do you obtain this health insurance through your (own business or professional organization/current employer)?" If the Respondent is not working, s/he is asked: "Do you obtain this health insurance through a former employer of yours?" If the Respondent is married or partnered, the next questions ask if insurance is obtained "through your

(husband/wife/partner)'s current employer?" or "through your (husband/wife/partner)'s former employer?" If the source still has not been identified, a final question asks: "Did you purchase this plan directly from an insurance company, through your (or your [husband/wife/partner]'s/or your) union, through a group such as AARP, a church, or other organization, or what?" If the Respondent indicates that his coverage is from an insurance company, group or other, we set RwhIOTHP to "yes."

In Wave 1, Wave 2H and Wave 3H forward, the other health insurance questions asks if the Respondent purchased it by himself. In Waves 2A and 3A, and from Wave 6 forward, the other health insurance questions are combined with employer provided insurance questions.

In Waves 3H, 4 and 5, if the Respondent has Medicare and employer provided Medigap, or no Medicare and has any government insurance, then the questions are skipped. For all other waves, the questions are asked of everyone.

HRS Variables Used

HRS 1992:	
VR6632	R14:COV FRM INS CO:IMP/ Self
VR6633	R14aA:CO/ORG:BASC HLTH/ Self
VR6634	R14aB:CO/ORG:MEDIGAP/ Self
VR6635	R14aC:CO/ORG:SUPPLMNTL/ Self
VR6637	R14aE:CO/ORG:OTHER/ Self
AHEAD 1993:	
B1859	R6. R OTHER HEALTH INSURANCE: ANY
B1865A1	R7. R OTHER HEALTH INSURANCE: TYPE-1
B1865A2	R7. R OTHER HEALTH INSURANCE: TYPE-2
B1865A3	R7. R OTHER HEALTH INSURANCE: TYPE-3
B1865A4	R7. R OTHER HEALTH INSURANCE: TYPE-4
HRS 1994:	
W6754	R14.INSURANCE FROM COMPA
W6757	R14b.SUPPLEMENTARY HEALT
W6758	R14c.KIND OF PRIVATE HEA
W6759	R14c.KIND OF PRIVATE HEA
AHEAD 1995:	
D5214	R9. OTHER HEALTH INSURANCE
D5225M1	R10D-1. HOW OBTAIN OTHER HMO-1
D5225M2	R10D-2. HOW OBTAIN OTHER HMO-1
D5225M3	R10D. HOW OBTAIN OTHER HMO-1
D5242M1	R11D-1. HOW OBTAIN OTHER HMO-1
D5242M2	R11D-2. HOW OBTAIN OTHER HMO-1
HRS 1996:	
E5133	R1.MEDICARE COVERAGE
E5206	R46.OTHER INSURANCE
E5218	R48.ANY OTHER HEALTH INSUR
E5225M1	R54A.WHO ELSE COVERED
E5225M2	R54A.WHO ELSE COVERED
E5225M3	R54A.WHO ELSE COVERED
E5225M4	R54A.WHO ELSE COVERED
E5225M5	R54A.WHO ELSE COVERED
HRS 1998:	
F5938	R46.OTHER INSURANCE
F5950	R48.ANY OTHER HEALTH INSUR
F5957M1	R54A.WHO ELSE COVERED
F5957M2	R54A.WHO ELSE COVERED
F5957M3	R54A.WHO ELSE COVERED
F5957M4	R54A.WHO ELSE COVERED
F5957M5	R54A.WHO ELSE COVERED
HRS 2000:	
G6312	R46.OTHER INSURANCE

G6324	R48.ANY HEALTH INSUR
G6325	R48B.ANY OTHER PURCHASED HEALTH INS
G6331M1	R54A.WHO ELSE COVERED
G6331M2	R54A.WHO ELSE COVERED
G6331M3	R54A.WHO ELSE COVERED
G6331M4	R54A.WHO ELSE COVERED
G6331M5	R54A.WHO ELSE COVERED
G6331M6	R54A.WHO ELSE COVERED
HRS 2016:	
PN280_1	NAME PRIVATE HEALTH INSURANCE PLAN -1
PN280_2	NAME PRIVATE HEALTH INSURANCE PLAN -2
PN280_3	NAME PRIVATE HEALTH INSURANCE PLAN -3
PN485_1	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 1
PN485_2	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 2
PN485_3	WHICH IS PRIMARY PLAN-PRIVATE/MEDICARE - 3
PZ553_1	PRIVATE INSURANCE PLAN SOURCE - 1
PZ553_2	PRIVATE INSURANCE PLAN SOURCE - 2
PZ553_3	PRIVATE INSURANCE PLAN SOURCE - 3
HRS 2002-2016:	
xN023	NUM PRIVATE HEALTH INS PLANS
xN037_1	WHERE PURCHASE PRIVATE PLAN INSURANCE- 1
xN037_2	WHERE PURCHASE PRIVATE PLAN INSURANCE- 2
xN037_3	WHERE PURCHASE PRIVATE PLAN INSURANCE- 3
Tracker:	
AFINR	WHETHER FINANCIAL RESPONDENT

Covered by long-term care insurance
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Wave	Variable	Label	Type
1	R1HILTC	R1HILTC:W1 R has Long Term Care Ins	Categ
2	R2HILTC	R2HILTC:W2 R has Long Term Care Ins	Categ
3	R3HILTC	R3HILTC:W3 R has Long Term Care Ins	Categ
4	R4HILTC	R4HILTC:W4 R has Long Term Care Ins	Categ
5	R5HILTC	R5HILTC:W5 R has Long Term Care Ins	Categ
6	R6HILTC	R6HILTC:W6 R has Long Term Care Ins	Categ
7	R7HILTC	R7HILTC:W7 R has Long Term Care Ins	Categ
8	R8HILTC	R8HILTC:W8 R has Long Term Care Ins	Categ
9	R9HILTC	R9HILTC:W9 R has Long Term Care Ins	Categ
10	R10HILTC	R10HILTC:W10 R has Long Term Care Ins	Categ
11	R11HILTC	R11HILTC:W11 R has Long Term Care Ins	Categ
12	R12HILTC	R12HILTC:W12 R has Long Term Care Ins	Categ
13	R13HILTC	R13HILTC:W13 R has Long Term Care Ins	Categ
1	S1HILTC	S1HILTC:W1 S has Long Term Care Ins	Categ
2	S2HILTC	S2HILTC:W2 S has Long Term Care Ins	Categ
3	S3HILTC	S3HILTC:W3 S has Long Term Care Ins	Categ
4	S4HILTC	S4HILTC:W4 S has Long Term Care Ins	Categ
5	S5HILTC	S5HILTC:W5 S has Long Term Care Ins	Categ
6	S6HILTC	S6HILTC:W6 S has Long Term Care Ins	Categ
7	S7HILTC	S7HILTC:W7 S has Long Term Care Ins	Categ
8	S8HILTC	S8HILTC:W8 S has Long Term Care Ins	Categ
9	S9HILTC	S9HILTC:W9 S has Long Term Care Ins	Categ
10	S10HILTC	S10HILTC:W10 S has Long Term Care Ins	Categ
11	S11HILTC	S11HILTC:W11 S has Long Term Care Ins	Categ
12	S12HILTC	S12HILTC:W12 S has Long Term Care Ins	Categ
13	S13HILTC	S13HILTC:W13 S has Long Term Care Ins	Categ
2	R2TYLTC	R2TYLTC:W2 R Type of Long Term Care Ins	Categ
3	R3TYLTC	R3TYLTC:W3 R Type of Long Term Care Ins	Categ
4	R4TYLTC	R4TYLTC:W4 R Type of Long Term Care Ins	Categ
5	R5TYLTC	R5TYLTC:W5 R Type of Long Term Care Ins	Categ
6	R6TYLTC	R6TYLTC:W6 R Type of Long Term Care Ins	Categ
7	R7TYLTC	R7TYLTC:W7 R Type of Long Term Care Ins	Categ
8	R8TYLTC	R8TYLTC:W8 R Type of Long Term Care Ins	Categ
9	R9TYLTC	R9TYLTC:W9 R Type of Long Term Care Ins	Categ
10	R10TYLTC	R10TYLTC:W10 R Type of Long Term Care Ins	Categ
11	R11TYLTC	R11TYLTC:W11 R Type of Long Term Care Ins	Categ
12	R12TYLTC	R12TYLTC:W12 R Type of Long Term Care Ins	Categ
13	R13TYLTC	R13TYLTC:W13 R Type of Long Term Care Ins	Categ
2	S2TYLTC	S2TYLTC:W2 S Type of Long Term Care Ins	Categ
3	S3TYLTC	S3TYLTC:W3 S Type of Long Term Care Ins	Categ
4	S4TYLTC	S4TYLTC:W4 S Type of Long Term Care Ins	Categ
5	S5TYLTC	S5TYLTC:W5 S Type of Long Term Care Ins	Categ
6	S6TYLTC	S6TYLTC:W6 S Type of Long Term Care Ins	Categ
7	S7TYLTC	S7TYLTC:W7 S Type of Long Term Care Ins	Categ
8	S8TYLTC	S8TYLTC:W8 S Type of Long Term Care Ins	Categ
9	S9TYLTC	S9TYLTC:W9 S Type of Long Term Care Ins	Categ
10	S10TYLTC	S10TYLTC:W10 S Type of Long Term Care Ins	Categ
11	S11TYLTC	S11TYLTC:W11 S Type of Long Term Care Ins	Categ
12	S12TYLTC	S12TYLTC:W12 S Type of Long Term Care Ins	Categ
13	S13TYLTC	S13TYLTC:W13 S Type of Long Term Care Ins	Categ
1	R1LTCPRM	R1LTCPRM:W1 Long Term Care Insurance Plan Monthly Premium	Cont
2	R2LTCPRM	R2LTCPRM:W2 Long Term Care Insurance Plan Monthly Premium	Cont
3	R3LTCPRM	R3LTCPRM:W3 Long Term Care Insurance Plan Monthly Premium	Cont
4	R4LTCPRM	R4LTCPRM:W4 Long Term Care Insurance Plan Monthly Premium	Cont
5	R5LTCPRM	R5LTCPRM:W5 Long Term Care Insurance Plan Monthly Premium	Cont
6	R6LTCPRM	R6LTCPRM:W6 Long Term Care Insurance Plan Monthly Premium	Cont
7	R7LTCPRM	R7LTCPRM:W7 Long Term Care Insurance Plan Monthly Premium	Cont
8	R8LTCPRM	R8LTCPRM:W8 Long Term Care Insurance Plan Monthly Premium	Cont
9	R9LTCPRM	R9LTCPRM:W9 Long Term Care Insurance Plan Monthly Premium	Cont
10	R10LTCPRM	R10LTCPRM:W10 Long Term Care Insurance Plan Monthly Premium	Cont
11	R11LTCPRM	R11LTCPRM:W11 Long Term Care Insurance Plan Monthly Premium	Cont
12	R12LTCPRM	R12LTCPRM:W12 Long Term Care Insurance Plan Monthly Premium	Cont

13	R13LTCPRM	R13LTCPRM:W13 Long Term Care Insurance Plan Monthly Premium	Cont
1	S1LTCPRM	S1LTCPRM:W1 Long Term Care Insurance Plan Monthly Premium	Cont
2	S2LTCPRM	S2LTCPRM:W2 Long Term Care Insurance Plan Monthly Premium	Cont
3	S3LTCPRM	S3LTCPRM:W3 Long Term Care Insurance Plan Monthly Premium	Cont
4	S4LTCPRM	S4LTCPRM:W4 Long Term Care Insurance Plan Monthly Premium	Cont
5	S5LTCPRM	S5LTCPRM:W5 Long Term Care Insurance Plan Monthly Premium	Cont
6	S6LTCPRM	S6LTCPRM:W6 Long Term Care Insurance Plan Monthly Premium	Cont
7	S7LTCPRM	S7LTCPRM:W7 Long Term Care Insurance Plan Monthly Premium	Cont
8	S8LTCPRM	S8LTCPRM:W8 Long Term Care Insurance Plan Monthly Premium	Cont
9	S9LTCPRM	S9LTCPRM:W9 Long Term Care Insurance Plan Monthly Premium	Cont
10	S10LTCPRM	S10LTCPRM:W10 Long Term Care Insurance Plan Monthly Premium	Cont
11	S11LTCPRM	S11LTCPRM:W11 Long Term Care Insurance Plan Monthly Premium	Cont
12	S12LTCPRM	S12LTCPRM:W12 Long Term Care Insurance Plan Monthly Premium	Cont
13	S13LTCPRM	S13LTCPRM:W13 Long Term Care Insurance Plan Monthly Premium	Cont
E	REHILTC	REHILTC:EXIT R had Long Term Care Ins	Categ
E	RETYLTC	RETYLTC:EXIT R Type of Long Term Care Ins	Categ
E	RELTCPRM	RELTCPRM:EXIT Long Term Care Insurance Plan Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1HILTC	12246	0.01	0.10	0.0	1.0
R2HILTC	19108	0.07	0.25	0.0	1.0
R3HILTC	17534	0.10	0.30	0.0	1.0
R4HILTC	20696	0.09	0.29	0.0	1.0
R5HILTC	19163	0.09	0.29	0.0	1.0
R6HILTC	17880	0.11	0.31	0.0	1.0
R7HILTC	19834	0.11	0.32	0.0	1.0
R8HILTC	18193	0.12	0.32	0.0	1.0
R9HILTC	16917	0.12	0.33	0.0	1.0
R10HILTC	21293	0.12	0.32	0.0	1.0
R11HILTC	20178	0.11	0.32	0.0	1.0
R12HILTC	18367	0.12	0.32	0.0	1.0
R13HILTC	20370	0.11	0.31	0.0	1.0
S1HILTC	9866	0.01	0.10	0.0	1.0
S2HILTC	12851	0.06	0.24	0.0	1.0
S3HILTC	11639	0.11	0.31	0.0	1.0
S4HILTC	13568	0.10	0.30	0.0	1.0
S5HILTC	12482	0.11	0.31	0.0	1.0
S6HILTC	11469	0.12	0.33	0.0	1.0
S7HILTC	12793	0.13	0.33	0.0	1.0
S8HILTC	11576	0.13	0.34	0.0	1.0
S9HILTC	10489	0.14	0.35	0.0	1.0
S10HILTC	13103	0.13	0.33	0.0	1.0
S11HILTC	12292	0.12	0.33	0.0	1.0
S12HILTC	10826	0.12	0.33	0.0	1.0
S13HILTC	11526	0.12	0.32	0.0	1.0
R2TYLTC	1069	2.23	0.92	1.0	3.0
R3TYLTC	1620	2.64	1.15	1.0	7.0
R4TYLTC	1767	2.54	0.89	1.0	7.0
R5TYLTC	1682	2.63	0.79	1.0	7.0
R6TYLTC	1844	2.71	0.83	1.0	7.0
R7TYLTC	2101	2.76	0.79	1.0	7.0
R8TYLTC	2011	2.72	0.70	1.0	7.0
R9TYLTC	1947	2.76	0.69	1.0	7.0
R10TYLTC	2375	2.78	0.71	1.0	7.0

R11TYLTC	2171	2.75	0.67	1.0	7.0
R12TYLTC	2034	2.76	0.69	1.0	7.0
R13TYLTC	2085	2.75	0.68	1.0	7.0
S2TYLTC	633	2.28	0.90	1.0	3.0
S3TYLTC	1168	2.70	1.15	1.0	7.0
S4TYLTC	1250	2.58	0.89	1.0	7.0
S5TYLTC	1244	2.66	0.77	1.0	7.0
S6TYLTC	1324	2.74	0.81	1.0	7.0
S7TYLTC	1527	2.78	0.76	1.0	7.0
S8TYLTC	1417	2.74	0.67	1.0	7.0
S9TYLTC	1369	2.79	0.68	1.0	7.0
S10TYLTC	1565	2.80	0.65	1.0	7.0
S11TYLTC	1421	2.78	0.65	1.0	7.0
S12TYLTC	1277	2.80	0.61	1.0	7.0
S13TYLTC	1244	2.79	0.65	1.0	7.0
R1LTCPRM	77	44.90	42.98	0.4	290.0
R2LTCPRM	961	97.73	103.21	0.0	990.0
R3LTCPRM	1434	77.87	139.26	0.0	4000.0
R4LTCPRM	1634	107.39	338.14	0.0	9995.0
R5LTCPRM	1572	152.32	628.49	0.0	15600.0
R6LTCPRM	1277	159.98	144.74	0.0	2600.0
R7LTCPRM	1498	177.65	422.47	0.0	13170.0
R8LTCPRM	1492	196.62	651.13	0.0	17668.0
R9LTCPRM	1456	224.27	921.80	0.0	20774.0
R10LTCPRM	1503	183.38	426.75	0.0	14807.0
R11LTCPRM	1416	195.82	730.83	0.0	26740.0
R12LTCPRM	1296	181.99	208.79	0.0	4000.0
R13LTCPRM	1273	173.51	198.28	0.0	3583.3
S1LTCPRM	59	49.13	44.38	8.3	290.0
S2LTCPRM	574	101.37	105.26	0.0	900.0
S3LTCPRM	1029	80.75	154.47	0.0	4000.0
S4LTCPRM	1138	114.24	377.95	0.0	9995.0
S5LTCPRM	1138	152.44	565.81	0.0	15000.0
S6LTCPRM	924	168.09	140.43	0.0	2600.0
S7LTCPRM	1085	169.04	128.40	0.0	1333.3
S8LTCPRM	1052	189.70	375.14	0.0	10530.0
S9LTCPRM	1016	253.59	1097.22	0.0	20774.0
S10LTCPRM	1012	192.47	225.94	0.0	3600.0
S11LTCPRM	951	189.90	167.46	0.0	2083.3
S12LTCPRM	821	200.95	227.85	0.0	4000.0
S13LTCPRM	780	188.37	209.67	0.0	3583.3
REHILTC	13665	0.08	0.28	0.0	1.0
RETYLTC	1029	2.36	0.99	1.0	7.0
RELTCPRM	478	376.85	735.46	0.0	5000.0

Categorical Variable Codes

RwHILTC: R has Long Term Care Ins

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	23	431	356	594	351	249	261	246	270	441
.M=Oth missing	|	383	78	85	72	49	15	20	16	17	261
.R=RF	|		25	16	22	15	21	14	14	13	39
0.No	|	12128	17840	15762	18765	17355	15918	17606	16039	14839	18763
1.Yes	|	118	1268	1772	1931	1808	1962	2228	2154	2078	2530

Value		w11	w12	w13
.D=DK/NA	|	288	304	383
.M=Oth missing	|	63	50	121
.R=RF	|	25	26	38
0.No	|	17881	16191	18121
1.Yes	|	2297	2176	2249

SwHILTC: S has Long Term Care Ins

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	14	202	245	384	231	150	166	149	146	240
.M=Oth missing	|	399	23	29	16	10	5	4	3	4	148
.R=RF	|		14	4	12	7	15	9	7	7	22
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.No	|	9776	12065	10364	12212	11149	10065	11183	10055	9034	11445
1.Yes	|	90	786	1275	1356	1333	1404	1610	1521	1455	1658

Value		w11	w12	w13
.D=DK/NA	|	164	158	200
.M=Oth missing	|	19	16	35
.R=RF	|	13	12	18
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.No	|	10797	9480	10191
1.Yes	|	1495	1346	1335

RwTYLTC: R Type of Long Term Care Ins

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		396	148	163	126	118	127	143	130	153
.M=Oth missing			4							
.Q=Not asked this wv		11420								
.R=RF		3		1					1	2
.S=Skip, no LTC		6754	16219	19453	17770	16203	17901	16315	15139	19504
1.Nursing home care only		355	318	340	252	253	248	247	210	244
2.In-home care only		115	172	185	142	98	98	78	84	100
3.Both		599	1073	1228	1280	1474	1734	1682	1645	2017
7.Other			57	14	8	19	21	4	8	14

Value	w11	w12	w13
.D=DK	125	139	161
.M=Oth missing		1	
.Q=Not asked this wv			
.R=RF	1	2	3
.S=Skip, no LTC	18257	16571	18663
1.Nursing home care only	231	210	212
2.In-home care only	95	95	134
3.Both	1839	1720	1732
7.Other	6	9	7

SwTYLTC: S Type of Long Term Care Ins

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		185	103	105	89	80	83	104	85	93
.M=Oth missing			4							
.Q=Not asked this wv		9125								
.R=RF				1					1	
.S=Skip, no LTC		3531	10642	12624	11397	10235	11362	10214	9191	11855
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	417	536	311	220	380	317	365	722
1.Nursing home care only		192	204	227	176	168	166	163	131	139
2.In-home care only		71	126	121	95	64	65	45	48	56
3.Both		370	793	891	968	1078	1282	1207	1183	1363
7.Other			45	11	5	14	14	2	7	7

Value	w11	w12	w13
.D=DK	74	69	89
.M=Oth missing			
.Q=Not asked this wv			
.R=RF			2
.S=Skip, no LTC	10993	9666	10444
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.Nursing home care only	136	107	111
2.In-home care only	54	53	60
3.Both	1227	1114	1068
7.Other	4	3	5

 REHILTC: EXIT R had Long Term Care Ins

Value	
.D=DK	571
.M=Oth missing	19
.R=RF	10
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
0.No	12536
1.Yes	1129

 RETYLTC: EXIT R Type of Long Term Care Ins

Value	
.D=DK	97
.Q=Not asked this wv	175
.R=RF	1
.S=Skip	12963
.Y=No Exit Interview, No De	26813
.Z=No Exit Interview, Death	974
1.Nursing home care only	301
2.In-home care only	92
3.Both	628
7.Other	8

How Constructed

Core Interview Variables

RwHILTC indicates whether the Respondent is covered by long-term care insurance. RwTYLTC indicates whether the long-term care insurance covers nursing home care only, in-home care only, or both. RwlTCPRM indicates the amount in nominal dollars that the Respondent pays monthly for long-term care coverage. SwHILTC, SwTYLTC, and SwLTCPRM provide the information for the Respondent's spouse or partner.

Though the question structure varies across waves, long-term care insurance coverage can be identified in all of them. If the Respondent indicates that s/he is currently covered by long-term care insurance, then RwHILTC is set to yes (=1). If the Respondent indicates not having coverage, then RwHILTC is set to no (=0). Otherwise, RwHILTC is set to a missing value based on missing values in the HRS variables.

In Wave 2A and from Wave 3 forward, there is a follow-up question(s) about the type of long-term care when the Respondent indicates having long-term care coverage. This question asks whether long-term care covers nursing home care only, long-term care at home, or both. RwTYLTC indicates the type of long-term care coverage based on this question. If the Respondent does not have long-term coverage, then RwTYLTC is set to skip (.S). In Wave 1, R1TYLTC and S1TYLTC are not available because the question is not asked.

If a Respondent indicates having long-term care coverage, there is a series of follow-up questions asking the amount the Respondent pays monthly for long-term care insurance premiums. In all Waves, the Respondent reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts. If the Respondent does not report a clear time period for amount paid (e.g., lump sum, "other"), then the monthly amount cannot be calculated and RwlTCPRM is set to .K.

In Waves 1 and 2, the long-term care premium amount is included with the premium amounts for "other" types of insurance. If a Respondent indicates having long-term care and another type of "other" insurance, then RwlTCPRM is set to .C=Covered elsewhere.

The total amount for all "other" insurance listed can be seen in RwPRPRMx, where "x" indicates the plan number, 1 to 3. If the Respondent does not have long-term care coverage, then RwLTCPRM is set to skip (.S).

From Wave 6 forward, if the Respondent indicates that the long-term care coverage is included a previously described plan, then the premium questions are not asked and RwLTCPRM is set to .C to indicate that the long-term care premium is covered elsewhere.

In Wave 1, S1HILTC and S1LTCPRM are taken from the Financial Respondent's information as appropriate. That is, if the Respondent is the Financial Respondent, then S1HILTC and S1LTCPRM contain the Financial Respondent's spouse's information. If the Respondent is the spouse of the Financial Respondent, then S1HILTC and S1LTCPRM contain the Financial Respondent's information.

From Wave 2 on, SwHILTC, SwTYLTC, and SwLTCPRM are taken from the spouse's self-reported RWHILTC, RWTYLTC, and RWLTCPRM variables, if available. If the Respondent is not married, SwHILTC, SwTYLTC, and SwLTCPRM are set to .U=unmarried. If the Respondent's spouse did not respond then SwHILTC, SwTYLTC, and SwLTCPRM are set to .V=Spouse is non-response.

Exit Interview Variables

REHILTC indicates whether the Respondent was covered by long-term care insurance at time of death. RETYLTC indicates whether the long-term care insurance covered nursing home care only, in-home care only, or both. RELTCPRM indicates the amount in nominal dollars that the Respondent paid monthly for long-term care coverage.

If the proxy indicates that the Respondent was covered by long-term care insurance, then REHILTC is set to yes (=1). If the Respondent did not have coverage, then REHILTC is set to no (=0). Otherwise, REHILTC is set to a missing value based on missing values in the HRS variables.

From Wave 3 forward, there is a follow-up question(s) about the type of long-term care when the proxy indicates the Respondent had long-term care coverage. This question asks whether long-term care covered nursing home care only, long-term care at home, or both. RETYLTC indicates the type of long-term care coverage based on this question. If the Respondent did not have long-term coverage, then RETYLTC is set to skip (.S). RETYLTC is not asked about in Wave 2H, and is set to .Q for Exit Interviews that occur in this wave.

If a proxy indicates the Respondent had long-term care coverage at time of death, there are a series of follow-up questions asking the amount the Respondent paid monthly for long-term care insurance premiums. In all Waves, the proxy reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts. If the proxy does not report a clear time period for the amount paid (e.g., lump sum, "other"), then the monthly amount cannot be calculated and RELTCPRM is set to .K.

In Wave 2H, the long-term care premium amount is included with the premium amounts for "other" types of insurance. If a proxy indicates the Respondent had long-term care and another type of "other" insurance, then RELTCPRM is set to .C=Covered elsewhere. The total amount for all "other" insurance listed can be seen in REPRPRMx, where "x" indicates the plan number, 1 to 3. If the Respondent did not have long-term care coverage, then RELTCPRM is set to skip (.S).

The premium questions are asked in the Exit Interviews beginning in Wave 4. RELTCPRM is set to .Q for Exit Interviews that take place before Wave 4.

From Wave 6 forward, if the proxy indicates that the long-term care coverage was included in a previously described plan, then the premium questions are not asked and RELTCPRM is set to .C to indicate that the long-term care premium is covered elsewhere.

Cross Wave Differences in Original HRS Data

Core Interview Variables

In Wave 1, the health insurance questions are asked only of the Financial Respondent, about the Financial Respondent's insurance coverage and, if married, her/his spouse's insurance coverage. From Wave 2 forward, health insurance questions are asked of individual Respondents about their own coverage only.

In Waves 1, 2H and 2A, there is a lead-in question asking whether the Respondent has any other health insurance. In Waves 1 and 2H, the question is: "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" In Wave 2A, the question is: "Do you have any (other) type of health insurance coverage?"

A follow-up question asks the type of insurance. In Wave 1, any of five possible answers may be given: 1) basic health ("Hospitalization"), 2) Medigap, 3) other supplemental health (AARP-NFS), 4) long-term care (incl. nursing home care) or 5) other(specify).

In Wave 2A, the question asks: "What kind of coverage do you have? Is it basic health insurance, a supplement to Medicare (MEDIGAP) or other health insurance, long-term care insurance, or what?" There are 5 different answers: 1) Basic Health, 2) Medigap, 3) Other Supplemental plan, 4) Long-term Care and 5) Other Specify. Up to four responses are reported.

In Wave 2H, the question asks: "What kind of coverage do you have? Medigap or other supplemental health insurance, long-term care insurance, or what?" The possible responses are: 1) Medigap, 2) Other Supplemental health, 3) Long-term Care (incl. Nursing home care), 4) Heart /cardiac policy, 5) Cancer, 6) dental insurance, 7) Major medical, 8) Hospitalization, 9) Disability, 10) Policy that pays so much per day and 11) Other specific type of insurance.

In Waves 1 and 2H, there is no question about the type of long-term care coverage. In Wave 2A, the type of long-term care coverage is asked in two questions. The first question asks: "Do any of your policies include long-term or nursing home care?" The second question asks: "Does this plan cover home care?"

In Waves 1, 2H and 2A, the question about premiums asks about the amount paid for all listed types of insurance the Respondent indicated in the follow-up question about the type of insurance. These options are listed above. In Wave 1 and 2H, the question asks: "How much do you pay for this insurance?" In Wave 2A, the question asks: "(Again, not counting Medicare,) (How much do you pay for this policy/Taken together, how much do you pay for these policies?)" If a Respondent indicates having long-term care and another type of "other" insurance, then `RwLTCPRM` is set to `.C=Covered elsewhere`.

In Wave 3 and forward, the long-term care question is asked separately: "Not including government programs, do you now have any insurance which specifically pays any part of long-term care, such as, personal or medical care in the home or in a nursing home?" The type of long-term care question is: "Does this plan cover care in a nursing home facility only, personal or long-term care at home, or both in-home and nursing home care?"

In Waves 3 to 5, the long-term care premium question is: "About how much do you pay for this plan?"

From Wave 6 forward, the long-term care premium question is: "How much do you (or your [husband/wife/partner]) pay for this plan?/How much do you (or your [husband/wife/partner]) pay for this long-term care coverage?" If the Respondent indicates that the long-term care coverage is from a previously described plan, then the premium questions are not asked and `RwLTCPRM` is set to `.C` to indicate that the long-term care premium is covered elsewhere.

Exit Interview Variables

In Wave 2H there is a lead-in question asking whether the Respondent has any other health insurance.

In Wave 2H, the question is: "Do you have any type of health insurance coverage, Medigap or other supplemental coverage, or long-term care insurance that is purchased directly from an insurance company or through a membership organization such as AARP (the American Association of Retired Persons)?" Note that in Wave 2H, there is no separately worded survey for the proxy.

A follow-up question asks the type of insurance. In Wave 2H, the question asks: "What kind of coverage do you have? Medigap or other supplemental health insurance, long-term care insurance, or what?" The possible responses are: 1) Medigap, 2) Other Supplemental health, 3) Long-term Care (incl. Nursing home care), 4) Heart /cardiac policy, 5) Cancer, 6) dental insurance, 7) Major medical, 8) Hospitalization, 9) Disability, 10) Policy that pays so much per day and 11) Other specific type of insurance.

In Wave 2H, there is no question about the type of long-term care coverage.

From Wave 3 forward, the long-term care question is asked separately: "Aside from the government programs, did [Respondent] have any insurance which specifically paid any part of long-term care, such as, personal or medical care in the home or in a nursing home?" The type of long-term care question is: "Did this plan cover care in a nursing home facility only, personal or long-term care at home, or both in-home and nursing home care?"

In Waves 4 and 5, the long-term care premium question is: "About how much was (he/she) paying for this plan before (his/her) death?"

From Wave 6 forward, the long-term care premium question is: "How much did (she/he) (or [you/ [his/her] [husband/wife/partner]]) pay per month for this (plan/long term coverage)?" If the Proxy indicates that the long-term care coverage is from a previously described plan, then the premium questions are not asked and RELTCPRM is set to .C to indicate that the long-term care premium is covered elsewhere.

HRS Variables Used

Core Interview Variables

HRS 1992:

VP6632	R14:COV FRM INS CO:IMP/ Sp-Prtnr
VP6633	R14aA:CO/ORG:BASC HLTH/ Sp-Prtnr
VP6634	R14aB:CO/ORG:MEDIGAP/ Sp-Prtnr
VP6635	R14aC:CO/ORG:SUPPLMNTL/ Sp-Prtnr
VP6636	R14aD:CO/ORG:LN-TRM CR/ Sp-Prtnr
VP6637	R14aE:CO/ORG:OTHER/ Sp-Prtnr
VP6638	R14B:CO/ORG:\$ PLN :IMP/ Sp-Prtnr
VP6639	R14B:CO/ORG:COST P:IMP/ Sp-Prtnr
VR6632	R14:COV FRM INS CO:IMP/ Self
VR6633	R14aA:CO/ORG:BASC HLTH/ Self
VR6634	R14aB:CO/ORG:MEDIGAP/ Self
VR6635	R14aC:CO/ORG:SUPPLMNTL/ Self
VR6636	R14aD:CO/ORG:LN-TRM CR/ Self
VR6637	R14aE:CO/ORG:OTHER/ Self
VR6638	R14B:CO/ORG:\$ PLN :IMP/ Self
VR6639	R14B:CO/ORG:COST P:IMP/ Self

AHEAD 1993:

B1859	R6. R OTHER HEALTH INSURANCE: ANY
B1865A1	R7. R OTHER HEALTH INSURANCE: TYPE-1
B1865A2	R7. R OTHER HEALTH INSURANCE: TYPE-2
B1865A3	R7. R OTHER HEALTH INSURANCE: TYPE-3
B1865A4	R7. R OTHER HEALTH INSURANCE: TYPE-4
B1867	R9. R OTH HEALTH INS: TOTAL COST TO R
B1868	R9a. R OTH HEALTH INSUR: TOT COST PERIOD
B1879	R10. R LONG-TERM CARE INS: ANY
B1881	R10b. R L-T CARE INS: COVER HOME CARE

HRS 1994:

W6757	R14b.SUPPLEMENTARY HEALT
W6758	R14c.KIND OF PRIVATE HEA
W6759	R14c.KIND OF PRIVATE HEA
W6760	R14c.KIND OF PRIVATE HEA
W6761	R14c.KIND OF PRIVATE HEA
W6762	R14d1.COST FOR PRIVATE H
W6763	R14d2.PER

AHEAD 1995:

D5263	R15.R LONG-TERM CARE
D5264	R15A. L-T-C COVER

D5267	R15D. L-T CARE PAY
D5268	R15E. PER R15D.
HRS 1996:	
E5266	R85.LTC INSURANCE
E5267	R87.COVER NURSING HOME/IN-HOME CARE
E5270	R90.AMT PAY FOR LTC
E5271	R90.AMT PAY FOR LTC PER
HRS 1998:	
F5999	R85.LTC INSURANCE
F6000	R87.COVER NURSING HOME/IN-HOME CARE
F6003	R90.AMT PAY FOR LTC
F6004	R90.AMT PAY FOR LTC-PER
HRS 2000:	
G6393	R85.LTC INSURANCE
G6394	R87.COVER NURSING HOME/IN-HOME CARE
G6397	R90.AMT PAY FOR LTC
G6398	R90Y1.PER
HRS 2002-2016:	
xN071	LTC INSURANCE
xN072	LTC COV- NEW OR PRE MENTION PLAN
xN073	LTC COV- WHICH PREV MENTION PLAN
xN075	COVER NURSING HOME/IN-HOME CARE
xN079	AMT PAY FOR LTC
xN083	AMT PAY FOR LTC PER

Exit Interview Variables

HRS 1994:	
W6757	R14b.SUPPLEMENTARY HEALT
W6758	R14c.KIND OF PRIVATE HEA
W6759	R14c.KIND OF PRIVATE HEA
W6760	R14c.KIND OF PRIVATE HEA
W6761	R14c.KIND OF PRIVATE HEA
W6762	R14d1.COST FOR PRIVATE H
W6763	R14d2.PER
AHEAD 1995:	
N5394	R15.R LONG-TERM CARE
N5395	R15a.L-T-C COVER
HRS 1996:	
P2286	R15.R LONG-TERM CARE
P2287	R15a. L-T-C COVER
HRS 1998:	
Q2664	R85.LTC INSURANCE
Q2665	R87.COVER NURSING HOME/IN-HOME CARE
Q2668	R90.AMT PAY FOR LTC
Q2669	R90.PAY FOR LONG TERM CARE - PER
HRS 2000:	
R2700	R85.LTC INSURANCE
R2701	R87.COVER NURSING HOME/IN-HOME CARE
R2704	R90.AMT PAY FOR LTC
R2705	R90Y1.PER
HRS 2002-2016:	
xN071	LTC INSURANCE
xN072	LTC COV- NEW OR PRE MENTION PLAN
xN073	LTC COV- WHICH PREV MENTION PLAN
xN075	COVER NURSING HOME/IN-HOME CARE
xN079	AMT PAY FOR LTC
xN083	AMT PAY FOR LTC PER

Tracker Variables

Tracker:
AFINR WHETHER FINANCIAL RESPONDENT

Covered by life insurance

Wave	Variable	Label	Type
1	R1LIFEIN	R1LIFEIN:W1 R has Life Insurance	Categ
2	R2LIFEIN	R2LIFEIN:W2 R has Life Insurance	Categ
3	R3LIFEIN	R3LIFEIN:W3 R has Life Insurance	Categ
4	R4LIFEIN	R4LIFEIN:W4 R has Life Insurance	Categ
5	R5LIFEIN	R5LIFEIN:W5 R has Life Insurance	Categ
6	R6LIFEIN	R6LIFEIN:W6 R has Life Insurance	Categ
7	R7LIFEIN	R7LIFEIN:W7 R has Life Insurance	Categ
8	R8LIFEIN	R8LIFEIN:W8 R has Life Insurance	Categ
9	R9LIFEIN	R9LIFEIN:W9 R has Life Insurance	Categ
10	R10LIFEIN	R10LIFEIN:W10 R has Life Insurance	Categ
11	R11LIFEIN	R11LIFEIN:W11 R has Life Insurance	Categ
12	R12LIFEIN	R12LIFEIN:W12 R has Life Insurance	Categ
13	R13LIFEIN	R13LIFEIN:W13 R has Life Insurance	Categ
1	S1LIFEIN	S1LIFEIN:W1 S has Life Insurance	Categ
2	S2LIFEIN	S2LIFEIN:W2 S has Life Insurance	Categ
3	S3LIFEIN	S3LIFEIN:W3 S has Life Insurance	Categ
4	S4LIFEIN	S4LIFEIN:W4 S has Life Insurance	Categ
5	S5LIFEIN	S5LIFEIN:W5 S has Life Insurance	Categ
6	S6LIFEIN	S6LIFEIN:W6 S has Life Insurance	Categ
7	S7LIFEIN	S7LIFEIN:W7 S has Life Insurance	Categ
8	S8LIFEIN	S8LIFEIN:W8 S has Life Insurance	Categ
9	S9LIFEIN	S9LIFEIN:W9 S has Life Insurance	Categ
10	S10LIFEIN	S10LIFEIN:W10 S has Life Insurance	Categ
11	S11LIFEIN	S11LIFEIN:W11 S has Life Insurance	Categ
12	S12LIFEIN	S12LIFEIN:W12 S has Life Insurance	Categ
13	S13LIFEIN	S13LIFEIN:W13 S has Life Insurance	Categ
1	R1WLIPRM	R1WLIPRM:W1 Whole Life Insurance Monthly Premium	Cont
2	R2WLIPRM	R2WLIPRM:W2 Whole Life Insurance Monthly Premium	Cont
3	R3WLIPRM	R3WLIPRM:W3 Whole Life Insurance Monthly Premium	Cont
5	R5WLIPRM	R5WLIPRM:W5 Whole Life Insurance Monthly Premium	Cont
6	R6WLIPRM	R6WLIPRM:W6 Whole Life Insurance Monthly Premium	Cont
7	R7WLIPRM	R7WLIPRM:W7 Whole Life Insurance Monthly Premium	Cont
8	R8WLIPRM	R8WLIPRM:W8 Whole Life Insurance Monthly Premium	Cont
9	R9WLIPRM	R9WLIPRM:W9 Whole Life Insurance Monthly Premium	Cont
10	R10WLIPRM	R10WLIPRM:W10 Whole Life Insurance Monthly Premium	Cont
11	R11WLIPRM	R11WLIPRM:W11 Whole Life Insurance Monthly Premium	Cont
12	R12WLIPRM	R12WLIPRM:W12 Whole Life Insurance Monthly Premium	Cont
13	R13WLIPRM	R13WLIPRM:W13 Whole Life Insurance Monthly Premium	Cont
1	S1WLIPRM	S1WLIPRM:W1 Whole Life Insurance Monthly Premium	Cont
2	S2WLIPRM	S2WLIPRM:W2 Whole Life Insurance Monthly Premium	Cont
3	S3WLIPRM	S3WLIPRM:W3 Whole Life Insurance Monthly Premium	Cont
5	S5WLIPRM	S5WLIPRM:W5 Whole Life Insurance Monthly Premium	Cont
6	S6WLIPRM	S6WLIPRM:W6 Whole Life Insurance Monthly Premium	Cont
7	S7WLIPRM	S7WLIPRM:W7 Whole Life Insurance Monthly Premium	Cont
8	S8WLIPRM	S8WLIPRM:W8 Whole Life Insurance Monthly Premium	Cont
9	S9WLIPRM	S9WLIPRM:W9 Whole Life Insurance Monthly Premium	Cont
10	S10WLIPRM	S10WLIPRM:W10 Whole Life Insurance Monthly Premium	Cont
11	S11WLIPRM	S11WLIPRM:W11 Whole Life Insurance Monthly Premium	Cont
12	S12WLIPRM	S12WLIPRM:W12 Whole Life Insurance Monthly Premium	Cont
13	S13WLIPRM	S13WLIPRM:W13 Whole Life Insurance Monthly Premium	Cont
1	R1TLIPRM	R1TLIPRM:W1 Term Life Insurance Monthly Premium	Cont
2	R2TLIPRM	R2TLIPRM:W2 Term Life Insurance Monthly Premium	Cont
3	R3TLIPRM	R3TLIPRM:W3 Term Life Insurance Monthly Premium	Cont
1	S1TLIPRM	S1TLIPRM:W1 Term Life Insurance Monthly Premium	Cont
2	S2TLIPRM	S2TLIPRM:W2 Term Life Insurance Monthly Premium	Cont
3	S3TLIPRM	S3TLIPRM:W3 Term Life Insurance Monthly Premium	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIFEIN	12469	0.70	0.46	0.0	1.0
R2LIFEIN	19375	0.67	0.47	0.0	1.0
R3LIFEIN	17802	0.68	0.47	0.0	1.0
R4LIFEIN	21151	0.69	0.46	0.0	1.0
R5LIFEIN	19344	0.67	0.47	0.0	1.0
R6LIFEIN	17915	0.66	0.47	0.0	1.0
R7LIFEIN	19887	0.66	0.47	0.0	1.0
R8LIFEIN	18240	0.64	0.48	0.0	1.0
R9LIFEIN	16975	0.63	0.48	0.0	1.0
R10LIFEIN	21480	0.59	0.49	0.0	1.0
R11LIFEIN	20247	0.58	0.49	0.0	1.0
R12LIFEIN	18449	0.57	0.50	0.0	1.0
R13LIFEIN	20517	0.55	0.50	0.0	1.0
S1LIFEIN	10092	0.72	0.45	0.0	1.0
S2LIFEIN	13128	0.72	0.45	0.0	1.0
S3LIFEIN	11842	0.73	0.44	0.0	1.0
S4LIFEIN	13892	0.74	0.44	0.0	1.0
S5LIFEIN	12624	0.71	0.45	0.0	1.0
S6LIFEIN	11525	0.71	0.45	0.0	1.0
S7LIFEIN	12848	0.71	0.46	0.0	1.0
S8LIFEIN	11622	0.69	0.46	0.0	1.0
S9LIFEIN	10538	0.67	0.47	0.0	1.0
S10LIFEIN	13229	0.63	0.48	0.0	1.0
S11LIFEIN	12347	0.62	0.49	0.0	1.0
S12LIFEIN	10895	0.60	0.49	0.0	1.0
S13LIFEIN	11623	0.59	0.49	0.0	1.0
R1WLIPRM	3560	59.87	129.07	0.0	3500.0
R2WLIPRM	1759	30.06	151.66	0.0	4333.3
R3WLIPRM	1672	43.30	336.49	0.0	7500.0
R5WLIPRM	3778	114.68	626.78	0.0	8333.0
R6WLIPRM	4397	70.75	282.60	0.0	10000.0
R7WLIPRM	4954	289.17	1761.14	0.0	60000.0
R8WLIPRM	4300	86.84	1089.86	0.0	70000.0
R9WLIPRM	3927	84.09	587.70	0.0	33330.0
R10WLIPRM	4681	79.37	458.04	0.0	29088.0
R11WLIPRM	4391	83.80	284.58	0.0	11827.0
R12WLIPRM	3985	83.39	206.29	0.0	6666.7
R13WLIPRM	4021	99.80	330.71	0.0	10000.0
S1WLIPRM	3051	59.73	111.88	0.0	1700.0
S2WLIPRM	1181	30.53	111.78	0.0	2500.0
S3WLIPRM	1034	56.82	420.92	0.0	7500.0
S5WLIPRM	2692	116.52	592.14	0.0	8333.0
S6WLIPRM	3118	75.54	276.51	0.0	10000.0
S7WLIPRM	3492	348.36	1982.03	0.0	60000.0
S8WLIPRM	3026	98.93	1291.77	0.0	70000.0
S9WLIPRM	2702	91.25	680.96	0.0	33330.0
S10WLIPRM	3132	87.57	543.31	0.0	29088.0
S11WLIPRM	2840	86.87	300.90	0.0	11827.0
S12WLIPRM	2487	89.17	186.47	0.0	3318.0
S13WLIPRM	2409	105.31	335.89	0.0	10000.0
R1TLIPRM	5382	29.78	74.24	0.0	2100.0
R2TLIPRM	7356	27.26	83.24	0.0	4333.3

R3TLIPRM	2069	24.93	109.69	0.0	3309.0
S1TLIPRM	4369	30.38	68.89	0.0	900.0
S2TLIPRM	5192	29.52	68.05	0.0	2000.0
S3TLIPRM	1094	23.63	94.80	0.0	2500.0

Categorical Variable Codes

RwLIFEIN: R has Life Insurance											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	20	74	63	103	114	140	123	125	139	160
.M=Oth missing	|	95	125	86	72	49	18	36	22	23	278
.R=RF	|	68	68	40	58	71	92	83	82	80	116
0.No	|	3728	6418	5682	6496	6418	6066	6793	6490	6343	8843
1.Yes	|	8741	12957	12120	14655	12926	11849	13094	11750	10632	12637
Value		w11	w12	w13							
.D=DK/NA	|	127	122	109							
.M=Oth missing	|	60	63	138							
.R=RF	|	120	113	148							
0.No	|	8591	8004	9238							
1.Yes	|	11656	10445	11279							

RwLIFEIN: R has Life Insurance											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|	20	74	63	103	114	140	123	125	139	160
.M=Oth missing	|	95	125	86	72	49	18	36	22	23	278
.R=RF	|	68	68	40	58	71	92	83	82	80	116
0.No	|	3728	6418	5682	6496	6418	6066	6793	6490	6343	8843
1.Yes	|	8741	12957	12120	14655	12926	11849	13094	11750	10632	12637
Value		w11	w12	w13							
.D=DK/NA	|	127	122	109							
.M=Oth missing	|	60	63	138							
.R=RF	|	120	113	148							
0.No	|	8591	8004	9238							
1.Yes	|	11656	10445	11279							

How Constructed

RwLIFEIN indicates whether the Respondent has any life insurance. This encompasses both whole life insurance policies, which are valid for an individual's entire life and include an investment component, as well as term life insurance policies, which are only valid for a predetermined period of time. RwwLIPRM indicates the amount in nominal dollars that the Respondent pays monthly for whole life insurance. RwtLIPRM indicates the amount in nominal dollars that the Respondent pays monthly for term life insurance. SwLIFEIN, SwWLIPRM, and SwTLIPRM provide this information for the Respondent's spouse or partner.

Life insurance coverage can be identified in all waves. The question asks if the Respondent (and in Waves 1 and 2A, the Financial

Respondent's spouse) has any life insurance. The wording varies slightly across waves. It is asked at the household level of the Financial Respondent in Waves 1 and 2A, and at the Respondent level in Wave 2H and from Wave 3 forward. The variable for this question (RwLIFEIN) is simply recoded to 0/1 (No/Yes) and for missing values.

In Waves 1 through 3A, a series of follow up questions asks Respondents if any of these policies are for term life insurance, and if so, how much the premium is for their term life insurance [policy/policies]. The Respondent reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts and reported in RwTLIPRM. If the Respondent does not report a clear time period for amount paid (e.g., missing, lump sum, "other"), then the monthly amount cannot be calculated and RwTLIPRM is set to .K. From Wave 3H forward, the question is not asked; in Wave 3H, RwTLIPRM is set to .Q and from Wave 4 forward, RwTLIPRM and SwTLIPRM are not available.

In Waves 1, 2A, 3A, and from Wave 5 forward, a series of follow up questions asks Respondents if any of these policies are for whole life insurance, and if so, how much the premium is for their whole life insurance [policy/policies]. The Respondent reports the amount paid as a fixed dollar amount per time period (e.g., bi-weekly, monthly). All dollar amounts are converted to monthly amounts and reported in RwWLIPRM. If the Respondent does not report a clear time period for amount paid (e.g., missing, lump sum, "other"), then the monthly amount cannot be calculated and RwWLIPRM is set to .K. In Waves 2H, 3H, and 4, the question is not asked; in Waves 2H and 3H RwWLIPRM is set to .Q and in Wave 4, RwWLIPRM and SwWLIPRM are not available.

For Waves 1 and 2A, SwLIFEIN, SwWLIPRM, and SwTLIPRM are taken from the Financial Respondent's information as appropriate. That is, if the Respondent is the Financial Respondent, then SwLIFEIN, SwWLIPRM, and SwTLIPRM contain the Financial Respondent's spouse's information. If the Respondent is the spouse of the Financial Respondent, then SwLIFEIN, SwWLIPRM, and SwTLIPRM contain the Financial Respondent's information.

In Wave 2H and from Wave 3 forward, the spouse information is taken from the spouse's self-reported RwLIFEIN, RwWLIPRM, and RwTLIPRM variables, if available.

If the Respondent is not married, SwLIFEIN, SwWLIPRM, and SwTLIPRM are set to .U=unmarried. If the Respondent's spouse did not respond then SwLIFEIN, SwWLIPRM, and SwTLIPRM are set to .V=Spouse is non-response.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2A, the life insurance questions are asked only of the Financial Respondent. Questions inquire about the Financial Respondent's insurance coverage and, if married, her/his spouse's insurance coverage. In Wave 2H and from Wave 3 forward, life insurance questions are asked of individual Respondents about their own coverage only.

For life insurance coverage, the question wording has varied slightly over time. In Waves 1, 2H, 5, and 6 forward, the question asks: "Do you have any life insurance, including individual or group policies?"

In Wave 2A, the question is preceded by: "My next questions are about life insurance. (First I will ask about insurance on own life then about insurance on your [spouse]'s life." The question then asks, "Do you yourself have any life insurance, including individual or group policies from a former employer or union or some other source?"

In Wave 1 and Wave 2A, a second question asks the Financial Respondent: "Does your [spouse] have any life insurance, including individual or group policies?"

In Wave 3A the question asks: "My next questions are about life insurance. Do you yourself have any life insurance, including individual or group policies from a former employer or union or some other source?"

In Waves 3H and 4 the question asks: "Do you currently have any life insurance?"

For term life insurance premiums, the question wording varies. In Waves 1 and 2H, the initial question asks, "Are any of these group or individual term insurance policies?" and the follow up questions asks, "About how much do you pay for (this/these) term insurance (policy/policies) each month or year?"

In Waves 2A and 3A, the initial question asks "Are any of these term insurance policies?" If the Respondent indicates s/he has only one term life insurance policy, the follow up question asks, "About how much do you pay for that insurance?" If the Respondent indicates s/he has more than one term life insurance policy, in Wave 2A, the follow up question asks, "About how much do you pay for the largest term insurance policy you have?" and in Wave 3A asks, "How much (in total) do you pay in premiums for term insurance?"

In Wave 2A, note that for term life insurance premiums, only the premium for the largest term policy is recorded. Also note that from Wave 4 forward, there are no questions about term life insurance premiums.

For whole life insurance premiums, the question wording varies across Waves. In Waves 1, 2A, and 3A, the initial question asks, "Do you have any life insurance policies that build up a cash value or that you can borrow on?" and includes the clarification, "Def: (These are sometimes called 'Whole Life' or 'Straight Life Policies.')"

In Wave 1, the follow up question asks, "How much in total are the monthly or annual premiums on [this policy/the two (largest) policies]?"

In Waves 2A and 3A, the follow up question asks, "How much (in total) do you pay in premiums on (this policy/all these policies)?"

From Wave 5 forward, the initial question asks, "(Altogether) about how much do you pay for [this policy/these policies] each month or year?" and the follow up questions asks, "[Is this a life insurance policy that builds/Are any of these life insurance policies ones that build] up a cash value that you can borrow against, or that you would receive if the policy were to be cancelled?"

Note for any whole life insurance premiums in Wave 1, only the premium for the largest two whole life insurance policies are recorded. Also note that in Waves 2H, 3H, and 4, there are no questions about whole life insurance premiums.

HRS Variables Used

HRS 1992:

VP6701	R16:HAVE LIFE INSURANC/ Sp-Prtnr
VP6702	R17:TERM INS POLICIES/ Sp-Prtnr
VP6705	R17C:TRM IN:\$ INS COST/ Sp-Prtnr
VP6706	R17C:TRM IN:PAY MO/YR/ Sp-Prtnr
VP6711	R18:BUILD*CASH VAL*POL/ Sp-Prtnr
VP6714	R18C:*CV1:\$ PREMIUMS/ Sp-Prtnr
VP6715	R18C:*CV1:MTHLY/ANNLY/ Sp-Prtnr
VP6716	R18C:*CV2:\$ PREMIUMS/ Sp-Prtnr
VP6717	R18C:*CV2:MTHLY/ANNLY/ Sp-Prtnr
VR6701	R16:HAVE LIFE INSURANC/ Self
VR6702	R17:TERM INS POLICIES/ Self
VR6705	R17C:TRM IN:\$ INS COST/ Self
VR6706	R17C:TRM IN:PAY MO/YR/ Self
VR6711	R18:BUILD*CASH VAL*POL/ Self
VR6714	R18C:*CV1:\$ PREMIUMS/ Self
VR6715	R18C:*CV1:MTHLY/ANNLY/ Self
VR6716	R18C:*CV2:\$ PREMIUMS/ Self
VR6717	R18C:*CV2:MTHLY/ANNLY/ Self

AHEAD 1993:

B1884	R11. R LIFE INSURANCE: ANY
BP1884	R11|18.LIFE INSURANCE:ANY/Sp-P
BP1885	R12|19.TERM LIFE INS:ANY/Sp-P
BP1887	R12b|19b.TERM LIFE INS:POLICY COST/Sp-P
BP1888	R12c|19c.TERM LIFE INS:COST PERIOD/Sp-P
BP1893	R15|22.WHOLE LIFE INS:ANY/Sp-P
BP1895	R15b|22b.WHOLE LIFE INS:TOT PREMIUM/Sp-P
BP1896	R15c|22c.WHL LIFE INS:PREMIUM PER/Sp
BR1884	R11|18.LIFE INSURANCE:ANY/Self

BR1885	R12|19.TERM LIFE INS:ANY/Self
BR1887	R12b|19b.TERM LIFE INS:POLICY COST/Self
BR1888	R12c|19c.TERM LIFE INS:COST PERIOD/Self
BR1893	R15|22.WHOLE LIFE INS:ANY/Self
BR1895	R15b|22b.WHOLE LIFE INS:TOT PREMIUM/Self
BR1896	R15c|22c.WHL LIFE INS:PREMIUM PER/Slf
HRS 1994:	
W6764	R15.LIFE INSURANCE
W6765	R16.GROUP/INDIVIDUAL TER
W6768	R16c1.COST FOR TERM INSU
W6769	R16c2.PER
AHEAD 1995:	
D5279	R16.R LIFE INS
D5280	R16A.R TERM INS
D5284	R16C. R INS PAY\$ TERM
D5285	R16D.PER R16C
D5297	R18.R WHOLE LIFE INS
D5299	R18B.R LIFE INS PREM\$
D5300	R18C.PER R15B
HRS 1996:	
E5284	R94.HAVE ANY LIFE INSURANCE
HRS 1998:	
F6015	R94.HAVE ANY LIFE INSURANCE
HRS 2000:	
G6409	R94.HAVE ANY LIFE INSURANCE
G6419	R95.NUMBER LIFE INSURANCE POLICIES
G6429	R99.POLICIES BUILD UP CASH VALUE
G6438	R99C.AMOUNT PAY FOR PREMIUMS
G6439	R99C1.PER
HRS 2002-2016:	
xT011	R HAVE ANY LIFE INSURANCE
xT012	NUMBER OF DIFF LIFE INS POLICIES R HAS
xT018	R HAVE WHOLE/STRAIGHT LIFE INS POLICIES
xT024	TOTAL AMT R PAY FOR LIFE INS POLICIES
xT025	TOTAL AMT R PAY FOR LIFE INS - PER
HRS 2004-2016:	
xT026	TOTAL AMT R PAY FOR LIFE INS POLIC - MIN
xT027	TOTAL AMT R PAY FOR LIFE INS POLIC - MAX
xT028	TOTAL AMT R PAY FOR LIFE INS POLIC - RES
Tracker:	
xFINR	1992-1993 WHETHER FINANCIAL RESPONDENT

Section H: Family Structure

Number of people living in the household

Wave	Variable	Label	Type
1	H1HHRES	H1HHRES:W1 Number of people in HH	Cont
2	H2HHRES	H2HHRES:W2 Number of people in HH	Cont
3	H3HHRES	H3HHRES:W3 Number of people in HH	Cont
4	H4HHRES	H4HHRES:W4 Number of people in HH	Cont
5	H5HHRES	H5HHRES:W5 Number of people in HH	Cont
6	H6HHRES	H6HHRES:W6 Number of people in HH	Cont
7	H7HHRES	H7HHRES:W7 Number of people in HH	Cont
8	H8HHRES	H8HHRES:W8 Number of people in HH	Cont
9	H9HHRES	H9HHRES:W9 Number of people in HH	Cont
10	H10HHRES	H10HHRES:W10 Number of people in HH	Cont
11	H11HHRES	H11HHRES:W11 Number of people in HH	Cont
12	H12HHRES	H12HHRES:W12 Number of people in HH	Cont
13	H13HHRES	H13HHRES:W13 Number of people in HH	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1HHRES	12652	2.74	1.33	1.0	14.0
H2HHRES	19638	2.31	1.19	1.0	14.0
H3HHRES	17991	2.29	1.27	1.0	16.0
H4HHRES	21384	2.28	1.23	1.0	19.0
H5HHRES	19578	2.22	1.20	1.0	18.0
H6HHRES	18165	2.13	1.08	1.0	15.0
H7HHRES	20129	2.24	1.17	1.0	15.0
H8HHRES	18469	2.18	1.14	1.0	14.0
H9HHRES	17217	2.14	1.12	1.0	15.0
H10HHRES	22034	2.36	1.33	1.0	14.0
H11HHRES	20554	2.33	1.33	1.0	15.0
H12HHRES	18747	2.30	1.31	1.0	15.0
H13HHRES	20912	2.40	1.38	1.0	14.0

How Constructed

HwHHRES counts the number of residents in the household, including the Respondent and spouse.

Number of residents in the household for Waves 1 and 2H are derived by counting the number of people reported in the household roster. All household residents, including the Respondent and spouse, appear as observations in the HHLIST files for these waves. They are counted in preprocessing that collapses the household roster to Respondent-level observations.

In Wave 2A, household residents are identified by the HHMEMADD flag in the other-persons file and counted by household. If a household resident is married, the spouse is considered a resident as well. If the household is missing from the other-persons file, the number in the household, not including the Respondent and spouse, is taken from a direct question.

The number of residents from Wave 3 forward can be ascertained by checking the status for each person listed on the household roster. The household roster includes household residents and non-resident children. The status variable indicates whether a person is a resident or not. In Waves 3 to 5, the status variable for spouses of people on the household roster is checked for residency as well. The temporarily away status is NOT considered an indicator of residence for this variable. From Wave 6 forward, resident spouses of household members are listed as individuals on the household roster. From Wave 3 forward, the household roster is found in the HRS

PR_MC section.

Anyone with a status indicating residence is counted for the household. In Wave 2A and from Wave 3 forward, if the HRS household is a single person, one is added to the count; if it is a couple, two is added to the count, so that the count includes the HRS Respondents as residents as well.

Cross Wave Differences in Original HRS Data

Information about household members is provided at the household-level and is given by the cover sheet Respondent at each wave.

In Waves 1 and 2H, the raw HRS data provide household resident data in a separate section with one observation per household resident. Preprocessing of Wave 1 and 2H data collapses the household resident-level observations to the household-level and then assigns them to each Respondent.

In Wave 2A, the AHEAD data provide information about household residents and children in a separate other-persons file. Additionally, in Wave 2A, a direct question asks about the number of household residents; this question is answered by the first Respondent in the household, called the cover sheet Respondent in later waves.

From Wave 3 forward, the resident and non-resident children and other household residents are found in the HRS PR_MC section. A status variable indicates whether the individual, including a child, is a household resident or not. Household resident information is provided by the cover sheet Respondent and information about children is updated by the Family Respondent.

In Waves 1 and 2H, the Respondent and spouse are included in the household roster, along with other household members and their spouses. In Wave 2A and from Wave 3 forward, the Respondent and spouse are not included in the household roster. Also, couples among other household members appear on one observation in Waves 2A, 3, 4, and 5. In Wave 2A, marital status of residents indicates whether a spouse also resides in the household. From Wave 3 to Wave 5, a spouse status variable indicates whether the spouse is a resident. From Wave 6 forward, household members' spouses are included as individuals on the household roster as they were in 1992 and 1994.

In Wave 2A the direct question about the number of household residents that is asked of the cover sheet Respondent is:

"Other than you [and your (husband/wife/partner)], how many people are living with you?"

HRS Variables Used

HRS 1992:	
VNHLST	HRS W1: # on HHLIST
AHEAD 1993:	
B407	D3. # OTHERS IN HH (BESIDES R AND SP)
BSUBHH	1993 SUB-HOUSEHOLD IDENTIFIER
HHMEMADD	HOUSEHOLD MEMBER ADDED BY STAFF
MARSTATP	MARITAL STATUS CHILD/OTHR HHM
HRS 1994:	
W8307	Moved out:Year
AHEAD 1995:	
D13	HHMEM SP STATUS
D6	HHMEM STATUS W2
DHHID	DHHID: AHD 95 Household ID (char7)
HRS 1996:	
E13	HHMEM S/P STATUS
E6	UPDATED HHMEM STATUS
EHHID	EHHID: HRS 96 Household ID (char7)
HRS 1998:	
F14	HHMEM SP STATUS

F7	HHMEM STATUS
FHHID	FHHID: HRS 98 Household ID (char7)
HRS 2000:	
G14	HHMEM SP STATUS - UPDATED
G7	HHMEM STATUS - UPDATED
GHHID	GHHID: HRS 00 Household ID (char7)
HRS 2002-2016:	
xx056_MC	RESIDENCY STATUS-UPDATED
Tracker:	
HHID	HOUSEHOLD IDENTIFIER
xSUBHH	1993-1994 SUB-HOUSEHOLD IDENTIFIER

Number of children

Wave	Variable	Label	Type
1	H1CHILD	H1CHILD:W1 Number of living children R/P	Cont
2	H2CHILD	H2CHILD:W2 Number of living children R/P	Cont
3	H3CHILD	H3CHILD:W3 Number of living children R/P	Cont
4	H4CHILD	H4CHILD:W4 Number of living children R/P	Cont
5	H5CHILD	H5CHILD:W5 Number of living children R/P	Cont
6	H6CHILD	H6CHILD:W6 Number of living children R/P	Cont
7	H7CHILD	H7CHILD:W7 Number of living children R/P	Cont
8	H8CHILD	H8CHILD:W8 Number of living children R/P	Cont
9	H9CHILD	H9CHILD:W9 Number of living children R/P	Cont
10	H10CHILD	H10CHILD:W10 Number of living children R/P	Cont
11	H11CHILD	H11CHILD:W11 Number of living children R/P	Cont
12	H12CHILD	H12CHILD:W12 Number of living children R/P	Cont
13	H13CHILD	H13CHILD:W13 Number of living children R/P	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
H1CHILD	12652	3.33	2.16	0.0	19.0
H2CHILD	19637	3.09	2.23	0.0	22.0
H3CHILD	17907	3.19	2.20	0.0	20.0
H4CHILD	21209	3.20	2.21	0.0	20.0
H5CHILD	19398	3.25	2.23	0.0	20.0
H6CHILD	17935	3.29	2.25	0.0	21.0
H7CHILD	19774	3.19	2.17	0.0	22.0
H8CHILD	18131	3.21	2.14	0.0	19.0
H9CHILD	16846	3.25	2.16	0.0	19.0
H10CHILD	21609	3.12	2.10	0.0	20.0
H11CHILD	20272	3.15	2.11	0.0	22.0
H12CHILD	18469	3.15	2.09	0.0	20.0
H13CHILD	20400	3.02	2.05	0.0	18.0

How Constructed

HwCHILD provides the number of living, in contact children of the Respondent and spouse or partner.

The number of living children is summed, including anyone who is a child or step-child of the Respondent or spouse. Counts of individual children are assigned to the HwCHILD variables. All of the Respondent's and spouse's living children are counted for one total. For a count of biological children born to the Respondent, see RweVBRN and related variables.

In Waves 1 and 2H, living children are counted from among children in the KIDS file. In Wave 2A, living children are counted from among the children in the Other-Persons file based on relationships to the male and female members of the AHEAD couple. If a household is missing any children using this method, a direct question to the Family Respondent is used.

From Wave 3 forward, living children are counted from child status variables in the household roster. The status is checked to ensure the child is alive and in contact. The relationships to both Respondents are checked for child or step-child. Living children (in contact) of either Respondent are counted. If the status of any child is unknown, HwCHILD is set to .M. If there are no children listed in HRS PR_MC for the household and the maximum number of children derived in prior waves is zero, then HwCHILD is set to zero.

From Wave 3 forward, there are also household-level variables that indicate the number of living, resident, and non-resident children. These may or may not agree with the count of children in the PR_MC data. These are checked for reasonability with each other and with the number of children ever born and living at the time of interview. They are also checked for reasonability with HwCHILD derived for other waves, accounting for changes in household composition. If reasonable, these are used to fill HwCHILD when it is missing after the PR_MC counts.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the raw HRS data provide child-level data in a separate section with separate observations for each child, including in-laws. Preprocessing of Wave 1 and 2H data collapses the child-level observations to each Respondent.

In Wave 2A, the AHEAD data provide information about household residents and children in a separate other-persons file. Additionally, in Wave 2A, direct questions about the number of children are asked of the Family Respondent. The question is:

"How many (other) living children or step-children do you [or your husband/wife/partner)] have?"

From Wave 3 forward, the child data needed to derive these variables can be found in the HRS PR_MC section, for the appropriate wave. The PR_MC data include an observation for each child, regardless of whether the child is a resident or a non-resident, and all other household residents. A status variable indicates whether an individual is a resident and whether a child is alive and in contact. There are relationship codes for both the Family and Non-Family Respondent, from which children can be identified. Beginning in Wave 6, spouses of children appear as separate observations in the PR_MC data, and the relationship codes change and becomes more detailed. In all these waves, there are also household level variables that indicate number of living children. These may or may not agree with the count of children in the PR_MC data.

There have been a number of data alerts for the child data for HRS 1992 and 1994. Those posted on the HRS website as of this writing have been applied to these data.

HRS Variables Used

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HRS 1992:
V1201      E18A:OTHER CHILDREN :IMP
V1202      E19:CHILDREN NOT AT :IMP
V1203      E20-E32:#CHLDRN NOT :IMP
V902       E2:KIDS LIVE W/ YOU?
V903       E2A:KIDS AWAY AT SCHOOL
V905       E3-E7:SUMMARY:#CHILD HOME
VNKIDS     HRS W1: # kids

AHEAD 1993:
B435       D20. # NON-RESIDENT CHILDREN
BSUBHH     1993 SUB-HOUSEHOLD IDENTIFIER
RELATE_F   RELATIONSHIP TO FEMALE R
RELATE_M   RELATIONSHIP TO MALE R

HRS 1994:
W8003      RELATIONSHIP TO R
W8004      CHILD PROBLEM CODE
WNKIDS     HRS W2: # W2 kids

AHEAD 1995:
D10        HHMEM REL TO IDFM
D11        HHMEM REL TO IDNFM
D506       CS # RES CHILD|505U(1/20)=
D508       CS # NR KIDS|507U(1/20)=
D513       CS # CHILDREN|512U(1/20)=
D6         HHMEM STATUS W2
D668       A9.# CHILDREN EVER
D669       A9A.FERTILITY LIVING
DHHID      DHHID: AHD 95 Household ID (char7)
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HRS 1996:
 E10 HHMEM REL TO FAMILY R
 E11 HHMEN REL TO NONFAM R
 E506 CS # RESIDENT CHILDREN
 E508 CS # NON-RESIDENT CHILDREN
 E513 CS # CHILDREN TOTAL
 E6 UPDATED HHMEM STATUS
 E668 A9.# CHILDREN EVER
 E669 A9A.NUMBER OF LIVING CHILDREN
 EHHID EHHID: HRS 96 Household ID (char7)
 HRS 1998:
 F1006 A9.# CHILDREN EVER
 F1007 A9A.FERTILITY LIVING
 F11 HHMEM REL TO IDFM - UPDATED
 F12 HHMEM REL TO IDNFM - UPDATED
 F7 HHMEM STATUS
 F809 CS # RES CHILD
 F811 CS # NR KIDS
 FHHID FHHID: HRS 98 Household ID (char7)
 HRS 2000:
 G1093 A9.# CHILDREN EVER
 G1094 A9A.FERTILITY LIVING
 G11 HHMEM REL TO IDFM - UPDATED
 G12 HHMEM REL TO IDNFM - UPDATED
 G7 HHMEM STATUS - UPDATED
 G886 CS49Y10.CS # RES CHILD
 G888 CS49Y12.CS # NR KIDS
 G893 CS49Y16.CS # CHILDREN
 GHHID GHHID: HRS 00 Household ID (char7)
 HRS 2002-2016:
 xA099 NUMBER OF RESIDENT CHILDREN
 xA100 COUNT OF NONRESIDENT KIDS
 xA101 COUNT OF KIDS - NOT THEIR SPOUSES
 xB033 NUMBER CHILDREN EVER
 xB034 NUMBER LIVING CHILDREN
 xX056_MC RESIDENCY STATUS-UPDATED
 xX061_MC RELATIONSHIP TO R-UPDATED
 xX063_MC RELATIONSHIP HHM TO SP - UPDATED
 Tracker:
 HHID HOUSEHOLD IDENTIFIER
 xSUBHH 1993-1994 SUB-HOUSEHOLD IDENTIFIER

Number of living siblings

Wave	Variable	Label	Type
1	R1LIVBRO	R1LIVBRO:W1 Number of living brothers	Cont
2	R2LIVBRO	R2LIVBRO:W2 Number of living brothers	Cont
3	R3LIVBRO	R3LIVBRO:W3 Number of living brothers	Cont
4	R4LIVBRO	R4LIVBRO:W4 Number of living brothers	Cont
5	R5LIVBRO	R5LIVBRO:W5 Number of living brothers	Cont
6	R6LIVBRO	R6LIVBRO:W6 Number of living brothers	Cont
7	R7LIVBRO	R7LIVBRO:W7 Number of living brothers	Cont
8	R8LIVBRO	R8LIVBRO:W8 Number of living brothers	Cont
9	R9LIVBRO	R9LIVBRO:W9 Number of living brothers	Cont
10	R10LIVBRO	R10LIVBRO:W10 Number of living brothers	Cont
11	R11LIVBRO	R11LIVBRO:W11 Number of living brothers	Cont
12	R12LIVBRO	R12LIVBRO:W12 Number of living brothers	Cont
13	R13LIVBRO	R13LIVBRO:W13 Number of living brothers	Cont
1	S1LIVBRO	S1LIVBRO:W1 Number of living brothers	Cont
2	S2LIVBRO	S2LIVBRO:W2 Number of living brothers	Cont
3	S3LIVBRO	S3LIVBRO:W3 Number of living brothers	Cont
4	S4LIVBRO	S4LIVBRO:W4 Number of living brothers	Cont
5	S5LIVBRO	S5LIVBRO:W5 Number of living brothers	Cont
6	S6LIVBRO	S6LIVBRO:W6 Number of living brothers	Cont
7	S7LIVBRO	S7LIVBRO:W7 Number of living brothers	Cont
8	S8LIVBRO	S8LIVBRO:W8 Number of living brothers	Cont
9	S9LIVBRO	S9LIVBRO:W9 Number of living brothers	Cont
10	S10LIVBRO	S10LIVBRO:W10 Number of living brothers	Cont
11	S11LIVBRO	S11LIVBRO:W11 Number of living brothers	Cont
12	S12LIVBRO	S12LIVBRO:W12 Number of living brothers	Cont
13	S13LIVBRO	S13LIVBRO:W13 Number of living brothers	Cont
1	R1LIVSIS	R1LIVSIS:W1 Number of living sisters	Cont
2	R2LIVSIS	R2LIVSIS:W2 Number of living sisters	Cont
3	R3LIVSIS	R3LIVSIS:W3 Number of living sisters	Cont
4	R4LIVSIS	R4LIVSIS:W4 Number of living sisters	Cont
5	R5LIVSIS	R5LIVSIS:W5 Number of living sisters	Cont
6	R6LIVSIS	R6LIVSIS:W6 Number of living sisters	Cont
7	R7LIVSIS	R7LIVSIS:W7 Number of living sisters	Cont
8	R8LIVSIS	R8LIVSIS:W8 Number of living sisters	Cont
9	R9LIVSIS	R9LIVSIS:W9 Number of living sisters	Cont
10	R10LIVSIS	R10LIVSIS:W10 Number of living sisters	Cont
11	R11LIVSIS	R11LIVSIS:W11 Number of living sisters	Cont
12	R12LIVSIS	R12LIVSIS:W12 Number of living sisters	Cont
13	R13LIVSIS	R13LIVSIS:W13 Number of living sisters	Cont
1	S1LIVSIS	S1LIVSIS:W1 Number of living sisters	Cont
2	S2LIVSIS	S2LIVSIS:W2 Number of living sisters	Cont
3	S3LIVSIS	S3LIVSIS:W3 Number of living sisters	Cont
4	S4LIVSIS	S4LIVSIS:W4 Number of living sisters	Cont
5	S5LIVSIS	S5LIVSIS:W5 Number of living sisters	Cont
6	S6LIVSIS	S6LIVSIS:W6 Number of living sisters	Cont
7	S7LIVSIS	S7LIVSIS:W7 Number of living sisters	Cont
8	S8LIVSIS	S8LIVSIS:W8 Number of living sisters	Cont
9	S9LIVSIS	S9LIVSIS:W9 Number of living sisters	Cont
10	S10LIVSIS	S10LIVSIS:W10 Number of living sisters	Cont
11	S11LIVSIS	S11LIVSIS:W11 Number of living sisters	Cont
12	S12LIVSIS	S12LIVSIS:W12 Number of living sisters	Cont
13	S13LIVSIS	S13LIVSIS:W13 Number of living sisters	Cont
1	R1LIVSIB	R1LIVSIB:W1 Number of living siblings	Cont
2	R2LIVSIB	R2LIVSIB:W2 Number of living siblings	Cont
3	R3LIVSIB	R3LIVSIB:W3 Number of living siblings	Cont
4	R4LIVSIB	R4LIVSIB:W4 Number of living siblings	Cont
5	R5LIVSIB	R5LIVSIB:W5 Number of living siblings	Cont
6	R6LIVSIB	R6LIVSIB:W6 Number of living siblings	Cont
7	R7LIVSIB	R7LIVSIB:W7 Number of living siblings	Cont
8	R8LIVSIB	R8LIVSIB:W8 Number of living siblings	Cont
9	R9LIVSIB	R9LIVSIB:W9 Number of living siblings	Cont
10	R10LIVSIB	R10LIVSIB:W10 Number of living siblings	Cont

11	R11LIVSIB	R11LIVSIB:W11 Number of living siblings	Cont
12	R12LIVSIB	R12LIVSIB:W12 Number of living siblings	Cont
13	R13LIVSIB	R13LIVSIB:W13 Number of living siblings	Cont
1	S1LIVSIB	S1LIVSIB:W1 Number of living siblings	Cont
2	S2LIVSIB	S2LIVSIB:W2 Number of living siblings	Cont
3	S3LIVSIB	S3LIVSIB:W3 Number of living siblings	Cont
4	S4LIVSIB	S4LIVSIB:W4 Number of living siblings	Cont
5	S5LIVSIB	S5LIVSIB:W5 Number of living siblings	Cont
6	S6LIVSIB	S6LIVSIB:W6 Number of living siblings	Cont
7	S7LIVSIB	S7LIVSIB:W7 Number of living siblings	Cont
8	S8LIVSIB	S8LIVSIB:W8 Number of living siblings	Cont
9	S9LIVSIB	S9LIVSIB:W9 Number of living siblings	Cont
10	S10LIVSIB	S10LIVSIB:W10 Number of living siblings	Cont
11	S11LIVSIB	S11LIVSIB:W11 Number of living siblings	Cont
12	S12LIVSIB	S12LIVSIB:W12 Number of living siblings	Cont
13	S13LIVSIB	S13LIVSIB:W13 Number of living siblings	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIVBRO	11941	1.45	1.49	0.0	13.0
R2LIVBRO	19247	1.21	1.39	0.0	12.0
R3LIVBRO	17949	1.19	1.38	0.0	13.0
R4LIVBRO	21202	1.19	1.39	0.0	14.0
R5LIVBRO	19520	1.20	1.39	0.0	12.0
R6LIVBRO	18136	1.19	1.39	0.0	14.0
R7LIVBRO	20108	1.25	1.41	0.0	12.0
R8LIVBRO	18464	1.22	1.41	0.0	14.0
R9LIVBRO	17211	1.23	1.41	0.0	14.0
R10LIVBRO	22008	1.45	1.53	0.0	14.0
R11LIVBRO	20539	1.47	1.54	0.0	14.0
R12LIVBRO	18686	1.50	1.55	0.0	14.0
R13LIVBRO	20881	1.56	1.55	0.0	15.0
S1LIVBRO	9361	1.43	1.48	0.0	13.0
S2LIVBRO	13006	1.27	1.39	0.0	12.0
S3LIVBRO	12238	1.26	1.40	0.0	11.0
S4LIVBRO	14243	1.23	1.40	0.0	13.0
S5LIVBRO	12968	1.27	1.40	0.0	12.0
S6LIVBRO	11787	1.26	1.41	0.0	14.0
S7LIVBRO	13238	1.30	1.42	0.0	12.0
S8LIVBRO	11940	1.28	1.42	0.0	14.0
S9LIVBRO	10887	1.28	1.42	0.0	12.0
S10LIVBRO	13971	1.44	1.51	0.0	14.0
S11LIVBRO	12841	1.47	1.53	0.0	14.0
S12LIVBRO	11361	1.49	1.54	0.0	14.0
S13LIVBRO	12385	1.51	1.54	0.0	11.0
R1LIVSIS	11941	1.58	1.60	0.0	11.0
R2LIVSIS	19234	1.42	1.51	0.0	11.0
R3LIVSIS	17946	1.39	1.49	0.0	11.0
R4LIVSIS	21152	1.38	1.49	0.0	14.0
R5LIVSIS	19522	1.39	1.48	0.0	14.0
R6LIVSIS	18131	1.38	1.50	0.0	14.0
R7LIVSIS	20109	1.42	1.52	0.0	12.0
R8LIVSIS	18465	1.40	1.51	0.0	15.0
R9LIVSIS	17213	1.41	1.52	0.0	15.0
R10LIVSIS	22006	1.61	1.63	0.0	15.0

R11LIVSIS	20540	1.63	1.64	0.0	15.0
R12LIVSIS	18688	1.66	1.66	0.0	15.0
R13LIVSIS	20876	1.72	1.67	0.0	15.0
S1LIVSIS	9361	1.56	1.59	0.0	11.0
S2LIVSIS	13013	1.46	1.51	0.0	11.0
S3LIVSIS	12226	1.43	1.51	0.0	11.0
S4LIVSIS	14177	1.39	1.51	0.0	14.0
S5LIVSIS	12971	1.42	1.50	0.0	11.0
S6LIVSIS	11794	1.42	1.52	0.0	14.0
S7LIVSIS	13239	1.43	1.52	0.0	12.0
S8LIVSIS	11948	1.43	1.51	0.0	14.0
S9LIVSIS	10886	1.42	1.53	0.0	15.0
S10LIVSIS	13967	1.58	1.61	0.0	15.0
S11LIVSIS	12840	1.60	1.62	0.0	15.0
S12LIVSIS	11356	1.62	1.63	0.0	15.0
S13LIVSIS	12372	1.62	1.63	0.0	15.0
R1LIVSIB	11941	3.02	2.51	0.0	19.0
R2LIVSIB	19193	2.63	2.37	0.0	17.0
R3LIVSIB	17935	2.58	2.35	0.0	17.0
R4LIVSIB	21111	2.58	2.36	0.0	23.0
R5LIVSIB	19503	2.59	2.35	0.0	20.0
R6LIVSIB	18115	2.57	2.37	0.0	21.0
R7LIVSIB	20103	2.67	2.40	0.0	18.0
R8LIVSIB	18463	2.62	2.39	0.0	20.0
R9LIVSIB	17210	2.64	2.40	0.0	20.0
R10LIVSIB	22003	3.05	2.59	0.0	21.0
R11LIVSIB	20536	3.10	2.60	0.0	21.0
R12LIVSIB	18675	3.16	2.63	0.0	21.0
R13LIVSIB	20873	3.28	2.63	0.0	21.0
S1LIVSIB	9363	2.99	2.49	0.0	19.0
S2LIVSIB	12938	2.73	2.37	0.0	17.0
S3LIVSIB	12220	2.69	2.37	0.0	17.0
S4LIVSIB	14119	2.64	2.37	0.0	18.0
S5LIVSIB	12954	2.69	2.35	0.0	20.0
S6LIVSIB	11780	2.68	2.38	0.0	21.0
S7LIVSIB	13224	2.73	2.39	0.0	18.0
S8LIVSIB	11929	2.71	2.37	0.0	19.0
S9LIVSIB	10871	2.70	2.40	0.0	20.0
S10LIVSIB	13951	3.02	2.57	0.0	20.0
S11LIVSIB	12814	3.08	2.59	0.0	20.0
S12LIVSIB	11328	3.11	2.61	0.0	20.0
S13LIVSIB	12357	3.14	2.60	0.0	20.0

How Constructed

RwLIVBRO and RwLIVSIS count the number of the Respondent's living brothers and sisters, respectively. RwLIVSIB is the number of the Respondent's living siblings, or the sum of RwLIVBRO and RwLIVSIS. SwLIVBRO, SwLIVSIS, and SwLIVSIB are the number of the spouse's brothers, sisters, and siblings, respectively.

In Waves 1, 2H, and from 3H forward, the number of living sisters and brothers are counted by checking status and relationship codes at each wave. In Waves 2A and 3A, these counts are taken from direct questions.

In Wave 1, a question about total number of siblings is used to fill RwLIVSIB and SwLIVSIB directly. If these are missing, the counts are used when available.

In Waves 1, 2H, 3H, 4 and 5, these data are provided by the Family Respondent. The relationship codes or variables are appropriately swapped before counting if the Respondent is not the Family Respondent. From Wave 6 forward, information on individual siblings is collected from individual Respondents.

In Waves 2A and 3A, individual Respondents are asked how many living sisters and brothers they have. In Wave 3A, Respondents are also asked how many of these sisters or brothers are step-siblings. These step-siblings are subtracted from the total number of living siblings to be compatible with other waves where step-siblings are specifically omitted.

If both parents are deceased, sibling data are not always collected unless parents were alive in a prior wave. In Wave 3H and from Wave 4 forward, if both parents are deceased, a question asks for the number of living brothers and sisters. In some cases, both a count from the sibling roster and the direct answer to this question are available and are not always the same. These derived variables use the answer to the direct question if it is available, and the number counted from the roster if it is not. Before Wave 6, the direct question is asked of the Family Respondent. From Wave 6 forward, the direct question is asked of individuals; for these waves the spouse's responses are used to provide the direct question information for siblings-in-law.

Because so many values are missing when only one wave is used, the counts are carried forward and back to help fill missing values in other waves. This filling is done for sisters and brothers separately. Counts of zero are carried forward to fill missing values in later waves, where questions may have been skipped based on no report of living siblings at a previous wave. Any non-missing count (including zero) is carried backward to fill missing values at prior waves. This may undercount living siblings, as there may have been more living at a prior wave, but it should at least give an approximation. When carrying back sibling counts for in-laws, checks are done to ensure that the spouse is the same spouse as in the source year.

The total number of siblings in RwLIVSIB and SwLIVSIB generally is calculated from the sister and brother counts after this filling is done. If either RwLIVSIS or RwLIVBRO is missing then RwLIVSIB is missing. If data on both sister and brother counts are missing, RwLIVSIB is derived from overall sibling counts when available.

Cross Wave Differences in Original HRS Data

Information about siblings is reported in the Family Section for each wave before Wave 6. In couple households, the designated Family Respondent answers most questions about siblings, including in-laws. In Waves 2A, 3A, and from Wave 6 forward, each individual in a couple household is asked about siblings.

In Waves 1 and 2H, the raw HRS data provide sibling data in a separate section for each with separate observations for each sibling, including in-laws. Preprocessing of Wave 1 and 2H data collapses the sibling-level observations to each Respondent. When necessary, the process takes into account whether the Respondent is the Family Respondent. In Wave 2H, a status code for each sibling is provided that indicates if the sibling has died or should not have been on the list.

In Waves 2A and 3A, the AHEAD data provide information about siblings among Respondent-level data. In Wave 2A, the questions about numbers of living sisters and brothers does not include text specifically omitting step-siblings or relationship codes that distinguish between full-/half- and step-siblings. In Wave 3A, follow-up questions ask if any of the living brothers and sisters are step-siblings.

In Waves 3H, 4, and 5, the sibling data needed to derive these variables can be found in the household-level HRS Family Section and the PR_SB section, which has one observation for each sibling-household combination. In these waves, a direct question about living siblings is asked of the Family Respondent.

From Wave 6 forward, sibling information is asked of all individuals. The PR_SB data has one observation for each Respondent-sibling combination. A direct question asks about living siblings in these waves, which is also asked of all individuals. In Wave 7, the PR_SB data did not include the Respondent ID, so these siblings are matched to Respondents by sub-household ID (JHHID) and Family Respondent status (JFAMR).

In the PR_SB data, relationship codes indicate if the sibling is a sister or brother, and in waves before Wave 10, own sibling or in-law.

In Wave 13, many Respondents do not have specific sister and brother counts available. For these cases R13LIVSIB is derived from overall sibling data.

There have been a number of data alerts for the sibling data. Those posted on the HRS website as of this writing have been applied to these data.

HRS Variables Used

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HRS 1992:
  V1701      E68:R LIVNG SIBLINGS:IMP
  V1702      E69-E80:#BROS OR SIS:IMP
  V2201      E111:H/P LIVING SIB :IMP
  V2202      E112-E115:#HUSB/PRTN:IMP
  V8101      SIBS:SIB OF R OR H/P?
  V8104      SIBS:SEX              :IMP
AHEAD 1993:
  B559       D58. # SISTERS LIVING
  B562       D59. # BROTHERS LIVING
  BPHHIDPN   AHD W1: Spouse HHIDPN
HRS 1994:
  SIBCODE    Sibling or sibling-in-law flag
  W8101      E76/176. Relationship to R/Sp
  W8103      Sibling problem code
AHEAD 1995:
  D1601      D81.# SISTERS
  D1604      D81C.STEPSISTER
  D1605      D81D.STEPSISTERS
  D1607      D82.# BROTHERS
  D1610      D82D.STEPBROTHER
  D1611      D82D.STEPBROTHERS
  DPHHIDPN   AHD95 Spouse HHIDPN
HRS 1996:
  E159       SIB REL TO R
  E159A      SIB OR SIB-IN-LAW
  E93        UPDATED SIB STATUS
  EHHID      EHHID: HRS 96 Household ID (char7)
  EPHHIDPN   HRS W3: Spouse HHIDPN
  ER1627_1   D81.# SISTERS/Self
  ER1627_2   D81.# SISTERS-IN-LAW/Self
  ER1631_1   D82.# BROTHERS/Self
  ER1631_2   D82.# BROTHERS-IN-LAW/Self
HRS 1998:
  F137       SIB STATUS
  F141       SIB REL TO FAMILY R - UPDATED
  F1972      D130A.# SISTERS
  F1975      D130D.# BROTHERS
  F2134      D130A-2.# SISTERS-IN-LAW
  F2137      D130D-2.# BROTHERS-IN-LAW
  F597       SAME SPOUSE AS LAST WAVE
  FHHID      FHHID: HRS 98 Household ID (char7)
  FPN_FAM    1998 FAMILY RESP PERSON NUMBER
  FPN_NFAM   1998 NON-FAMILY RESP PERSON NUMBER
HRS 2000:
  G137       SIB STATUS - UPDATED

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G141	SIB REL TO FAMILY R - UPDATED
G2198	D130A.# SISTERS
G2201	D130D.# BROTHERS
G2385	D130A-2.# SISTERS-IN-LAW
G2388	D130D-2.# BROTHERS-IN-LAW
G658	CS15Y63.SAME SPOUSE AS LAST WAVE
GHHID	GHHID: HRS 00 Household ID (char7)
GPN_FAM	2000 FAMILY RESP PERSON NUMBER
GPN_NFAM	2000 NON-FAMILY RESP PERSON NUMBER
HRS 2002-2008:	
xX056_SB	RESIDENCY STATUS - SIBLING-UPDATED
xX061_SB	RELATIONSHIP TO R - SIBLING-UPDATED
xX063_SB	RELATIONSHIP SIB TO SP - UPDATED
HRS 2002-2016:	
xF073	NUMBER LIVING SISTERS
xF076	NUMBER LIVING BROTHERS
HRS 2010-2016:	
xZ249	RESIDENCY STATUS - SIBLING
xZ251	RELATIONSHIP TO R
Tracker:	
xFAMR	1992-2016 WHETHER FAMILY RESPONDENT

Number of children ever born

Wave	Variable	Label	Type
1	RAEVBRN	RAEVBRN: Number of Children Ever Born	Cont
1	S1EVBRN	S1EVBRN: Number of Children Ever Born	Cont
2	S2EVBRN	S2EVBRN: Number of Children Ever Born	Cont
3	S3EVBRN	S3EVBRN: Number of Children Ever Born	Cont
4	S4EVBRN	S4EVBRN: Number of Children Ever Born	Cont
5	S5EVBRN	S5EVBRN: Number of Children Ever Born	Cont
6	S6EVBRN	S6EVBRN: Number of Children Ever Born	Cont
7	S7EVBRN	S7EVBRN: Number of Children Ever Born	Cont
8	S8EVBRN	S8EVBRN: Number of Children Ever Born	Cont
9	S9EVBRN	S9EVBRN: Number of Children Ever Born	Cont
10	S10EVBRN	S10EVBRN: Number of Children Ever Born	Cont
11	S11EVBRN	S11EVBRN: Number of Children Ever Born	Cont
12	S12EVBRN	S12EVBRN: Number of Children Ever Born	Cont
13	S13EVBRN	S13EVBRN: Number of Children Ever Born	Cont
1	RAEVBRNF	RAEVBRNF: Flag when R responds in 1993 and 1995	Categ
1	S1EVBRNF	S1EVBRNF: Flag when S responds in 1993 and 1995	Categ
2	S2EVBRNF	S2EVBRNF: Flag when S responds in 1993 and 1995	Categ
3	S3EVBRNF	S3EVBRNF: Flag when S responds in 1993 and 1995	Categ
4	S4EVBRNF	S4EVBRNF: Flag when S responds in 1993 and 1995	Categ
5	S5EVBRNF	S5EVBRNF: Flag when S responds in 1993 and 1995	Categ
6	S6EVBRNF	S6EVBRNF: Flag when S responds in 1993 and 1995	Categ
7	S7EVBRNF	S7EVBRNF: Flag when S responds in 1993 and 1995	Categ
8	S8EVBRNF	S8EVBRNF: Flag when S responds in 1993 and 1995	Categ
9	S9EVBRNF	S9EVBRNF: Flag when S responds in 1993 and 1995	Categ
10	S10EVBRNF	S10EVBRNF: Flag when S responds in 1993 and 1995	Categ
11	S11EVBRNF	S11EVBRNF: Flag when S responds in 1993 and 1995	Categ
12	S12EVBRNF	S12EVBRNF: Flag when S responds in 1993 and 1995	Categ
13	S13EVBRNF	S13EVBRNF: Flag when S responds in 1993 and 1995	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
RAEVBRN	40567	2.64	1.96	0.0	11.0
S1EVBRN	9135	3.02	1.92	0.0	11.0
S2EVBRN	12937	2.92	1.95	0.0	11.0
S3EVBRN	12122	2.91	1.93	0.0	11.0
S4EVBRN	14245	2.88	1.90	0.0	11.0
S5EVBRN	12861	2.89	1.88	0.0	11.0
S6EVBRN	11699	2.90	1.87	0.0	11.0
S7EVBRN	13166	2.79	1.81	0.0	11.0
S8EVBRN	11908	2.76	1.78	0.0	11.0
S9EVBRN	10878	2.74	1.77	0.0	11.0
S10EVBRN	13905	2.64	1.73	0.0	11.0
S11EVBRN	12824	2.63	1.73	0.0	11.0
S12EVBRN	11360	2.60	1.71	0.0	11.0
S13EVBRN	12101	2.52	1.69	0.0	11.0
RAEVBRNF	19252	0.40	0.59	0.0	3.0
S1EVBRNF	8733	0.01	0.14	0.0	3.0
S2EVBRNF	12640	0.33	0.55	0.0	3.0
S3EVBRNF	11932	0.33	0.55	0.0	3.0

S4EVRNF	10368	0.28	0.52	0.0	3.0
S5EVRNF	9135	0.25	0.49	0.0	3.0
S6EVRNF	8069	0.20	0.46	0.0	3.0
S7EVRNF	7242	0.17	0.41	0.0	3.0
S8EVRNF	6370	0.13	0.37	0.0	3.0
S9EVRNF	5661	0.11	0.34	0.0	3.0
S10EVRNF	4838	0.07	0.29	0.0	3.0
S11EVRNF	4236	0.05	0.25	0.0	3.0
S12EVRNF	3477	0.04	0.20	0.0	3.0
S13EVRNF	2748	0.02	0.16	0.0	3.0

Categorical Variable Codes

RAEVRNF: Flag when R responds in 1993 and 1995

Value	
.M=Missing	1485
.S=No children reported in	21315
0.One Response	12304
1.Children reported in 1993	6373
2.More children reported in	336
3.More children reported in	239

SwEVRNF: ag when S responds in 1993 and 1995

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Missing		1000	489	6	88	79	77	45	33	13	17
.S=No children reported in		402	297	190	3877	3726	3630	5924	5538	5217	9067
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		144	248	206	183	101	83	141	111	120	313
0.One Response		8640	8830	8391	7680	7079	6555	6118	5580	5113	4522
1.Children reported in 1993		77	3534	3287	2512	1927	1422	1061	747	514	296
2.More children reported in		10	156	141	99	70	47	36	25	18	8
3.More children reported in		6	120	113	77	59	45	27	18	16	12

Value		w11	w12	w13
.M=Missing		19	17	17
.S=No children reported in		8588	7883	9353
.U=Unmarried		7474	7125	8024
.V=Spouse NR		237	245	770
0.One Response		4038	3363	2703
1.Children reported in 1993		186	109	42
2.More children reported in		5	1	
3.More children reported in		7	4	3

Format Reference Tables – complete variable value labels

Variables: EVBRNF

.M=Missing
 .S=No children reported in 1993 or 1995
 .U=Unmarried
 .V=Spouse NR
 0.One Response
 1.Children reported in 1993=1995
 2.More children reported in 1993
 3.More children reported in 1995

How Constructed

RAEVBRN provides the number of children ever born to the Respondent. Number of children ever born is usually only asked once and does not include step-children, adoptions or miscarriages. For confidentiality protection, HRS began to limit the value of this measure to a maximum so now RAEVBRN=11 indicates that 11 or more children were born to the Respondent. For a count of living children including biological, adoptive and step-children, see HwCHILD and related variables.

Some Respondents were asked this question in both AHEAD 1993 and AHEAD 1995. For these cases we use the response in AHEAD 1995 because the question wording is the same as subsequent waves. RAEVBRNF is a flag that identifies the Respondents that were asked this question in both AHEAD 1993 and AHEAD 1995. If RAEVBRNF = 0 then the Respondent answered in either 1993 or 1995, but not both. If RAEVBRNF = 1 then the number of children the Respondent reports in AHEAD 1993 matches the number of children s/he reports in AHEAD 1995. If RAEVBRNF = 2 then the Respondent reported having more children in AHEAD 1993. If RAEVBRNF = 3 then the Respondent reported having more children in AHEAD 1995. And finally, if RAEVBRNF = .S then the Respondent was not in either the AHEAD 1993 or AHEAD 1995 waves.

The spouse variables SwEVBRN and SwEVBRNF are taken from the Wave "w" spouse's RAEVBRN and RAEVBRNF variables.

Cross Wave Differences in Original HRS Data

This question is not asked in Wave 1 or 2H. In Wave 2A, the question asks "How many children have you ever had? Please don't count adopted or step-children for this question."

From Wave 3A and 3H on, the question asks "How many children have (you fathered/you given birth to)? Please don't count miscarriages or still-births, or adopted or step-children for this question."

For those that are asked this question in both Wave 2A and Wave 3A, we use the answer given in Wave 3A because the question wording is the same as subsequent waves.

HRS Variables Used

AHEAD 1993:	
B145	A9. # CHILDREN EVER HAD
AHEAD 1995:	
D668	A9.# CHILDREN EVER
HRS 1996:	
E668	A9.# CHILDREN EVER
HRS 1998:	
F1006	A9.# CHILDREN EVER
HRS 2000:	
G1093	A9.# CHILDREN EVER
HRS 2002-2016:	
xB033	NUMBER CHILDREN EVER

Section I: Retirement Plans, Expectations

Whether retired: Consider self retired

Wave	Variable	Label	Type
1	R1SAYRET	R1SAYRET:W1 R considers self retired	Categ
2	R2SAYRET	R2SAYRET:W2 R considers self retired	Categ
3	R3SAYRET	R3SAYRET:W3 R considers self retired	Categ
4	R4SAYRET	R4SAYRET:W4 R considers self retired	Categ
5	R5SAYRET	R5SAYRET:W5 R considers self retired	Categ
6	R6SAYRET	R6SAYRET:W6 R considers self retired	Categ
7	R7SAYRET	R7SAYRET:W7 R considers self retired	Categ
8	R8SAYRET	R8SAYRET:W8 R considers self retired	Categ
9	R9SAYRET	R9SAYRET:W9 R considers self retired	Categ
10	R10SAYRET	R10SAYRET:W10 R considers self retired	Categ
11	R11SAYRET	R11SAYRET:W11 R considers self retired	Categ
12	R12SAYRET	R12SAYRET:W12 R considers self retired	Categ
13	R13SAYRET	R13SAYRET:W13 R considers self retired	Categ
1	S1SAYRET	S1SAYRET:W1 S considers self retired	Categ
2	S2SAYRET	S2SAYRET:W2 S considers self retired	Categ
3	S3SAYRET	S3SAYRET:W3 S considers self retired	Categ
4	S4SAYRET	S4SAYRET:W4 S considers self retired	Categ
5	S5SAYRET	S5SAYRET:W5 S considers self retired	Categ
6	S6SAYRET	S6SAYRET:W6 S considers self retired	Categ
7	S7SAYRET	S7SAYRET:W7 S considers self retired	Categ
8	S8SAYRET	S8SAYRET:W8 S considers self retired	Categ
9	S9SAYRET	S9SAYRET:W9 S considers self retired	Categ
10	S10SAYRET	S10SAYRET:W10 S considers self retired	Categ
11	S11SAYRET	S11SAYRET:W11 S considers self retired	Categ
12	S12SAYRET	S12SAYRET:W12 S considers self retired	Categ
13	S13SAYRET	S13SAYRET:W13 S considers self retired	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SAYRET	12019	0.60	1.00	0.0	3.0
R2SAYRET	10672	0.64	0.95	0.0	3.0
R3SAYRET	13402	0.96	1.02	0.0	3.0
R4SAYRET	20720	1.26	1.14	0.0	3.0
R5SAYRET	18557	1.24	1.09	0.0	3.0
R6SAYRET	15888	1.18	1.02	0.0	3.0
R7SAYRET	19219	1.03	0.96	0.0	3.0
R8SAYRET	17916	1.07	0.94	0.0	3.0
R9SAYRET	16742	1.07	0.91	0.0	3.0
R10SAYRET	21216	0.83	0.82	0.0	3.0
R11SAYRET	20042	0.84	0.79	0.0	3.0
R12SAYRET	18270	0.85	0.73	0.0	3.0
R13SAYRET	20129	0.76	0.75	0.0	3.0
S1SAYRET	9297	0.60	1.00	0.0	3.0
S2SAYRET	8069	0.62	0.93	0.0	3.0
S3SAYRET	9764	0.95	1.01	0.0	3.0
S4SAYRET	13386	1.18	1.13	0.0	3.0
S5SAYRET	12123	1.17	1.08	0.0	3.0
S6SAYRET	10196	1.13	1.02	0.0	3.0
S7SAYRET	12184	0.97	0.95	0.0	3.0
S8SAYRET	11251	1.00	0.93	0.0	3.0
S9SAYRET	10263	1.02	0.91	0.0	3.0
S10SAYRET	12895	0.78	0.83	0.0	3.0
S11SAYRET	12095	0.79	0.80	0.0	3.0

S12SAYRET	10652	0.80	0.76	0.0	3.0
S13SAYRET	11305	0.71	0.76	0.0	3.0

Categorical Variable Codes

RwSAYRET: R considers self retired											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=may be completely retire	|			3213							
.D=DK	|		6	5	8	14	17	22	25	13	42
.M=Oth missing	|		15	53	38	152	219	13	10	12	216
.Q=Not asked this wv	|		8222								
.R=RF	|		2	3	8	6	5	11	2	4	25
.S=Skip, proxy IW	|	633	725	1315	610	849	2036	864	516	446	535
0.Not retired	|	8142	6593	5509	6527	5362	4344	6138	5103	4444	8220
1.Completely retired	|	1804	2215	4599	7292	7375	7049	8654	8712	8501	9478
2.Partly retired	|	813	1024	1597	1887	1797	1708	2052	1905	1897	2476
3.Question irrelevant	|	1260	840	1697	5014	4023	2787	2375	2196	1900	1042
Value		w11	w12	w13							
.A=may be completely retire	|										
.D=DK	|	75	67	48							
.M=Oth missing	|	36	37	423							
.Q=Not asked this wv	|										
.R=RF	|	11	15	19							
.S=Skip, proxy IW	|	390	358	293							
0.Not retired	|	7242	6067	8102							
1.Completely retired	|	9554	9409	9345							
2.Partly retired	|	2435	2321	2149							
3.Question irrelevant	|	811	473	533							
SwSAYRET: S considers self retired											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=may be completely retire	|			1307							
.D=DK	|		3	3	5	11	8	14	10	5	22
.M=Oth missing	|		2	14	4	25	73	2	2	3	128
.Q=Not asked this wv	|		4549								
.R=RF	|		1		1	2	3	7	1		12
.S=Skip, proxy IW	|	603	666	829	584	569	1359	765	471	375	456
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
0.Not retired	|	6254	5010	4090	4744	3913	3135	4378	3695	3153	5536
1.Completely retired	|	1427	1690	3285	4411	4608	4248	5083	5083	4803	5215
2.Partly retired	|	671	790	1196	1366	1284	1209	1435	1286	1290	1569
3.Question irrelevant	|	945	579	1193	2865	2318	1604	1288	1187	1017	575
Value		w11	w12	w13							
.A=may be completely retire	|										
.D=DK	|	46	33	22							
.M=Oth missing	|	7	12	176							
.Q=Not asked this wv	|										
.R=RF	|	1	9	9							
.S=Skip, proxy IW	|	339	306	267							
.U=Unmarried	|	7474	7125	8024							

.V=Spouse NR	|	592	610	1109
0.Not retired	|	4950	4086	5054
1.Completely retired	|	5203	4909	4718
2.Partly retired	|	1486	1396	1258
3.Question irrelevant	|	456	261	275

How Constructed

There are at least 2 places in every wave where Respondent could report being retired. See also "Whether retired, Retired employment status" (RwRETEMP).

RwSAYRET is derived from the question: At this time do you consider yourself to be completely retired, partly retired, or not retired at all? RwSAYRET recodes this variable to 0 for not retired, 1 for completely retired, 2 for partly retired, 3 for irrelevant, and for missing values. For proxy interviews, it is set to .S to indicate that the question was skipped.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwSAYRET.

In Wave 2A, there are no questions that ask the Respondent whether s/he considers herself/himself retired. If the Wave 2A interview is by proxy, R2SAYRET is set to .S; otherwise it is set to .Q to indicate that no information was collected for AHEAD Respondents in this wave.

See also Labor Force Status (RwLBRF, RwLBRFH, and RwLBRFY) under Employment.

Cross Wave Differences in Original HRS Data

The question in all waves is "At this time do you consider yourself completely retired, partly retired, or not retired at all?" In Wave 1, this question is asked in the Section K: Retirement expectations. From Wave 2H forward it is asked in the Employment section, just after questions on retirement plans ("Do you plan to stop working or reduce work hours at a particular date or age, have you not given it much thought, or what?") if Respondent is working, and after questions about the search for work if Respondent is unemployed.

One of the coded answers for this question is "Irrelevant". In Wave 1, and in Wave 2H for the self-employed and unemployed, "irrelevant" is defined as "doesn't work for pay or is homemaker; hasn't worked for 10 or more years." In Wave 2H for those employed but not self-employed, and in Waves 3H and 4, it is defined as "doesn't work for pay or is homemaker; hasn't worked for 1 or more years." From Wave 5 on it is defined just as "doesn't work for pay or is homemaker." These differences may influence the number of Respondents for whom "irrelevant" was coded.

In Wave 2A, this question is not asked at all. In Wave 3A the question is asked in the Employment section, and many cases skip the entire section because they do not work now and have not for the past 2 years. These cases are coded as .A (may be completely retired). There is no definition for the irrelevant code.

HRS Variables Used

HRS 1992:	
V4901	K1:RETRD:PART,ALL,OR:IMP
HRS 1994:	
W3983	FA123.CONSIDER SELF RETI
W4638	FB83.RETIREMENT
W5022	FC41.RETIREMENT
AHEAD 1995:	
D3130	GA123.RETIREMENT
D3489	GB83.RETIREMENT
D3711	GC41.RETIREMENT

HRS 1996:	
E3039	G134.CONSIDER SELF RETIRED
HRS 1998:	
F3570	G134.CONSIDER SELF RETIRED
HRS 2000:	
G3859	G134.CONSIDER SELF RETIRED
G514	CS1A.PROXY/SELF INTERVIEW
HRS 2016:	
PJ3578	CONSIDER SELF RETIRED
HRS 2002-2014:	
xJ578	CONSIDER SELF RETIRED
HRS 2002-2016:	
xA009	PROXY/SELF INTERVIEW

Whether retired: Retirement Month and Year, If Says Retired

Wave	Variable	Label	Type
1	R1RETMON	R1RETMON:W1 Month Retired if say retired	Cont
2	R2RETMON	R2RETMON:W2 Month Retired if say retired	Cont
3	R3RETMON	R3RETMON:W3 Month Retired if say retired	Cont
4	R4RETMON	R4RETMON:W4 Month Retired if say retired	Cont
5	R5RETMON	R5RETMON:W5 Month Retired if say retired	Cont
6	R6RETMON	R6RETMON:W6 Month Retired if say retired	Cont
7	R7RETMON	R7RETMON:W7 Month Retired if say retired	Cont
8	R8RETMON	R8RETMON:W8 Month Retired if say retired	Cont
9	R9RETMON	R9RETMON:W9 Month Retired if say retired	Cont
10	R10RETMON	R10RETMON:W10 Month Retired if say retired	Cont
11	R11RETMON	R11RETMON:W11 Month Retired if say retired	Cont
12	R12RETMON	R12RETMON:W12 Month Retired if say retired	Cont
13	R13RETMON	R13RETMON:W13 Month Retired if say retired	Cont
1	S1RETMON	S1RETMON:W1 Month Retired if say retired	Cont
2	S2RETMON	S2RETMON:W2 Month Retired if say retired	Cont
3	S3RETMON	S3RETMON:W3 Month Retired if say retired	Cont
4	S4RETMON	S4RETMON:W4 Month Retired if say retired	Cont
5	S5RETMON	S5RETMON:W5 Month Retired if say retired	Cont
6	S6RETMON	S6RETMON:W6 Month Retired if say retired	Cont
7	S7RETMON	S7RETMON:W7 Month Retired if say retired	Cont
8	S8RETMON	S8RETMON:W8 Month Retired if say retired	Cont
9	S9RETMON	S9RETMON:W9 Month Retired if say retired	Cont
10	S10RETMON	S10RETMON:W10 Month Retired if say retired	Cont
11	S11RETMON	S11RETMON:W11 Month Retired if say retired	Cont
12	S12RETMON	S12RETMON:W12 Month Retired if say retired	Cont
13	S13RETMON	S13RETMON:W13 Month Retired if say retired	Cont
1	R1RETYR	R1RETYR:W1 Year Retired if say retired	Cont
2	R2RETYR	R2RETYR:W2 Year Retired if say retired	Cont
3	R3RETYR	R3RETYR:W3 Year Retired if say retired	Cont
4	R4RETYR	R4RETYR:W4 Year Retired if say retired	Cont
5	R5RETYR	R5RETYR:W5 Year Retired if say retired	Cont
6	R6RETYR	R6RETYR:W6 Year Retired if say retired	Cont
7	R7RETYR	R7RETYR:W7 Year Retired if say retired	Cont
8	R8RETYR	R8RETYR:W8 Year Retired if say retired	Cont
9	R9RETYR	R9RETYR:W9 Year Retired if say retired	Cont
10	R10RETYR	R10RETYR:W10 Year Retired if say retired	Cont
11	R11RETYR	R11RETYR:W11 Year Retired if say retired	Cont
12	R12RETYR	R12RETYR:W12 Year Retired if say retired	Cont
13	R13RETYR	R13RETYR:W13 Year Retired if say retired	Cont
1	S1RETYR	S1RETYR:W1 Year Retired if say retired	Cont
2	S2RETYR	S2RETYR:W2 Year Retired if say retired	Cont
3	S3RETYR	S3RETYR:W3 Year Retired if say retired	Cont
4	S4RETYR	S4RETYR:W4 Year Retired if say retired	Cont
5	S5RETYR	S5RETYR:W5 Year Retired if say retired	Cont
6	S6RETYR	S6RETYR:W6 Year Retired if say retired	Cont
7	S7RETYR	S7RETYR:W7 Year Retired if say retired	Cont
8	S8RETYR	S8RETYR:W8 Year Retired if say retired	Cont
9	S9RETYR	S9RETYR:W9 Year Retired if say retired	Cont
10	S10RETYR	S10RETYR:W10 Year Retired if say retired	Cont
11	S11RETYR	S11RETYR:W11 Year Retired if say retired	Cont
12	S12RETYR	S12RETYR:W12 Year Retired if say retired	Cont
13	S13RETYR	S13RETYR:W13 Year Retired if say retired	Cont
1	R1RETDTWV	R1RETDTWV:W1 Wave retirement date reported	Cont
2	R2RETDTWV	R2RETDTWV:W2 Wave retirement date reported	Cont
3	R3RETDTWV	R3RETDTWV:W3 Wave retirement date reported	Cont
4	R4RETDTWV	R4RETDTWV:W4 Wave retirement date reported	Cont
5	R5RETDTWV	R5RETDTWV:W5 Wave retirement date reported	Cont
6	R6RETDTWV	R6RETDTWV:W6 Wave retirement date reported	Cont
7	R7RETDTWV	R7RETDTWV:W7 Wave retirement date reported	Cont
8	R8RETDTWV	R8RETDTWV:W8 Wave retirement date reported	Cont
9	R9RETDTWV	R9RETDTWV:W9 Wave retirement date reported	Cont
10	R10RETDTWV	R10RETDTWV:W10 Wave retirement date reported	Cont

11	R11RETDTWV	R11RETDTWV:W11 Wave retirement date reported	Cont
12	R12RETDTWV	R12RETDTWV:W12 Wave retirement date reported	Cont
13	R13RETDTWV	R13RETDTWV:W13 Wave retirement date reported	Cont
1	S1RETDTWV	S1RETDTWV:W1 Wave retirement date reported	Cont
2	S2RETDTWV	S2RETDTWV:W2 Wave retirement date reported	Cont
3	S3RETDTWV	S3RETDTWV:W3 Wave retirement date reported	Cont
4	S4RETDTWV	S4RETDTWV:W4 Wave retirement date reported	Cont
5	S5RETDTWV	S5RETDTWV:W5 Wave retirement date reported	Cont
6	S6RETDTWV	S6RETDTWV:W6 Wave retirement date reported	Cont
7	S7RETDTWV	S7RETDTWV:W7 Wave retirement date reported	Cont
8	S8RETDTWV	S8RETDTWV:W8 Wave retirement date reported	Cont
9	S9RETDTWV	S9RETDTWV:W9 Wave retirement date reported	Cont
10	S10RETDTWV	S10RETDTWV:W10 Wave retirement date reported	Cont
11	S11RETDTWV	S11RETDTWV:W11 Wave retirement date reported	Cont
12	S12RETDTWV	S12RETDTWV:W12 Wave retirement date reported	Cont
13	S13RETDTWV	S13RETDTWV:W13 Wave retirement date reported	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETMON	2282	6.42	3.37	1.0	12.0
R2RETMON	3682	6.14	3.52	1.0	12.0
R3RETMON	4161	6.15	3.52	1.0	12.0
R4RETMON	7512	5.90	3.52	1.0	12.0
R5RETMON	7824	5.79	3.53	1.0	12.0
R6RETMON	7526	5.99	3.45	1.0	12.0
R7RETMON	9114	6.04	3.47	1.0	12.0
R8RETMON	9112	6.11	3.45	1.0	12.0
R9RETMON	9023	6.13	3.44	1.0	12.0
R10RETMON	10550	6.16	3.42	1.0	12.0
R11RETMON	10616	6.23	3.41	1.0	12.0
R12RETMON	10513	6.26	3.42	1.0	12.0
R13RETMON	10433	6.23	3.41	1.0	12.0
S1RETMON	1865	6.44	3.36	1.0	12.0
S2RETMON	2720	6.17	3.48	1.0	12.0
S3RETMON	3145	6.17	3.48	1.0	12.0
S4RETMON	4847	6.06	3.51	1.0	12.0
S5RETMON	5167	5.88	3.54	1.0	12.0
S6RETMON	4866	6.03	3.45	1.0	12.0
S7RETMON	5770	6.11	3.47	1.0	12.0
S8RETMON	5652	6.17	3.46	1.0	12.0
S9RETMON	5459	6.16	3.46	1.0	12.0
S10RETMON	6149	6.18	3.46	1.0	12.0
S11RETMON	6052	6.23	3.43	1.0	12.0
S12RETMON	5759	6.24	3.46	1.0	12.0
S13RETMON	5500	6.25	3.44	1.0	12.0
R1RETYR	2596	1986.68	5.85	1945.0	1993.0
R2RETYR	8266	1982.30	10.15	1920.0	1994.0
R3RETYR	8575	1984.25	9.81	1920.0	1996.0
R4RETYR	8918	1987.13	9.35	1932.0	1998.0
R5RETYR	8969	1988.97	9.14	1932.0	2000.0
R6RETYR	8583	1991.06	9.18	1933.0	2003.0
R7RETYR	10486	1992.00	9.70	1925.0	2004.0
R8RETYR	10411	1993.59	9.96	1929.0	2007.0
R9RETYR	10212	1994.96	10.21	1934.0	2008.0
R10RETYR	11651	1997.41	10.36	1935.0	2011.0

R11RETYR	11674	1999.05	10.45	1935.0	2013.0
R12RETYR	11403	2000.87	10.58	1935.0	2014.0
R13RETYR	11167	2003.35	10.51	1941.0	2018.0
S1RETYR	2086	1986.86	5.69	1950.0	1993.0
S2RETYR	5269	1983.67	9.39	1927.0	1994.0
S3RETYR	5498	1985.75	8.97	1927.0	1996.0
S4RETYR	5689	1988.41	8.32	1935.0	1998.0
S5RETYR	5799	1990.24	8.06	1936.0	2000.0
S6RETYR	5393	1992.26	8.16	1943.0	2003.0
S7RETYR	6425	1993.49	8.47	1943.0	2004.0
S8RETYR	6285	1994.97	8.84	1941.0	2007.0
S9RETYR	6015	1996.42	9.03	1941.0	2008.0
S10RETYR	6650	1998.77	9.25	1941.0	2011.0
S11RETYR	6563	2000.41	9.33	1948.0	2013.0
S12RETYR	6156	2002.32	9.51	1946.0	2014.0
S13RETYR	5825	2004.63	9.56	1950.0	2018.0
R1REDTWV	2596	1.00	0.02	1.0	2.0
R2REDTWV	8268	2.74	0.90	1.0	13.0
R3REDTWV	8581	2.78	0.42	1.0	3.0
R4REDTWV	8956	3.48	0.72	1.0	4.0
R5REDTWV	8984	4.02	0.98	1.0	5.0
R6REDTWV	8586	4.65	1.29	1.0	6.0
R7REDTWV	10489	5.13	1.59	1.0	7.0
R8REDTWV	10413	5.67	1.88	1.0	8.0
R9REDTWV	10213	6.21	2.20	1.0	9.0
R10REDTWV	11663	7.22	2.56	1.0	12.0
R11REDTWV	11688	7.92	2.80	1.0	12.0
R12REDTWV	11424	8.67	3.04	1.0	12.0
R13REDTWV	11192	9.65	3.25	1.0	13.0
S1REDTWV	2086	1.00	0.02	1.0	2.0
S2REDTWV	5270	2.66	0.94	1.0	13.0
S3REDTWV	5501	2.73	0.45	1.0	3.0
S4REDTWV	5702	3.40	0.75	1.0	4.0
S5REDTWV	5805	3.99	1.02	1.0	5.0
S6REDTWV	5394	4.64	1.33	1.0	6.0
S7REDTWV	6427	5.17	1.62	1.0	7.0
S8REDTWV	6286	5.76	1.90	1.0	8.0
S9REDTWV	6016	6.34	2.22	1.0	9.0
S10REDTWV	6657	7.35	2.55	1.0	12.0
S11REDTWV	6569	8.08	2.77	1.0	12.0
S12REDTWV	6163	8.93	2.97	1.0	12.0
S13REDTWV	5836	9.90	3.14	1.0	13.0

How Constructed

Retirement month and year are derived only for Respondents who say they are completely or partially retired, i.e., where RwSAYRET is 1 or 2.

The source of retirement month and year varies across waves. In Wave 1 it is taken from the questions about retirement month and year that immediately follow an answer of considering oneself completely or partially retired. In Wave 2H, the variables for these direct retirement month and year questions are asked separately for Respondents working for a firm, self-employed, or not working. These are all examined for a non-missing retirement month and year. If retirement month and year are not available from these sources, and the Respondent reported a retired employment status then the retirement month and year given in conjunction with employment

status is used.

From Wave 3H forward, a branchpoint variable indicates what the source of retirement month should be: from a previous wave, from the retired employment status month, or from the direct question. The variable derivation uses the indicated source for R_wRETMON and R_wRETYR.

Note that a few additional retirement months and years that are missing in R_wRETMON and R_wRETYR could be filled in all waves. In Wave 1, the retirement month from that given with a retired employment status could be used to fill missing values. In Wave 2H, the Wave 1 report could be carried forward, if the Respondent said s/he was retired in Wave 1. In Wave 3H, the retired employment status month could be used if the previous wave report is missing, and vice versa. One could look back to earlier waves as well.

In Wave 2A, there are no questions that ask the Respondent whether s/he considers herself/himself retired. To assign codes for retired the information from subsequent waves is used. If in a subsequent wave the Respondent reports being retired, the date of retirement is compared with interview date. If the interview date is after the date of retirement, R₂RETMON and R₂RETYR are set to the subsequent date. If R₂RETMON and R₂RETYR are not filled in this way, they are set to .Q to indicate that the information is not available.

The value of R_wRETDTWV indicates which wave the retirement date was reported.

If Respondent says "not retired" or question is not relevant then we assign .N for "not applicable." For proxy interviews, values are set to .S to indicate question was skipped.

The spouse variables are taken from the Wave "w" spouse's self-report, i.e., from the spouse's R_wRETMON and R_wRETYR.

Cross Wave Differences in Original HRS Data

In each wave there are two possible sources for retirement month, which correspond to the two places where a Respondent can report being retired. One is the retirement month and year given if the Respondent reports being retired when asked for employment status (R_wRETEMP=1). The second can be asked only if the Respondent says that s/he is completely or partially retired (R_wSAYRET=1 or 2).

In all waves, if the Respondent reports being retired when asked for employment status (R_wRETEMP=1), a question asks "In what month and year did you retire?"

In Wave 1, a question asks "In what month and year did you (partly/completely) retire?" of everyone who reported being completely or partially retired (R₁SAYRET=1 or 2). In Wave 2H, the question is asked only if the Respondent did not give a retired employment status, that is, if R₂SAYRET is 1 or 2 and R₂RETEMP is not 1. From Wave 3H forward, the group asked this question is further limited to those who did not report being completely or partially retired in a previous wave. A branchpoint variable indicates whether the source of the retirement month should be taken from the previous wave, the employment status retirement month, or the question asked in the current interview.

In Wave 2H, the series of questions on whether the Respondent considers himself/herself retired and the subsequent inquiry on retirement month are asked in three different places, depending on whether the Respondent is working for a firm, self-employed, or not working.

In Wave 2A, the questions were not asked. In Wave 3A, the question "What month did you retire?" is only asked if Respondent retired less than 2 years ago.

HRS Variables Used

HRS 1992:	
V4901	K1:RETRD:PART, ALL, OR:IMP
V4902	K1A:DATE RETIRED:MONTH
V4903	K1A:DATE RETIRED:YEAR

HRS 1994:
 W3314 FA1h.RETIRED-MONTH
 W3315 FA1h.RETIRED-YEAR
 W3983 FA123.CONSIDER SELF RETI
 W3984 FA123a.RETIRED-MONTH
 W3985 FA123a.RETIRED-YEAR
 W4638 FB83.RETIREMENT
 W4639 FB83a.MONTH OF RETIREMEN
 W4640 FB83a.YEAR OF RETIREMENT
 W5022 FC41.RETIREMENT
 W5023 FC41a.RETIRE MONTH.
 W5024 FC41a.RETIRE YEAR.
 AHEAD 1995:
 D2643 GA1J.YEAR RETIRED
 D2644 GA1J.MONTH RETIRED
 D3130 GA123.RETIREMENT
 D3131 GA123A.RETIRE-MONTH
 D3132 GA123B.RETIRE 2 YR AGO?-YEAR.
 HRS 1996:
 E2622 G1H.RETIRED-MONTH
 E2623 G1J.RETIRED-YEAR
 E3039 G134.CONSIDER SELF RETIRED
 E3040 G134A_.BRANCHPOINT
 E3041 G134A.RETIRED-MONTH
 E3042 G134A.RETIRED-YEAR
 HRS 1998:
 F3126 G1H.RETIRED-MONTH
 F3127 G1J.RETIRED-YEAR
 F3570 G134.CONSIDER SELF RETIRED
 F3571 G134A BRANCHPOINT
 F3572 G134A.RETIRED-MONTH
 F3573 G134A.RETIRED-YEAR
 HRS 2000:
 G3376 G1H.RETIRED-MONTH
 G3377 G1J.RETIRED-YEAR
 G3859 G134.CONSIDER SELF RETIRED
 G3860 G134Y1.G134A BRANCHPOINT
 G3861 G134A.RETIRED-MONTH
 G3862 G134Y1A.RETIRED-YEAR
 HRS 2016:
 PJ3578 CONSIDER SELF RETIRED
 PJ3579 BRANCHPOINT FOR J579
 PJ3580 MO-RETIRED
 PJ3581 YR-RETIRED
 HRS 2002-2014:
 xJ017 RETIRED-MO
 xJ018 RETIRED-YR
 xJ578 CONSIDER SELF RETIRED
 xJ579 J579 BRANCHPOINT
 xJ580 MO-RETIRED
 xJ581 YR-RETIRED

Planned retirement year

Wave	Variable	Label	Type
1	R1RPLNYR	R1RPLNYR:W1 When R plans to stop work	Cont
2	R2RPLNYR	R2RPLNYR:W2 When R plans to stop work	Cont
3	R3RPLNYR	R3RPLNYR:W3 When R plans to stop work	Cont
4	R4RPLNYR	R4RPLNYR:W4 When R plans to stop work	Cont
5	R5RPLNYR	R5RPLNYR:W5 When R plans to stop work	Cont
6	R6RPLNYR	R6RPLNYR:W6 When R plans to stop work	Cont
7	R7RPLNYR	R7RPLNYR:W7 When R plans to stop work	Cont
8	R8RPLNYR	R8RPLNYR:W8 When R plans to stop work	Cont
9	R9RPLNYR	R9RPLNYR:W9 When R plans to stop work	Cont
10	R10RPLNYR	R10RPLNYR:W10 When R plans to stop work	Cont
11	R11RPLNYR	R11RPLNYR:W11 When R plans to stop work	Cont
12	R12RPLNYR	R12RPLNYR:W12 When R plans to stop work	Cont
13	R13RPLNYR	R13RPLNYR:W13 When R plans to stop work	Cont
1	S1RPLNYR	S1RPLNYR:W1 When S plans to stop work	Cont
2	S2RPLNYR	S2RPLNYR:W2 When S plans to stop work	Cont
3	S3RPLNYR	S3RPLNYR:W3 When S plans to stop work	Cont
4	S4RPLNYR	S4RPLNYR:W4 When S plans to stop work	Cont
5	S5RPLNYR	S5RPLNYR:W5 When S plans to stop work	Cont
6	S6RPLNYR	S6RPLNYR:W6 When S plans to stop work	Cont
7	S7RPLNYR	S7RPLNYR:W7 When S plans to stop work	Cont
8	S8RPLNYR	S8RPLNYR:W8 When S plans to stop work	Cont
9	S9RPLNYR	S9RPLNYR:W9 When S plans to stop work	Cont
10	S10RPLNYR	S10RPLNYR:W10 When S plans to stop work	Cont
11	S11RPLNYR	S11RPLNYR:W11 When S plans to stop work	Cont
12	S12RPLNYR	S12RPLNYR:W12 When S plans to stop work	Cont
13	S13RPLNYR	S13RPLNYR:W13 When S plans to stop work	Cont
1	R1RPLNYA	R1RPLNYA:W1 When R thinks will stop work	Cont
3	R3RPLNYA	R3RPLNYA:W3 When R thinks will stop work	Cont
4	R4RPLNYA	R4RPLNYA:W4 When R thinks will stop work	Cont
5	R5RPLNYA	R5RPLNYA:W5 When R thinks will stop work	Cont
6	R6RPLNYA	R6RPLNYA:W6 When R thinks will stop work	Cont
7	R7RPLNYA	R7RPLNYA:W7 When R thinks will stop work	Cont
8	R8RPLNYA	R8RPLNYA:W8 When R thinks will stop work	Cont
9	R9RPLNYA	R9RPLNYA:W9 When R thinks will stop work	Cont
10	R10RPLNYA	R10RPLNYA:W10 When R thinks will stop work	Cont
11	R11RPLNYA	R11RPLNYA:W11 When R thinks will stop work	Cont
12	R12RPLNYA	R12RPLNYA:W12 When R thinks will stop work	Cont
13	R13RPLNYA	R13RPLNYA:W13 When R thinks will stop work	Cont
1	S1RPLNYA	S1RPLNYA:W1 When S thinks will stop work	Cont
3	S3RPLNYA	S3RPLNYA:W3 When S thinks will stop work	Cont
4	S4RPLNYA	S4RPLNYA:W4 When S thinks will stop work	Cont
5	S5RPLNYA	S5RPLNYA:W5 When S thinks will stop work	Cont
6	S6RPLNYA	S6RPLNYA:W6 When S thinks will stop work	Cont
7	S7RPLNYA	S7RPLNYA:W7 When S thinks will stop work	Cont
8	S8RPLNYA	S8RPLNYA:W8 When S thinks will stop work	Cont
9	S9RPLNYA	S9RPLNYA:W9 When S thinks will stop work	Cont
10	S10RPLNYA	S10RPLNYA:W10 When S thinks will stop work	Cont
11	S11RPLNYA	S11RPLNYA:W11 When S thinks will stop work	Cont
12	S12RPLNYA	S12RPLNYA:W12 When S thinks will stop work	Cont
13	S13RPLNYA	S13RPLNYA:W13 When S thinks will stop work	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RPLNYR	1668	1998.37	4.57	1992.0	2049.0
R2RPLNYR	1628	1999.36	4.14	1994.0	2025.0
R3RPLNYR	1485	2000.46	3.98	1995.0	2026.0

R4RPLNYR	1588	2002.68	4.23	1998.0	2030.0
R5RPLNYR	1263	2004.02	4.19	2000.0	2032.0
R6RPLNYR	971	2006.05	3.90	2002.0	2034.0
R7RPLNYR	1232	2009.51	4.86	2004.0	2040.0
R8RPLNYR	1097	2010.97	4.82	2006.0	2044.0
R9RPLNYR	977	2012.48	4.15	2008.0	2034.0
R10RPLNYR	1370	2016.38	5.28	2010.0	2047.0
R11RPLNYR	1310	2017.83	4.77	2012.0	2046.0
R12RPLNYR	1233	2019.20	4.54	2014.0	2044.0
R13RPLNYR	1490	2022.88	5.30	2016.0	2047.0
S1RPLNYR	1353	1998.45	4.73	1992.0	2049.0
S2RPLNYR	1285	1999.46	4.27	1994.0	2025.0
S3RPLNYR	1151	2000.48	4.05	1995.0	2026.0
S4RPLNYR	1186	2002.77	4.39	1998.0	2030.0
S5RPLNYR	958	2004.13	4.33	2000.0	2032.0
S6RPLNYR	731	2006.13	3.85	2002.0	2026.0
S7RPLNYR	904	2009.64	4.92	2004.0	2040.0
S8RPLNYR	813	2011.11	4.89	2006.0	2044.0
S9RPLNYR	710	2012.53	4.21	2008.0	2034.0
S10RPLNYR	952	2016.72	5.55	2010.0	2047.0
S11RPLNYR	934	2017.89	4.86	2012.0	2044.0
S12RPLNYR	849	2019.49	4.64	2014.0	2041.0
S13RPLNYR	986	2022.84	5.49	2016.0	2047.0
R1RPLNYA	6315	2000.60	5.51	1992.0	2049.0
R3RPLNYA	3089	2002.53	5.47	1995.0	2039.0
R4RPLNYA	3520	2004.91	5.83	1998.0	2041.0
R5RPLNYA	2886	2006.36	5.75	2000.0	2057.0
R6RPLNYA	2367	2008.26	5.74	2002.0	2048.0
R7RPLNYA	3229	2012.16	6.35	2004.0	2046.0
R8RPLNYA	2771	2013.51	6.17	2006.0	2047.0
R9RPLNYA	2508	2014.65	5.51	2008.0	2048.0
R10RPLNYA	4331	2019.37	6.65	2010.0	2057.0
R11RPLNYA	3989	2020.50	6.23	2012.0	2062.0
R12RPLNYA	3555	2021.73	6.10	2014.0	2070.0
R13RPLNYA	3969	2025.30	6.70	2016.0	2061.0
S1RPLNYA	4932	2000.76	5.74	1992.0	2049.0
S3RPLNYA	2346	2002.57	5.53	1995.0	2039.0
S4RPLNYA	2642	2005.09	5.97	1998.0	2041.0
S5RPLNYA	2177	2006.56	5.87	2000.0	2046.0
S6RPLNYA	1736	2008.41	5.84	2002.0	2048.0
S7RPLNYA	2374	2012.32	6.49	2004.0	2046.0
S8RPLNYA	2068	2013.79	6.35	2006.0	2047.0
S9RPLNYA	1837	2014.78	5.58	2008.0	2048.0
S10RPLNYA	3004	2019.72	6.90	2010.0	2057.0
S11RPLNYA	2770	2020.71	6.36	2012.0	2062.0
S12RPLNYA	2443	2021.95	6.11	2014.0	2070.0
S13RPLNYA	2596	2025.38	6.88	2016.0	2061.0

How Constructed

There are 2 planned retirement year variables. RWRPLNYR is derived from the variable which asks Respondent about retirement plans. If Respondent plans to stop work altogether then s/he is asked when, which is assigned to RWRPLNYR. Most cases are missing this variable.

RwRPLNYA is an alternate variable which combines RwRPLNYR with a question which asks when Respondent thinks s/he will stop work or retire. In Wave 1 this question follows a question on whether Respondent considers her/himself completely retired, and asks when Respondent thinks s/he will retire completely. From Wave 3H forward, if Respondent responds to the retirement plans question that s/he hasn't given it much thought or has no plans, s/he is asked: "When do you think you will stop working?." The year given in response to this is assigned to RwRPLNYA. If Respondent did not respond in this way but did respond that s/he plans to stop work altogether, then RwRPLNYR is assigned to RwRPLNYA. RwRPLNYA also has many missing values, but fewer than RwRPLNYR.

The alternate question used to derive RwRPLNYA is not asked in Wave 2A or 2H, so R2RPLNYA is missing.

The years for both RwRPLNYR and RwRPLNYA can be given by age or specific year. In Wave 1 only age is given for when Respondent plans to stop work altogether and only year for when Respondent thinks s/he will retire. In other waves, both age and year are in the data. If the year is given by age, then year is assigned as Respondent's birth year plus the age given.

If it is a proxy interview, these questions are not asked, and RwRPLNYR and RwRPLNYA are set to .S for "skipped because proxy."

If Respondent is not working then the questions about retirement plans are not asked, except for the "when do you think you will retire completely." If the questions are skipped because Respondent is not working, RwRPLNYR and RwRPLNYA are assigned a value of .W for "not working."

Respondent can respond "Never" to the "when" questions. If Respondent says "Never" or has no plan to stop work, RwRPLNYR is set to .N. If Respondent says "Never" or was not asked the "when do you think you will stop work" question in Waves 3H forward, RwRPLNYA is set to .N.

In Wave 1 if Respondent is completely retired, then the "when do you think you will retire completely" question is not asked, and R1RPLNYA is set to .A for "already retired."

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwRPLNYR and RwRPLNYA.

In Wave 2A, the data needed to derive R2RPLNYR are not collected. R2RPLNYR is set to .Q to indicate that this information is not available for AHEAD Respondents in this wave.

Cross Wave Differences in Original HRS Data

The variable of interest is the year the Respondent plans to stop working. In the employment section, the Respondent is asked about retirement plans. The question wording is almost the same across all waves. In all waves the question is preceded by a question about the usual retirement age for people the Respondent works with or with the same kind of job. It is prefaced by: "Now I have a few questions about work and retirement." Then the question is:

"Are you currently planning to stop working altogether or work fewer hours at a particular date or age, to change the kind of work you do when you reach a particular age, have you not given it much thought, or what?"

In Wave 2H, the question is:

"Are you currently planning to stop working altogether or work fewer hours at a particular date or age, have you not given it much thought, or what?"

In Wave 3A and 3H, the question is:

"Now I want to ask about your retirement plans. Do you plan to stop working altogether or work fewer hours at a particular date or age, have you not given it much thought, or what?"

In Waves 4 forward, the question is:

"Now I want to ask about your retirement plans. Do you plan to stop working altogether or reduce work hours at a particular date or age, have you not given it much thought, or what?"

In all waves multiple answers may be given: "stop work altogether," "never stop work," "haven't given it much thought," "no current plans-continue as is," "work fewer hours," "change kind of work," "work for myself," and "other." In Wave 3H another choice is added: "work until my health fails."

If Respondent plans to stop work altogether, Respondent is asked "At what age do you plan to stop working?" The questionnaire allows an age or year to be given. In Wave 1 the variable in the data is an age, but in subsequent waves either an age or year is in the data. Because multiple answers, including indefinite ones, are allowed, many cases are missing a retirement year.

Beginning in Wave 3A, if Respondent hasn't given it much thought or has no current plans, the survey asks: "At what age do you think you will stop working?" In the retirement expectations section of Wave 1 a question follows one on whether Respondent considers her/himself completely retired, and asks when Respondent thinks s/he will retire completely. In Wave 2A there are no retirement questions asked and in 2H there is no question asking Respondent when s/he thinks s/he will stop working or retire.

For AHEAD Respondents in Wave 2A, the information for R2RPLNYR is not available.

HRS Variables Used

HRS 1992:	
V3338	F91:STP WRK ALL TOGETHER
V3346	F91A:AGE TO STOP WRKING
V5001	K13:DATE/YR/AGE WILL:IMP
HRS 1994:	
W3967	FA122.PLANS FOR RETIREME
W3968	FA122.PLANS FOR RETIREME
W3969	FA122.PLANS FOR RETIREME
W3970	FA122.PLANS FOR RETIREME
W3975	FA122a.PLAN TO STOP WORK
W4622	FB82.RETIREMENT PLANS
W4623	FB82.RETIREMENT PLANS
W4624	FB82.RETIREMENT PLANS
W4630	FB82a.AGE EXPECT STOP WO
AHEAD 1995:	
D3121M1	GA122. RETIREMENT PLANS
D3121M2	GA122. RETIREMENT PLANS
D3122	GA122A. AGE STOP WORKING
D3123	GA122A1. YEAR STOP WORKING
D3480M1	GB82. RETIREMENT PLANS
D3480M2	GB82. RETIREMENT PLANS
D3480M3	GB82. RETIREMENT PLANS
HRS 1996:	
E3028M1	G133.PLANS FOR RETIREMENT
E3028M2	G133.PLANS FOR RETIREMENT
E3028M3	G133.PLANS FOR RETIREMENT
E3028M4	G133.PLANS FOR RETIREMENT
E3029	G133A.PLAN TO STOP WORKING-AGE
E3030	G133A1.PLAN TO STOP WORKING-YEAR
E3031	G133B.THINK STOP WORKING-AGE
E3032	G133B1.THINK STOP WORKING-YEAR
HRS 1998:	
F3559M1	G133.PLANS FOR RETIREMENT
F3559M2	G133.PLANS FOR RETIREMENT

F3559M3	G133.PLANS FOR RETIREMENT
F3559M4	G133.PLANS FOR RETIREMENT
F3559M5	G133.PLANS FOR RETIREMENT
F3559M6	G133.PLANS FOR RETIREMENT
F3560	G133A.PLAN TO STOP WORKING-AGE
F3561	G133A1.PLAN TO STOP WORKING-YEAR
F3562	G133B.THINK STOP WORKING-AGE
F3563	G133B1.THINK STOP WORKING-YEAR
HRS 2000:	
G3848M1	G133.PLANS FOR RETIREMENT
G3848M2	G133.PLANS FOR RETIREMENT
G3848M3	G133.PLANS FOR RETIREMENT
G3848M4	G133.PLANS FOR RETIREMENT
G3849	G133A.PLAN TO STOP WORKING-AGE
G3850	G133A1.PLAN TO STOP WORKING-YEAR
G3851	G133B.THINK STOP WORKING-AGE
G3852	G133B1.THINK STOP WORKING-YEAR
HRS 2016:	
PJ3566M1	PLANS FOR RETIREMENT- 1
PJ3566M2	PLANS FOR RETIREMENT- 2
PJ3566M3	PLANS FOR RETIREMENT- 3
PJ3566M4	PLANS FOR RETIREMENT- 4
PJ3566M5	PLANS FOR RETIREMENT- 5
PJ3566M6	PLANS FOR RETIREMENT- 6
PJ3568	PLAN TO STOP WORKING-AGE
PJ3569	PLAN TO STOP WORKING-YR
PJ3570	THINK STOP WORKING-AGE
PJ3571	THINK STOP WORKING-YR
HRS 2002-2004:	
xJ566M6	PLANS FOR RETIREMENT- 6
xJ566M7	PLANS FOR RETIREMENT- 7
HRS 2002-2012:	
xJ566M5	PLANS FOR RETIREMENT- 5
HRS 2002-2014:	
xJ566M1	PLANS FOR RETIREMENT- 1
xJ566M2	PLANS FOR RETIREMENT- 2
xJ566M3	PLANS FOR RETIREMENT- 3
xJ566M4	PLANS FOR RETIREMENT- 4
xJ568	PLAN TO STOP WORKING-AGE
xJ569	PLAN TO STOP WORKING-YR
xJ570	THINK STOP WORKING-AGE
xJ571	THINK STOP WORKING-YR

Expects spouse to retire at the same time

Wave	Variable	Label	Type
1	R1RETWSP	R1RETWSP:W1 R Expect-SP retire same time	Categ
1	S1RETWSP	S1RETWSP:W1 S Expect-SP retire same time	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETWSP	4802	0.87	0.74	0.0	2.0
S1RETWSP	4618	0.87	0.74	0.0	2.0

Categorical Variable Codes

RwRETWSP: R Expect-SP retire same time											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Already retired	|	1467									
.D=DK	|	131									
.I=Retirement not relevant	|	1077									
.M=Oth missing	|	210									
.N=No retirement plans	|	1985									
.S=Skip,proxy IW	|	611									
.U=Unmarried	|	2369									
0.No	|	1672									
1.Yes	|	2081									
2.Sp not working	|	1049									

Value		w11	w12	w13
.A=Already retired	|			
.D=DK	|			
.I=Retirement not relevant	|			
.M=Oth missing	|			
.N=No retirement plans	|			
.S=Skip,proxy IW	|			
.U=Unmarried	|			
0.No	|			
1.Yes	|			
2.Sp not working	|			

SwRETWSP: S Expect-SP retire same time											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Already retired	|	1427									
.D=DK	|	122									
.I=Retirement not relevant	|	1029									
.M=Oth missing	|	188									
.N=No retirement plans	|	1906									
.S=Skip,proxy IW	|	610									
.U=Unmarried	|	2373									
.V=Spouse NR	|	379									
0.No	|	1614									
1.Yes	|	1997									
2.Sp not working	|	1007									

Value		w11	w12	w13
.A=Already retired	|			
.D=DK	|			
.I=Retirement not relevant	|			
.M=Oth missing	|			
.N=No retirement plans	|			
.S=Skip,proxy IW	|			
.U=Unmarried	|			
.V=Spouse NR	|			
0.No	|			
1.Yes	|			
2.Sp not working	|			

How Constructed

The question is in the retirement expectations section and asks:

"Do you expect your spouse to retire at about the same time that you do?"

R1RETWSP is simply a recode of the HRS Wave 1 variable. The possible answers are yes, no, and spouse not working. If the spouse is not working this variable is set to 2. Otherwise, it is set to 0 for no and 1 for yes.

The variable is skipped for a number of reasons. Missing codes are assigned to identify the reasons. If Respondent is completely retired, R1RETWSP is set to .A for already retired. It is set to .U if Respondent is unmarried. If retirement is irrelevant, e.g., if Respondent hasn't been working for the last 10 years or is a homemaker, R1RETWSP is set to .I for irrelevant. If the interview is by proxy, R1RETWSP is set to .S for skipped because proxy.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETWSP.

HRS Variables Used

HRS 1992:

V225	A10:CURRENT MARR STA:IMP
V4901	K1:RETRD:PART,ALL,OR:IMP
V5001	K13:DATE/YR/AGE WILL:IMP
V5002	K14:SPOUSE RET SAME TIME

Tracker:

APROXY	PROXY TYPE STATUS
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Concerned about having enough retirement income

Wave	Variable	Label	Type
1	R1RETINC	R1RETINC:W1 R Worry-enough retiremnt inc	Categ
1	S1RETINC	S1RETINC:W1 S Worry-enough retiremnt inc	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETINC	8822	2.29	1.10	1.0	4.0
S1RETINC	6822	2.35	1.09	1.0	4.0

Categorical Variable Codes

RwRETINC: R Worry-enough retiremnt inc											
Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Already retired	|	1803									
.D=DK	|	5									
.M=Oth missing	|	116									
.N=No retirement plans	|	1269									
.S=Skip,proxy IW	|	637									
1.A lot	|	2801									
2.Somewhat	|	2370									
3.Little	|	1980									
4.Not at all	|	1671									

Value	|	w11	w12	w13
.A=Already retired	|			
.D=DK	|			
.M=Oth missing	|			
.N=No retirement plans	|			
.S=Skip,proxy IW	|			
1.A lot	|			
2.Somewhat	|			
3.Little	|			
4.Not at all	|			

SwRETINC: S Worry-enough retiremnt inc											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Already retired	|	1426									
.D=DK	|	4									
.M=Oth missing	|	67									
.N=No retirement plans	|	974									
.S=Skip,proxy IW	|	607									
.U=Unmarried	|	2373									
.V=Spouse NR	|	379									
1.A lot	|	1953									
2.Somewhat	|	1884									
3.Little	|	1634									
4.Not at all	|	1351									

Value		w11	w12	w13
.A=Already retired	|			
.D=DK	|			
.M=Oth missing	|			
.N=No retirement plans	|			
.S=Skip,proxy IW	|			
.U=Unmarried	|			
.V=Spouse NR	|			
1.A lot	|			
2.Somewhat	|			
3.Little	|			
4.Not at all	|			

How Constructed

The question is in the retirement expectations section and asks:

"Now for things that worry some people about retirement. Please tell me if they worry you a lot, somewhat, a little, or not at all: Not having enough income to get by."

R1RETINC simply recodes missings from the HRS variable. It is set to .S if the interview is by proxy, .A if the Respondent is already completely retired (R1SAYRET=1), .N if the Respondent says s/he will never retire to the question asking when s/he thinks s/he will retire.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETINC.

HRS Variables Used

HRS 1992:

V4901	K1:RETRD:PART,ALL,OR:IMP
V5001	K13:DATE/YR/AGE WILL:IMP
V5022	K22E:WORRY:NOT ENOUGH \$

Expectations regarding retirement living standards versus current living standards	
1	Very much higher
2	Higher
3	Same
4	Lower
5	Very much lower

Wave	Variable	Label	Type
1	R1RETLIV	R1RETLIV:W1 R Expect-retiremt living std	Categ
1	S1RETLIV	S1RETLIV:W1 S Expect-retiremt living std	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETLIV	8743	3.39	0.78	1.0	5.0
S1RETLIV	6782	3.39	0.75	1.0	5.0

Categorical Variable Codes

[illegible]

SwRETLIV: S Expect-retiremt living std											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=Already retired	|	1426									
.D=DK	|	31									
.M=Oth missing	|	78									
.N=No retirement plans	|	974									
.S=Skip,proxy IW	|	609									
.U=Unmarried	|	2373									
.V=Spouse NR	|	379									
1.Increase a lot	|	82									
2.Increase somewhat	|	441									
3.Stay same as now	|	3450									
4.Decline somewhat	|	2387									
5.Decline a lot	|	422									
Value		w11	w12	w13							
.A=Already retired	|										
.D=DK	|										
.M=Oth missing	|										
.N=No retirement plans	|										
.S=Skip,proxy IW	|										
.U=Unmarried	|										
.V=Spouse NR	|										
1.Increase a lot	|										
2.Increase somewhat	|										
3.Stay same as now	|										
4.Decline somewhat	|										
5.Decline a lot	|										

How Constructed

The question is in the retirement expectations section and asks:

"When you [and your spouse/partner] decide to retire, do you expect your living standards to increase a lot, increase somewhat, stay about the same as now, decline somewhat, or decline a lot?"

R1RETLIV simply recodes missings from the HRS variable. It is set to .S if the interview is by proxy, .A if the Respondent is already completely retired (R1SAYRET=1), .N if the Respondent says s/he will never retire to the question asking when s/he thinks s/he will retire.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETLIV.

HRS Variables Used

```
HRS 1992:
V4901      K1:RETRD:PART,ALL,OR:IMP
V5001      K13:DATE/YR/AGE WILL:IMP
V5024      K23:RATE LIV STND FOR RT
```

Expectation of total retirement wealth

Wave	Variable	Label	Type
1	R1RETWLT	R1RETWLT:W1 R Expect-tot retirement wlth	Cont
1	S1RETWLT	S1RETWLT:W1 S Expect-tot retirement wlth	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETWLT	8947	100227.06	300590.02	0.0	9000000.0
S1RETWLT	6896	108132.44	300197.84	0.0	7000000.0

How Constructed

The question is in the retirement expectations section and asks:

"Not counting IRA, Keogh, or any pension fund assets that you [and your spouse/partner] may have, roughly how much savings and reserve funds do you expect to have accumulated by the time you decide to retire?"

R1RETWLT simply recodes missings from the HRS variable. It is set to .S if the interview is by proxy, .A if the Respondent is already completely retired (R1SAYRET=1), .N if the Respondent says s/he will never retire to the question asking when s/he thinks s/he will retire.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETWLT.

HRS Variables Used

HRS 1992:
V4901 K1:RETRD:PART,ALL,OR:IMP
V5001 K13:DATE/YR/AGE WILL:IMP
V5025 K24:SAV:\$AMT SAVD BY:IMP

Plans to continue paid work in retirement	
Yes	10%
No	90%

Wave	Variable	Label	Type
1	R1RETWRK	R1RETWRK:W1 R Plan-paid work aft retired	Categ
1	S1RETWRK	S1RETWRK:W1 S Plan-paid work aft retired	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETWRK	10176	0.73	0.44	0.0	1.0
S1RETWRK	7908	0.72	0.45	0.0	1.0

Categorical Variable Codes

RwRETWRK: R Plan-paid work aft retired										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	1762									
.M=Oth missing	71									
.S=Skip,proxy IW	643									
0.Stop work entirely	2733									
1.Continue paid work	7443									
Value	w11	w12	w13							
.D=DK										
.M=Oth missing										
.S=Skip,proxy IW										
0.Stop work entirely										
1.Continue paid work										

SwRETWRK: S Plan-paid work aft retired											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	1342									
.M=Oth missing	|	38									
.S=Skip,proxy IW	|	612									
.U=Unmarried	|	2373									
.V=Spouse NR	|	379									
0.Stop work entirely	|	2231									
1.Continue paid work	|	5677									

Value		w11	w12	w13
.D=DK	|			
.M=Oth missing	|			
.S=Skip,proxy IW	|			
.U=Unmarried	|			
.V=Spouse NR	|			
0.Stop work entirely	|			
1.Continue paid work	|			

How Constructed

The question is in the retirement expectations section and asks:

"Some people want to stop paid work entirely when they retire, while others would like to continue doing some paid work, what about you?"

R1RETWRK simply recodes the HRS variable. A "stop work entirely" response is set to 0 and "continue paid work" is set to 1. This question is skipped if the interview is by proxy. In this case R1RETWRK is set to .S. There are many "don't know" responses to this question; the questionnaire indicates that this missing value includes both "not applicable" and "don't know." There was no clear reason for a "not applicable" code.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RETWRK.

HRS Variables Used

HRS 1992:
V5032 K26:CONT PAID WRK AT RET

Self-reported probability of living to age 75

Wave	Variable	Label	Type
1	R1LIV75	R1LIV75:W1 R Probability to live 75+	Cont
2	R2LIV75	R2LIV75:W2 R Probability to live 75+	Cont
3	R3LIV75	R3LIV75:W3 R Probability to live 75+	Cont
4	R4LIV75	R4LIV75:W4 R Probability to live 75+	Cont
5	R5LIV75	R5LIV75:W5 R Probability to live 75+	Cont
6	R6LIV75	R6LIV75:W6 R Probability to live 75+	Cont
7	R7LIV75	R7LIV75:W7 R Probability to live 75+	Cont
8	R8LIV75	R8LIV75:W8 R Probability to live 75+	Cont
9	R9LIV75	R9LIV75:W9 R Probability to live 75+	Cont
10	R10LIV75	R10LIV75:W10 R Probability to live 75+	Cont
11	R11LIV75	R11LIV75:W11 R Probability to live 75+	Cont
12	R12LIV75	R12LIV75:W12 R Probability to live 75+	Cont
13	R13LIV75	R13LIV75:W13 R Probability to live 75+	Cont
1	S1LIV75	S1LIV75:W1 S Probability to live 75+	Cont
2	S2LIV75	S2LIV75:W2 S Probability to live 75+	Cont
3	S3LIV75	S3LIV75:W3 S Probability to live 75+	Cont
4	S4LIV75	S4LIV75:W4 S Probability to live 75+	Cont
5	S5LIV75	S5LIV75:W5 S Probability to live 75+	Cont
6	S6LIV75	S6LIV75:W6 S Probability to live 75+	Cont
7	S7LIV75	S7LIV75:W7 S Probability to live 75+	Cont
8	S8LIV75	S8LIV75:W8 S Probability to live 75+	Cont
9	S9LIV75	S9LIV75:W9 S Probability to live 75+	Cont
10	S10LIV75	S10LIV75:W10 S Probability to live 75+	Cont
11	S11LIV75	S11LIV75:W11 S Probability to live 75+	Cont
12	S12LIV75	S12LIV75:W12 S Probability to live 75+	Cont
13	S13LIV75	S13LIV75:W13 S Probability to live 75+	Cont
1	R1LIV75P	R1LIV75P:W1 LfTab prob live 75+/R curage	Cont
2	R2LIV75P	R2LIV75P:W2 LfTab prob live 75+/R curage	Cont
3	R3LIV75P	R3LIV75P:W3 LfTab prob live 75+/R curage	Cont
4	R4LIV75P	R4LIV75P:W4 LfTab prob live 75+/R curage	Cont
5	R5LIV75P	R5LIV75P:W5 LfTab prob live 75+/R curage	Cont
6	R6LIV75P	R6LIV75P:W6 LfTab prob live 75+/R curage	Cont
7	R7LIV75P	R7LIV75P:W7 LfTab prob live 75+/R curage	Cont
8	R8LIV75P	R8LIV75P:W8 LfTab prob live 75+/R curage	Cont
9	R9LIV75P	R9LIV75P:W9 LfTab prob live 75+/R curage	Cont
10	R10LIV75P	R10LIV75P:W10 LfTab prob live 75+/R curage	Cont
11	R11LIV75P	R11LIV75P:W11 LfTab prob live 75+/R curage	Cont
12	R12LIV75P	R12LIV75P:W12 LfTab prob live 75+/R curage	Cont
13	R13LIV75P	R13LIV75P:W13 LfTab prob live 75+/R curage	Cont
1	S1LIV75P	S1LIV75P:W1 LfTab prob live 75+/R curage	Cont
2	S2LIV75P	S2LIV75P:W2 LfTab prob live 75+/R curage	Cont
3	S3LIV75P	S3LIV75P:W3 LfTab prob live 75+/R curage	Cont
4	S4LIV75P	S4LIV75P:W4 LfTab prob live 75+/R curage	Cont
5	S5LIV75P	S5LIV75P:W5 LfTab prob live 75+/R curage	Cont
6	S6LIV75P	S6LIV75P:W6 LfTab prob live 75+/R curage	Cont
7	S7LIV75P	S7LIV75P:W7 LfTab prob live 75+/R curage	Cont
8	S8LIV75P	S8LIV75P:W8 LfTab prob live 75+/R curage	Cont
9	S9LIV75P	S9LIV75P:W9 LfTab prob live 75+/R curage	Cont
10	S10LIV75P	S10LIV75P:W10 LfTab prob live 75+/R curage	Cont
11	S11LIV75P	S11LIV75P:W11 LfTab prob live 75+/R curage	Cont
12	S12LIV75P	S12LIV75P:W12 LfTab prob live 75+/R curage	Cont
13	S13LIV75P	S13LIV75P:W13 LfTab prob live 75+/R curage	Cont
1	R1LIV75R	R1LIV75R:W1 Rprob live 75+ / LfTab prob	Cont
2	R2LIV75R	R2LIV75R:W2 Rprob live 75+ / LfTab prob	Cont
3	R3LIV75R	R3LIV75R:W3 Rprob live 75+ / LfTab prob	Cont
4	R4LIV75R	R4LIV75R:W4 Rprob live 75+ / LfTab prob	Cont
5	R5LIV75R	R5LIV75R:W5 Rprob live 75+ / LfTab prob	Cont
6	R6LIV75R	R6LIV75R:W6 Rprob live 75+ / LfTab prob	Cont
7	R7LIV75R	R7LIV75R:W7 Rprob live 75+ / LfTab prob	Cont
8	R8LIV75R	R8LIV75R:W8 Rprob live 75+ / LfTab prob	Cont
9	R9LIV75R	R9LIV75R:W9 Rprob live 75+ / LfTab prob	Cont
10	R10LIV75R	R10LIV75R:W10 Rprob live 75+ / LfTab prob	Cont

11	R11LIV75R	R11LIV75R:W11 Rprob live 75+ / LfTab prob	Cont
12	R12LIV75R	R12LIV75R:W12 Rprob live 75+ / LfTab prob	Cont
13	R13LIV75R	R13LIV75R:W13 Rprob live 75+ / LfTab prob	Cont
1	S1LIV75R	S1LIV75R:W1 Rprob live 75+ / LfTab prob	Cont
2	S2LIV75R	S2LIV75R:W2 Rprob live 75+ / LfTab prob	Cont
3	S3LIV75R	S3LIV75R:W3 Rprob live 75+ / LfTab prob	Cont
4	S4LIV75R	S4LIV75R:W4 Rprob live 75+ / LfTab prob	Cont
5	S5LIV75R	S5LIV75R:W5 Rprob live 75+ / LfTab prob	Cont
6	S6LIV75R	S6LIV75R:W6 Rprob live 75+ / LfTab prob	Cont
7	S7LIV75R	S7LIV75R:W7 Rprob live 75+ / LfTab prob	Cont
8	S8LIV75R	S8LIV75R:W8 Rprob live 75+ / LfTab prob	Cont
9	S9LIV75R	S9LIV75R:W9 Rprob live 75+ / LfTab prob	Cont
10	S10LIV75R	S10LIV75R:W10 Rprob live 75+ / LfTab prob	Cont
11	S11LIV75R	S11LIV75R:W11 Rprob live 75+ / LfTab prob	Cont
12	S12LIV75R	S12LIV75R:W12 Rprob live 75+ / LfTab prob	Cont
13	S13LIV75R	S13LIV75R:W13 Rprob live 75+ / LfTab prob	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIV75	11758	64.59	29.68	0.0	100.0
R2LIV75	9668	63.50	28.97	0.0	100.0
R3LIV75	8828	65.15	30.59	0.0	100.0
R4LIV75	9417	65.29	29.24	0.0	100.0
R5LIV75	8231	66.52	28.05	0.0	100.0
R6LIV75	6853	66.26	28.18	0.0	100.0
R7LIV75	8724	64.64	28.82	0.0	100.0
R8LIV75	6442	63.23	29.38	0.0	100.0
R9LIV75	5354	65.52	28.37	0.0	100.0
R10LIV75	10071	62.36	30.12	0.0	100.0
R11LIV75	9151	60.44	30.40	0.0	100.0
R12LIV75	7850	60.76	30.27	0.0	100.0
R13LIV75	10251	61.61	30.82	0.0	100.0
S1LIV75	9138	65.17	29.07	0.0	100.0
S2LIV75	7276	63.97	28.16	0.0	100.0
S3LIV75	6501	65.92	29.78	0.0	100.0
S4LIV75	6966	65.70	28.51	0.0	100.0
S5LIV75	6113	67.12	27.34	0.0	100.0
S6LIV75	5077	66.76	27.57	0.0	100.0
S7LIV75	6302	65.45	28.07	0.0	100.0
S8LIV75	4738	64.22	28.55	0.0	100.0
S9LIV75	3848	66.14	27.62	0.0	100.0
S10LIV75	6641	63.07	29.22	0.0	100.0
S11LIV75	6041	60.90	29.71	0.0	100.0
S12LIV75	5050	61.33	29.43	0.0	100.0
S13LIV75	6148	62.43	30.01	0.0	100.0
R1LIV75P	12651	69.64	7.17	54.2	100.0
R2LIV75P	19641	80.96	13.74	54.6	100.0
R3LIV75P	17991	82.23	13.32	55.7	100.0
R4LIV75P	21384	82.23	12.57	57.6	100.0
R5LIV75P	19578	83.69	12.02	58.8	100.0
R6LIV75P	18165	85.42	11.23	60.2	100.0
R7LIV75P	20129	84.72	11.19	61.9	100.0
R8LIV75P	18469	86.44	10.65	62.4	100.0
R9LIV75P	17217	87.88	10.23	63.3	100.0
R10LIV75P	22034	85.65	10.61	64.2	100.0

R11LIV75P	20554	86.85	10.28	64.9	100.0
R12LIV75P	18747	87.66	10.09	65.0	100.0
R13LIV75P	20912	85.81	10.42	64.3	100.0
S1LIV75P	9900	69.26	7.22	54.2	100.0
S2LIV75P	13090	77.86	12.80	54.6	100.0
S3LIV75P	11917	79.35	12.50	55.7	100.0
S4LIV75P	13980	79.63	11.85	57.6	100.0
S5LIV75P	12730	81.08	11.41	58.8	100.0
S6LIV75P	11639	83.03	10.82	60.2	100.0
S7LIV75P	12972	82.64	10.76	61.9	100.0
S8LIV75P	11735	84.39	10.42	62.4	100.0
S9LIV75P	10646	85.98	10.13	63.3	100.0
S10LIV75P	13513	84.14	10.33	64.2	100.0
S11LIV75P	12488	85.30	10.08	64.9	100.0
S12LIV75P	11012	86.05	9.94	65.0	100.0
S13LIV75P	11779	84.52	10.19	64.3	100.0
R1LIV75R	11757	0.93	0.44	0.0	1.8
R2LIV75R	9668	0.90	0.42	0.0	1.8
R3LIV75R	8828	0.91	0.43	0.0	1.7
R4LIV75R	9417	0.90	0.41	0.0	1.7
R5LIV75R	8231	0.90	0.39	0.0	1.7
R6LIV75R	6853	0.88	0.38	0.0	1.6
R7LIV75R	8724	0.86	0.39	0.0	1.6
R8LIV75R	6442	0.83	0.39	0.0	1.6
R9LIV75R	5354	0.85	0.37	0.0	1.6
R10LIV75R	10071	0.81	0.40	0.0	1.5
R11LIV75R	9151	0.78	0.39	0.0	1.5
R12LIV75R	7850	0.78	0.39	0.0	1.5
R13LIV75R	10251	0.80	0.40	0.0	1.6
S1LIV75R	9138	0.94	0.43	0.0	1.8
S2LIV75R	7276	0.92	0.41	0.0	1.8
S3LIV75R	6501	0.92	0.42	0.0	1.7
S4LIV75R	6966	0.92	0.40	0.0	1.7
S5LIV75R	6113	0.92	0.38	0.0	1.7
S6LIV75R	5077	0.89	0.37	0.0	1.6
S7LIV75R	6302	0.87	0.38	0.0	1.6
S8LIV75R	4738	0.85	0.38	0.0	1.6
S9LIV75R	3848	0.87	0.36	0.0	1.6
S10LIV75R	6641	0.83	0.39	0.0	1.5
S11LIV75R	6041	0.79	0.39	0.0	1.5
S12LIV75R	5050	0.79	0.38	0.0	1.5
S13LIV75R	6148	0.81	0.39	0.0	1.6

General Comments

Questions about probability of living to a given age vary between the AHEAD and HRS entry cohorts in Waves 2 and 3, due to the difference in the age of the Respondents. Thus, AHEAD Respondents are not asked about living to age 75, since most of them are close to or past that age at the first interview. So for the AHEAD entry cohort in Waves 2A and 3A, RwlIV75 and related variables (RwlIV75R, RwlIV75C, and RwlIV75F) are set to .Q to indicate that the information is not available. If an AHEAD Respondent is 75 or younger, RwlIV75P is set for them; if older than 75, RwlIV75P is set to 100.

In Waves 1, 2H, 3H, and 4, questions ask the Respondent the probability of living to age 85. In Wave 4, few of the AHEAD

Respondents are young enough to be asked this question. To accommodate older Respondents, in Waves 2A, 3A, and from Wave 5 forward, the question does not always ask the probability of living to age 85, but asks the probability of living to an age from 80 to 100, depending on the Respondent's age. From Wave 5 on, the wording depends on the Respondent's age at the interview. In Waves 2A and 3A, the wording depends on birth year and is the same in both waves, even though Respondents are usually two years older in Wave 3A. So the age used to determine question wording in these waves is age in 1993.

These two different versions of the variables are named differently to alert the user to the inconsistencies in the questions. The Wave 1, 2H, 3H, and 4 variables are named RwLIV85, RwLIV85P, and RwLIV85R, while the Wave 2A, 3A, and from Wave 5 forward variables are named RwLIV10 (for 10 or so more years), RwLIV10P, and RwLIV10R. Changes in these probabilities from those given in a previous wave are used to measure change in health status in variables RwLIV75C, RwLIV85C, and R2LIV8XC. If the change uses RwLIV10R in the current or previous wave, then it is assigned to RwLIV8XC. If it uses RwLIV85R in both waves, it is assigned to RwLIV85C.

For AHEAD Respondents in Waves 2 and 3 (2A and 3A), RwLIV85, RwLIV85P, RwLIV85R, RwLIV85C, and RwLIV85F are set to .Q to indicate that this information is unavailable for this cohort in these waves. In addition, R4LIV85C and R4LIV85F are set to .Q for these cases, since the information is not available from a prior wave.

For HRS Respondents in Waves 2 and 3 (2H and 3H), RwLIV10, RwLIV10P, RwLIV10R, RwLIV8XC, and RwLIV8XF are set to .Q to indicate that these are inapplicable or unavailable for this cohort in these waves. In addition, R4LIV8XC and R4LIV8XF are set to .Q for these cases, since the prior wave information is completely based on RwLIV85 information.

How Constructed

RwLIV75 is the Respondent's self-reported probability of living to age 75.

RwLIV75P is the implied probability from the Vital Statistics life tables that someone of the Respondent's age and gender will live to be 75. RwLIV75R is the ratio between RwLIV75 and RwLIV75P.

The life tables used are the annual life tables for the year of the wave, e.g., the 1998 life table is used to derive R4LIV75P and the 2000 life table is used to derive R5LIV75P. For Waves 3A and 3H, an alternate set of life tables, similar to those from the NCHS web page but providing estimates beyond age 85, were taken from the Berkeley Mortality Database. The probability of survival is calculated as the number surviving at age 75 divided by the number surviving to the Respondent's age, for males or females, as appropriate. SwLIV75, SwLIV75P, and SwLIV75R provide this information for the Respondent's spouse or partner.

In Wave 1 Respondent's self-reported probability is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

Otherwise this variable simply recodes missing values. It is set to .S if the question is skipped because the interview is by proxy. From Wave 2H forward, it is set to .A if skipped because Respondent is older than 65. It is set to .X if the Respondent can not perform the probability question. .D means "Don't Know" and .R means the "Respondent refused to answer the question."

The spouse variable is taken from the wave "w" spouse's self-report, e.g., S3LIV75 is taken from the Wave 3 spouse's R3LIV75. Note this variable is also used to measure changes in health across waves. See the Health section of this document for the relevant variables (RwLIV75C).

This question is not asked in Wave 2A or 3A and so the variables are set to .Q.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the question is asked in the Cognition section. In subsequent waves it is asked in the Expectations section.

In Wave 1, the question asks: "What do you think are the chances that you will live to be 75 or more?"

In subsequent waves, the question is: "(What is the percent chance) that you will live to be 75 or more?"

In Wave 1, the responses are on a scale of 0 to 10, with 0 meaning absolutely no chance and 10 meaning absolutely no chance. In subsequent waves responses are scaled from 0 to 100.

In all waves, the question is skipped if the interview is by proxy. Beginning in Wave 2H this question is skipped if Respondent is older than age 65. This question is not asked in Waves 2A and 3A.

HRS Variables Used

HRS 1992:	
V5115	L7:FUTR:WILL LIVE TO 75+
HRS 1994:	
W5839	C6.CHANCE LIVE TO 75
HRS 1996:	
E3819	H8. CHANCE LIVE TO 75
HRS 1998:	
F4605	H11. CHANCE LIVE TO 75
HRS 2000:	
G5018	H11. CHANCE LIVE TO 75
G514	CS1A.PROXY/SELF INTERVIEW
HRS 2002-2016:	
xA009	PROXY/SELF INTERVIEW
xP028	CHANCE R WILL LIVE TO BE AGE 75 OR MORE

Self-reported probability of living to age 85

Wave	Variable	Label	Type
1	R1LIV85	R1LIV85:W1 R Probability to live 85+	Cont
2	R2LIV85	R2LIV85:W2 R Probability to live 85+	Cont
3	R3LIV85	R3LIV85:W3 R Probability to live 85+	Cont
4	R4LIV85	R4LIV85:W4 R Probability to live 85+	Cont
1	S1LIV85	S1LIV85:W1 S Probability to live 85+	Cont
2	S2LIV85	S2LIV85:W2 S Probability to live 85+	Cont
3	S3LIV85	S3LIV85:W3 S Probability to live 85+	Cont
4	S4LIV85	S4LIV85:W4 S Probability to live 85+	Cont
2	R2LIV10	R2LIV10:W2 R Probability to live 80-100	Cont
3	R3LIV10	R3LIV10:W3 R Probability to live 80-100	Cont
5	R5LIV10	R5LIV10:W5 R Probability to live 80-100	Cont
6	R6LIV10	R6LIV10:W6 R Probability to live 80-100	Cont
7	R7LIV10	R7LIV10:W7 R Probability to live 80-100	Cont
8	R8LIV10	R8LIV10:W8 R Probability to live 80-100	Cont
9	R9LIV10	R9LIV10:W9 R Probability to live 80-100	Cont
10	R10LIV10	R10LIV10:W10 R Probability to live 80-100	Cont
11	R11LIV10	R11LIV10:W11 R Probability to live 80-100	Cont
12	R12LIV10	R12LIV10:W12 R Probability to live 80-100	Cont
13	R13LIV10	R13LIV10:W13 R Probability to live 80-100	Cont
2	S2LIV10	S2LIV10:W2 S Probability to live 80-100	Cont
3	S3LIV10	S3LIV10:W3 S Probability to live 80-100	Cont
5	S5LIV10	S5LIV10:W5 S Probability to live 80-100	Cont
6	S6LIV10	S6LIV10:W6 S Probability to live 80-100	Cont
7	S7LIV10	S7LIV10:W7 S Probability to live 80-100	Cont
8	S8LIV10	S8LIV10:W8 S Probability to live 80-100	Cont
9	S9LIV10	S9LIV10:W9 S Probability to live 80-100	Cont
10	S10LIV10	S10LIV10:W10 S Probability to live 80-100	Cont
11	S11LIV10	S11LIV10:W11 S Probability to live 80-100	Cont
12	S12LIV10	S12LIV10:W12 S Probability to live 80-100	Cont
13	S13LIV10	S13LIV10:W13 S Probability to live 80-100	Cont
2	R2LIV10A	R2LIV10A:W2 Age used in live 80-100/85 Q	Cont
3	R3LIV10A	R3LIV10A:W3 Age used in live 80-100/85 Q	Cont
5	R5LIV10A	R5LIV10A:W5 Age used in live 80-100/85 Q	Cont
6	R6LIV10A	R6LIV10A:W6 Age used in live 80-100/85 Q	Cont
7	R7LIV10A	R7LIV10A:W7 Age used in live 80-100/85 Q	Cont
8	R8LIV10A	R8LIV10A:W8 Age used in live 80-100/85 Q	Cont
9	R9LIV10A	R9LIV10A:W9 Age used in live 80-100/85 Q	Cont
10	R10LIV10A	R10LIV10A:W10 Age used in live 80-100/85 Q	Cont
11	R11LIV10A	R11LIV10A:W11 Age used in live 80-100/85 Q	Cont
12	R12LIV10A	R12LIV10A:W12 Age used in live 80-100/85 Q	Cont
13	R13LIV10A	R13LIV10A:W13 Age used in live 80-100/85 Q	Cont
2	S2LIV10A	S2LIV10A:W2 Age used in live 80-100/85 Q	Cont
3	S3LIV10A	S3LIV10A:W3 Age used in live 80-100/85 Q	Cont
5	S5LIV10A	S5LIV10A:W5 Age used in live 80-100/85 Q	Cont
6	S6LIV10A	S6LIV10A:W6 Age used in live 80-100/85 Q	Cont
7	S7LIV10A	S7LIV10A:W7 Age used in live 80-100/85 Q	Cont
8	S8LIV10A	S8LIV10A:W8 Age used in live 80-100/85 Q	Cont
9	S9LIV10A	S9LIV10A:W9 Age used in live 80-100/85 Q	Cont
10	S10LIV10A	S10LIV10A:W10 Age used in live 80-100/85 Q	Cont
11	S11LIV10A	S11LIV10A:W11 Age used in live 80-100/85 Q	Cont
12	S12LIV10A	S12LIV10A:W12 Age used in live 80-100/85 Q	Cont
13	S13LIV10A	S13LIV10A:W13 Age used in live 80-100/85 Q	Cont
1	R1LIV85P	R1LIV85P:W1 LfTab prob live 85+/R curage	Cont
2	R2LIV85P	R2LIV85P:W2 LfTab prob live 85+/R curage	Cont
3	R3LIV85P	R3LIV85P:W3 LfTab prob live 85+/R curage	Cont
4	R4LIV85P	R4LIV85P:W4 LfTab prob live 85+/R curage	Cont
1	S1LIV85P	S1LIV85P:W1 LfTab prob live 85+/R curage	Cont
2	S2LIV85P	S2LIV85P:W2 LfTab prob live 85+/R curage	Cont
3	S3LIV85P	S3LIV85P:W3 LfTab prob live 85+/R curage	Cont

4	S4LIV85P	S4LIV85P:W4 LfTab prob live 85+/R curage	Cont
2	R2LIV10P	R2LIV10P:W2 LfTab prob live 80-100/R curage	Cont
3	R3LIV10P	R3LIV10P:W3 LfTab prob live 80-100/R curage	Cont
5	R5LIV10P	R5LIV10P:W5 LfTab prob live 80-100/R curage	Cont
6	R6LIV10P	R6LIV10P:W6 LfTab prob live 80-100/R curage	Cont
7	R7LIV10P	R7LIV10P:W7 LfTab prob live 80-100/R curage	Cont
8	R8LIV10P	R8LIV10P:W8 LfTab prob live 80-100/R curage	Cont
9	R9LIV10P	R9LIV10P:W9 LfTab prob live 80-100/R curage	Cont
10	R10LIV10P	R10LIV10P:W10 LfTab prob live 80-100/R curage	Cont
11	R11LIV10P	R11LIV10P:W11 LfTab prob live 80-100/R curage	Cont
12	R12LIV10P	R12LIV10P:W12 LfTab prob live 80-100/R curage	Cont
13	R13LIV10P	R13LIV10P:W13 LfTab prob live 80-100/R curage	Cont
2	S2LIV10P	S2LIV10P:W2 LfTab prob live 80-100/R curage	Cont
3	S3LIV10P	S3LIV10P:W3 LfTab prob live 80-100/R curage	Cont
5	S5LIV10P	S5LIV10P:W5 LfTab prob live 80-100/R curage	Cont
6	S6LIV10P	S6LIV10P:W6 LfTab prob live 80-100/R curage	Cont
7	S7LIV10P	S7LIV10P:W7 LfTab prob live 80-100/R curage	Cont
8	S8LIV10P	S8LIV10P:W8 LfTab prob live 80-100/R curage	Cont
9	S9LIV10P	S9LIV10P:W9 LfTab prob live 80-100/R curage	Cont
10	S10LIV10P	S10LIV10P:W10 LfTab prob live 80-100/R curage	Cont
11	S11LIV10P	S11LIV10P:W11 LfTab prob live 80-100/R curage	Cont
12	S12LIV10P	S12LIV10P:W12 LfTab prob live 80-100/R curage	Cont
13	S13LIV10P	S13LIV10P:W13 LfTab prob live 80-100/R curage	Cont
1	R1LIV85R	R1LIV85R:W1 Rprob live 85+ / LfTab prob	Cont
2	R2LIV85R	R2LIV85R:W2 Rprob live 85+ / LfTab prob	Cont
3	R3LIV85R	R3LIV85R:W3 Rprob live 85+ / LfTab prob	Cont
4	R4LIV85R	R4LIV85R:W4 Rprob live 85+ / LfTab prob	Cont
1	S1LIV85R	S1LIV85R:W1 Rprob live 85+ / LfTab prob	Cont
2	S2LIV85R	S2LIV85R:W2 Rprob live 85+ / LfTab prob	Cont
3	S3LIV85R	S3LIV85R:W3 Rprob live 85+ / LfTab prob	Cont
4	S4LIV85R	S4LIV85R:W4 Rprob live 85+ / LfTab prob	Cont
2	R2LIV10R	R2LIV10R:W2 Rprob live 80-100 / LfTab prob	Cont
3	R3LIV10R	R3LIV10R:W3 Rprob live 80-100 / LfTab prob	Cont
5	R5LIV10R	R5LIV10R:W5 Rprob live 80-100 / LfTab prob	Cont
6	R6LIV10R	R6LIV10R:W6 Rprob live 80-100 / LfTab prob	Cont
7	R7LIV10R	R7LIV10R:W7 Rprob live 80-100 / LfTab prob	Cont
8	R8LIV10R	R8LIV10R:W8 Rprob live 80-100 / LfTab prob	Cont
9	R9LIV10R	R9LIV10R:W9 Rprob live 80-100 / LfTab prob	Cont
10	R10LIV10R	R10LIV10R:W10 Rprob live 80-100 / LfTab prob	Cont
11	R11LIV10R	R11LIV10R:W11 Rprob live 80-100 / LfTab prob	Cont
12	R12LIV10R	R12LIV10R:W12 Rprob live 80-100 / LfTab prob	Cont
13	R13LIV10R	R13LIV10R:W13 Rprob live 80-100 / LfTab prob	Cont
2	S2LIV10R	S2LIV10R:W2 Rprob live 80-100 / LfTab prob	Cont
3	S3LIV10R	S3LIV10R:W3 Rprob live 80-100 / LfTab prob	Cont
5	S5LIV10R	S5LIV10R:W5 Rprob live 80-100 / LfTab prob	Cont
6	S6LIV10R	S6LIV10R:W6 Rprob live 80-100 / LfTab prob	Cont
7	S7LIV10R	S7LIV10R:W7 Rprob live 80-100 / LfTab prob	Cont
8	S8LIV10R	S8LIV10R:W8 Rprob live 80-100 / LfTab prob	Cont
9	S9LIV10R	S9LIV10R:W9 Rprob live 80-100 / LfTab prob	Cont
10	S10LIV10R	S10LIV10R:W10 Rprob live 80-100 / LfTab prob	Cont
11	S11LIV10R	S11LIV10R:W11 Rprob live 80-100 / LfTab prob	Cont
12	S12LIV10R	S12LIV10R:W12 Rprob live 80-100 / LfTab prob	Cont
13	S13LIV10R	S13LIV10R:W13 Rprob live 80-100 / LfTab prob	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LIV85	11740	43.47	32.28	0.0	100.0
R2LIV85	10163	42.02	31.28	0.0	100.0
R3LIV85	9583	45.16	33.16	0.0	100.0

R4LIV85	9303	43.54	31.89	0.0	100.0
S1LIV85	9133	43.62	31.82	0.0	100.0
S2LIV85	7756	42.06	30.82	0.0	100.0
S3LIV85	7221	45.32	32.63	0.0	100.0
S4LIV85	6898	43.32	31.31	0.0	100.0
R2LIV10	6141	43.18	34.85	0.0	100.0
R3LIV10	5338	50.24	32.88	0.0	100.0
R5LIV10	15579	49.56	31.82	0.0	100.0
R6LIV10	14420	48.63	32.08	0.0	100.0
R7LIV10	16780	49.04	32.35	0.0	100.0
R8LIV10	15467	45.30	32.15	0.0	100.0
R9LIV10	14450	48.29	31.73	0.0	100.0
R10LIV10	18911	45.77	32.61	0.0	100.0
R11LIV10	17925	45.21	32.20	0.0	100.0
R12LIV10	16452	45.73	32.13	0.0	100.0
R13LIV10	18510	46.75	32.58	0.0	100.0
S2LIV10	3423	45.88	33.94	0.0	100.0
S3LIV10	2929	52.44	31.67	0.0	100.0
S5LIV10	10469	50.85	31.04	0.0	100.0
S6LIV10	9540	50.25	31.09	0.0	100.0
S7LIV10	11137	50.27	31.61	0.0	100.0
S8LIV10	10171	46.40	31.35	0.0	100.0
S9LIV10	9300	49.23	30.46	0.0	100.0
S10LIV10	11938	46.50	31.54	0.0	100.0
S11LIV10	11256	45.59	31.36	0.0	100.0
S12LIV10	9976	46.35	30.99	0.0	100.0
S13LIV10	10713	47.36	31.48	0.0	100.0
R2LIV10A	7930	89.12	5.63	80.0	100.0
R3LIV10A	6803	88.83	5.57	80.0	100.0
R5LIV10A	19141	83.93	6.01	80.0	100.0
R6LIV10A	17603	84.26	6.13	80.0	100.0
R7LIV10A	19431	83.90	6.00	80.0	100.0
R8LIV10A	17948	86.32	5.20	80.0	100.0
R9LIV10A	16675	86.56	5.36	80.0	100.0
R10LIV10A	21457	86.39	4.60	80.0	100.0
R11LIV10A	19951	86.62	4.72	80.0	100.0
R12LIV10A	18139	86.71	4.91	80.0	100.0
R13LIV10A	20365	86.42	4.73	80.0	100.0
S2LIV10A	4293	87.51	5.46	80.0	100.0
S3LIV10A	3552	87.24	5.33	80.0	100.0
S5LIV10A	12667	82.78	4.96	80.0	100.0
S6LIV10A	11500	83.09	5.10	80.0	100.0
S7LIV10A	12699	82.90	5.04	80.0	100.0
S8LIV10A	11658	85.59	4.43	80.0	100.0
S9LIV10A	10564	85.82	4.67	80.0	100.0
S10LIV10A	13421	85.85	4.06	80.0	100.0
S11LIV10A	12396	86.05	4.26	80.0	100.0
S12LIV10A	10922	86.11	4.44	80.0	100.0
S13LIV10A	11685	85.92	4.24	80.0	100.0
R1LIV85P	12651	37.44	8.86	24.1	100.0
R2LIV85P	11419	37.87	8.33	24.4	88.4
R3LIV85P	10964	39.21	7.92	25.5	100.0
R4LIV85P	21384	49.64	18.17	26.9	100.0

S1LIV85P	9900	36.83	8.82	24.1	100.0
S2LIV85P	8741	37.17	8.31	24.4	88.4
S3LIV85P	8308	38.52	7.94	25.5	100.0
S4LIV85P	13980	45.13	14.33	26.9	100.0
R2LIV10P	7930	34.61	19.11	1.9	72.5
R3LIV10P	6803	38.59	19.38	2.6	100.0
R5LIV10P	19141	49.33	18.15	1.8	100.0
R6LIV10P	17603	49.94	18.67	3.5	100.0
R7LIV10P	19431	52.33	17.90	4.1	90.6
R8LIV10P	17948	43.53	17.54	2.8	100.0
R9LIV10P	16675	44.81	18.54	1.1	100.0
R10LIV10P	21457	45.30	16.13	2.8	77.1
R11LIV10P	19951	45.50	16.50	2.8	77.6
R12LIV10P	18139	46.00	17.06	3.0	77.9
R13LIV10P	20365	46.43	16.50	3.1	78.1
S2LIV10P	4293	37.77	19.81	1.9	72.5
S3LIV10P	3552	41.65	19.78	2.6	75.9
S5LIV10P	12667	51.60	15.72	1.8	100.0
S6LIV10P	11500	52.22	16.33	3.5	78.8
S7LIV10P	12699	54.22	15.71	4.1	83.9
S8LIV10P	11658	44.50	15.90	2.8	92.6
S9LIV10P	10564	46.01	16.93	2.6	100.0
S10LIV10P	13421	46.04	15.06	2.8	77.1
S11LIV10P	12396	46.37	15.60	2.8	77.6
S12LIV10P	10922	46.93	16.03	3.0	77.9
S13LIV10P	11685	47.17	15.47	3.1	78.1
R1LIV85R	11739	1.20	0.95	0.0	4.0
R2LIV85R	10162	1.14	0.90	0.0	4.1
R3LIV85R	9583	1.18	0.90	0.0	3.8
R4LIV85R	9303	1.12	0.85	0.0	3.6
S1LIV85R	9133	1.22	0.95	0.0	4.0
S2LIV85R	7756	1.16	0.90	0.0	4.1
S3LIV85R	7221	1.20	0.90	0.0	3.6
S4LIV85R	6898	1.13	0.85	0.0	3.6
R2LIV10R	6141	1.87	3.49	0.0	47.0
R3LIV10R	5338	1.79	2.86	0.0	37.8
R5LIV10R	15554	1.23	1.76	0.0	31.6
R6LIV10R	14420	1.15	1.50	0.0	25.5
R7LIV10R	16780	1.07	1.27	0.0	24.3
R8LIV10R	15467	1.28	1.96	0.0	35.7
R9LIV10R	14450	1.42	2.40	0.0	38.3
R10LIV10R	18911	1.20	1.79	0.0	35.6
R11LIV10R	17925	1.22	1.90	0.0	35.1
R12LIV10R	16452	1.22	1.84	0.0	33.0
R13LIV10R	18510	1.22	1.80	0.0	32.4
S2LIV10R	3423	1.77	3.27	0.0	47.0
S3LIV10R	2929	1.70	2.66	0.0	37.8
S5LIV10R	10462	1.14	1.48	0.0	31.6
S6LIV10R	9540	1.09	1.28	0.0	25.5
S7LIV10R	11137	1.02	1.07	0.0	21.9
S8LIV10R	10171	1.22	1.70	0.0	35.7
S9LIV10R	9300	1.34	2.19	0.0	34.5

S10LIV10R	11938	1.17	1.65	0.0	35.6
S11LIV10R	11256	1.17	1.76	0.0	35.1
S12LIV10R	9976	1.18	1.69	0.0	29.7
S13LIV10R	10713	1.17	1.60	0.0	32.4

How Constructed

Please see General Comments section of "Self-Reported probability of living to age 75" for details of how this item was asked across questionnaires.

RwLIV85 is the Respondent's self-reported probability of living to age 85. For Waves 2A, 3A and from Wave 5 forward the variable measures the self-reported probability of living about another 10 years, and the name of the variables (RwLIV10) reflects this change. Except in Wave 8, for Respondents who are under 70 years old at the particular wave, RwLIV10 is the self-reported probability of living to age 80; for those 70 to 74, it is the probability of living to age 85; and so on. From Wave 8 forward, Respondents under 65 are asked about living to age 85 and those from 65 to 69 are asked about living to age 80. RwLIV10A gives the specific age used in the question, which ranges from 80 to 100, in Waves 2, 3, and Wave 5 forward. In Waves 1 and 4, the question asked about age 85 in all cases.

RwLIV85P is the implied probability from the Vital Statistics life tables that someone of the Respondent's age and gender will live to be 85. RwLIV10P is the implied probability that someone of the Respondent's age and gender will live to be the age used in the Wave 5 question. The life tables used are the annual life tables for the year of the wave, e.g., the 1998 life table is used to derive R4LIV85P and the 2000 life table is used to derive R5LIV10P. For Waves 3A and 3H, an alternate set of life tables, similar to those from the NCHS web page but providing estimates beyond age 85, were taken from the Berkeley Mortality Database. The probability of survival is calculated as the number surviving at age 85 (or 90, 95, or 100) divided by the number surviving to Respondent's age, for males or females, as appropriate.

RwLIV85R is the ratio between RwLIV85 and RwLIV85P. RwLIV10R is the ratio between RwLIV10 and RwLIV10P.

SwLIV85, SwLIV85P, SwLIV85R, SwLIV10, SwLIV10P, and SwLIV10R provide this information for the Respondent's spouse or partner.

In the question preceding the one from which these variables are derived, which asks the chances of living to age 75, if Respondent responds "absolutely no chance" (=0), this variable is set to the same. It is assumed that if the Respondent reports no chance of living to age 75 that s/he would report no chance of living to an older age. If the analyst needs to know the cases where RwLIV85/10 is logically imputed using RwLIV75, s/he can simply check RwLIV75 for a value of zero.

In Wave 1 the Respondent's self-reported probability is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

Otherwise the derivation of RwLIV85 and RwLIV10 simply recodes missing values. It is set to .S if the question is skipped because the interview is by proxy. It is set to .X if the Respondent can not perform the probability question. .D means Don't Know and .R means the Respondent refused to answer the question. For Waves 2H to 4, it is set to .A if skipped because Respondent is older than 75. In Wave 5, it is set to .A if skipped because Respondent is older than 90. Note that in Wave 4, inappropriate skips (Respondent is 66 to 75) appear as other missings (.M).

RwLIV85P and RwLIV10P are calculated from the Vital Statistics life tables, using the Respondent's age and gender, as the probability of living to the target age, 85 and the age used in the Wave 2A, 3A and 5 question, given that the Respondent has lived to her/his current age. The calculation divides the total population at the target age by the total population at the Respondent's current age.

The derivation assigns the ratio, RwLIV85 / RwLIV85P, to RwLIV85R. It assigns the ratio, RwLIV10 / RwLIV10P, to RwLIV10R. The spouse variables are taken from the wave "w" spouse's self-report, e.g., S3LIV85 is taken from the Wave 3 spouse's R3LIV85. Note this variable is also used to measure changes in health across waves. See the Health section of this document for the relevant variables (e.g., RwLIV85C).

In Waves 2A and 3A, the data needed to derive R2LIV85, R2LIV85P, R2LIV85R, R3LIV85, R3LIV85P, and R3LIV85R are not collected. R2LIV85, R2LIV85P, R2LIV85R, R3LIV85, R3LIV85P, and R3LIV85R are set to .Q to indicate that this information is not available for AHEAD Respondents in these waves.

In Waves 2H and 3H, the data needed to derive R2LIV10, R2LIV10P, R2LIV10R, R3LIV10, R3LIV10P, and R3LIV10R are not collected. R2LIV10, R2LIV10P, R2LIV10R, R3LIV10, R3LIV10P, and R3LIV10R are set to .Q to indicate that this information is not available for HRS Respondents in these waves.

Cross Wave Differences in Original HRS Data

In Waves 1 and 2H, the question is asked in the Cognition section. In subsequent waves it is asked in the Expectations section. It always follows a question that asks the chance that the Respondent will live to be 75 or more. If Respondent responds "absolutely no chance" to that question, this question is skipped.

In Wave 1, the question asks: And how about the chances that you will live to be 85 or more?

In Waves 2H to 4, the question is: What is the percent chance that you will live to be 85 or more?

In Waves 2A, 3A and from Wave 5 forward, the question is changed to reflect the chance that Respondent will live about another 10 years. The question wording depends on Respondent's age: "What is the percent chance that you will live to be (80, 85, 90, 95, or 100) or more?" In Waves 2A, 3A, 5, 6, and 7 if Respondent is 69 or less, it uses 80; if 70-74 it uses 85; if 75-79 it uses 90; if 80-84 it uses 95; and if 85-89 it uses 100. In Wave 8 if Respondent is under 65, it uses 85; if 65-69 it uses 80; if 70-74 it uses 85; if 75-79 it uses 90; if 80-84 it uses 95; and if 85-89 it uses 100.

In Wave 1, the responses are on a scale of 0 to 10, with 0 meaning absolutely no chance and 10 meaning absolutely no chance. In subsequent waves responses are scaled from 0 to 100.

In all waves, the question is skipped if the interview is by proxy. In Waves 2H and 3H, this question is skipped if Respondent is older than age 75. In Wave 4, the documentation indicates that the question is skipped if Respondent is older than age 75, but in the data it appears that the question is skipped if Respondent is older than 65. In Wave 2A, 3A and 5, this question is skipped if Respondent is 90 or older.

For AHEAD Respondents in Waves 2A and 3A, the information for R2LIV85, R2LIV85P, R2LIV85R, R3LIV85, R3LIV85P, and R3LIV85R are not available.

For HRS Respondents in Waves 2H and 3H, the information for R2LIV10, R2LIV10P, R2LIV10R, R3LIV10, R3LIV10P, and R3LIV10R are not available.

HRS Variables Used

HRS 1992:	
V5116	L8:FUTR:WILL LIVE TO 85+
AHEAD 1993:	
B114	A1. BIRTH YEAR
B1285	H7. EXPECT LIVE TO AGE
HRS 1994:	
W5840	C7.CHANCE LIVE TO 85
AHEAD 1995:	
D373	R BIRTH YEAR
D3788	H2.EXP:LIVE 5 YR
HRS 1996:	
E3821	H9. CHANCE LIVE TO 85

HRS 1998:	
F4607	H12. CHANCE LIVE TO 85
HRS 2000:	
G1101	A21Y1.R-CURRENT AGE
G5020	H12. CHANCE LIVE TO 85
G514	CS1A.PROXY/SELF INTERVIEW
HRS 2002-2016:	
xA009	PROXY/SELF INTERVIEW
xA019	R CURRENT AGE CALCULATION
xP029	CHANCE R WILL LIVE TO 80/85/90/95/100

Change in Health: Self-reported Mortality Expectations

Wave	Variable	Label	Type
2	R2LIV75C	R2LIV75C:W2 Chg live 75+: R/LfTab ratio	Cont
3	R3LIV75C	R3LIV75C:W3 Chg live 75+: R/LfTab ratio	Cont
4	R4LIV75C	R4LIV75C:W4 Chg live 75+: R/LfTab ratio	Cont
5	R5LIV75C	R5LIV75C:W5 Chg live 75+: R/LfTab ratio	Cont
6	R6LIV75C	R6LIV75C:W6 Chg live 75+: R/LfTab ratio	Cont
7	R7LIV75C	R7LIV75C:W7 Chg live 75+: R/LfTab ratio	Cont
8	R8LIV75C	R8LIV75C:W8 Chg live 75+: R/LfTab ratio	Cont
9	R9LIV75C	R9LIV75C:W9 Chg live 75+: R/LfTab ratio	Cont
10	R10LIV75C	R10LIV75C:W10 Chg live 75+: R/LfTab ratio	Cont
11	R11LIV75C	R11LIV75C:W11 Chg live 75+: R/LfTab ratio	Cont
12	R12LIV75C	R12LIV75C:W12 Chg live 75+: R/LfTab ratio	Cont
13	R13LIV75C	R13LIV75C:W13 Chg live 75+: R/LfTab ratio	Cont
2	S2LIV75C	S2LIV75C:W2 Chg live 75+: R/LfTab ratio	Cont
3	S3LIV75C	S3LIV75C:W3 Chg live 75+: R/LfTab ratio	Cont
4	S4LIV75C	S4LIV75C:W4 Chg live 75+: R/LfTab ratio	Cont
5	S5LIV75C	S5LIV75C:W5 Chg live 75+: R/LfTab ratio	Cont
6	S6LIV75C	S6LIV75C:W6 Chg live 75+: R/LfTab ratio	Cont
7	S7LIV75C	S7LIV75C:W7 Chg live 75+: R/LfTab ratio	Cont
8	S8LIV75C	S8LIV75C:W8 Chg live 75+: R/LfTab ratio	Cont
9	S9LIV75C	S9LIV75C:W9 Chg live 75+: R/LfTab ratio	Cont
10	S10LIV75C	S10LIV75C:W10 Chg live 75+: R/LfTab ratio	Cont
11	S11LIV75C	S11LIV75C:W11 Chg live 75+: R/LfTab ratio	Cont
12	S12LIV75C	S12LIV75C:W12 Chg live 75+: R/LfTab ratio	Cont
13	S13LIV75C	S13LIV75C:W13 Chg live 75+: R/LfTab ratio	Cont
2	R2LIV85C	R2LIV85C:W2 Chg live 85+: R/LfTab ratio	Cont
3	R3LIV85C	R3LIV85C:W3 Chg live 85+: R/LfTab ratio	Cont
4	R4LIV85C	R4LIV85C:W4 Chg live 85+: R/LfTab ratio	Cont
2	S2LIV85C	S2LIV85C:W2 Chg live 85+: R/LfTab ratio	Cont
3	S3LIV85C	S3LIV85C:W3 Chg live 85+: R/LfTab ratio	Cont
4	S4LIV85C	S4LIV85C:W4 Chg live 85+: R/LfTab ratio	Cont
2	R2LIV8XC	R2LIV8XC:W2 Chg live 80-100: R/LfTab ratio	Cont
3	R3LIV8XC	R3LIV8XC:W3 Chg live 80-100: R/LfTab ratio	Cont
4	R4LIV8XC	R4LIV8XC:W4 Chg live 80-100: R/LfTab ratio	Cont
5	R5LIV8XC	R5LIV8XC:W5 Chg live 80-100: R/LfTab ratio	Cont
6	R6LIV8XC	R6LIV8XC:W6 Chg live 80-100: R/LfTab ratio	Cont
7	R7LIV8XC	R7LIV8XC:W7 Chg live 80-100: R/LfTab ratio	Cont
8	R8LIV8XC	R8LIV8XC:W8 Chg live 80-100: R/LfTab ratio	Cont
9	R9LIV8XC	R9LIV8XC:W9 Chg live 80-100: R/LfTab ratio	Cont
10	R10LIV8XC	R10LIV8XC:W10 Chg live 80-100: R/LfTab ratio	Cont
11	R11LIV8XC	R11LIV8XC:W11 Chg live 80-100: R/LfTab ratio	Cont
12	R12LIV8XC	R12LIV8XC:W12 Chg live 80-100: R/LfTab ratio	Cont
13	R13LIV8XC	R13LIV8XC:W13 Chg live 80-100: R/LfTab ratio	Cont
2	S2LIV8XC	S2LIV8XC:W2 Chg live 80-100: R/LfTab ratio	Cont
3	S3LIV8XC	S3LIV8XC:W3 Chg live 80-100: R/LfTab ratio	Cont
4	S4LIV8XC	S4LIV8XC:W4 Chg live 80-100: R/LfTab ratio	Cont
5	S5LIV8XC	S5LIV8XC:W5 Chg live 80-100: R/LfTab ratio	Cont
6	S6LIV8XC	S6LIV8XC:W6 Chg live 80-100: R/LfTab ratio	Cont
7	S7LIV8XC	S7LIV8XC:W7 Chg live 80-100: R/LfTab ratio	Cont
8	S8LIV8XC	S8LIV8XC:W8 Chg live 80-100: R/LfTab ratio	Cont
9	S9LIV8XC	S9LIV8XC:W9 Chg live 80-100: R/LfTab ratio	Cont
10	S10LIV8XC	S10LIV8XC:W10 Chg live 80-100: R/LfTab ratio	Cont
11	S11LIV8XC	S11LIV8XC:W11 Chg live 80-100: R/LfTab ratio	Cont
12	S12LIV8XC	S12LIV8XC:W12 Chg live 80-100: R/LfTab ratio	Cont
13	S13LIV8XC	S13LIV8XC:W13 Chg live 80-100: R/LfTab ratio	Cont
2	R2LIV75F	R2LIV75F:W2 Flag LIV75C, # prv iw	Categ
3	R3LIV75F	R3LIV75F:W3 Flag LIV75C, # prv iw	Categ
4	R4LIV75F	R4LIV75F:W4 Flag LIV75C, # prv iw	Categ
5	R5LIV75F	R5LIV75F:W5 Flag LIV75C, # prv iw	Categ
6	R6LIV75F	R6LIV75F:W6 Flag LIV75C, # prv iw	Categ
7	R7LIV75F	R7LIV75F:W7 Flag LIV75C, # prv iw	Categ

8	R8LIV75F	R8LIV75F:W8 Flag LIV75C, # prv iw	Categ
9	R9LIV75F	R9LIV75F:W9 Flag LIV75C, # prv iw	Categ
10	R10LIV75F	R10LIV75F:W10 Flag LIV75C, # prv iw	Categ
11	R11LIV75F	R11LIV75F:W11 Flag LIV75C, # prv iw	Categ
12	R12LIV75F	R12LIV75F:W12 Flag LIV75C, # prv iw	Categ
13	R13LIV75F	R13LIV75F:W13 Flag LIV75C, # prv iw	Categ
2	S2LIV75F	S2LIV75F:W2 Flag LIV75C, # prv iw	Categ
3	S3LIV75F	S3LIV75F:W3 Flag LIV75C, # prv iw	Categ
4	S4LIV75F	S4LIV75F:W4 Flag LIV75C, # prv iw	Categ
5	S5LIV75F	S5LIV75F:W5 Flag LIV75C, # prv iw	Categ
6	S6LIV75F	S6LIV75F:W6 Flag LIV75C, # prv iw	Categ
7	S7LIV75F	S7LIV75F:W7 Flag LIV75C, # prv iw	Categ
8	S8LIV75F	S8LIV75F:W8 Flag LIV75C, # prv iw	Categ
9	S9LIV75F	S9LIV75F:W9 Flag LIV75C, # prv iw	Categ
10	S10LIV75F	S10LIV75F:W10 Flag LIV75C, # prv iw	Categ
11	S11LIV75F	S11LIV75F:W11 Flag LIV75C, # prv iw	Categ
12	S12LIV75F	S12LIV75F:W12 Flag LIV75C, # prv iw	Categ
13	S13LIV75F	S13LIV75F:W13 Flag LIV75C, # prv iw	Categ
2	R2LIV85F	R2LIV85F:W2 Flag LIV85C, # prv iw	Categ
3	R3LIV85F	R3LIV85F:W3 Flag LIV85C, # prv iw	Categ
4	R4LIV85F	R4LIV85F:W4 Flag LIV85C, # prv iw	Categ
2	S2LIV85F	S2LIV85F:W2 Flag LIV85C, # prv iw	Categ
3	S3LIV85F	S3LIV85F:W3 Flag LIV85C, # prv iw	Categ
4	S4LIV85F	S4LIV85F:W4 Flag LIV85C, # prv iw	Categ
2	R2LIV8XF	R2LIV8XF:W2 Flag LIV8XC, # prv iw	Categ
3	R3LIV8XF	R3LIV8XF:W3 Flag LIV8XC, # prv iw	Categ
4	R4LIV8XF	R4LIV8XF:W4 Flag LIV8XC, # prv iw	Categ
5	R5LIV8XF	R5LIV8XF:W5 Flag LIV8XC, # prv iw	Categ
6	R6LIV8XF	R6LIV8XF:W6 Flag LIV8XC, # prv iw	Categ
7	R7LIV8XF	R7LIV8XF:W7 Flag LIV8XC, # prv iw	Categ
8	R8LIV8XF	R8LIV8XF:W8 Flag LIV8XC, # prv iw	Categ
9	R9LIV8XF	R9LIV8XF:W9 Flag LIV8XC, # prv iw	Categ
10	R10LIV8XF	R10LIV8XF:W10 Flag LIV8XC, # prv iw	Categ
11	R11LIV8XF	R11LIV8XF:W11 Flag LIV8XC, # prv iw	Categ
12	R12LIV8XF	R12LIV8XF:W12 Flag LIV8XC, # prv iw	Categ
13	R13LIV8XF	R13LIV8XF:W13 Flag LIV8XC, # prv iw	Categ
2	S2LIV8XF	S2LIV8XF:W2 Flag LIV8XC, # prv iw	Categ
3	S3LIV8XF	S3LIV8XF:W3 Flag LIV8XC, # prv iw	Categ
4	S4LIV8XF	S4LIV8XF:W4 Flag LIV8XC, # prv iw	Categ
5	S5LIV8XF	S5LIV8XF:W5 Flag LIV8XC, # prv iw	Categ
6	S6LIV8XF	S6LIV8XF:W6 Flag LIV8XC, # prv iw	Categ
7	S7LIV8XF	S7LIV8XF:W7 Flag LIV8XC, # prv iw	Categ
8	S8LIV8XF	S8LIV8XF:W8 Flag LIV8XC, # prv iw	Categ
9	S9LIV8XF	S9LIV8XF:W9 Flag LIV8XC, # prv iw	Categ
10	S10LIV8XF	S10LIV8XF:W10 Flag LIV8XC, # prv iw	Categ
11	S11LIV8XF	S11LIV8XF:W11 Flag LIV8XC, # prv iw	Categ
12	S12LIV8XF	S12LIV8XF:W12 Flag LIV8XC, # prv iw	Categ
13	S13LIV8XF	S13LIV8XF:W13 Flag LIV8XC, # prv iw	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2LIV75C	9483	-0.04	0.41	-1.7	1.7
R3LIV75C	8252	-0.01	0.40	-1.7	1.6
R4LIV75C	6679	-0.03	0.39	-1.6	1.6
R5LIV75C	7595	-0.01	0.36	-1.6	1.5
R6LIV75C	6336	-0.04	0.34	-1.5	1.5
R7LIV75C	5291	-0.04	0.34	-1.6	1.5
R8LIV75C	5979	-0.04	0.36	-1.5	1.5
R9LIV75C	4968	0.01	0.35	-1.6	1.6

R10LIV75C	4192	-0.06	0.35	-1.5	1.5
R11LIV75C	8374	-0.04	0.37	-1.5	1.5
R12LIV75C	7414	-0.01	0.36	-1.4	1.4
R13LIV75C	5824	-0.00	0.37	-1.5	1.4
S2LIV75C	7152	-0.04	0.40	-1.7	1.7
S3LIV75C	6075	0.00	0.40	-1.7	1.6
S4LIV75C	4900	-0.04	0.38	-1.6	1.5
S5LIV75C	5651	-0.01	0.36	-1.6	1.5
S6LIV75C	4699	-0.04	0.34	-1.5	1.5
S7LIV75C	3889	-0.04	0.33	-1.6	1.5
S8LIV75C	4363	-0.04	0.34	-1.5	1.5
S9LIV75C	3539	0.01	0.34	-1.6	1.6
S10LIV75C	2939	-0.06	0.33	-1.5	1.4
S11LIV75C	5457	-0.04	0.35	-1.5	1.5
S12LIV75C	4754	-0.01	0.35	-1.4	1.4
S13LIV75C	3712	0.00	0.36	-1.5	1.4
R2LIV85C	9886	-0.07	0.86	-3.8	3.7
R3LIV85C	8981	0.02	0.83	-3.7	3.6
R4LIV85C	6564	-0.08	0.78	-3.6	3.4
S2LIV85C	7546	-0.08	0.86	-3.8	3.7
S3LIV85C	6774	0.03	0.82	-3.7	3.6
S4LIV85C	4827	-0.10	0.78	-3.6	3.4
R2LIV8XC	89	0.19	1.29	-1.6	7.6
R3LIV8XC	4728	0.04	2.58	-31.8	37.8
R4LIV8XC	50	-0.03	0.64	-1.5	1.3
R5LIV8XC	8202	-0.24	0.75	-3.8	14.3
R6LIV8XC	13088	-0.01	1.44	-31.6	21.9
R7LIV8XC	12570	0.02	1.33	-19.9	20.4
R8LIV8XC	14315	0.23	1.65	-15.1	33.4
R9LIV8XC	13345	0.20	2.12	-33.6	37.5
R10LIV8XC	12329	-0.01	1.97	-34.5	28.5
R11LIV8XC	16578	0.08	1.74	-28.5	31.7
R12LIV8XC	15525	0.05	1.69	-29.4	26.0
R13LIV8XC	13737	0.14	1.85	-23.9	27.8
S2LIV8XC	86	0.19	1.30	-1.6	7.6
S3LIV8XC	2641	-0.00	2.42	-31.8	37.3
S4LIV8XC	38	-0.06	0.67	-1.5	1.2
S5LIV8XC	6069	-0.25	0.74	-3.8	13.1
S6LIV8XC	8741	-0.00	1.23	-31.6	18.1
S7LIV8XC	8271	-0.00	1.13	-19.8	20.4
S8LIV8XC	9392	0.21	1.44	-9.7	33.4
S9LIV8XC	8600	0.15	1.96	-33.6	34.5
S10LIV8XC	7816	-0.03	1.81	-34.5	28.1
S11LIV8XC	10344	0.06	1.64	-28.5	31.7
S12LIV8XC	9408	0.05	1.50	-29.4	24.8
S13LIV8XC	8087	0.11	1.62	-22.3	27.8
R2LIV75F	9483	0.00	0.00	0.0	0.0
R3LIV75F	8252	0.03	0.16	0.0	1.0
R4LIV75F	6679	0.04	0.23	0.0	2.0
R5LIV75F	7595	0.03	0.22	0.0	3.0
R6LIV75F	6336	0.06	0.34	0.0	4.0
R7LIV75F	5291	0.04	0.32	0.0	5.0
R8LIV75F	5979	0.02	0.21	0.0	6.0

R9LIV75F	4968	0.03	0.20	0.0	5.0
R10LIV75F	4192	0.06	0.33	0.0	5.0
R11LIV75F	8374	0.02	0.22	0.0	7.0
R12LIV75F	7414	0.03	0.21	0.0	4.0
R13LIV75F	5824	0.03	0.22	0.0	6.0
S2LIV75F	7152	0.00	0.00	0.0	0.0
S3LIV75F	6075	0.02	0.15	0.0	1.0
S4LIV75F	4900	0.03	0.21	0.0	2.0
S5LIV75F	5651	0.02	0.17	0.0	3.0
S6LIV75F	4699	0.05	0.30	0.0	4.0
S7LIV75F	3889	0.03	0.31	0.0	5.0
S8LIV75F	4363	0.02	0.19	0.0	6.0
S9LIV75F	3539	0.02	0.17	0.0	5.0
S10LIV75F	2939	0.04	0.26	0.0	4.0
S11LIV75F	5457	0.02	0.21	0.0	4.0
S12LIV75F	4754	0.02	0.18	0.0	4.0
S13LIV75F	3712	0.02	0.18	0.0	5.0
R2LIV85F	9886	0.00	0.00	0.0	0.0
R3LIV85F	8981	0.03	0.16	0.0	1.0
R4LIV85F	6564	0.04	0.23	0.0	2.0
S2LIV85F	7546	0.00	0.00	0.0	0.0
S3LIV85F	6774	0.02	0.14	0.0	1.0
S4LIV85F	4827	0.03	0.20	0.0	2.0
R2LIV8XF	89	0.00	0.00	0.0	0.0
R3LIV8XF	4728	0.00	0.01	0.0	1.0
R4LIV8XF	50	0.04	0.20	0.0	1.0
R5LIV8XF	8202	0.04	0.27	0.0	3.0
R6LIV8XF	13088	0.04	0.29	0.0	4.0
R7LIV8XF	12570	0.04	0.29	0.0	5.0
R8LIV8XF	14315	0.03	0.23	0.0	6.0
R9LIV8XF	13345	0.04	0.28	0.0	7.0
R10LIV8XF	12329	0.05	0.37	0.0	8.0
R11LIV8XF	16578	0.03	0.27	0.0	8.0
R12LIV8XF	15525	0.03	0.25	0.0	8.0
R13LIV8XF	13737	0.03	0.21	0.0	7.0
S2LIV8XF	86	0.00	0.00	0.0	0.0
S3LIV8XF	2641	0.00	0.02	0.0	1.0
S4LIV8XF	38	0.05	0.23	0.0	1.0
S5LIV8XF	6069	0.03	0.22	0.0	3.0
S6LIV8XF	8741	0.03	0.26	0.0	4.0
S7LIV8XF	8271	0.03	0.29	0.0	5.0
S8LIV8XF	9392	0.02	0.19	0.0	6.0
S9LIV8XF	8600	0.02	0.22	0.0	7.0
S10LIV8XF	7816	0.04	0.35	0.0	8.0
S11LIV8XF	10344	0.02	0.23	0.0	5.0
S12LIV8XF	9408	0.02	0.19	0.0	6.0
S13LIV8XF	8087	0.02	0.17	0.0	5.0

Categorical Variable Codes

RwLIV75F: Flag LIV75C, # prv iw											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|		1937	2712	14553	11983	11829	14838	12490	12249	17842
.Q=Not applicable this wv	|		8222	7027	152						
0.Used IW-1	|		9483	8024	6496	7463	6095	5163	5899	4837	4044
1.Used IW-2	|			228	120	82	172	79	48	118	84
2.Used IW-3	|				63	33	30	22	23	10	52
3.Used IW-4	|					17	23	14	6	2	6
4.Used IW-5	|						16	7	1		4
5.Used IW-6	|							6	1	1	2
6.Used IW-7	|								1		
7.Used IW-8	|										
Value		w11	w12	w13							
.M=Oth missing	|	12180	11333	15088							
.Q=Not applicable this wv	|										
0.Used IW-1	|	8273	7242	5660							
1.Used IW-2	|	48	147	139							
2.Used IW-3	|	30	15	22							
3.Used IW-4	|	21	6	1							
4.Used IW-5	|	1	4								
5.Used IW-6	|			1							
6.Used IW-7	|			1							
7.Used IW-8	|	1									
SwLIV75F: Flag LIV75C, # prv iw											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|		1589	2233	9027	7079	6940	9083	7372	7107	10574
.Q=Not applicable this wv	|		4549	3704	53						
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		384	322	536	311	220	380	317	365	722
0.Used IW-1	|		7152	5938	4792	5584	4553	3821	4312	3478	2857
1.Used IW-2	|			137	73	43	107	37	30	54	50
2.Used IW-3	|				35	19	18	13	16	6	28
3.Used IW-4	|					5	13	7	4		3
4.Used IW-5	|						8	6			1
5.Used IW-6	|							5		1	
6.Used IW-7	|								1		
Value		w11	w12	w13							
.M=Oth missing	|	7031	6258	8067							
.Q=Not applicable this wv	|										
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.Used IW-1	|	5394	4675	3634							
1.Used IW-2	|	29	65	71							
2.Used IW-3	|	18	9	6							
3.Used IW-4	|	15	3								
4.Used IW-5	|	1	2								
5.Used IW-6	|			1							
6.Used IW-7	|										

RwLIV85F: Flag LIV85C, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		1534	1983	8869						
.Q=Not applicable this wv		8222	7027	5951						
0.Used IW-1		9886	8745	6384						
1.Used IW-2			236	122						
2.Used IW-3				58						

Value	w11	w12	w13
.M=Oth missing			
.Q=Not applicable this wv			
0.Used IW-1			
1.Used IW-2			
2.Used IW-3			

SwLIV85F: Flag LIV85C, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		1195	1534	6353						
.Q=Not applicable this wv		4549	3704	2800						
.U=Unmarried		5968	5657	6868						
.V=Spouse NR		384	322	536						
0.Used IW-1		7546	6629	4721						
1.Used IW-2			145	75						
2.Used IW-3				31						

Value	w11	w12	w13
.M=Oth missing			
.Q=Not applicable this wv			
.U=Unmarried			
.V=Spouse NR			
0.Used IW-1			
1.Used IW-2			
2.Used IW-3			

RwLIV8XF: Flag LIV8XC, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		8133	2299	5901	11376	5077	7559	4154	3872	9705
.Q=Not applicable this wv		11420	10964	15433						
0.Used IW-1		89	4727	48	7975	12758	12306	14086	13024	11998
1.Used IW-2			1	2	141	210	170	139	229	172
2.Used IW-3					62	64	38	67	47	86
3.Used IW-4					24	36	29	10	32	36
4.Used IW-5						20	18	7	5	19
5.Used IW-6							9	4	3	11
6.Used IW-7								2	3	4
7.Used IW-8									2	1
8.Used IW-9										2

Value	w11	w12	w13
.M=Oth missing	3976	3222	7175
.Q=Not applicable this wv			
0.Used IW-1	16313	15222	13441
1.Used IW-2	154	228	244
2.Used IW-3	54	41	41
3.Used IW-4	39	18	6
4.Used IW-5	9	9	
5.Used IW-6	3	2	2
6.Used IW-7	1	4	2
7.Used IW-8	2		1
8.Used IW-9	3	1	

SwLIV8XF: Flag LIV8XC, # prv iw

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		4263	968	2762	6661	2898	4701	2343	2046	5697
.Q=Not applicable this wv		9125	8630	11180						
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	95	536	311	220	380	317	365	722
0.Used IW-1		86	2640	36	5949	8549	8137	9283	8452	7639
1.Used IW-2			1	2	75	128	80	66	114	91
2.Used IW-3					36	34	20	35	20	47
3.Used IW-4					9	21	13	6	7	18
4.Used IW-5						9	13		3	12
5.Used IW-6							8		3	4
6.Used IW-7										3
7.Used IW-8								2		
8.Used IW-9									1	2

Value	w11	w12	w13
.M=Oth missing	2144	1604	3692
.Q=Not applicable this wv			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.Used IW-1	10196	9279	7963
1.Used IW-2	90	96	105
2.Used IW-3	26	19	15
3.Used IW-4	24	8	2
4.Used IW-5	7	5	
5.Used IW-6	1		2
6.Used IW-7		1	
7.Used IW-8			
8.Used IW-9			

How Constructed

The change in health measures were chosen for their consistency across waves. They include measures of overall health, functional limitation summaries, doctor-diagnosed health conditions, and assessment of mortality measures.

They are calculated as the current wave less the previous interview measures. If Respondent missed an interview due to non-response, the change is between the current and the last interview that Respondent did respond to. A flag for each change variable indicates how many interviews were missed prior to the current.

For further discussion of the Change in Health variables see the section titled "Health Change" in the introductory section of this document.

RwLIV75C, RwLIV85C, and RwLIV8XC measure changes in the Respondent's self-reported probability of living to age 75, 85, and an age from 80 to 100, respectively, relative to the probabilities implied by Vital Statistics life tables.

At all waves except Waves 2A and 3A, questions ask the Respondent the probability of living to age 75. In Waves 1, 2H, 3H, and 4, questions also ask the Respondent the probability of living to age 85. For Wave 2A, 3A and from Wave 5 forward the question asks the self-reported probability of living about another 10 years, and the name of the variables (RwLIV10) reflects this change. For Respondents who are under 70 years old at the particular wave, RwLIV10 is the self-reported probability of living to age 80; for those 70 to 74, it is the probability of living to age 85; and so on. In Wave 8, the target age for those under 65 years old is 85.

Based on the Respondent's age and gender, a standard probability of living to 75 and 85, or, in Waves 2A, 3A, and from Wave 5 on, the target age in the question, is derived from the Vital Statistics life tables. RwLIV75R, RwLIV85R (for waves 1, 2H, 3H, and 4) and RwLIV10R (for Waves 2A, 3A, and 5) are the ratios between the self-reported and standard probability, and are derived as the self-report divided by the standard. The change variables are RwLIV75C, RwLIV85C, and RwLIV8XC. RwLIV85C is used when the change is measured between two RwLIV85R variables, and RwLIV8XC is used when the change measure uses any RwLIV10R variable in its derivation. The variables are derived as:

$$\text{RwLIV75C} = \text{RwLIV75R} - \text{RpLIV75R}$$

$$\text{RwLIV85C} = \text{RwLIV85R} - \text{RpLIV85R}, \text{ when both } w \text{ and } p \text{ are Wave 1, 2H, 3H, or 4}$$

$$\text{RwLIV8XC} = \text{RwLIV10R} - \text{RpLIV85R}, \text{ when } w \text{ is Wave 2A, 3A, or 5 and } p \text{ is Wave 1, 2H, 3H, or 4}$$

$$\text{RwLIV8XC} = \text{RwLIV10R} - \text{RpLIV10R}, \text{ when both } w \text{ and } p \text{ are Wave 2A, 3A or 5}$$

$$\text{RwLIV8XC} = \text{RwLIV85R} - \text{RpLIV10R}, \text{ when } w \text{ is Wave 4 and } p \text{ is Wave 2A or 3A}$$

where "w" means current wave and "p" means the previous interview. For example, if an individual responded to Waves 2H and 3H, $\text{R3LIV75C} = \text{R3LIV75R} - \text{R2LIV75R}$. Because of the wording difference in Waves 2A, 3A, and 5, the change measure RwLIV8XC is not very consistent and perhaps not useful.

Not all individuals respond to every interview. Respondents may miss one or more interviews between those they complete. RwLIV75F, RwLIV85F, and RwLIV8XF indicate if there are any missed interviews prior to the current, and if so, how many. In other words, they indicate how far back the previous interview is, from which the change is measured. Their codes are: 0) did not miss the previous interview; change = current - [current-1]; 1) missed the previous interview, but only one; change = current - [current-2]; 2) missed the two previous interviews; change = current - [current-3]; 3) missed the three previous interviews; change = current - [current-4], and so on. If either the current or previous interview measure is missing, change is missing and the flag is set to .M.

For AHEAD entry cohort Respondents in Waves 2 and 3 (2A and 3A), RwLIV75C, RwLIV75F, RwLIV85C, and RwLIV85F are set to .Q to indicate that the information is not available for these Respondents. R4LIV75C, R4LIV75F, R4LIV85C, and R4LIV85F are also set to .Q, since there is no prior wave RwLIV85R available to derive these in Wave 4.

For HRS entry cohort Respondents in Waves 2 and 3 (2H and 3H), RwLIV8XC and RwLIV8XF are set to .Q to indicate that

the information is not applicable for these Respondents. R4LIV8XC and R4LIV8XF are also set to .Q, since for these Respondents no prior wave RwLIV10R variable is available. RwLIV85C and RwLIV85F variables are available instead.

SwLIV75C, SwLIV85C, SwLIV75F, SwLIV85F, and SwLIV8XF are this information for the Respondent's spouse or partner. The spouse variables are taken from the Wave "w" spouse's self-reported information, e.g., S3LIV75C is taken from the Wave 3 spouse's R3LIV75C.

Please see the section on "Self-reported probability of living to age 75" and "Self-reported probability of living to age 85" in section I, "Retirement Plans, Expectations" for a description of the variables from which this change variable is derived.

General Comments

Questions about probability of living to a given age vary between the AHEAD and HRS entry cohorts in Waves 2 and 3, due to the difference in the age of the Respondents. Thus AHEAD Respondents are not asked about living to age 75, since most of them are close to or past that age at the first interview. So for the AHEAD entry cohort in Waves 2A and 3A, RwLIV75 and related variables (RwLIV75R, RwLIV75C, and RwLIV75F) are set to .Q to indicate that the information is not available. If an AHEAD Respondent is 75 or younger, RwLIV75P is set for them; if older than 75, RwLIV75P is set to 100.

In Waves 1, 2H, 3H, and 4 questions ask the Respondent the probability of living to age 85. In Wave 4, few of the AHEAD Respondents are young enough to be asked this question. To accommodate older Respondents, in Waves 2A, 3A, and from Wave 5 forward the question does not always ask the probability of living to age 85, but asks the probability of living to an age from 80 to 100, depending on the Respondent's age. From Wave 5 on, the wording depends on the Respondent's age at the interview. In Waves 2A and 3A, the wording depends on birth year and is the same in both waves, even though Respondents are usually two years older in Wave 3A. So the age used to determine question wording, in these waves, is age in 1993.

These two different versions of the variables are named differently to alert the user to the inconsistencies in the questions. The Wave 1, 2H, 3H, and 4 variables are named RwLIV85, RwLIV85P, and RwLIV85R, while the Wave 2A, 3A, and from Wave 5 forward variables are named RwLIV10 (for 10 or so more years), RwLIV10P, and RwLIV10R. Changes in these probabilities from those given in a previous wave are used to measure change in health status in variables RwLIV75C, RwLIV85C, and R2LIV8XC. If the change uses RwLIV10R in the current or previous wave, then it is assigned to RwLIV8XC. If it uses RwLIV85R in both waves, it is assigned to RwLIV85C.

For AHEAD Respondents in Waves 2 and 3 (2A and 3A), RwLIV85, RwLIV85P, RwLIV85R, RwLIV85C, and RwLIV85F are set to .Q to indicate that this information is unavailable for this cohort in these waves. In addition R4LIV85C and R4LIV85F are set to .Q for these cases, since the information is not available from a prior wave.

For HRS Respondents in Waves 2 and 3 (2H and 3H), RwLIV10, RwLIV10P, RwLIV10R, RwLIV8XC, and RwLIV8XF are set to .Q to indicate that these are inapplicable or unavailable for this cohort in these waves. In addition R4LIV8XC and R4LIV8XF are set to .Q for these cases, since the prior wave information is completely based on RwLIV85 information.

Cross Wave Differences in Original HRS Data

Please see the documentation of the variables used to derive these change-in-health variables for a description of cross-wave differences in the raw HRS data.

Categorical risk aversion: based on the set of "income gamble" questions

Wave	Variable	Label	Type
1	R1RISK	R1RISK:W1 R Income Risk Aversion	Categ
4	R4RISK	R4RISK:W4 R Income Risk Aversion	Categ
5	R5RISK	R5RISK:W5 R Income Risk Aversion	Categ
6	R6RISK	R6RISK:W6 R Income Risk Aversion	Categ
7	R7RISK	R7RISK:W7 R Income Risk Aversion	Categ
8	R8RISK	R8RISK:W8 R Income Risk Aversion	Categ
1	S1RISK	S1RISK:W1 S Income Risk Aversion	Categ
4	S4RISK	S4RISK:W4 S Income Risk Aversion	Categ
5	S5RISK	S5RISK:W5 S Income Risk Aversion	Categ
6	S6RISK	S6RISK:W6 S Income Risk Aversion	Categ
7	S7RISK	S7RISK:W7 S Income Risk Aversion	Categ
8	S8RISK	S8RISK:W8 S Income Risk Aversion	Categ
4	R4RISK6	R4RISK6:W4 R Income Risk Avers/6-categ	Categ
5	R5RISK6	R5RISK6:W5 R Income Risk Avers/6-categ	Categ
6	R6RISK6	R6RISK6:W6 R Income Risk Avers/6-categ	Categ
7	R7RISK6	R7RISK6:W7 R Income Risk Avers/6-categ	Categ
8	R8RISK6	R8RISK6:W8 R Income Risk Avers/6-categ	Categ
4	S4RISK6	S4RISK6:W4 S Income Risk Avers/6-categ	Categ
5	S5RISK6	S5RISK6:W5 S Income Risk Avers/6-categ	Categ
6	S6RISK6	S6RISK6:W6 S Income Risk Avers/6-categ	Categ
7	S7RISK6	S7RISK6:W7 S Income Risk Avers/6-categ	Categ
8	S8RISK6	S8RISK6:W8 S Income Risk Avers/6-categ	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RISK	11707	3.28	1.09	1.0	4.0
R4RISK	5149	3.25	1.09	1.0	4.0
R5RISK	1375	3.31	1.07	1.0	4.0
R6RISK	6141	3.29	1.06	1.0	4.0
R7RISK	2974	3.28	1.05	1.0	4.0
R8RISK	6443	3.32	1.04	1.0	4.0
S1RISK	9086	3.29	1.08	1.0	4.0
S4RISK	3599	3.26	1.08	1.0	4.0
S5RISK	865	3.31	1.05	1.0	4.0
S6RISK	4580	3.27	1.07	1.0	4.0
S7RISK	2070	3.30	1.04	1.0	4.0
S8RISK	4734	3.34	1.02	1.0	4.0
R4RISK6	5117	4.64	1.59	1.0	6.0
R5RISK6	1359	4.73	1.54	1.0	6.0
R6RISK6	6093	4.66	1.54	1.0	6.0
R7RISK6	2956	4.64	1.51	1.0	6.0
R8RISK6	6414	4.70	1.48	1.0	6.0
S4RISK6	3582	4.64	1.55	1.0	6.0
S5RISK6	859	4.71	1.51	1.0	6.0
S6RISK6	4546	4.63	1.54	1.0	6.0
S7RISK6	2058	4.66	1.49	1.0	6.0
S8RISK6	4712	4.72	1.45	1.0	6.0

[illegible]

3.2nd most risk averse |
 4. Most risk averse |

RwRISK6: R Income Risk Avers/6-categ

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked						9467		10380		
.B=Skip,not selected				8631	15926					
.C=Cohort skipped				4984			15198			
.D=DK				335	160	406	113	325		
.M=Oth missing				123	3	24	15	28		
.R=RF				151	68	139	45	62		
.S=Skip, proxy IW				2043	2062	2036	1802	1260		
1.Least risk averse				323	71	363	157	283		
2.2nd least risk averse				375	95	378	199	426		
3.3rd least risk averse				483	122	590	271	628		
4.3rd most risk averse				773	196	954	519	980		
5.2nd most risk averse				863	239	1160	601	1349		
6. Most risk averse				2300	636	2648	1209	2748		

Value	w11	w12	w13
.A=65+,not asked			
.B=Skip,not selected			
.C=Cohort skipped			
.D=DK			
.M=Oth missing			
.R=RF			
.S=Skip, proxy IW			
1.Least risk averse			
2.2nd least risk averse			
3.3rd least risk averse			
4.3rd most risk averse			
5.2nd most risk averse			
6. Most risk averse			

SwRISK6: S Income Risk Avers/6-categ

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked						5368		5948		
.B=Skip,not selected				6308	10358					
.C=Cohort skipped				2365			9616			
.D=DK				165	65	265	68	222		
.M=Oth missing				76		13	3	17		
.R=RF				77	38	88	24	44		
.S=Skip, proxy IW				1407	1410	1359	1203	792		
.U=Unmarried				6868	6537	6306	6777	6417		
.V=Spouse NR				536	311	220	380	317		
1.Least risk averse				196	40	273	105	192		
2.2nd least risk averse				275	66	284	133	303		
3.3rd least risk averse				337	69	464	172	455		
4.3rd most risk averse				577	139	733	376	741		
5.2nd most risk averse				633	159	883	427	1029		
6. Most risk averse				1564	386	1909	845	1992		

Value	w11	w12	w13
.A=65+,not asked			
.B=Skip,not selected			
.C=Cohort skipped			
.D=DK			

.M=Oth missing	|
.R=RF	|
.S=Skip, proxy IW	|
.U=Unmarried	|
.V=Spouse NR	|
1.Least risk averse	|
2.2nd least risk averse	|
3.3rd least risk averse	|
4.3rd most risk averse	|
5.2nd most risk averse	|
6.Most risk averse	|

How Constructed

In these questions Respondent is asked to choose between pairs of jobs where one guarantees current family income and the other offers a chance to increase income but also carries the risk of loss of income. If Respondent says s/he would take the risk, the same scenario but with riskier odds is presented. If Respondent says s/he would not take the risk, the same scenario with less risky odds is asked.

In Wave 1, the pair of jobs presented are a hypothetical current job and a new one. From Wave 4 forward, the pair of jobs presented are both new jobs, given that Respondent will need to move and find a new job. These questions are not asked in Waves 2 and 3.

The variable RWRISK is set using the following four levels, listed from least to most risk-averse:

1. Respondent would take a job with even chances of doubling income or cutting it in half.
2. Respondent would take a job with even chances of doubling income or cutting it by a third.
3. Respondent would take a job with even chances of doubling income or cutting it 20%.
4. Respondent would take or stay in the job that guaranteed current income given any of the above alternatives.

From Waves 4 forward, additional questions are asked that allow two more categories:

- 1a. Less risk-averse than 1 above: Respondent would take a job with even chances of doubling income or cutting it by 75%.
- 4a. Between categories 3 and 4 above: Respondent would take a job with even chances of doubling income or cutting it by 10%.

These additional categories are used to derive RWRISK6. To allow comparison with Wave 1, RWRISK6 is recoded to the 4-category RWRISK variable. Respondents in category 1a are considered least risk-averse and those in 3a are considered most risk-averse in RWRISK. Thus codes 1 and 2 in RWRISK6 variable correspond to 1, codes 5 and 6 in RWRISK6 correspond to 4, and, codes 3 and 4 in RWRISK6 correspond to 2 and 3, respectively, in RWRISK.

These questions are not asked if the interview is by proxy. RWRISK and RWRISK6 are set to .S for proxy interviews.

From Wave 4 forward, Respondents are selected to answer these questions or not, based on a combination of their cohort, age, and/or random selection. Please see the "Cross-Wave Differences" for the variations across waves. If Respondent is not asked these questions by interview design, then RWRISK and RWRISK6 are set to .A, .B, or .C if skipped because of age, random selection, or cohort, respectively.

The spouse variable is taken from the Wave 1 spouse's self-report, i.e., from the spouse's R1RISK.

Cross Wave Differences in Original HRS Data

In wave 1 the question wording is: "Suppose that you are the only income earner in the family, and you have a good job guaranteed to give you your current (family) income every year for life. You are given the opportunity to take a new and equally good job, with a 50-50 chance it will double your (family) income and a 50-50 chance that it will cut your (family) income by a third. Would you take the new job?"

If yes, then: "Suppose the chances were 50-50 that it would double your (family) income, and 50-50 that it would cut it in half. Would you still take the new job?"

If no, then: "Suppose the chances were 50-50 that it would double your (family) income and 50-50 that it would cut it by 20 percent. Would you then take the new job?"

In Waves 2 and 3, these questions are not asked.

From Wave 4 forward the question wording is: "Suppose that you are the only income earner in the family. Your doctor recommends that you move because of allergies, and you have to choose between two possible jobs. The first would guarantee your current total family income for life. The second is possibly better paying, but the income is also less certain. There is a 50-50 chance the second job would double your total lifetime income and a 50-50 chance that it would cut it by a third. Which job would you take – the first job or the second job?"

If first job is chosen in the first question, then: "Suppose the chances were 50-50 that the second job would double your lifetime income and 50-50 that it would cut it by twenty percent. Would you take the first job or the second job?"

If first job is chosen in the second question again, then: "Suppose the chances were 50-50 that the second job would double your lifetime income and 50-50 that it would cut it by 10 percent. Would you take the first job or the second job?"

If second job is chosen in the first question, then: "Suppose the chances were 50-50 that the second job would double your lifetime income, and 50-50 that it would cut it in half. Would you take the first job or the second job?"

If second job is chosen in the second question again, then: "Suppose the chances were 50-50 that the second job would double your lifetime income and 50-50 that it would cut it by seventy-five percent. Would you take the first job or the second job?"

In all waves these questions are skipped if the interview is by proxy. Otherwise the sample asked these questions varies across waves.

In Wave 1, all self-reporting Respondents are asked these questions.

In Wave 4, AHEAD cohort Respondents are not asked, but all self-reporting CODA and War Babies Respondents are, along with all new HRS cohort spouses. One of ten HRS cohort Respondents is also randomly selected for these questions.

In Wave 5, the questionnaire indicates that Respondents are selected based on whether they were asked the question in 1998 and their experimental module assignment in 1996, in addition to random selection among those under 65. But the criteria involving 1998 and 1996 does not appear to be accurate, nor is the selection based on age. It appears instead that one of twelve Respondents is randomly selected for these questions, regardless of age. All entry cohort subsamples are eligible for selection.

In Waves 6 and 8 if person is 65 or older the questions are skipped. Otherwise, all other self-reporting Respondents are asked these questions.

In Wave 7 only the new EBB cohort is asked the questions.

In Wave 9 and forward, these questions are not asked.

HRS Variables Used

HRS 1992:	
V5122	L14:TAKE CHANCE NEW JOB
V5123	L14A:B:CHANCE NEW JOB
HRS 1998:	
F4560	RISK AVERSION RANDOM NUMBER
F4614	H18. RISK AVERSION-1
F4615	H18A. RISK AVERSION-2
F4616	H18B. RISK AVERSION-3
F4617	H18C. RISK AVERSION-4
F4618	H18D. RISK AVERSION-5
HRS 2000:	
G220	PR220.PREV WAVE MODULE # - UPDATED
G5027	H18. RISK AVERSION-1
G5033	H18A. RISK AVERSION-2
G5034	H18B. RISK AVERSION-3
G5035	H18C. RISK AVERSION-4
G5036	H18D. RISK AVERSION-5
HRS 2002-2006:	
xP036	RISK AVERSION ON THE JOB - 1
xP037	RISK AVERSION ON THE JOB - 2
xP038	RISK AVERSION ON THE JOB - 3
xP039	RISK AVERSION ON THE JOB - 4
xP040	RISK AVERSION ON THE JOB - 5

Financial planning horizon

Wave	Variable	Label	Type
1	R1FINPLN	R1FINPLN:W1 R Financial planning horizon	Categ
4	R4FINPLN	R4FINPLN:W4 R Financial planning horizon	Categ
5	R5FINPLN	R5FINPLN:W5 R Financial planning horizon	Categ
6	R6FINPLN	R6FINPLN:W6 R Financial planning horizon	Categ
7	R7FINPLN	R7FINPLN:W7 R Financial planning horizon	Categ
8	R8FINPLN	R8FINPLN:W8 R Financial planning horizon	Categ
11	R11FINPLN	R11FINPLN:W11 R Financial planning horizon	Categ
12	R12FINPLN	R12FINPLN:W12 R Financial planning horizon	Categ
13	R13FINPLN	R13FINPLN:W13 R Financial planning horizon	Categ
1	S1FINPLN	S1FINPLN:W1 S Financial planning horizon	Categ
4	S4FINPLN	S4FINPLN:W4 S Financial planning horizon	Categ
5	S5FINPLN	S5FINPLN:W5 S Financial planning horizon	Categ
6	S6FINPLN	S6FINPLN:W6 S Financial planning horizon	Categ
7	S7FINPLN	S7FINPLN:W7 S Financial planning horizon	Categ
8	S8FINPLN	S8FINPLN:W8 S Financial planning horizon	Categ
11	S11FINPLN	S11FINPLN:W11 S Financial planning horizon	Categ
12	S12FINPLN	S12FINPLN:W12 S Financial planning horizon	Categ
13	S13FINPLN	S13FINPLN:W13 S Financial planning horizon	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FINPLN	11626	2.98	1.23	1.0	5.0
R4FINPLN	5255	3.18	1.29	1.0	5.0
R5FINPLN	1451	3.10	1.26	1.0	5.0
R6FINPLN	6323	3.15	1.24	1.0	5.0
R7FINPLN	17004	2.97	1.27	1.0	5.0
R8FINPLN	16205	3.02	1.25	1.0	5.0
R11FINPLN	9259	3.10	1.33	1.0	5.0
R12FINPLN	13843	3.14	1.29	1.0	5.0
R13FINPLN	4320	3.17	1.38	1.0	5.0
S1FINPLN	9051	3.04	1.20	1.0	5.0
S4FINPLN	3630	3.29	1.22	1.0	5.0
S5FINPLN	907	3.17	1.23	1.0	5.0
S6FINPLN	4704	3.22	1.21	1.0	5.0
S7FINPLN	11174	3.09	1.23	1.0	5.0
S8FINPLN	10463	3.17	1.20	1.0	5.0
S11FINPLN	6084	3.15	1.29	1.0	5.0
S12FINPLN	8429	3.23	1.25	1.0	5.0
S13FINPLN	2391	3.23	1.36	1.0	5.0

RwFINPLN: R Financial planning horizon											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked							9467				
.B=Skip,not selected					8631	15926					
.C=Cohort skipped					4984						
.D=DK		147			272	108	260	1074	879		
.M=Oth missing		238			123	3	24	80	18		
.P=Answered prev wv											
.R=RF					76	28	55	169	107		
.S=Skip, proxy IW		641			2043	2062	2036	1802	1260		
.X=Can not do Prob Q											
1.Next few months		2187			902	254	989	3235	2821		
2.Next year		1257			515	167	738	2416	2312		
3.Next few years		3832			1301	378	1733	4808	4463		
4.Next 5-10 years		3317			1803	487	2081	4746	4893		
5.Longer than 10 years		1033			734	165	782	1799	1716		
Value		w11	w12	w13							
.A=65+,not asked		9847									
.B=Skip,not selected											
.C=Cohort skipped											
.D=DK		157	388	58							
.M=Oth missing		26		84							
.P=Answered prev wv			3184	15271							
.R=RF		33	81	19							
.S=Skip, proxy IW		1146	1049	941							
.X=Can not do Prob Q		86	202	219							
1.Next few months		1730	2289	863							
2.Next year		1134	1743	438							
3.Next few years		2276	3694	900							
4.Next 5-10 years		2719	4042	1347							
5.Longer than 10 years		1400	2075	772							
SwFINPLN: S Financial planning horizon											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,not asked							5368				
.B=Skip,not selected					6308	10358					
.C=Cohort skipped					2365						
.D=DK		90			162	42	161	489	425		
.M=Oth missing		149			76		13	27	5		
.P=Answered prev wv											
.R=RF					32	13	34	79	50		
.S=Skip, proxy IW		610			1407	1410	1359	1203	792		
.U=Unmarried		2373			6868	6537	6306	6777	6417		
.V=Spouse NR		379			536	311	220	380	317		
.X=Can not do Prob Q											
1.Next few months		1523			497	140	627	1741	1420		
2.Next year		980			326	100	526	1488	1315		
3.Next few years		3029			950	241	1329	3247	3019		
4.Next 5-10 years		2688			1329	320	1616	3433	3501		
5.Longer than 10 years		831			528	106	606	1265	1208		
Value		w11	w12	w13							
.A=65+,not asked		5583									
.B=Skip,not selected											
.C=Cohort skipped											

.D=DK	|	96	180	25
.M=Oth missing	|	7		28
.P=Answered prev wv	|		1696	8704
.R=RF	|	19	32	8
.S=Skip, proxy IW	|	649	589	526
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Can not do Prob Q	|	50	86	97
1.Next few months	|	1008	1184	437
2.Next year	|	733	965	231
3.Next few years	|	1565	2341	527
4.Next 5-10 years	|	1868	2625	747
5.Longer than 10 years	|	910	1314	449

How Constructed

RwFINPLN is derived from the question: In planning your family's saving and spending, which time period is most important to you? RwFINPLN simply recodes missings from the HRS variable. It is set to .S if skipped because the interview is by proxy.

In Waves 4 and 5, Respondents are selected to answer this question or not, based on a combination of their cohort and random selection. If Respondent is not asked this question by interview design, then RwFINPLN is set to .B or .C, indicating selection based on random selection or cohort, respectively.

In Waves 6 and, this question generally is not asked if Respondent is 65 or older. If skipped due to Respondent's age, RwFINPLN is set to .A.

In Waves 11 forward, Respondents who had difficulty with the first few probabilities in the Expectations module skip these questions and are coded as .X (see RwANS3PQ variable).

In Wave 12, some Respondents were skipped if they were not a new Respondent. In these cases, RwFINPLN is set to .P, indicating the Respondent had responded in a previous wave.

Beginning Wave 13, the question is only asked to new Respondents on alternative waves. For Respondents from previous waves who were not asked the question, RwFINPLN is set to .P.

The spouse variable is taken from the Wave "w" spouse's self-report, i.e., from the spouse's RwFINPLN.

Cross Wave Differences in Original HRS Data

In all waves, this question is skipped if the interview is by proxy. Otherwise the sample asked this question varies across waves.

In Wave 1, all self-reporting Respondents are asked this question.

In Waves 2 and 3, these questions are not asked.

In Wave 4, AHEAD cohort Respondents are not asked, but all self-reporting CODA and War Babies Respondents are, along with all new HRS cohort spouses. One of ten HRS cohort Respondents is also randomly selected for these questions.

In Wave 5, the questionnaire indicates that Respondents are selected based on whether they were asked the question in 1998 and their experimental module assignment in 1996, in addition to random selection among those under 65. But the criteria involving 1998 and 1996 does not appear to be accurate, nor is the selection based on age. It appears instead that one of twelve Respondents is randomly selected for these questions, regardless of age. All entry cohort subsamples are eligible for selection.

In Wave 6, the questions are skipped if person is 65 or older. Otherwise, all other self-reporting Respondents are asked this

question.

In Waves 7 and 8, all Respondents are asked this question.

In Waves 9 and 10, this question is not asked.

In Wave 11, this question generally is asked of self-reporting Respondents under age 65 who were able to answer the first three probability questions in the Expectations module.

In Wave 12, this question is asked of most self-reporting Respondents who were able to answer the first three probability questions in the Expectations module. In some cases, this question was skipped for Respondents who appeared in earlier waves.

Beginning Wave 13, the question is only asked to new self-reporting Respondents on alternative waves. The respondents must also have been able to answer the first three probability questions in the Expectations module to be asked the question.

HRS Variables Used

HRS 1992:	
V5124	L15:IMPORT FIN PLAN TIME
HRS 1998:	
F4560	RISK AVERSION RANDOM NUMBER
F4619	H19. PLANNING/SAVING/SPENDING
HRS 2000:	
G220	PR220.PREV WAVE MODULE # - UPDATED
G5037	H19. PLANNING/SAVING/SPENDING
HRS 2002:	
HP041	FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2004:	
JP041	FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2006:	
KP041	FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2012:	
NP041	FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2014:	
OP041	FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN
HRS 2016:	
PP041	FAM FINANCIAL TIMELINE - SAVE/SPEND/PLAN

Did Respondent respond to at least the first three probability questions

Wave	Variable	Label	Type
3	R3ANS3PQ	R3ANS3PQ:W3 R answered the first three probability questions	Categ
4	R4ANS3PQ	R4ANS3PQ:W4 R answered the first three probability questions	Categ
5	R5ANS3PQ	R5ANS3PQ:W5 R answered the first three probability questions	Categ
6	R6ANS3PQ	R6ANS3PQ:W6 R answered the first three probability questions	Categ
7	R7ANS3PQ	R7ANS3PQ:W7 R answered the first three probability questions	Categ
8	R8ANS3PQ	R8ANS3PQ:W8 R answered the first three probability questions	Categ
9	R9ANS3PQ	R9ANS3PQ:W9 R answered the first three probability questions	Categ
10	R10ANS3PQ	R10ANS3PQ:W10 R answered the first three probability questions	Categ
11	R11ANS3PQ	R11ANS3PQ:W11 R answered the first three probability questions	Categ
12	R12ANS3PQ	R12ANS3PQ:W12 R answered the first three probability questions	Categ
13	R13ANS3PQ	R13ANS3PQ:W13 R answered the first three probability questions	Categ
3	S3ANS3PQ	S3ANS3PQ:W3 S answered the first three probability questions	Categ
4	S4ANS3PQ	S4ANS3PQ:W4 S answered the first three probability questions	Categ
5	S5ANS3PQ	S5ANS3PQ:W5 S answered the first three probability questions	Categ
6	S6ANS3PQ	S6ANS3PQ:W6 S answered the first three probability questions	Categ
7	S7ANS3PQ	S7ANS3PQ:W7 S answered the first three probability questions	Categ
8	S8ANS3PQ	S8ANS3PQ:W8 S answered the first three probability questions	Categ
9	S9ANS3PQ	S9ANS3PQ:W9 S answered the first three probability questions	Categ
10	S10ANS3PQ	S10ANS3PQ:W10 S answered the first three probability questions	Categ
11	S11ANS3PQ	S11ANS3PQ:W11 S answered the first three probability questions	Categ
12	S12ANS3PQ	S12ANS3PQ:W12 S answered the first three probability questions	Categ
13	S13ANS3PQ	S13ANS3PQ:W13 S answered the first three probability questions	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R3ANS3PQ	6110	0.95	0.21	0.0	1.0
R4ANS3PQ	19292	0.98	0.14	0.0	1.0
R5ANS3PQ	17482	0.98	0.15	0.0	1.0
R6ANS3PQ	16128	0.98	0.14	0.0	1.0
R7ANS3PQ	18270	0.99	0.12	0.0	1.0
R8ANS3PQ	17209	0.97	0.16	0.0	1.0
R9ANS3PQ	16060	0.98	0.14	0.0	1.0
R10ANS3PQ	20398	0.99	0.09	0.0	1.0
R11ANS3PQ	19359	0.99	0.12	0.0	1.0
R12ANS3PQ	17647	0.99	0.11	0.0	1.0
R13ANS3PQ	19844	0.99	0.10	0.0	1.0
S3ANS3PQ	3179	0.97	0.17	0.0	1.0
S4ANS3PQ	12564	0.99	0.12	0.0	1.0
S5ANS3PQ	11315	0.98	0.13	0.0	1.0
S6ANS3PQ	10280	0.99	0.12	0.0	1.0
S7ANS3PQ	11746	0.99	0.09	0.0	1.0
S8ANS3PQ	10943	0.98	0.14	0.0	1.0
S9ANS3PQ	9985	0.98	0.13	0.0	1.0
S10ANS3PQ	12553	0.99	0.09	0.0	1.0
S11ANS3PQ	11830	0.99	0.10	0.0	1.0
S12ANS3PQ	10408	0.99	0.09	0.0	1.0
S13ANS3PQ	11218	0.99	0.09	0.0	1.0

Categorical Variable Codes

RwANS3PQ: R answered the first three probability questions											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|			16	49	34	1	57		17	254
.Q=Not asked this wv	|			10964							
.S=Skip,question not asked	|			901	2043	2062	2036	1802	1260	1140	1382
0.No	|			276	389	429	341	252	437	333	183
1.Yes	|			5834	18903	17053	15787	18018	16772	15727	20215
Value		w11	w12	w13							
.M=Oth missing	|	49	51	127							
.Q=Not asked this wv	|										
.S=Skip,question not asked	|	1146	1049	941							
0.No	|	277	202	219							
1.Yes	|	19082	17445	19625							
SwANS3PQ: S answered the first three probability questions											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|			4	9	5		23		4	143
.Q=Not asked this wv	|			8630							
.S=Skip,question not asked	|			426	1407	1410	1359	1203	792	657	817
.U=Unmarried	|			5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|			95	536	311	220	380	317	365	722
0.No	|			93	188	193	139	105	226	167	99
1.Yes	|			3086	12376	11122	10141	11641	10717	9818	12454
Value		w11	w12	w13							
.M=Oth missing	|	9	15	35							
.Q=Not asked this wv	|										
.S=Skip,question not asked	|	649	589	526							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No	|	122	86	97							
1.Yes	|	11708	10322	11121							

How Constructed

In Wave 3A and from Wave 4 onwards, in the Expectations section, Respondents are asked a series of probability questions. They are asked how likely a certain scenario is and reports a probability (0-100).

If Respondent responds don't know or refused to answer the first three probability questions, then the rest of the section is skipped. RwANS3PQ is set to "1" if the Respondent successfully responded to at least the first three probability question and "0" if not. If the Respondent skipped the entire section then RwANS3PQ is set to .M. It is set to .S if skipped because the interview is by proxy.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwANS3PQ.

Cross Wave Differences in Original HRS Data

In Wave 1, 2 and 3H the questions are not asked.

In Wave 3A we use the three questions specified in the questionnaire to determine if Respondent answered the probability questions. In Waves 4 to 8, we simply re-code a raw HRS variable that tells us if Respondent responded to the first three probability questions.

In Wave 9 and beyond, we use two counts to calculate if Respondent responded to the first three probability questions. This first is a count of the number of questions the Respondent was asked and the second is a count of the number of questions the Respondent reported don't know or refused.

In Wave 3H, the values are set to .Q, to indicate that no information is available.

HRS Variables Used

AHEAD 1995:

D3786	H0.INTRO
D3787	H1.EXP:INC-INFLATION
D3789	H3.EXP:MED COSTS

HRS 1998:

F4577	H_CHK2.PROBABILITY SCALE CHECKPOINT
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HRS 2000:

G4990	H_CHKPT1.PROBABILITY SCALE CHECKPOINT
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HRS 2002:

HP009	CHECKPOINT - R CAN DO PROBABILITY SCALES
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HRS 2004:

JP009	CHECKPOINT - R CAN DO PROBABILITY SCALES
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HRS 2006:

KP009	CHECKPOINT - R CAN DO PROBABILITY SCALES
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HRS 2012:

NP009	R CAN DO PROBABILITY SCALES
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HRS 2014:

OP009	R CAN DO PROBABILITY SCALES
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HRS 2016:

PP009	R CAN DO PROBABILITY SCALES
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HRS 2008-2010:

xP155	NUMBER OF PERCENT RANGE QUESTIONS ASKED
xP156	NUMBER OF PERCENT RANGE QUESTIONS ANSWERED DK OR RF

Self-reported probability of receiving an inheritance

Wave	Variable	Label	Type
2	R2INHER	R2INHER:W2 R Prob inheritance nxt 10 yr	Cont
3	R3INHER	R3INHER:W3 R Prob inheritance nxt 10 yr	Cont
4	R4INHER	R4INHER:W4 R Prob inheritance nxt 10 yr	Cont
5	R5INHER	R5INHER:W5 R Prob inheritance nxt 10 yr	Cont
6	R6INHER	R6INHER:W6 R Prob inheritance nxt 10 yr	Cont
7	R7INHER	R7INHER:W7 R Prob inheritance nxt 10 yr	Cont
8	R8INHER	R8INHER:W8 R Prob inheritance nxt 10 yr	Cont
2	S2INHER	S2INHER:W2 S Prob inheritance nxt 10 yr	Cont
3	S3INHER	S3INHER:W3 S Prob inheritance nxt 10 yr	Cont
4	S4INHER	S4INHER:W4 S Prob inheritance nxt 10 yr	Cont
5	S5INHER	S5INHER:W5 S Prob inheritance nxt 10 yr	Cont
6	S6INHER	S6INHER:W6 S Prob inheritance nxt 10 yr	Cont
7	S7INHER	S7INHER:W7 S Prob inheritance nxt 10 yr	Cont
8	S8INHER	S8INHER:W8 S Prob inheritance nxt 10 yr	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2INHER	10480	21.50	34.25	0.0	100.0
R3INHER	9965	20.26	34.37	0.0	100.0
R4INHER	18687	14.07	30.11	0.0	100.0
R5INHER	16880	14.02	29.72	0.0	100.0
R6INHER	15556	12.35	28.31	0.0	100.0
R7INHER	17817	13.86	29.16	0.0	100.0
R8INHER	16538	14.39	29.69	0.0	100.0
S2INHER	7944	23.28	35.19	0.0	100.0
S3INHER	7474	22.15	35.56	0.0	100.0
S4INHER	12254	17.11	32.55	0.0	100.0
S5INHER	11020	17.20	32.24	0.0	100.0
S6INHER	10017	15.12	30.81	0.0	100.0
S7INHER	11534	16.66	31.49	0.0	100.0
S8INHER	10596	18.06	32.48	0.0	100.0

How Constructed

This question is not asked in Wave 1, 2A or 3A. From Wave 2H forward, Respondent's self-reported probability is given on a 0-100 scale. RWINHER simply recodes missing values. It is set to .S if the question is skipped because the interview is by proxy.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RWINHER.

In Waves 2A and 3A, the data needed to derive R2INHER and R3INHER are not collected. R2INHER and R3INHER are set to .Q to indicate that this information is not available for AHEAD Respondents in these waves.

From Wave 9 forward, the data is not collected and so the variable is dropped for these waves.

Cross Wave Differences in Original HRS Data

The question is not asked in Wave 1, 2A or 3A. In Wave 2H it is asked in the Cognition section. From Wave 3H forward, it is asked in the Expectations section.

Through Wave 7, the question asks: "And how about the chances that you will receive an inheritance within the next 10 years?"

In Wave 8, the question changes, particularly for those in a couple household. It is: "(Not counting anything you might give or leave to each other,) what are the chances that you (or your [husband/wife/partner]) will receive an inheritance during the next 10 years?"

For AHEAD Respondents in Waves 2A and 3A, the information for R2INHER and R3INHER are not available.

From Wave 9 forward, this question is not asked.

HRS Variables Used

HRS 1994:	
W5845	C11.CHANCE RECEIVE INHER
HRS 1996:	
E3827	H12.RECEIVE INHERIT.
HRS 1998:	
F4576	H3. RECEIVE INHERIT.
HRS 2000:	
G4989	H3. RCV INHERIT
G514	CS1A.PROXY/SELF INTERVIEW
HRS 2002-2006:	
xA009	PROXY/SELF INTERVIEW
xP008	WILL R RECEIVE ANY INHERITANCE NEXT 10YR

Self-reported probability of leaving a bequest

Wave	Variable	Label	Type
1	R1BEQLRG	R1BEQLRG:W1 R Prob leave sizable bequest	Categ
1	S1BEQLRG	S1BEQLRG:W1 S Prob leave sizable bequest	Categ
2	R2BEQ10K	R2BEQ10K:W2 R Prob leave bequest 10K+	Cont
3	R3BEQ10K	R3BEQ10K:W3 R Prob leave bequest 10K+	Cont
4	R4BEQ10K	R4BEQ10K:W4 R Prob leave bequest 10K+	Cont
5	R5BEQ10K	R5BEQ10K:W5 R Prob leave bequest 10K+	Cont
6	R6BEQ10K	R6BEQ10K:W6 R Prob leave bequest 10K+	Cont
7	R7BEQ10K	R7BEQ10K:W7 R Prob leave bequest 10K+	Cont
8	R8BEQ10K	R8BEQ10K:W8 R Prob leave bequest 10K+	Cont
9	R9BEQ10K	R9BEQ10K:W9 R Prob leave bequest 10K+	Cont
10	R10BEQ10K	R10BEQ10K:W10 R Prob leave bequest 10K+	Cont
11	R11BEQ10K	R11BEQ10K:W11 R Prob leave bequest 10K+	Cont
12	R12BEQ10K	R12BEQ10K:W12 R Prob leave bequest 10K+	Cont
13	R13BEQ10K	R13BEQ10K:W13 R Prob leave bequest 10K+	Cont
2	S2BEQ10K	S2BEQ10K:W2 S Prob leave bequest 10K+	Cont
3	S3BEQ10K	S3BEQ10K:W3 S Prob leave bequest 10K+	Cont
4	S4BEQ10K	S4BEQ10K:W4 S Prob leave bequest 10K+	Cont
5	S5BEQ10K	S5BEQ10K:W5 S Prob leave bequest 10K+	Cont
6	S6BEQ10K	S6BEQ10K:W6 S Prob leave bequest 10K+	Cont
7	S7BEQ10K	S7BEQ10K:W7 S Prob leave bequest 10K+	Cont
8	S8BEQ10K	S8BEQ10K:W8 S Prob leave bequest 10K+	Cont
9	S9BEQ10K	S9BEQ10K:W9 S Prob leave bequest 10K+	Cont
10	S10BEQ10K	S10BEQ10K:W10 S Prob leave bequest 10K+	Cont
11	S11BEQ10K	S11BEQ10K:W11 S Prob leave bequest 10K+	Cont
12	S12BEQ10K	S12BEQ10K:W12 S Prob leave bequest 10K+	Cont
13	S13BEQ10K	S13BEQ10K:W13 S Prob leave bequest 10K+	Cont
2	R2BEQ100	R2BEQ100:W2 R Prob leave bequest 100K+	Cont
3	R3BEQ100	R3BEQ100:W3 R Prob leave bequest 100K+	Cont
4	R4BEQ100	R4BEQ100:W4 R Prob leave bequest 100K+	Cont
5	R5BEQ100	R5BEQ100:W5 R Prob leave bequest 100K+	Cont
6	R6BEQ100	R6BEQ100:W6 R Prob leave bequest 100K+	Cont
7	R7BEQ100	R7BEQ100:W7 R Prob leave bequest 100K+	Cont
8	R8BEQ100	R8BEQ100:W8 R Prob leave bequest 100K+	Cont
9	R9BEQ100	R9BEQ100:W9 R Prob leave bequest 100K+	Cont
10	R10BEQ100	R10BEQ100:W10 R Prob leave bequest 100K+	Cont
11	R11BEQ100	R11BEQ100:W11 R Prob leave bequest 100K+	Cont
12	R12BEQ100	R12BEQ100:W12 R Prob leave bequest 100K+	Cont
13	R13BEQ100	R13BEQ100:W13 R Prob leave bequest 100K+	Cont
2	S2BEQ100	S2BEQ100:W2 S Prob leave bequest 100K+	Cont
3	S3BEQ100	S3BEQ100:W3 S Prob leave bequest 100K+	Cont
4	S4BEQ100	S4BEQ100:W4 S Prob leave bequest 100K+	Cont
5	S5BEQ100	S5BEQ100:W5 S Prob leave bequest 100K+	Cont
6	S6BEQ100	S6BEQ100:W6 S Prob leave bequest 100K+	Cont
7	S7BEQ100	S7BEQ100:W7 S Prob leave bequest 100K+	Cont
8	S8BEQ100	S8BEQ100:W8 S Prob leave bequest 100K+	Cont
9	S9BEQ100	S9BEQ100:W9 S Prob leave bequest 100K+	Cont
10	S10BEQ100	S10BEQ100:W10 S Prob leave bequest 100K+	Cont
11	S11BEQ100	S11BEQ100:W11 S Prob leave bequest 100K+	Cont
12	S12BEQ100	S12BEQ100:W12 S Prob leave bequest 100K+	Cont
13	S13BEQ100	S13BEQ100:W13 S Prob leave bequest 100K+	Cont
6	R6BEQ500	R6BEQ500:W6 R Prob leave bequest 500K+	Cont
7	R7BEQ500	R7BEQ500:W7 R Prob leave bequest 500K+	Cont
8	R8BEQ500	R8BEQ500:W8 R Prob leave bequest 500K+	Cont
9	R9BEQ500	R9BEQ500:W9 R Prob leave bequest 500K+	Cont
10	R10BEQ500	R10BEQ500:W10 R Prob leave bequest 500K+	Cont
11	R11BEQ500	R11BEQ500:W11 R Prob leave bequest 500K+	Cont
12	R12BEQ500	R12BEQ500:W12 R Prob leave bequest 500K+	Cont
13	R13BEQ500	R13BEQ500:W13 R Prob leave bequest 500K+	Cont
6	S6BEQ500	S6BEQ500:W6 S Prob leave bequest 500K+	Cont

7	S7BEQ500	S7BEQ500:W7 S Prob leave bequest 500K+	Cont
8	S8BEQ500	S8BEQ500:W8 S Prob leave bequest 500K+	Cont
9	S9BEQ500	S9BEQ500:W9 S Prob leave bequest 500K+	Cont
10	S10BEQ500	S10BEQ500:W10 S Prob leave bequest 500K+	Cont
11	S11BEQ500	S11BEQ500:W11 S Prob leave bequest 500K+	Cont
12	S12BEQ500	S12BEQ500:W12 S Prob leave bequest 500K+	Cont
13	S13BEQ500	S13BEQ500:W13 S Prob leave bequest 500K+	Cont
2	R2BEQANY	R2BEQANY:W2 R Prob leave bequest any	Cont
3	R3BEQANY	R3BEQANY:W3 R Prob leave bequest any	Cont
4	R4BEQANY	R4BEQANY:W4 R Prob leave bequest any	Cont
5	R5BEQANY	R5BEQANY:W5 R Prob leave bequest any	Cont
6	R6BEQANY	R6BEQANY:W6 R Prob leave bequest any	Cont
7	R7BEQANY	R7BEQANY:W7 R Prob leave bequest any	Cont
8	R8BEQANY	R8BEQANY:W8 R Prob leave bequest any	Cont
9	R9BEQANY	R9BEQANY:W9 R Prob leave bequest any	Cont
10	R10BEQANY	R10BEQANY:W10 R Prob leave bequest any	Cont
11	R11BEQANY	R11BEQANY:W11 R Prob leave bequest any	Cont
12	R12BEQANY	R12BEQANY:W12 R Prob leave bequest any	Cont
13	R13BEQANY	R13BEQANY:W13 R Prob leave bequest any	Cont
2	S2BEQANY	S2BEQANY:W2 S Prob leave bequest any	Cont
3	S3BEQANY	S3BEQANY:W3 S Prob leave bequest any	Cont
4	S4BEQANY	S4BEQANY:W4 S Prob leave bequest any	Cont
5	S5BEQANY	S5BEQANY:W5 S Prob leave bequest any	Cont
6	S6BEQANY	S6BEQANY:W6 S Prob leave bequest any	Cont
7	S7BEQANY	S7BEQANY:W7 S Prob leave bequest any	Cont
8	S8BEQANY	S8BEQANY:W8 S Prob leave bequest any	Cont
9	S9BEQANY	S9BEQANY:W9 S Prob leave bequest any	Cont
10	S10BEQANY	S10BEQANY:W10 S Prob leave bequest any	Cont
11	S11BEQANY	S11BEQANY:W11 S Prob leave bequest any	Cont
12	S12BEQANY	S12BEQANY:W12 S Prob leave bequest any	Cont
13	S13BEQANY	S13BEQANY:W13 S Prob leave bequest any	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1BEQLRG	12368	3.43	1.38	1.0	5.0
S1BEQLRG	9778	3.36	1.37	1.0	5.0
R2BEQ10K	16870	61.69	42.52	0.0	100.0
R3BEQ10K	15406	63.97	41.81	0.0	100.0
R4BEQ10K	18347	67.98	39.98	0.0	100.0
R5BEQ10K	16612	69.57	39.08	0.0	100.0
R6BEQ10K	15315	68.94	39.33	0.0	100.0
R7BEQ10K	17566	67.12	39.27	0.0	100.0
R8BEQ10K	16281	68.95	39.71	0.0	100.0
R9BEQ10K	15260	69.66	38.99	0.0	100.0
R10BEQ10K	19646	63.32	40.05	0.0	100.0
R11BEQ10K	18602	62.76	39.79	0.0	100.0
R12BEQ10K	16996	62.80	39.67	0.0	100.0
R13BEQ10K	19144	62.22	40.17	0.0	100.0
S2BEQ10K	11385	67.81	39.72	0.0	100.0
S3BEQ10K	10359	70.49	38.61	0.0	100.0
S4BEQ10K	12091	74.11	36.19	0.0	100.0
S5BEQ10K	10893	75.44	35.10	0.0	100.0
S6BEQ10K	9906	74.91	35.46	0.0	100.0
S7BEQ10K	11380	73.12	35.67	0.0	100.0
S8BEQ10K	10446	75.33	35.72	0.0	100.0

S9BEQ10K	9568	75.96	34.66	0.0	100.0
S10BEQ10K	12166	68.74	37.32	0.0	100.0
S11BEQ10K	11431	67.78	37.34	0.0	100.0
S12BEQ10K	10097	68.28	36.91	0.0	100.0
S13BEQ10K	10877	67.64	37.54	0.0	100.0
R2BEQ100	16336	32.34	40.94	0.0	100.0
R3BEQ100	14912	35.19	41.97	0.0	100.0
R4BEQ100	18126	40.01	42.99	0.0	100.0
R5BEQ100	16398	43.46	43.30	0.0	100.0
R6BEQ100	15071	43.99	43.24	0.0	100.0
R7BEQ100	17361	43.96	42.85	0.0	100.0
R8BEQ100	16086	48.43	43.84	0.0	100.0
R9BEQ100	15072	48.06	43.72	0.0	100.0
R10BEQ100	19443	42.49	42.09	0.0	100.0
R11BEQ100	18422	41.13	41.58	0.0	100.0
R12BEQ100	16867	42.14	41.58	0.0	100.0
R13BEQ100	18981	41.99	41.79	0.0	100.0
S2BEQ100	11081	37.40	41.75	0.0	100.0
S3BEQ100	10088	40.53	42.54	0.0	100.0
S4BEQ100	11946	46.24	43.01	0.0	100.0
S5BEQ100	10755	49.95	42.85	0.0	100.0
S6BEQ100	9751	50.87	42.62	0.0	100.0
S7BEQ100	11254	50.73	42.27	0.0	100.0
S8BEQ100	10330	55.71	42.51	0.0	100.0
S9BEQ100	9452	55.44	42.41	0.0	100.0
S10BEQ100	12044	48.19	41.62	0.0	100.0
S11BEQ100	11334	46.94	41.31	0.0	100.0
S12BEQ100	10028	48.46	41.10	0.0	100.0
S13BEQ100	10783	48.12	41.32	0.0	100.0
R6BEQ500	14922	16.27	30.88	0.0	100.0
R7BEQ500	17247	16.91	31.19	0.0	100.0
R8BEQ500	15970	20.61	34.27	0.0	100.0
R9BEQ500	14926	19.97	33.82	0.0	100.0
R10BEQ500	19339	17.88	31.22	0.0	100.0
R11BEQ500	18314	16.73	30.20	0.0	100.0
R12BEQ500	16778	18.47	31.32	0.0	100.0
R13BEQ500	18890	18.57	31.52	0.0	100.0
S6BEQ500	9643	19.87	33.05	0.0	100.0
S7BEQ500	11167	20.21	33.05	0.0	100.0
S8BEQ500	10257	24.66	36.03	0.0	100.0
S9BEQ500	9359	23.98	35.55	0.0	100.0
S10BEQ500	11975	20.98	32.80	0.0	100.0
S11BEQ500	11265	19.69	31.74	0.0	100.0
S12BEQ500	9980	21.82	32.91	0.0	100.0
S13BEQ500	10726	22.01	33.02	0.0	100.0
R2BEQANY	6594	53.42	42.09	0.0	100.0
R3BEQANY	12146	66.13	42.15	0.0	100.0
R4BEQANY	12128	76.89	40.69	0.0	100.0
R5BEQANY	10523	78.22	40.12	0.0	100.0
R6BEQANY	9567	78.36	40.03	0.0	100.0
R7BEQANY	10280	75.75	41.68	0.0	100.0
R8BEQANY	10361	77.20	41.07	0.0	100.0
R9BEQANY	9334	77.34	40.91	0.0	100.0
R10BEQANY	10452	71.36	43.98	0.0	100.0

R11BEQANY	9590	70.67	44.34	0.0	100.0
R12BEQANY	8614	71.02	44.11	0.0	100.0
R13BEQANY	9979	70.13	44.43	0.0	100.0
S2BEQANY	3564	60.34	40.20	0.0	100.0
S3BEQANY	7825	74.16	38.42	0.0	100.0
S4BEQANY	7755	84.62	34.67	0.0	100.0
S5BEQANY	6678	86.14	33.35	0.0	100.0
S6BEQANY	6023	86.25	33.34	0.0	100.0
S7BEQANY	6448	83.86	35.68	0.0	100.0
S8BEQANY	6516	85.34	34.57	0.0	100.0
S9BEQANY	5663	86.09	33.73	0.0	100.0
S10BEQANY	6154	79.18	39.55	0.0	100.0
S11BEQANY	5590	78.31	40.09	0.0	100.0
S12BEQANY	4857	79.22	39.56	0.0	100.0
S13BEQANY	5379	77.76	40.35	0.0	100.0

Categorical Variable Codes

RwBEQLRG: R Prob leave sizable bequest

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	67									
.M=Oth missing	|	95									
.R=RF	|	122									
1.Yes,definitely	|	1564									
2.Yes,probably	|	1998									
3.Yes,possibly	|	1934									
4.Probably not	|	3329									
5.No,definitely	|	3543									

Value		w11	w12	w13
.D=DK	|			
.M=Oth missing	|			
.R=RF	|			
1.Yes,definitely	|			
2.Yes,probably	|			
3.Yes,possibly	|			
4.Probably not	|			
5.No,definitely	|			

SwBEQLRG: S Prob leave sizable bequest											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	52									
.R=RF	|	70									
.U=Unmarried	|	2373									
.V=Spouse NR	|	379									
1.Yes, definitely	|	1254									
2.Yes, probably	|	1708									
3.Yes, possibly	|	1574									
4.Probably not	|	2700									
5.No, definitely	|	2542									

Value		w11	w12	w13
.D=DK	|			
.R=RF	|			
.U=Unmarried	|			
.V=Spouse NR	|			
1.Yes, definitely	|			
2.Yes, probably	|			
3.Yes, possibly	|			
4.Probably not	|			
5.No, definitely	|			

How Constructed

In Wave 1, Respondent is asked to rate on a 5-point scale whether s/he expects to leave a "large" bequest. The HRS variable is simply recoded for missings. Beginning in Wave 2, Respondent is asked to give the probability that s/he will leave a bequest of \$10,000 or more. If the probability is greater than zero, s/he is asked for the probability of leaving a bequest of \$100,000 or more. If that probability is greater than zero, beginning in Wave 6, s/he is asked for the probability of leaving a bequest of \$500,000 or more. In Wave 3H, and from Wave 4 forward an additional question is asked if Respondent gives a zero probability to the first question. Respondent is asked for the probability of leaving any bequest.

In Wave 2A and 3A, Respondent is asked for the probability of leaving any bequest before being asked the subsequent 10K and 100K questions.

In Wave 2A and from Wave 3 forward, probabilities are given on a 0-100 scale. They are simply recoded for missings, and set to .S if the interview is by proxy. If Respondent reports a 0 probability of leaving a \$10,000 bequest then RwBEQ100 is set to zero. If Respondent reports a non-zero probability of leaving a \$10,000 request, the "any" bequest variable in waves 3H and from Wave 4 forward is skipped. In this case, RwBEQANY is set to .Y (skipped/asked 10K) unless it is 100 percent chance.

In Waves 2A and 3A, if Respondent reports a zero probability of leaving an "any" bequest variable then the 10K and 100K questions are skipped. In these cases RwBEQ10K and RwBEQ100 are set to zero.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's R1BEQLRG, RwBEQ10K, RwBEQ100, RwBEQ500 and RwBEQANY.

In Wave 2H, the data needed to derive R2BEQANY are not collected. R2BEQANY is set to .Q to indicate that this information is not available for HRS Respondents in this wave.

Cross Wave Differences in Original HRS Data

In Wave 1 the question is at the end of Section M (Net worth other than housing) and asks: "Do you [and your (spouse/partner)] expect to leave a sizeable inheritance to your heirs?" The answers are given in a 5-point scale from 1=Yes, definitely to 5=No, definitely not.

In Wave 2H two questions are asked in the Cognition section:

- 1) "And what are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling \$10,000 or more?"
- 2) "What are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling \$100,000 or more."

Answers are given as a 0-100 probability. The second question is skipped if the answer to the first is 0=absolutely no chance.

In Wave 3H the same two questions are asked in the Expectations section, and if Respondent responds "absolutely no chance" to the first, another is asked:

- 3) "What are the chances that you (and your (spouse/partner)) will leave any inheritance?"

In Wave 2A and 3A three questions are asked in the Expectations section:

- 1) "What are the chances that you [or your (husband/wife/partner)] will leave any inheritance?"
- 2) "And what are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling \$10,000 or more?"
- 3) "What are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling \$100,000 or more?"

Answers are given as a 0-100 probability. The second or third question is skipped if the answer to the previous is 0=absolutely no chance or .S. The third question is also skipped if probability given to the second question is 30 percent or less.

From Wave 4 to Wave 7, the questions are also asked in the Expectations section, and the first question wording is slightly different:

- 1) "Including property and other valuables that you might own, what are the chances that you [and your (husband/wife/partner)] will leave an inheritance totalling \$10,000 or more?"

From Wave 6 forward, an additional question is asked:

"What are the chances that you [or your (husband/wife/partner)] will leave an inheritance totalling \$500,000 or more?"

From Wave 8 forward, the question is prefaced by the following:

"Think about an inheritance you (and your (husband/wife/partner) might leave (but not including any inheritance you might leave to each other)."

In Waves 4 to 7, the second and third questions are the same as in Wave 3H. From Wave 8 forward, the second and third questions are the same, except that they are prefaced by the word "And."

From Wave 2 forward, these questions are skipped if the interview is by proxy.

For HRS Respondents in Wave 2H, the information for R2BEQANY is not available.

HRS Variables Used

HRS 1992:	
V5349	M44:WILL LEAV LRG INHERT
AHEAD 1993:	
B1277	H3. EXPECT LEAVE INHERITANCE
B1279	H3a. EXPECT LEAVE AT LEAST \$10K
B1280	H3b. EXPECT LEAVE AT LEAST \$100K
HRS 1994:	
W5843	C10.CHANCE LEAVE INHERIT
W5844	C10a.CHANCE LEAVE INHERI
AHEAD 1995:	
D3796	H7.EXP:LEAVE INHERIT
D3797	H7A.EXP:LEAVE-\$20K
D3798	H7B.EXP:LEAVE-\$100K
HRS 1996:	
E3824	H11. LEAVE INHERIT. 10K
E3825	H11A. LEAVE INHERIT. 100K
E3826	H11B.LEAVE ANY INHERIT
HRS 1998:	
F4572	H2. LEAVE INHERIT. 10K
F4574	H2A. LEAVE INHERIT. 100K
F4575	H2B. LEAVE ANY INHERIT
HRS 2000:	
G4985	H2. LEAVE INHERIT-10K
G4987	H2A. LEAVE INHERIT-100K
G4988	H2B. LEAVE ANY INHERIT
G514	CS1A.PROXY/SELF INTERVIEW
HRS 2002-2016:	
xA009	PROXY/SELF INTERVIEW
xP005	WILL R LEAVE INHERITANCE - \$10K
xP006	WILL R LEAVE INHERITANCE - \$100K
xP007	WILL R LEAVE ANY INHERITANCE
xP059	CHANCE R/SP LEAVE INHERIT OF \$500K/MORE

Self-reported probability of working full-time after age 62

Wave	Variable	Label	Type
1	R1WORK62	R1WORK62:W1 R Prob working FT after 62	Cont
2	R2WORK62	R2WORK62:W2 R Prob working FT after 62	Cont
3	R3WORK62	R3WORK62:W3 R Prob working FT after 62	Cont
4	R4WORK62	R4WORK62:W4 R Prob working FT after 62	Cont
5	R5WORK62	R5WORK62:W5 R Prob working FT after 62	Cont
6	R6WORK62	R6WORK62:W6 R Prob working FT after 62	Cont
7	R7WORK62	R7WORK62:W7 R Prob working FT after 62	Cont
8	R8WORK62	R8WORK62:W8 R Prob working FT after 62	Cont
9	R9WORK62	R9WORK62:W9 R Prob working FT after 62	Cont
10	R10WORK62	R10WORK62:W10 R Prob working FT after 62	Cont
11	R11WORK62	R11WORK62:W11 R Prob working FT after 62	Cont
12	R12WORK62	R12WORK62:W12 R Prob working FT after 62	Cont
13	R13WORK62	R13WORK62:W13 R Prob working FT after 62	Cont
1	S1WORK62	S1WORK62:W1 S Prob working FT after 62	Cont
2	S2WORK62	S2WORK62:W2 S Prob working FT after 62	Cont
3	S3WORK62	S3WORK62:W3 S Prob working FT after 62	Cont
4	S4WORK62	S4WORK62:W4 S Prob working FT after 62	Cont
5	S5WORK62	S5WORK62:W5 S Prob working FT after 62	Cont
6	S6WORK62	S6WORK62:W6 S Prob working FT after 62	Cont
7	S7WORK62	S7WORK62:W7 S Prob working FT after 62	Cont
8	S8WORK62	S8WORK62:W8 S Prob working FT after 62	Cont
9	S9WORK62	S9WORK62:W9 S Prob working FT after 62	Cont
10	S10WORK62	S10WORK62:W10 S Prob working FT after 62	Cont
11	S11WORK62	S11WORK62:W11 S Prob working FT after 62	Cont
12	S12WORK62	S12WORK62:W12 S Prob working FT after 62	Cont
13	S13WORK62	S13WORK62:W13 S Prob working FT after 62	Cont
2	R2WORK62F	R2WORK62F:W2 Logical Skip Flag: P62	Cont
3	R3WORK62F	R3WORK62F:W3 Logical Skip Flag: P62	Cont
4	R4WORK62F	R4WORK62F:W4 Logical Skip Flag: P62	Cont
5	R5WORK62F	R5WORK62F:W5 Logical Skip Flag: P62	Cont
6	R6WORK62F	R6WORK62F:W6 Logical Skip Flag: P62	Cont
7	R7WORK62F	R7WORK62F:W7 Logical Skip Flag: P62	Cont
8	R8WORK62F	R8WORK62F:W8 Logical Skip Flag: P62	Cont
9	R9WORK62F	R9WORK62F:W9 Logical Skip Flag: P62	Cont
10	R10WORK62F	R10WORK62F:W10 Logical Skip Flag: P62	Cont
11	R11WORK62F	R11WORK62F:W11 Logical Skip Flag: P62	Cont
12	R12WORK62F	R12WORK62F:W12 Logical Skip Flag: P62	Cont
13	R13WORK62F	R13WORK62F:W13 Logical Skip Flag: P62	Cont
2	S2WORK62F	S2WORK62F:W2 Logical Skip Flag: P62	Cont
3	S3WORK62F	S3WORK62F:W3 Logical Skip Flag: P62	Cont
4	S4WORK62F	S4WORK62F:W4 Logical Skip Flag: P62	Cont
5	S5WORK62F	S5WORK62F:W5 Logical Skip Flag: P62	Cont
6	S6WORK62F	S6WORK62F:W6 Logical Skip Flag: P62	Cont
7	S7WORK62F	S7WORK62F:W7 Logical Skip Flag: P62	Cont
8	S8WORK62F	S8WORK62F:W8 Logical Skip Flag: P62	Cont
9	S9WORK62F	S9WORK62F:W9 Logical Skip Flag: P62	Cont
10	S10WORK62F	S10WORK62F:W10 Logical Skip Flag: P62	Cont
11	S11WORK62F	S11WORK62F:W11 Logical Skip Flag: P62	Cont
12	S12WORK62F	S12WORK62F:W12 Logical Skip Flag: P62	Cont
13	S13WORK62F	S13WORK62F:W13 Logical Skip Flag: P62	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK62	7943	47.36	39.27	0.0	100.0
R2WORK62	8647	34.04	38.24	0.0	100.0
R3WORK62	4629	46.42	40.21	0.0	100.0

R4WORK62	5408	46.59	39.43	0.0	100.0
R5WORK62	4270	50.66	39.18	0.0	100.0
R6WORK62	3178	51.65	38.67	0.0	100.0
R7WORK62	4496	51.27	36.28	0.0	100.0
R8WORK62	5189	40.85	38.36	0.0	100.0
R9WORK62	4374	45.62	39.71	0.0	100.0
R10WORK62	8918	42.94	37.57	0.0	100.0
R11WORK62	7616	42.19	37.32	0.0	100.0
R12WORK62	6183	42.16	37.70	0.0	100.0
R13WORK62	8620	44.21	38.00	0.0	100.0
S1WORK62	6203	46.28	39.07	0.0	100.0
S2WORK62	6435	33.14	37.71	0.0	100.0
S3WORK62	3502	43.82	39.77	0.0	100.0
S4WORK62	4056	44.52	38.90	0.0	100.0
S5WORK62	3274	48.72	39.06	0.0	100.0
S6WORK62	2420	49.93	38.45	0.0	100.0
S7WORK62	3350	49.99	36.04	0.0	100.0
S8WORK62	3818	41.28	38.07	0.0	100.0
S9WORK62	3148	45.89	39.29	0.0	100.0
S10WORK62	5817	44.08	37.03	0.0	100.0
S11WORK62	5054	43.79	36.89	0.0	100.0
S12WORK62	4054	43.59	37.04	0.0	100.0
S13WORK62	5148	45.65	37.49	0.0	100.0
R2WORK62F	19642	0.08	0.27	0.0	1.0
R3WORK62F	17991	0.00	0.01	0.0	1.0
R4WORK62F	21384	0.00	0.02	0.0	1.0
R5WORK62F	19578	0.00	0.01	0.0	1.0
R6WORK62F	18165	0.00	0.00	0.0	0.0
R7WORK62F	20129	0.00	0.01	0.0	1.0
R8WORK62F	18469	0.00	0.02	0.0	1.0
R9WORK62F	17217	0.04	0.18	0.0	1.0
R10WORK62F	22034	0.05	0.22	0.0	1.0
R11WORK62F	20554	0.05	0.22	0.0	1.0
R12WORK62F	18747	0.05	0.22	0.0	1.0
R13WORK62F	20912	0.06	0.23	0.0	1.0
S2WORK62F	13090	0.08	0.27	0.0	1.0
S3WORK62F	11917	0.00	0.01	0.0	1.0
S4WORK62F	13980	0.00	0.02	0.0	1.0
S5WORK62F	12730	0.00	0.02	0.0	1.0
S6WORK62F	11639	0.00	0.00	0.0	0.0
S7WORK62F	12972	0.00	0.01	0.0	1.0
S8WORK62F	11735	0.00	0.02	0.0	1.0
S9WORK62F	10646	0.04	0.19	0.0	1.0
S10WORK62F	13513	0.04	0.21	0.0	1.0
S11WORK62F	12488	0.05	0.21	0.0	1.0
S12WORK62F	11012	0.04	0.21	0.0	1.0
S13WORK62F	11779	0.05	0.21	0.0	1.0

How Constructed

In Wave 1 the Respondent's self-reported probability of working full-time after age 62 is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

If the Respondent answers "absolutely no chance" to a previous question about the chances of working in the future, the probability of working full-time after age 62 question is skipped but we set it to zero and the logical imputation flag `RwWORK62F` is set to 1.

Otherwise this variable simply recodes missing values.

`RwWORK62` is set to `.A` if skipped because Respondent is already age 62. Note that the HRS documentation indicates that this question is asked of 62-year olds in Waves 4 to 6, but many of these cases are coded 996-already 62. In these waves `RwWORK62` is set to `.A` if age is over 62 or if age 62 with code 996. It is set to `.W` if the question is skipped because Respondent is not working, and to `.S` if skipped because the interview is by proxy. It is set to `.X` if the Respondent cannot perform the probability question. `.D` means Don't Know and `.R` means the Respondent refused to answer the question. If the HRS variable contains a valid probability it is assigned regardless of the Respondent's age, work status, or proxy status.

Respondents who had difficulty with the first few probabilities in the expectations module skip these questions and are coded as `.X`.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to `.Q`, to indicate that no information is available.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's `RwWORK62`.

Cross Wave Differences in Original HRS Data

In Wave 1, the question is in the Employment section and asks: "Thinking about work generally and not just your present job, what do you think are the chances that you will be working full-time after you reach age 62?" It is skipped if Respondent is not currently working for pay.

In Wave 2H, the question is in the Cognition section and is skipped if the Respondent is not working for pay and says that there is no chance they will work for pay in the future. The question wording is the same as in Wave 1 if Respondent is currently working or believes they may work in the future. The phrase "Think about work generally and not just your present job" is dropped if Respondent is not working.

From Wave 3H forward, the question is asked in the Expectations section and the "Think about . . ." phrase is dropped if Respondent is self-employed. From Wave 3H to Wave 7, the question is skipped if Respondent is not currently working for pay. From Wave 8, the question is asked whether Respondent is working or not.

From Wave 2H forward, the question is skipped if the interview is by proxy. If Respondent answers "absolutely no chance" to a previous question about the chances of working in the future the question is also skipped.

From Waves 2H, 3H, and from Wave 7 forward, it is skipped if the Respondent is age 62 or older. In Waves 4 to 6, it is asked if the Respondent is age 62 and skipped if older than 62. For many of the age 62 Respondents in these waves the code 996 indicates that they are already 62.

In Wave 1, the answers range from 0=absolutely no chance to 10=absolutely certain. From Wave 2H forward, the answers range from 0=absolutely no chance to 100=absolutely certain.

In Wave 2A and 3A, there are no comparable questions and for AHEAD Respondents, the values are set to `.Q`, to indicate that no information is available.

In Wave 8, 722 Respondents reported zero to the probability of working in the future but then were asked the probability of working at age 62 in error. 710 reported zero to the probability of working until age 62. Therefore, the logical skip flag was not set for these cases. This accounts for the low means in `R8WORK62F`.

In Wave 9, 1400 Respondents are given an opportunity to change their response if they said there was a 0 or 100 percent probability

they would be working at age 62. These follow-on questions ask if the Respondent is certain their answer is accurate and if not, asks for another estimate. We do not include these amended answers in RwWORK62 but these variables are available on the 2008 RAND HRS Fat File and the skip pattern can be found in the questionnaire on the HRS website.

In Wave 10, 3599 Respondents are given an opportunity to change their answer. The selection process is more complicated but again, we do not use this data in R10WORK62. These variables are available on the 2010 RAND HRS Fat Files and the skip pattern can be found in the questionnaire on the HRS website. So it is possible for someone to be missing RwWORK62 but have a value in RwWORK65 due to changing their answer and getting asked the probability of working at age 65 question.

In Wave 11, the questionnaire reverts back to the questions asked in Wave 8. There is no opportunity to change an answer and the skip logic is applied correctly so the flag (R11WORK62F) is in line with other waves.

HRS Variables Used

HRS 1992:	
V3208	F71:RATE:WRK FT AT AG 62
HRS 1994:	
W5803	CF103a.PROBABILITY WORK
W5804	CFA104.PROB WORK FULL-TI
HRS 1996:	
E3790	H3A.LIKELIHOOD WORK IN FUTURE
E3796	H4. WORK AFTER 62
HRS 1998:	
F4585	H6. WORK FUTURE
F4589	H7. WORK AFTER 62
HRS 2000:	
G4998	H6. WORK FUTURE
G5002	H7. WORK AFTER 62
HRS 2002-2016:	
xP016	LIKELIHOOD R WILL WORK FOR PAY
xP017	LIKELIHOOD R WILL WORK AFTER AGE 62

Self-reported probability of working full-time after age 65

Wave	Variable	Label	Type
1	R1WORK65	R1WORK65:W1 R Prob working FT after 65	Cont
2	R2WORK65	R2WORK65:W2 R Prob working FT after 65	Cont
3	R3WORK65	R3WORK65:W3 R Prob working FT after 65	Cont
4	R4WORK65	R4WORK65:W4 R Prob working FT after 65	Cont
5	R5WORK65	R5WORK65:W5 R Prob working FT after 65	Cont
6	R6WORK65	R6WORK65:W6 R Prob working FT after 65	Cont
7	R7WORK65	R7WORK65:W7 R Prob working FT after 65	Cont
8	R8WORK65	R8WORK65:W8 R Prob working FT after 65	Cont
9	R9WORK65	R9WORK65:W9 R Prob working FT after 65	Cont
10	R10WORK65	R10WORK65:W10 R Prob working FT after 65	Cont
11	R11WORK65	R11WORK65:W11 R Prob working FT after 65	Cont
12	R12WORK65	R12WORK65:W12 R Prob working FT after 65	Cont
13	R13WORK65	R13WORK65:W13 R Prob working FT after 65	Cont
1	S1WORK65	S1WORK65:W1 S Prob working FT after 65	Cont
2	S2WORK65	S2WORK65:W2 S Prob working FT after 65	Cont
3	S3WORK65	S3WORK65:W3 S Prob working FT after 65	Cont
4	S4WORK65	S4WORK65:W4 S Prob working FT after 65	Cont
5	S5WORK65	S5WORK65:W5 S Prob working FT after 65	Cont
6	S6WORK65	S6WORK65:W6 S Prob working FT after 65	Cont
7	S7WORK65	S7WORK65:W7 S Prob working FT after 65	Cont
8	S8WORK65	S8WORK65:W8 S Prob working FT after 65	Cont
9	S9WORK65	S9WORK65:W9 S Prob working FT after 65	Cont
10	S10WORK65	S10WORK65:W10 S Prob working FT after 65	Cont
11	S11WORK65	S11WORK65:W11 S Prob working FT after 65	Cont
12	S12WORK65	S12WORK65:W12 S Prob working FT after 65	Cont
13	S13WORK65	S13WORK65:W13 S Prob working FT after 65	Cont
2	R2WORK65F	R2WORK65F:W2 Logical Skip Flag: P65	Cont
3	R3WORK65F	R3WORK65F:W3 Logical Skip Flag: P65	Cont
4	R4WORK65F	R4WORK65F:W4 Logical Skip Flag: P65	Cont
5	R5WORK65F	R5WORK65F:W5 Logical Skip Flag: P65	Cont
6	R6WORK65F	R6WORK65F:W6 Logical Skip Flag: P65	Cont
7	R7WORK65F	R7WORK65F:W7 Logical Skip Flag: P65	Cont
8	R8WORK65F	R8WORK65F:W8 Logical Skip Flag: P65	Cont
9	R9WORK65F	R9WORK65F:W9 Logical Skip Flag: P65	Cont
10	R10WORK65F	R10WORK65F:W10 Logical Skip Flag: P65	Cont
11	R11WORK65F	R11WORK65F:W11 Logical Skip Flag: P65	Cont
12	R12WORK65F	R12WORK65F:W12 Logical Skip Flag: P65	Cont
13	R13WORK65F	R13WORK65F:W13 Logical Skip Flag: P65	Cont
2	S2WORK65F	S2WORK65F:W2 Logical Skip Flag: P65	Cont
3	S3WORK65F	S3WORK65F:W3 Logical Skip Flag: P65	Cont
4	S4WORK65F	S4WORK65F:W4 Logical Skip Flag: P65	Cont
5	S5WORK65F	S5WORK65F:W5 Logical Skip Flag: P65	Cont
6	S6WORK65F	S6WORK65F:W6 Logical Skip Flag: P65	Cont
7	S7WORK65F	S7WORK65F:W7 Logical Skip Flag: P65	Cont
8	S8WORK65F	S8WORK65F:W8 Logical Skip Flag: P65	Cont
9	S9WORK65F	S9WORK65F:W9 Logical Skip Flag: P65	Cont
10	S10WORK65F	S10WORK65F:W10 Logical Skip Flag: P65	Cont
11	S11WORK65F	S11WORK65F:W11 Logical Skip Flag: P65	Cont
12	S12WORK65F	S12WORK65F:W12 Logical Skip Flag: P65	Cont
13	S13WORK65F	S13WORK65F:W13 Logical Skip Flag: P65	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK65	8133	26.57	34.13	0.0	100.0
R2WORK65	9366	17.26	29.06	0.0	100.0
R3WORK65	4674	26.08	33.90	0.0	100.0

R4WORK65	5427	26.26	33.53	0.0	100.0
R5WORK65	4353	29.53	34.16	0.0	100.0
R6WORK65	3233	29.99	33.75	0.0	100.0
R7WORK65	5271	34.08	34.73	0.0	100.0
R8WORK65	6643	25.40	33.42	0.0	100.0
R9WORK65	5491	29.42	34.91	0.0	100.0
R10WORK65	10249	29.34	33.93	0.0	100.0
R11WORK65	9282	28.41	33.49	0.0	100.0
R12WORK65	7954	28.48	34.00	0.0	100.0
R13WORK65	10410	30.13	34.27	0.0	100.0
S1WORK65	6397	25.49	33.44	0.0	100.0
S2WORK65	6944	16.68	28.41	0.0	100.0
S3WORK65	3528	23.96	32.60	0.0	100.0
S4WORK65	4066	24.87	32.59	0.0	100.0
S5WORK65	3332	27.87	33.30	0.0	100.0
S6WORK65	2460	28.47	32.87	0.0	100.0
S7WORK65	3892	32.80	34.21	0.0	100.0
S8WORK65	4864	25.04	32.85	0.0	100.0
S9WORK65	3939	29.32	34.38	0.0	100.0
S10WORK65	6728	29.83	33.55	0.0	100.0
S11WORK65	6104	29.02	33.15	0.0	100.0
S12WORK65	5111	28.95	33.41	0.0	100.0
S13WORK65	6226	31.04	34.11	0.0	100.0
R2WORK65F	19642	0.22	0.41	0.0	1.0
R3WORK65F	17991	0.08	0.26	0.0	1.0
R4WORK65F	21384	0.07	0.25	0.0	1.0
R5WORK65F	19578	0.05	0.22	0.0	1.0
R6WORK65F	18165	0.03	0.18	0.0	1.0
R7WORK65F	20129	0.04	0.19	0.0	1.0
R8WORK65F	18469	0.09	0.28	0.0	1.0
R9WORK65F	17217	0.08	0.28	0.0	1.0
R10WORK65F	22034	0.11	0.31	0.0	1.0
R11WORK65F	20554	0.12	0.33	0.0	1.0
R12WORK65F	18747	0.12	0.33	0.0	1.0
R13WORK65F	20912	0.13	0.34	0.0	1.0
S2WORK65F	13090	0.24	0.43	0.0	1.0
S3WORK65F	11917	0.09	0.29	0.0	1.0
S4WORK65F	13980	0.08	0.27	0.0	1.0
S5WORK65F	12730	0.06	0.24	0.0	1.0
S6WORK65F	11639	0.04	0.20	0.0	1.0
S7WORK65F	12972	0.04	0.20	0.0	1.0
S8WORK65F	11735	0.09	0.29	0.0	1.0
S9WORK65F	10646	0.09	0.29	0.0	1.0
S10WORK65F	13513	0.10	0.30	0.0	1.0
S11WORK65F	12488	0.12	0.32	0.0	1.0
S12WORK65F	11012	0.12	0.32	0.0	1.0
S13WORK65F	11779	0.12	0.33	0.0	1.0

How Constructed

In Wave 1 the Respondent's self-reported probability of working full-time after age 65 is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

If the Respondent answers "absolutely no chance" to a previous question about the chances of working in the future, the probability of working full-time after age 65 question is skipped but we set it to zero and the logical imputation flag `RwWORK65F` is set to 1.

If the Respondent reports 0 probability of working full-time after age 62 then the probability of working full-time after age 65 is also set to zero and the logical imputation flag `RwWORK65F` is set to 1. Otherwise this variable simply recodes missing values.

`RwWORK65` is set to .A if skipped because Respondent is already age 65. It is set to .W if skipped because Respondent is not working, and to .S if skipped because the interview is by proxy. It is set to .X if the Respondent cannot perform the probability question. .D means "Don't Know" and .R means the "Respondent refused to answer the question." If the `HRS` variable contains a valid probability it is assigned regardless of the Respondent's age, work status, or proxy status.

Note that most 62-65 year-olds have missing values for this variable from Wave 2 through Wave 6. This is because of discrepancies between the skip patterns as described in the documentation and those actually found in the data.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's `RwWORK65`.

Cross Wave Differences in Original HRS Data

In Wave 1, the question is in the Employment section. In Wave 2H it is in the Cognitions section, and thereafter it is in the Expectations section. In all waves, it is preceded by one asking the chances of working after age 62 and has the same wording. The question asks: "And what about the chances that you will be working full-time after you reach age 65?" In all waves it is skipped if Respondent responds "absolutely no chance" to the preceding age 62 question.

In Wave 1 and from Wave 3H to Wave 7, the question is skipped if Respondent is not currently working for pay. In Wave 2H, it is skipped if the Respondent is not working for pay and answers "absolutely no chance" to a previous question about the chances of working in the future. In Wave 8 it is asked whether Respondent is working or not. From Wave 2H forward it is skipped if the interview is by proxy.

From Wave 2H forward, the question is skipped if Respondent answers "absolutely no chance" to a previous question about the chances of working in the future. The documentation indicates that question is skipped if the Respondent is already age 65. However it appears from the data that most Respondents age 63 or older in Wave 2H skip this question. From Wave 3H to Wave 6 it appears that most Respondents age 62 or older skip this question, that is, most Respondents who skipped the preceding age 62 question also skip this one. This appears to have been corrected in Wave 7.

In Wave 1, the answers range from 0=absolutely no chance to 10=absolutely certain. From Wave 2H forward, the answers range from 0=absolutely no chance to 100=absolutely certain.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

HRS Variables Used

HRS 1992:	
V3208	F71:RATE:WRK FT AT AG 62
V3209	F72:RATE:WRK FT AT AG 65
HRS 1994:	
W5805	CFA105.PROB WORK FULL-TI
HRS 1996:	
E3797	H5. WORK AFTER 65
HRS 1998:	

F4590	H8. WORK AFTER 65
HRS 2000:	
G5003	H8. WORK AFTER 65
HRS 2002-2016:	
xA009	PROXY/SELF INTERVIEW
xP018	LIKELIHOOD R WILL WORK AFTER AGE 65

Self-reported probability of working after age 70

Wave	Variable	Label	Type
11	R11WORK70	R11WORK70:W11 R Prob working FT after 70	Cont
12	R12WORK70	R12WORK70:W12 R Prob working FT after 70	Cont
13	R13WORK70	R13WORK70:W13 R Prob working FT after 70	Cont
11	S11WORK70	S11WORK70:W11 S Prob working FT after 70	Cont
12	S12WORK70	S12WORK70:W12 S Prob working FT after 70	Cont
13	S13WORK70	S13WORK70:W13 S Prob working FT after 70	Cont
11	R11WORK70F	R11WORK70F:W11 Logical Skip Flag: P70	Cont
12	R12WORK70F	R12WORK70F:W12 Logical Skip Flag: P70	Cont
13	R13WORK70F	R13WORK70F:W13 Logical Skip Flag: P70	Cont
11	S11WORK70F	S11WORK70F:W11 Logical Skip Flag: P70	Cont
12	S12WORK70F	S12WORK70F:W12 Logical Skip Flag: P70	Cont
13	S13WORK70F	S13WORK70F:W13 Logical Skip Flag: P70	Cont
11	R11WORK70A	R11WORK70A:W11 R Prob working at all after 70	Cont
12	R12WORK70A	R12WORK70A:W12 R Prob working at all after 70	Cont
13	R13WORK70A	R13WORK70A:W13 R Prob working at all after 70	Cont
11	S11WORK70A	S11WORK70A:W11 S Prob working at all after 70	Cont
12	S12WORK70A	S12WORK70A:W12 S Prob working at all after 70	Cont
13	S13WORK70A	S13WORK70A:W13 S Prob working at all after 70	Cont
11	R11WORK70AF	R11WORK70AF:W11 Logical Skip Flag: P70A	Cont
12	R12WORK70AF	R12WORK70AF:W12 Logical Skip Flag: P70A	Cont
13	R13WORK70AF	R13WORK70AF:W13 Logical Skip Flag: P70A	Cont
11	S11WORK70AF	S11WORK70AF:W11 Logical Skip Flag: P70A	Cont
12	S12WORK70AF	S12WORK70AF:W12 Logical Skip Flag: P70A	Cont
13	S13WORK70AF	S13WORK70AF:W13 Logical Skip Flag: P70A	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R11WORK70	11318	10.51	21.18	0.0	100.0
R12WORK70	10111	10.59	21.43	0.0	100.0
R13WORK70	12890	11.46	22.24	0.0	100.0
S11WORK70	7538	10.57	20.93	0.0	100.0
S12WORK70	6524	10.40	20.74	0.0	100.0
S13WORK70	7715	11.55	21.94	0.0	100.0
R11WORK70F	20554	0.28	0.45	0.0	1.0
R12WORK70F	18747	0.28	0.45	0.0	1.0
R13WORK70F	20912	0.32	0.47	0.0	1.0
S11WORK70F	12488	0.29	0.46	0.0	1.0
S12WORK70F	11012	0.29	0.45	0.0	1.0
S13WORK70F	11779	0.32	0.47	0.0	1.0
R11WORK70A	11341	18.94	27.58	0.0	100.0
R12WORK70A	10137	18.91	28.02	0.0	100.0
R13WORK70A	12907	19.84	28.64	0.0	100.0
S11WORK70A	7552	19.42	27.54	0.0	100.0

S12WORK70A	6543	19.03	27.40	0.0	100.0
S13WORK70A	7724	20.09	28.32	0.0	100.0
R11WORK70AF	20554	0.11	0.31	0.0	1.0
R12WORK70AF	18747	0.12	0.33	0.0	1.0
R13WORK70AF	20912	0.13	0.33	0.0	1.0
S11WORK70AF	12488	0.11	0.31	0.0	1.0
S12WORK70AF	11012	0.12	0.32	0.0	1.0
S13WORK70AF	11779	0.12	0.32	0.0	1.0

How Constructed

RwWORK70 is the self-reported probability of working full time after age 70. RwWORK70A is the self-reported probability of working at all after age 70. RwWORK70F and RwWORK70AF are their logical skip flags, respectively. SwWORK70, SwWORK70A, SwWORK70F, and SwWORK70AF provide the information for the Respondent's spouse or partner. These variables are available beginning in Wave 11.

If the Respondent answers "absolutely no chance" to a previous question about the chances of working in the future, the probability of working full-time (RwWORK70) or at all (RwWORK70A) after age 70 questions are skipped but we set them to zero and the logical imputation flags RwWORK70F and RwWORK70AF are set to 1.

If the Respondent reports 0 probability of working full-time after age 62 or 65 or at all after 70, then the probability of working full-time after age 70 (RwWORK70) is also set to zero and the logical imputation flag RwWORK70F is set to 1. Otherwise this variable simply recodes missing values.

RwWORK70 and RwWORK70A are set to .A if skipped because Respondent is already age 70. They are set to .S if skipped because the interview is by proxy. They are set to .X if the Respondent cannot perform the probability question. .D means "Don't Know" and .R means the "Respondent refused to answer the question." If the HRS variable contains a valid probability it is assigned regardless of the Respondent's age, work status, or proxy status.

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORK70, RwWORK70A, RwWORK70F, RwWORK70AF.

Cross Wave Differences in Original HRS Data

These questions are not available prior to Wave 11.

The Respondent is asked, "What are the chances that you will be doing any work for pay after you reach age 70?"

If the respondent provides a valid number over 0, the Respondent is then asked, "Thinking about work in general and not just your present job, what do you think the chances are that you will be working full-time after you reach age 70?"

The questions are skipped if the Respondent answers "absolutely no chance" to a previous question about the chances of working in the future. The questions are preceded by two asking the chances of working full time after age 62 and 65. The RwWORK70 question is skipped if Respondent responds "absolutely no chance" to the preceding age 62, 65, or work at all at 70 questions.

The questions are also skipped if the interview is by proxy or if the Respondent is already age 70.

The answers range from 0=absolutely no chance to 100=absolutely certain.

HRS Variables Used

HRS 2012-2016:

xP181	LIKELIHOOD R WILL DO ANY WORK AFTER AGE 70
xP182	LIKELIHOOD R WILL WORK AFTER AGE 70

Self-reported probability of having a work limiting health problem in next 10 years

Wave	Variable	Label	Type
1	R1WORKLM	R1WORKLM:W1 R Prob health limiting work	Cont
2	R2WORKLM	R2WORKLM:W2 R Prob health limiting work	Cont
3	R3WORKLM	R3WORKLM:W3 R Prob health limiting work	Cont
4	R4WORKLM	R4WORKLM:W4 R Prob health limiting work	Cont
5	R5WORKLM	R5WORKLM:W5 R Prob health limiting work	Cont
6	R6WORKLM	R6WORKLM:W6 R Prob health limiting work	Cont
1	S1WORKLM	S1WORKLM:W1 S Prob health limiting work	Cont
2	S2WORKLM	S2WORKLM:W2 S Prob health limiting work	Cont
3	S3WORKLM	S3WORKLM:W3 S Prob health limiting work	Cont
4	S4WORKLM	S4WORKLM:W4 S Prob health limiting work	Cont
5	S5WORKLM	S5WORKLM:W5 S Prob health limiting work	Cont
6	S6WORKLM	S6WORKLM:W6 S Prob health limiting work	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORKLM	8062	39.19	28.11	0.0	100.0
R2WORKLM	7814	36.62	28.39	0.0	100.0
R3WORKLM	5479	39.08	28.90	0.0	100.0
R4WORKLM	7239	39.19	28.22	0.0	100.0
R5WORKLM	6168	42.23	27.86	0.0	100.0
R6WORKLM	5232	42.84	28.15	0.0	100.0
S1WORKLM	6378	38.74	27.87	0.0	100.0
S2WORKLM	6024	36.16	27.98	0.0	100.0
S3WORKLM	4158	38.77	28.71	0.0	100.0
S4WORKLM	5311	38.85	27.81	0.0	100.0
S5WORKLM	4533	41.92	27.59	0.0	100.0
S6WORKLM	3809	42.22	27.71	0.0	100.0

How Constructed

In Wave 1, Respondent's self-reported probability of health limiting work is given on a 0-10 scale. This is multiplied by 10 to derive a 0-100 scale consistent with that reported in other waves.

Otherwise this variable simply recodes missing values.

If Respondent's health already limits her/his work then this variable is set to .A. It is set to .W if skipped because Respondent is not working, and to .S if skipped because the interview is by proxy. If the HRS variable contains a valid probability it is assigned regardless of the Respondent's work or proxy status.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORKLM.

The question is not asked from wave 7 and forward.

Cross Wave Differences in Original HRS Data

In Wave 1, the question is in the Employment section. In Wave 2H it is in the Cognitions section, and thereafter it is in the Expectations section. The question is not asked from Wave 7 forward. The question wording is the same across all waves:

"What about the chances that your health will limit your work activity during the next 10 years?"

In Wave 1 and from Wave 3H forward, the question is skipped if Respondent is not currently working for pay. In Wave 2H, it is skipped if the Respondent is not working for pay and answers "absolutely no chance" to a previous question about the chances of working in the future. From Wave 2H forward it is skipped if the interview is by proxy.

In Wave 1, the answers range from 0=absolutely no chance to 10=absolutely certain. From Wave 2H forward, the answers range from 0=absolutely no chance to 100=absolutely certain. The Respondent may also indicate that a health problem already limits work.

In Wave 2A and 3A, there are no comparable questions and so for AHEAD Respondents, the values are set to .Q, to indicate that no information is available.

HRS Variables Used

HRS 1992:	
V3210	F73:RATE:HLTH WILL LMT W
HRS 1994:	
W5806	CFA106.PROB HEALTH LIMIT
HRS 1996:	
E3798	H6. HEALTH LIMIT WORK
HRS 1998:	
F4591	H9. HEALTH LIMIT WORK
HRS 2000:	
G5004	H9. HEALTH LIMIT WORK
G514	CS1A.PROXY/SELF INTERVIEW
HRS 2002:	
HA009	PROXY/SELF INTERVIEW
HP019	CHANCE HEALTH LIMIT ACTIVITY - NEXT 10YR

Self-reported probability of moving to nursing home in next 5 years

Wave	Variable	Label	Type
4	R4PNHM5Y	R4PNHM5Y:W4 R Prob moving to NHM in 5 yrs	Cont
5	R5PNHM5Y	R5PNHM5Y:W5 R Prob moving to NHM in 5 yrs	Cont
6	R6PNHM5Y	R6PNHM5Y:W6 R Prob moving to NHM in 5 yrs	Cont
7	R7PNHM5Y	R7PNHM5Y:W7 R Prob moving to NHM in 5 yrs	Cont
8	R8PNHM5Y	R8PNHM5Y:W8 R Prob moving to NHM in 5 yrs	Cont
9	R9PNHM5Y	R9PNHM5Y:W9 R Prob moving to NHM in 5 yrs	Cont
10	R10PNHM5Y	R10PNHM5Y:W10 R Prob moving to NHM in 5 yrs	Cont
11	R11PNHM5Y	R11PNHM5Y:W11 R Prob moving to NHM in 5 yrs	Cont
12	R12PNHM5Y	R12PNHM5Y:W12 R Prob moving to NHM in 5 yrs	Cont
13	R13PNHM5Y	R13PNHM5Y:W13 R Prob moving to NHM in 5 yrs	Cont
4	S4PNHM5Y	S4PNHM5Y:W4 S Prob moving to NHM in 5 yrs	Cont
5	S5PNHM5Y	S5PNHM5Y:W5 S Prob moving to NHM in 5 yrs	Cont
6	S6PNHM5Y	S6PNHM5Y:W6 S Prob moving to NHM in 5 yrs	Cont
7	S7PNHM5Y	S7PNHM5Y:W7 S Prob moving to NHM in 5 yrs	Cont
8	S8PNHM5Y	S8PNHM5Y:W8 S Prob moving to NHM in 5 yrs	Cont
9	S9PNHM5Y	S9PNHM5Y:W9 S Prob moving to NHM in 5 yrs	Cont
10	S10PNHM5Y	S10PNHM5Y:W10 S Prob moving to NHM in 5 yrs	Cont
11	S11PNHM5Y	S11PNHM5Y:W11 S Prob moving to NHM in 5 yrs	Cont
12	S12PNHM5Y	S12PNHM5Y:W12 S Prob moving to NHM in 5 yrs	Cont
13	S13PNHM5Y	S13PNHM5Y:W13 S Prob moving to NHM in 5 yrs	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R4PNHM5Y	8546	12.10	21.02	0.0	100.0
R5PNHM5Y	8163	14.03	21.99	0.0	100.0
R6PNHM5Y	8310	13.73	21.46	0.0	100.0
R7PNHM5Y	8795	13.86	21.49	0.0	100.0
R8PNHM5Y	9188	13.74	21.29	0.0	100.0
R9PNHM5Y	9408	14.73	21.67	0.0	100.0
R10PNHM5Y	9159	15.61	22.67	0.0	100.0
R11PNHM5Y	9046	16.81	23.33	0.0	100.0
R12PNHM5Y	8887	16.67	23.43	0.0	100.0
R13PNHM5Y	8585	16.45	23.34	0.0	100.0
S4PNHM5Y	5107	11.09	19.44	0.0	100.0
S5PNHM5Y	4816	12.91	20.35	0.0	100.0
S6PNHM5Y	4897	12.84	20.11	0.0	100.0
S7PNHM5Y	5302	12.72	20.07	0.0	100.0
S8PNHM5Y	5435	12.79	19.69	0.0	100.0
S9PNHM5Y	5557	13.96	20.26	0.0	100.0
S10PNHM5Y	5383	14.73	20.91	0.0	100.0
S11PNHM5Y	5277	15.91	21.89	0.0	100.0
S12PNHM5Y	4975	15.81	21.77	0.0	100.0
S13PNHM5Y	4662	15.29	21.38	0.0	100.0

How Constructed

RwPNHM5Y is the Respondent's self-reported probability of moving to nursing home in next 5 years. From Wave 4 forward, the question is only asked among those 65 and older.

SwPNHM5Y provides this information for the Respondent's spouse or partner.

RwPNHM5Y simply recodes for missing values. It is set to .N if skipped because Respondent is currently in nursing home. It is set to .S if the question is skipped because the interview is by proxy. It is set to .A if skipped because Respondent is younger than 65. It is set to .X if the Respondent can not perform the probability question. .D means Don't Know and .R means the Respondent refused to answer the question.

The spouse variable is taken from the wave "w" spouse's self-report.

Because this question is not asked or asked of the different samples in Waves 1 to 3, the measure is not included for these earlier waves at this time.

Cross Wave Differences in Original HRS Data

The question asks: "What is the percent chance that you will move to a nursing home in the next five years?" It is only asked among those aged 65 and older. For some of those younger than 65 who are not re-interviews, an alternate question wording asks for the probability of ever moving to a nursing home. This variable does NOT include answers to the alternate question asked of younger Respondents.

The question is not asked if Respondent is currently in nursing home, the interview is by proxy and if Respondent is younger than age 65.

This question is not asked at all in Wave 1, and is asked of varying samples in Waves 2 and 3. In Waves 2A and 3A it is asked of everyone. In Wave 2H it is asked of those 60 and older, and in Wave 3H it is asked of those 70 and older. The alternate question wording asked of younger Respondents appears in Wave 3H for those 60 to 69 years old.

HRS Variables Used

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HRS 1998:
    F1014          R`S CUR AGE
    F4610          H14. MOVE TO NURSING HOME
    F517           CS11.R IN NURSING HOME
    F682           PREVIOUS WAVE INTERV
HRS 2000:
    G1101          A21Y1.R-CURRENT AGE
    G5023          H14. MOVE TO NURSING HOME
    G558           CS11.R IN NURSING HOME
    G753           CS22Y30.PREVIOUS WAVE INTERV
HRS 2002-2016:
    xA019          R CURRENT AGE CALCULATION
    xA028          R IN NURSING HOME
    xP032          PERCENT CHANCE R WILL MOVE TO NH IN 5YR

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Retirement satisfaction

Wave	Variable	Label	Type
1	R1RETSAT	R1RETSAT:W1 Ret Satisfying	Categ
2	R2RETSAT	R2RETSAT:W2 Ret Satisfying	Categ
3	R3RETSAT	R3RETSAT:W3 Ret Satisfying	Categ
4	R4RETSAT	R4RETSAT:W4 Ret Satisfying	Categ
5	R5RETSAT	R5RETSAT:W5 Ret Satisfying	Categ
6	R6RETSAT	R6RETSAT:W6 Ret Satisfying	Categ
7	R7RETSAT	R7RETSAT:W7 Ret Satisfying	Categ
8	R8RETSAT	R8RETSAT:W8 Ret Satisfying	Categ
9	R9RETSAT	R9RETSAT:W9 Ret Satisfying	Categ
10	R10RETSAT	R10RETSAT:W10 Ret Satisfying	Categ
11	R11RETSAT	R11RETSAT:W11 Ret Satisfying	Categ
12	R12RETSAT	R12RETSAT:W12 Ret Satisfying	Categ
13	R13RETSAT	R13RETSAT:W13 Ret Satisfying	Categ
1	S1RETSAT	S1RETSAT:W1 Ret Satisfying	Categ
2	S2RETSAT	S2RETSAT:W2 Ret Satisfying	Categ
3	S3RETSAT	S3RETSAT:W3 Ret Satisfying	Categ
4	S4RETSAT	S4RETSAT:W4 Ret Satisfying	Categ
5	S5RETSAT	S5RETSAT:W5 Ret Satisfying	Categ
6	S6RETSAT	S6RETSAT:W6 Ret Satisfying	Categ
7	S7RETSAT	S7RETSAT:W7 Ret Satisfying	Categ
8	S8RETSAT	S8RETSAT:W8 Ret Satisfying	Categ
9	S9RETSAT	S9RETSAT:W9 Ret Satisfying	Categ
10	S10RETSAT	S10RETSAT:W10 Ret Satisfying	Categ
11	S11RETSAT	S11RETSAT:W11 Ret Satisfying	Categ
12	S12RETSAT	S12RETSAT:W12 Ret Satisfying	Categ
13	S13RETSAT	S13RETSAT:W13 Ret Satisfying	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETSAT	1787	1.76	0.77	1.0	3.0
R2RETSAT	2207	1.64	0.73	1.0	3.0
R3RETSAT	2890	1.55	0.68	1.0	3.0
R4RETSAT	7239	1.48	0.64	1.0	3.0
R5RETSAT	7289	1.47	0.63	1.0	3.0
R6RETSAT	6992	1.46	0.61	1.0	3.0
R7RETSAT	8324	1.54	0.65	1.0	3.0
R8RETSAT	8421	1.55	0.65	1.0	3.0
R9RETSAT	8230	1.54	0.64	1.0	3.0
R10RETSAT	9129	1.61	0.67	1.0	3.0
R11RETSAT	9128	1.62	0.67	1.0	3.0
R12RETSAT	9006	1.62	0.67	1.0	3.0
R13RETSAT	8917	1.64	0.67	1.0	3.0
S1RETSAT	1418	1.67	0.73	1.0	3.0
S2RETSAT	1685	1.54	0.68	1.0	3.0
S3RETSAT	2187	1.48	0.64	1.0	3.0
S4RETSAT	4393	1.43	0.62	1.0	3.0
S5RETSAT	4551	1.42	0.61	1.0	3.0
S6RETSAT	4221	1.41	0.59	1.0	3.0
S7RETSAT	5016	1.48	0.64	1.0	3.0
S8RETSAT	5013	1.49	0.63	1.0	3.0
S9RETSAT	4748	1.47	0.61	1.0	3.0
S10RETSAT	5142	1.53	0.65	1.0	3.0
S11RETSAT	5086	1.55	0.65	1.0	3.0

S12RETSAT	4815	1.54	0.65	1.0	3.0
S13RETSAT	4622	1.56	0.65	1.0	3.0

Categorical Variable Codes

RwRETSAT: Ret Satisfying											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	2	7	8	42	31	28	44	56	26	63
.I=Irrelevant	|	1257	839	4792	4320	3538	2787	2080	1958	1707	945
.M=Oth missing	|	2			9	48	24	163	113	127	123
.N=Not retired	|	8945	7638	6909	8421	7286	6293	8219	7039	6357	10947
.Q=Not asked this wv	|		8222								
.R=RF	|	13	1	3	5	4	5	5	6	5	5
.S=Skip, proxy IW	|	646	728	1457	1348	1382	2036	1294	876	765	822
.X=Retired over 2 yrs ago	|			1932							
1.Very	|	783	1134	1626	4356	4415	4238	4571	4517	4414	4546
2.Moderately	|	641	739	950	2313	2342	2313	3016	3163	3166	3602
3.Not at all	|	363	334	314	570	532	441	737	741	650	981
Value		w11	w12	w13							
.D=DK	|	81	96	79							
.I=Irrelevant	|	735	434	480							
.M=Oth missing	|	177	154	190							
.N=Not retired	|	9775	8483	10722							
.Q=Not asked this wv	|										
.R=RF	|	9	11	8							
.S=Skip, proxy IW	|	649	563	516							
.X=Retired over 2 yrs ago	|										
1.Very	|	4418	4379	4206							
2.Moderately	|	3721	3680	3741							
3.Not at all	|	989	947	970							
SwRETSAT: Ret Satisfying											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|	2	4	3	14	20	14	23	27	6	21
.I=Irrelevant	|	943	578	2412	2533	2058	1604	1198	1114	960	545
.M=Oth missing	|	1			5	33	11	41	34	39	39
.N=Not retired	|	6916	5804	5114	6077	5193	4428	5820	4990	4446	7246
.Q=Not asked this wv	|		4549								
.R=RF	|	6	1	1	1	1	2	1	2	1	3
.S=Skip, proxy IW	|	614	669	941	957	874	1359	873	555	446	517
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
.X=Retired over 2 yrs ago	|			1259							
1.Very	|	687	955	1323	2804	2923	2740	3001	2931	2795	2836
2.Moderately	|	513	545	687	1274	1326	1248	1628	1702	1651	1873
3.Not at all	|	218	185	177	315	302	233	387	380	302	433
Value		w11	w12	w13							
.D=DK	|	36	31	32							
.I=Irrelevant	|	439	252	259							
.M=Oth missing	|	67	44	53							
.N=Not retired	|	6472	5519	6507							

.Q=Not asked this wv	|			
.R=RF	|	5	9	4
.S=Skip, proxy IW	|	383	342	302
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=Retired over 2 yrs ago	|			
1.Very	|	2727	2624	2453
2.Moderately	|	1915	1787	1770
3.Not at all	|	444	404	399

How Constructed

RwRETSAT is the Respondent's self-report of retirement satisfaction. The question is asked if the Respondent is completely retired. SwRETSAT provides the information for the Respondent's spouse or partner.

RwRETSAT simply recodes for missing values. It is set to .N if Respondent is not retired. It is set to .I if the question is irrelevant because Respondent has not worked relatively recently. These cases correspond to those where RwSAYRET is coded 3.Question irrelevant. It is set to .S if the question is skipped because the interview is by proxy. In Wave 3A, when R3SAYRET is .A for probably retired, R3RETSAT is set to .I, and if the question is skipped because Respondent retired more than two years ago, it is set to .X.

The spouse variable is taken from the wave "w" spouse's self-report. If Respondent is not married, SwRETSAT is set to .U=unmarried. If Respondent's spouse did not respond then these are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the measure is not included at this time.

Cross Wave Differences in Original HRS Data

For all waves, the question is: "All in all, would you say that your retirement has turned out to be very satisfying, moderately satisfying, or not at all satisfying?"

The question is asked of everyone who says they are completely retired in RwSAYRET and where the interview is not by proxy. In Wave 3A, the question is also skipped if Respondent retired more than two years ago.

This question is not asked in Wave 2A.

HRS Variables Used

HRS 1992:	
V4921	K9:SATISFIED W/RETIRMNT
HRS 1994:	
W3987	FA125.HOW SATISFIED WITH
W4642	FB85.HOW SATISFIED WITH
W5026	FC43.HOW SATISFIED WITH
AHEAD 1995:	
D3137	GA125.HOW SATISFIED
D3495	GB85.HOW SATISFIED
D3717	GC43.HOW SATISFIED
HRS 1996:	
E3045	G136.HOW SATISFIED WITH RETIREMENT
HRS 1998:	
F3576	G136.HOW SATISFIED WITH RETIREMENT
HRS 2000:	
G3865	G136.HOW SATISFIED WITH RETIREMENT
HRS 2016:	

PJ3584	HOW SATISFIED W/ RETIREMENT
HRS 2002-2014:	
xJ584	HOW SATISFIED W/ RETIREMENT

Retirement years compared to years just before retirement
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Wave	Variable	Label	Type
1	R1RYRCMP	R1RYRCMP:W1 Ret Yrs Compared to Before	Categ
2	R2RYRCMP	R2RYRCMP:W2 Ret Yrs Compared to Before	Categ
3	R3RYRCMP	R3RYRCMP:W3 Ret Yrs Compared to Before	Categ
4	R4RYRCMP	R4RYRCMP:W4 Ret Yrs Compared to Before	Categ
5	R5RYRCMP	R5RYRCMP:W5 Ret Yrs Compared to Before	Categ
6	R6RYRCMP	R6RYRCMP:W6 Ret Yrs Compared to Before	Categ
7	R7RYRCMP	R7RYRCMP:W7 Ret Yrs Compared to Before	Categ
8	R8RYRCMP	R8RYRCMP:W8 Ret Yrs Compared to Before	Categ
9	R9RYRCMP	R9RYRCMP:W9 Ret Yrs Compared to Before	Categ
10	R10RYRCMP	R10RYRCMP:W10 Ret Yrs Compared to Before	Categ
11	R11RYRCMP	R11RYRCMP:W11 Ret Yrs Compared to Before	Categ
12	R12RYRCMP	R12RYRCMP:W12 Ret Yrs Compared to Before	Categ
13	R13RYRCMP	R13RYRCMP:W13 Ret Yrs Compared to Before	Categ
1	S1RYRCMP	S1RYRCMP:W1 Ret Yrs Compared to Before	Categ
2	S2RYRCMP	S2RYRCMP:W2 Ret Yrs Compared to Before	Categ
3	S3RYRCMP	S3RYRCMP:W3 Ret Yrs Compared to Before	Categ
4	S4RYRCMP	S4RYRCMP:W4 Ret Yrs Compared to Before	Categ
5	S5RYRCMP	S5RYRCMP:W5 Ret Yrs Compared to Before	Categ
6	S6RYRCMP	S6RYRCMP:W6 Ret Yrs Compared to Before	Categ
7	S7RYRCMP	S7RYRCMP:W7 Ret Yrs Compared to Before	Categ
8	S8RYRCMP	S8RYRCMP:W8 Ret Yrs Compared to Before	Categ
9	S9RYRCMP	S9RYRCMP:W9 Ret Yrs Compared to Before	Categ
10	S10RYRCMP	S10RYRCMP:W10 Ret Yrs Compared to Before	Categ
11	S11RYRCMP	S11RYRCMP:W11 Ret Yrs Compared to Before	Categ
12	S12RYRCMP	S12RYRCMP:W12 Ret Yrs Compared to Before	Categ
13	S13RYRCMP	S13RYRCMP:W13 Ret Yrs Compared to Before	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RYRCMP	1653	2.84	1.67	1.0	5.0
R2RYRCMP	2088	2.56	1.63	1.0	5.0
R3RYRCMP	2727	2.43	1.55	1.0	5.0
R4RYRCMP	7052	2.41	1.49	1.0	5.0
R5RYRCMP	7115	2.32	1.49	1.0	5.0
R6RYRCMP	6809	2.37	1.46	1.0	5.0
R7RYRCMP	2224	2.46	1.51	1.0	5.0
R8RYRCMP	2025	2.51	1.49	1.0	5.0
R9RYRCMP	1808	2.41	1.49	1.0	5.0
R10RYRCMP	2529	2.72	1.55	1.0	5.0
R11RYRCMP	2456	2.76	1.55	1.0	5.0
R12RYRCMP	1843	2.52	1.48	1.0	5.0
R13RYRCMP	2082	2.67	1.53	1.0	5.0
S1RYRCMP	1305	2.67	1.63	1.0	5.0
S2RYRCMP	1596	2.38	1.58	1.0	5.0
S3RYRCMP	2065	2.29	1.49	1.0	5.0
S4RYRCMP	4255	2.28	1.46	1.0	5.0
S5RYRCMP	4442	2.20	1.46	1.0	5.0
S6RYRCMP	4099	2.25	1.42	1.0	5.0
S7RYRCMP	1455	2.33	1.47	1.0	5.0
S8RYRCMP	1324	2.39	1.46	1.0	5.0
S9RYRCMP	1160	2.24	1.43	1.0	5.0
S10RYRCMP	1547	2.57	1.50	1.0	5.0

S11RYRCMP	1519	2.59	1.51	1.0	5.0
S12RYRCMP	1131	2.41	1.44	1.0	5.0
S13RYRCMP	1181	2.50	1.48	1.0	5.0

Categorical Variable Codes

RwRYRCMP: Ret Yrs Compared to Before

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	7	13	58	61	60	20	29	19	14
.I=Irrelevant	1257	839	4792	4320	3538	2787	2081	1958	1707	945
.M=Oth missing	2		2	9	48	24	56	109	124	141
.N=Not completely retired	8945	7638	6909	8421	7286	6293	8219	7039	6357	10947
.Q=Not asked this wv		8222								
.R=RF	13	1	5	5	5	8	4	2	1	3
.S=Skip, proxy IW	646	728	1457	1348	1382	2036	1802	1260	1140	1382
.W=Not working prev 2 wvs							5620	5907	5981	6006
.X=Retired over 2 ago			1932							
.Y=Retired lt 1 yr ago	132	119	154	171	143	148	103	140	80	67
1.Better	649	972	1319	3326	3575	3223	1017	875	846	958
3.About same	486	601	870	2493	2368	2509	795	774	652	964
5.Not as good	518	515	538	1233	1172	1077	412	376	310	607

Value	w11	w12	w13
.D=DK	17	20	17
.I=Irrelevant	735	434	480
.M=Oth missing	325	130	270
.N=Not completely retired	9776	8483	10722
.Q=Not asked this wv			
.R=RF	6	6	2
.S=Skip, proxy IW	1145	1049	941
.W=Not working prev 2 wvs	6032	6733	6354
.X=Retired over 2 ago			
.Y=Retired lt 1 yr ago	62	49	44
1.Better	905	777	810
3.About same	944	727	807
5.Not as good	607	339	465

SwRYRCMP: Ret Yrs Compared to Before

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	4	3	6	26	24	29	10	14	10	6
.I=Irrelevant	943	578	2412	2533	2058	1604	1199	1114	960	545
.M=Oth missing	1			5	33	11	31	51	59	78
.N=Not completely retired	6916	5804	5114	6077	5193	4428	5820	4990	4446	7246
.Q=Not asked this wv		4549								
.R=RF	10	1	3	3	1	3	1			3
.S=Skip, proxy IW	614	669	941	957	874	1359	1203	792	657	817
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	384	417	536	311	220	380	317	365	722
.W=Not working prev 2 wvs							3180	3358	3294	3221
.X=Retired over 2 ago			1259							
.Y=Retired lt 1 yr ago	107	90	117	124	105	106	73	92	60	50
1.Better	560	818	1065	2180	2418	2096	715	616	598	638
3.About same	401	452	666	1428	1374	1452	511	495	403	604
5.Not as good	344	326	334	647	650	551	229	213	159	305

Value	w11	w12	w13
.D=DK	8	8	4
.I=Irrelevant	439	252	259
.M=Oth missing	182	57	107
.N=Not completely retired	6473	5519	6507
.Q=Not asked this wv			
.R=RF	6	4	1
.S=Skip, proxy IW	648	589	526
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Not working prev 2 wvs	3174	3422	3160
.X=Retired over 2 ago			
.Y=Retired lt 1 yr ago	39	30	34
1.Better	619	506	508
3.About same	591	451	458
5.Not as good	309	174	215

How Constructed

RwRYRCMP is the Respondent's comparison of retirement years to the time just before retirement. The question is asked if the Respondent is completely retired. SwRYRCMP provides this information for the Respondent's spouse or partner.

RwRYRCMP recodes for missing values. It is set to .N if Respondent is not completely retired. It is set to .I if the question is irrelevant because Respondent has not worked relatively recently. These cases correspond to those where RwSAYRET is coded 3.Question irrelevant. RwRYRCMP is set to .S if the question is skipped because the interview is by proxy. It is set to .Y if Respondent retired less than one year ago.

In later waves, RwRYRCMP is set to .W if Respondent has not reported working in the previous two waves of data.

In Wave 2A this question is not asked and the value is set to .Q. In Wave 3A, when R3SAYRET is .A for probably retired, R3RYRCMP is set to .I, and if the question is skipped because Respondent retired more than two years ago, it is set to .X.

The spouse variable is taken from the wave "w" spouse's self-report. If Respondent is not married, SwRYRCMP is set to .U=unmarried. If Respondent's spouse did not respond then these are set to .V=Spouse.

Cross Wave Differences in Original HRS Data

In all waves this question is skipped if the interview is by proxy. Otherwise the sample asked this question varies across waves.

In Waves 1-3, all self-reporting, fully retired Respondents are asked this question.

In Wave 4, AHEAD cohort Respondents are not asked, but all self-reporting CODA and War Babies Respondents are, along with all new HRS cohort spouses. One of ten HRS cohort Respondents is also randomly selected for these questions.

In Wave 5, the questionnaire indicates that Respondents are selected based on whether they were asked the question in 1998 and their experimental module assignment in 1996, in addition to random selection among those under 65. But the criteria involving 1998 and 1996 does not appear to be accurate, nor is the selection based on age. It appears instead that one of twelve Respondents is randomly selected for these questions, regardless of age. All entry cohort subsamples are eligible for selection.

In Wave 6 if person is 65 or older the questions are skipped. Otherwise, all other self-reporting retired Respondents are asked this question.

In Waves 7 and forward, Respondents are skipped if they are not completely retired or if they have not reported working in the previous two waves of data.

HRS Variables Used

HRS 1992:	
V4922	K10:QUAL OF RET VS.WK YR
HRS 1994:	
W3988	FA126.RETIREMENT YEARS B
W4643	FB86.RETIREMENT YEARS BE
W5027	FC44.RETIREMENT BETTER/S
AHEAD 1995:	
D3138	GA126.BETTER/SAME
D3496	GB86.BETTER/SAME
D3718	GC44.BETTER/SAME
HRS 1996:	
E3046	G137.RETIREMENT YEARS BETTER/SAME
HRS 1998:	
F3577	G137.RETIREMENT YEARS BETTER/SAME
HRS 2000:	
G3866	G137.RETIREMENT YEARS BETTER/SAME
HRS 2016:	
PJ3585	RETIREMENT YRS BETTER/SAME
HRS 2002-2014:	
xJ585	RETIREMENT YRS BETTER/SAME

Section J: Employment History

Currently working for pay

Wave	Variable	Label	Type
1	R1WORK	R1WORK:W1 R working for pay	Categ
2	R2WORK	R2WORK:W2 R working for pay	Categ
3	R3WORK	R3WORK:W3 R working for pay	Categ
4	R4WORK	R4WORK:W4 R working for pay	Categ
5	R5WORK	R5WORK:W5 R working for pay	Categ
6	R6WORK	R6WORK:W6 R working for pay	Categ
7	R7WORK	R7WORK:W7 R working for pay	Categ
8	R8WORK	R8WORK:W8 R working for pay	Categ
9	R9WORK	R9WORK:W9 R working for pay	Categ
10	R10WORK	R10WORK:W10 R working for pay	Categ
11	R11WORK	R11WORK:W11 R working for pay	Categ
12	R12WORK	R12WORK:W12 R working for pay	Categ
13	R13WORK	R13WORK:W13 R working for pay	Categ
1	S1WORK	S1WORK:W1 S working for pay	Categ
2	S2WORK	S2WORK:W2 S working for pay	Categ
3	S3WORK	S3WORK:W3 S working for pay	Categ
4	S4WORK	S4WORK:W4 S working for pay	Categ
5	S5WORK	S5WORK:W5 S working for pay	Categ
6	S6WORK	S6WORK:W6 S working for pay	Categ
7	S7WORK	S7WORK:W7 S working for pay	Categ
8	S8WORK	S8WORK:W8 S working for pay	Categ
9	S9WORK	S9WORK:W9 S working for pay	Categ
10	S10WORK	S10WORK:W10 S working for pay	Categ
11	S11WORK	S11WORK:W11 S working for pay	Categ
12	S12WORK	S12WORK:W12 S working for pay	Categ
13	S13WORK	S13WORK:W13 S working for pay	Categ
1	R1WORK2	R1WORK2:W1 Works at 2nd job	Categ
2	R2WORK2	R2WORK2:W2 Works at 2nd job	Categ
3	R3WORK2	R3WORK2:W3 Works at 2nd job	Categ
4	R4WORK2	R4WORK2:W4 Works at 2nd job	Categ
5	R5WORK2	R5WORK2:W5 Works at 2nd job	Categ
6	R6WORK2	R6WORK2:W6 Works at 2nd job	Categ
7	R7WORK2	R7WORK2:W7 Works at 2nd job	Categ
8	R8WORK2	R8WORK2:W8 Works at 2nd job	Categ
9	R9WORK2	R9WORK2:W9 Works at 2nd job	Categ
10	R10WORK2	R10WORK2:W10 Works at 2nd job	Categ
11	R11WORK2	R11WORK2:W11 Works at 2nd job	Categ
12	R12WORK2	R12WORK2:W12 Works at 2nd job	Categ
13	R13WORK2	R13WORK2:W13 Works at 2nd job	Categ
1	S1WORK2	S1WORK2:W1 Works at 2nd job	Categ
2	S2WORK2	S2WORK2:W2 Works at 2nd job	Categ
3	S3WORK2	S3WORK2:W3 Works at 2nd job	Categ
4	S4WORK2	S4WORK2:W4 Works at 2nd job	Categ
5	S5WORK2	S5WORK2:W5 Works at 2nd job	Categ
6	S6WORK2	S6WORK2:W6 Works at 2nd job	Categ
7	S7WORK2	S7WORK2:W7 Works at 2nd job	Categ
8	S8WORK2	S8WORK2:W8 Works at 2nd job	Categ
9	S9WORK2	S9WORK2:W9 Works at 2nd job	Categ
10	S10WORK2	S10WORK2:W10 Works at 2nd job	Categ
11	S11WORK2	S11WORK2:W11 Works at 2nd job	Categ
12	S12WORK2	S12WORK2:W12 Works at 2nd job	Categ
13	S13WORK2	S13WORK2:W13 Works at 2nd job	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WORK	12638	0.66	0.47	0.0	1.0

R2WORK	19611	0.40	0.49	0.0	1.0
R3WORK	17937	0.38	0.49	0.0	1.0
R4WORK	21341	0.39	0.49	0.0	1.0
R5WORK	19541	0.37	0.48	0.0	1.0
R6WORK	18144	0.33	0.47	0.0	1.0
R7WORK	20106	0.39	0.49	0.0	1.0
R8WORK	18456	0.36	0.48	0.0	1.0
R9WORK	17199	0.34	0.47	0.0	1.0
R10WORK	21826	0.41	0.49	0.0	1.0
R11WORK	20502	0.39	0.49	0.0	1.0
R12WORK	18708	0.37	0.48	0.0	1.0
R13WORK	20809	0.42	0.49	0.0	1.0
S1WORK	9895	0.67	0.47	0.0	1.0
S2WORK	13084	0.46	0.50	0.0	1.0
S3WORK	11902	0.44	0.50	0.0	1.0
S4WORK	13970	0.45	0.50	0.0	1.0
S5WORK	12721	0.42	0.49	0.0	1.0
S6WORK	11631	0.39	0.49	0.0	1.0
S7WORK	12965	0.44	0.50	0.0	1.0
S8WORK	11732	0.42	0.49	0.0	1.0
S9WORK	10637	0.40	0.49	0.0	1.0
S10WORK	13394	0.46	0.50	0.0	1.0
S11WORK	12472	0.44	0.50	0.0	1.0
S12WORK	10997	0.42	0.49	0.0	1.0
S13WORK	11749	0.48	0.50	0.0	1.0
R1WORK2	12638	0.08	0.28	0.0	1.0
R2WORK2	18828	0.04	0.20	0.0	1.0
R3WORK2	17650	0.04	0.19	0.0	1.0
R4WORK2	21258	0.04	0.20	0.0	1.0
R5WORK2	19484	0.03	0.18	0.0	1.0
R6WORK2	18107	0.03	0.17	0.0	1.0
R7WORK2	20015	0.04	0.20	0.0	1.0
R8WORK2	18346	0.04	0.19	0.0	1.0
R9WORK2	17087	0.04	0.19	0.0	1.0
R10WORK2	21670	0.05	0.22	0.0	1.0
R11WORK2	20300	0.05	0.21	0.0	1.0
R12WORK2	18561	0.04	0.20	0.0	1.0
R13WORK2	20613	0.05	0.23	0.0	1.0
S1WORK2	9895	0.08	0.27	0.0	1.0
S2WORK2	12555	0.05	0.21	0.0	1.0
S3WORK2	11713	0.04	0.20	0.0	1.0
S4WORK2	13915	0.04	0.21	0.0	1.0
S5WORK2	12682	0.04	0.19	0.0	1.0
S6WORK2	11599	0.04	0.19	0.0	1.0
S7WORK2	12899	0.05	0.22	0.0	1.0
S8WORK2	11650	0.04	0.20	0.0	1.0
S9WORK2	10562	0.04	0.19	0.0	1.0
S10WORK2	13292	0.06	0.23	0.0	1.0
S11WORK2	12336	0.06	0.23	0.0	1.0
S12WORK2	10905	0.05	0.22	0.0	1.0
S13WORK2	11634	0.06	0.24	0.0	1.0

Categorical Variable Codes

RwWORK: R working for pay

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|		3	3			2	2			2
.M=Oth missing	|	14	24	47	34	29	11	11	10	13	187
.R=RF	|		4	4	9	8	8	10	3	5	19
0.Not working for pay	|	4268	11784	11100	12940	12337	12082	12265	11814	11321	12969
1.Working for pay	|	8370	7827	6837	8401	7204	6062	7841	6642	5878	8857

Value		w11	w12	w13
.D=DK	|	4	3	1
.M=Oth missing	|	36	29	91
.R=RF	|	12	7	11
0.Not working for pay	|	12545	11823	12028
1.Working for pay	|	7957	6885	8781

SwWORK: S working for pay

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|						1	1			1
.M=Oth missing	|	5	4	14	8	7	3	1	1	4	111
.R=RF	|		2	1	2	2	4	5	2	5	7
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.Not working for pay	|	3300	7054	6714	7730	7340	7124	7202	6859	6393	7285
1.Working for pay	|	6595	6030	5188	6240	5381	4507	5763	4873	4244	6109

Value		w11	w12	w13
.D=DK	|	3	2	
.M=Oth missing	|	8	8	26
.R=RF	|	5	5	4
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Not working for pay	|	6975	6330	6148
1.Working for pay	|	5497	4667	5601

RwWORK2: Works at 2nd job

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|			2	6	4	4			1	2
.M=Oth missing	|	14	36	336	117	83	51	108	121	126	360
.Q=Not asked this wv	|		778								
.R=RF	|			3	3	7	3	6	2	3	2
0.Not working for pay	|	11591	18077	16985	20403	18825	17554	19154	17659	16480	20578
1.Working for pay	|	1047	751	665	855	659	553	861	687	607	1092

Value		w11	w12	w13
.D=DK	|	4	3	2
.M=Oth missing	|	242	180	290
.Q=Not asked this wv	|			
.R=RF	|	8	3	7
0.Not working for pay	|	19355	17752	19486
1.Working for pay	|	945	809	1127

SwWORK2: Works at 2nd job

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK	|			1	2	4	2			1	1
.M=Oth missing	|	5	10	201	61	39	35	67	83	82	219
.Q=Not asked this wv	|		525								
.R=RF	|			2	2	5	3	6	2	1	1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.Not working for pay	|	9100	11965	11224	13295	12194	11175	12267	11149	10156	12546
1.Working for pay	|	795	590	489	620	488	424	632	501	406	746

Value		w11	w12	w13
.D=DK	|	3	2	2
.M=Oth missing	|	144	102	140
.Q=Not asked this wv	|			
.R=RF	|	5	3	3
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Not working for pay	|	11649	10360	10933
1.Working for pay	|	687	545	701

How Constructed

RwWORK is derived from the question: "Are you currently working for pay?" It simply recodes this variable to a yes/no indicator and for missing values. In some waves a response of working but not for pay is allowed. This is treated as NOT working for pay.

RwWORK2 indicates whether the Respondent is working at a second job. If RwWORK is set to "0", then RwWORK2 is also "0" (No).

In Wave 1 the source variable for RwWORK is imputed in the HRS data. The imputation is not used, if imputed RwWORK is set to missing.

In Wave 2A, there is no question about a second job. So for the AHEAD Respondents, R2WORK2 is set to the .Q SAS special

missing value, to indicate that no information is available.

In Wave 3A, RwWORK is also derived from the employment status question: "Are you working now, temporarily laid off, unemployed and looking for work, disabled and unable to work, retired, a homemaker, or what?" If there is no information in the question: "Are you currently working for pay?" and the Respondent reports "Working now" as employment status, then RwWORK is set to "1" (Yes).

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWORK and RwWORK2.

Cross Wave Differences in Original HRS Data

The questions about working for pay and working a second job are the same across waves. The questions ask:

"Are you doing any work for pay at the present time?"

"Are you doing any other work for pay now, such as (another) business of your own, a second job or the military reserves?"

In Wave 1 the first question may have a response of "working but not for pay."

HRS Variables Used

HRS 1992:	
V12717	F2:ANY WRK FOR PAY :IND
V2717	F2:ANY WRK FOR PAY :IMP
V3327	F86:DNG ANY OTR WRK :IMP
AHEAD 1993:	
B1174	G1. WORKING CURRENTLY?
HRS 1994:	
W3316	FA2.WORKING FOR PAY
W3956	FA117.ANY OTHER PAID WOR
W4611	FB77.ANY OTHER PAID WORK
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2651	GA2.WORKING ANY CURRENT
D3110	GA117. ANY OTHER PAID WORK
HRS 1996:	
E2627	G2.WORKING FOR PAY
E3019	G128.ANY OTHER PAID WORK
HRS 1998:	
F3131	G2.WORKING FOR PAY
F3549	G128.ANY OTHER PAID WORK
HRS 2000:	
G3381	G2.WORKING FOR PAY
G3838	G128.ANY OTHER PAID WORK
HRS 2002-2016:	
xJ020	WORKING FOR PAY
xJ553	ANY OTR PAID WORK

Whether Self-Employed

Wave	Variable	Label	Type
1	R1SLFEMP	R1SLFEMP:W1 Whether Self-Employed	Categ
2	R2SLFEMP	R2SLFEMP:W2 Whether Self-Employed	Categ
3	R3SLFEMP	R3SLFEMP:W3 Whether Self-Employed	Categ
4	R4SLFEMP	R4SLFEMP:W4 Whether Self-Employed	Categ
5	R5SLFEMP	R5SLFEMP:W5 Whether Self-Employed	Categ
6	R6SLFEMP	R6SLFEMP:W6 Whether Self-Employed	Categ
7	R7SLFEMP	R7SLFEMP:W7 Whether Self-Employed	Categ
8	R8SLFEMP	R8SLFEMP:W8 Whether Self-Employed	Categ
9	R9SLFEMP	R9SLFEMP:W9 Whether Self-Employed	Categ
10	R10SLFEMP	R10SLFEMP:W10 Whether Self-Employed	Categ
11	R11SLFEMP	R11SLFEMP:W11 Whether Self-Employed	Categ
12	R12SLFEMP	R12SLFEMP:W12 Whether Self-Employed	Categ
13	R13SLFEMP	R13SLFEMP:W13 Whether Self-Employed	Categ
1	S1SLFEMP	S1SLFEMP:W1 Whether Self-Employed	Categ
2	S2SLFEMP	S2SLFEMP:W2 Whether Self-Employed	Categ
3	S3SLFEMP	S3SLFEMP:W3 Whether Self-Employed	Categ
4	S4SLFEMP	S4SLFEMP:W4 Whether Self-Employed	Categ
5	S5SLFEMP	S5SLFEMP:W5 Whether Self-Employed	Categ
6	S6SLFEMP	S6SLFEMP:W6 Whether Self-Employed	Categ
7	S7SLFEMP	S7SLFEMP:W7 Whether Self-Employed	Categ
8	S8SLFEMP	S8SLFEMP:W8 Whether Self-Employed	Categ
9	S9SLFEMP	S9SLFEMP:W9 Whether Self-Employed	Categ
10	S10SLFEMP	S10SLFEMP:W10 Whether Self-Employed	Categ
11	S11SLFEMP	S11SLFEMP:W11 Whether Self-Employed	Categ
12	S12SLFEMP	S12SLFEMP:W12 Whether Self-Employed	Categ
13	S13SLFEMP	S13SLFEMP:W13 Whether Self-Employed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1SLFEMP	8368	0.18	0.39	0.0	1.0
R2SLFEMP	7812	0.21	0.41	0.0	1.0
R3SLFEMP	6817	0.22	0.42	0.0	1.0
R4SLFEMP	8332	0.22	0.41	0.0	1.0
R5SLFEMP	7162	0.21	0.41	0.0	1.0
R6SLFEMP	6057	0.24	0.42	0.0	1.0
R7SLFEMP	7836	0.23	0.42	0.0	1.0
R8SLFEMP	6583	0.23	0.42	0.0	1.0
R9SLFEMP	5867	0.24	0.43	0.0	1.0
R10SLFEMP	8837	0.20	0.40	0.0	1.0
R11SLFEMP	7944	0.21	0.41	0.0	1.0
R12SLFEMP	6868	0.21	0.41	0.0	1.0
R13SLFEMP	8726	0.20	0.40	0.0	1.0
S1SLFEMP	6595	0.19	0.40	0.0	1.0
S2SLFEMP	6018	0.23	0.42	0.0	1.0
S3SLFEMP	5176	0.24	0.42	0.0	1.0
S4SLFEMP	6187	0.23	0.42	0.0	1.0
S5SLFEMP	5351	0.22	0.42	0.0	1.0
S6SLFEMP	4503	0.25	0.43	0.0	1.0
S7SLFEMP	5760	0.24	0.43	0.0	1.0
S8SLFEMP	4829	0.24	0.43	0.0	1.0
S9SLFEMP	4237	0.25	0.44	0.0	1.0
S10SLFEMP	6097	0.22	0.41	0.0	1.0

S11SLFEMP	5490	0.22	0.42	0.0	1.0
S12SLFEMP	4658	0.23	0.42	0.0	1.0
S13SLFEMP	5564	0.21	0.40	0.0	1.0

Categorical Variable Codes

RwSLFEMP: Whether Self-Employed											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			4	3	1	4	2	59	11	18
.M=Oth missing	|	16	36	68	109	76	21	23	13	18	209
.R=RF	|		10	2		2	1	3			1
.W=Skip,not working	|	4268	11784	11100	12940	12337	12082	12265	11814	11321	12969
0.Not self-employed	|	6845	6141	5293	6523	5643	4630	6068	5079	4447	7028
1.Self-employed	|	1523	1671	1524	1809	1519	1427	1768	1504	1420	1809
Value		w11	w12	w13							
.D=DK/NA	|	11	15	44							
.M=Oth missing	|	53	40	112							
.R=RF	|	1	1	2							
.W=Skip,not working	|	12545	11823	12028							
0.Not self-employed	|	6284	5396	6971							
1.Self-employed	|	1660	1472	1755							
SwSLFEMP: Whether Self-Employed											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	|			2	3	1	3	1	44	7	11
.M=Oth missing	|	5	10	24	60	37	8	7	3	9	119
.R=RF	|		8	1		1	1	2			1
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
.W=Skip,not working	|	3300	7054	6714	7730	7340	7124	7202	6859	6393	7285
0.Not self-employed	|	5312	4652	3959	4792	4167	3388	4373	3667	3163	4771
1.Self-employed	|	1283	1366	1217	1395	1184	1115	1387	1162	1074	1326
Value		w11	w12	w13							
.D=DK/NA	|	5	8	28							
.M=Oth missing	|	17	16	38							
.R=RF	|	1		1							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
.W=Skip,not working	|	6975	6330	6148							
0.Not self-employed	|	4275	3608	4418							
1.Self-employed	|	1215	1050	1146							

How Constructed

RwSLFEMP is derived from the question: "Do you work for someone else, are you self-employed, or what?" regarding the current main job. The possible responses are someone else or self-employed. According to the HRS documentation, Respondents who said they ran

their own businesses were recoded to self-employed. RWSLFEMP simply recodes this variable to a yes/no indicator and for missing values. If this question was skipped because the Respondent isn't working for pay, RWSLFEMP is set to SAS special missing value (.W).

There are some cases where RwwORK indicates that the Respondent is not working, but that have a value for whether the Respondent is self-employed. If a valid value is available for the self-employment question, it is used. In particular, from Wave 3H forward, this question is asked of Respondents who reported being temporarily laid off, or on sick or other leave who also said they intend to return to the same job, even if they are not currently working for pay. Respondents in this situation may have a value for RWSLFEMP.

In Wave 1 the source variable for RWSLFEMP is imputed in the HRS data. The imputation is not used, if imputed RWSLFEMP is set to missing.

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RWSLFEMP.

Cross Wave Differences in Original HRS Data

The core of the question about whether working for a firm or oneself is the same across waves. The question asks:

"Do you work for someone else, are you self-employed, or what?"

In Waves 1, 2 and 3A, it is only asked of Respondents who are currently working for pay and is prefaced by:

"Next are some questions about your current, main job."

In Wave 3H and from Wave 4 forward, if the Respondent is currently working for pay, the question is prefaced by:

"On your current (main) job, ..."

For these waves, it is also asked of Respondents who report being temporarily laid off or on leave, if they also say they expect to go back to this job, in which case the question is prefaced by:

"On the job you plan to go back to, ..."

HRS Variables Used

HRS 1992:	
V12717	F2:ANY WRK FOR PAY :IND
V12718	F3:WHO WORK FOR :IND
V2717	F2:ANY WRK FOR PAY :IMP
V2718	F3:WHO WORK FOR :IMP
AHEAD 1993:	
B1174	G1. WORKING CURRENTLY?
B1178	G2. CURRENTLY SELF EMPLOYED
HRS 1994:	
W3316	FA2.WORKING FOR PAY
W3317	FA3.WORK FOR SOMEONE ELS
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2651	GA2.WORKING ANY CURRENT
D2653	GA3. SELF/OTHER EMPLOYED
HRS 1996:	
E2627	G2.WORKING FOR PAY

E2628	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
HRS 1998:	
F3131	G2.WORKING FOR PAY
F3132	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
HRS 2000:	
G3381	G2.WORKING FOR PAY
G3382	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
HRS 2002-2016:	
xJ020	WORKING FOR PAY
xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED

Same Employer or Same Job Title as previous Wave

Wave	Variable	Label	Type
2	R2SAMEMP	R2SAMEMP:W2 Same Employer as Last Wave	Categ
3	R3SAMEMP	R3SAMEMP:W3 Same Employer as Last Wave	Categ
4	R4SAMEMP	R4SAMEMP:W4 Same Employer as Last Wave	Categ
5	R5SAMEMP	R5SAMEMP:W5 Same Employer as Last Wave	Categ
6	R6SAMEMP	R6SAMEMP:W6 Same Employer as Last Wave	Categ
7	R7SAMEMP	R7SAMEMP:W7 Same Employer as Last Wave	Categ
8	R8SAMEMP	R8SAMEMP:W8 Same Employer as Last Wave	Categ
9	R9SAMEMP	R9SAMEMP:W9 Same Employer as Last Wave	Categ
10	R10SAMEMP	R10SAMEMP:W10 Same Employer as Last Wave	Categ
11	R11SAMEMP	R11SAMEMP:W11 Same Employer as Last Wave	Categ
12	R12SAMEMP	R12SAMEMP:W12 Same Employer as Last Wave	Categ
13	R13SAMEMP	R13SAMEMP:W13 Same Employer as Last Wave	Categ
2	S2SAMEMP	S2SAMEMP:W2 Same Employer as Last Wave	Categ
3	S3SAMEMP	S3SAMEMP:W3 Same Employer as Last Wave	Categ
4	S4SAMEMP	S4SAMEMP:W4 Same Employer as Last Wave	Categ
5	S5SAMEMP	S5SAMEMP:W5 Same Employer as Last Wave	Categ
6	S6SAMEMP	S6SAMEMP:W6 Same Employer as Last Wave	Categ
7	S7SAMEMP	S7SAMEMP:W7 Same Employer as Last Wave	Categ
8	S8SAMEMP	S8SAMEMP:W8 Same Employer as Last Wave	Categ
9	S9SAMEMP	S9SAMEMP:W9 Same Employer as Last Wave	Categ
10	S10SAMEMP	S10SAMEMP:W10 Same Employer as Last Wave	Categ
11	S11SAMEMP	S11SAMEMP:W11 Same Employer as Last Wave	Categ
12	S12SAMEMP	S12SAMEMP:W12 Same Employer as Last Wave	Categ
13	S13SAMEMP	S13SAMEMP:W13 Same Employer as Last Wave	Categ
2	R2SAMEJOB	R2SAMEJOB:W2 Same Job title as last Wave	Categ
3	R3SAMEJOB	R3SAMEJOB:W3 Same Job title as last Wave	Categ
4	R4SAMEJOB	R4SAMEJOB:W4 Same Job title as last Wave	Categ
5	R5SAMEJOB	R5SAMEJOB:W5 Same Job title as last Wave	Categ
6	R6SAMEJOB	R6SAMEJOB:W6 Same Job title as last Wave	Categ
7	R7SAMEJOB	R7SAMEJOB:W7 Same Job title as last Wave	Categ
8	R8SAMEJOB	R8SAMEJOB:W8 Same Job title as last Wave	Categ
9	R9SAMEJOB	R9SAMEJOB:W9 Same Job title as last Wave	Categ
10	R10SAMEJOB	R10SAMEJOB:W10 Same Job title as last Wave	Categ
11	R11SAMEJOB	R11SAMEJOB:W11 Same Job title as last Wave	Categ
12	R12SAMEJOB	R12SAMEJOB:W12 Same Job title as last Wave	Categ
13	R13SAMEJOB	R13SAMEJOB:W13 Same Job title as last Wave	Categ
2	S2SAMEJOB	S2SAMEJOB:W2 Same Job title as last Wave	Categ
3	S3SAMEJOB	S3SAMEJOB:W3 Same Job title as last Wave	Categ
4	S4SAMEJOB	S4SAMEJOB:W4 Same Job title as last Wave	Categ
5	S5SAMEJOB	S5SAMEJOB:W5 Same Job title as last Wave	Categ
6	S6SAMEJOB	S6SAMEJOB:W6 Same Job title as last Wave	Categ
7	S7SAMEJOB	S7SAMEJOB:W7 Same Job title as last Wave	Categ
8	S8SAMEJOB	S8SAMEJOB:W8 Same Job title as last Wave	Categ
9	S9SAMEJOB	S9SAMEJOB:W9 Same Job title as last Wave	Categ
10	S10SAMEJOB	S10SAMEJOB:W10 Same Job title as last Wave	Categ
11	S11SAMEJOB	S11SAMEJOB:W11 Same Job title as last Wave	Categ
12	S12SAMEJOB	S12SAMEJOB:W12 Same Job title as last Wave	Categ
13	S13SAMEJOB	S13SAMEJOB:W13 Same Job title as last Wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R2SAMEMP	6974	0.81	0.39	0.0	1.0
R3SAMEMP	6689	0.78	0.42	0.0	1.0
R4SAMEMP	5845	0.77	0.42	0.0	1.0
R5SAMEMP	7037	0.78	0.42	0.0	1.0
R6SAMEMP	5940	0.72	0.45	0.0	1.0

R7SAMEMP	5207	0.76	0.43	0.0	1.0
R8SAMEMP	6509	0.78	0.42	0.0	1.0
R9SAMEMP	5793	0.79	0.40	0.0	1.0
R10SAMEMP	4739	0.80	0.40	0.0	1.0
R11SAMEMP	7745	0.78	0.41	0.0	1.0
R12SAMEMP	6753	0.79	0.41	0.0	1.0
R13SAMEMP	5617	0.76	0.43	0.0	1.0
S2SAMEMP	5436	0.81	0.39	0.0	1.0
S3SAMEMP	5061	0.79	0.41	0.0	1.0
S4SAMEMP	4326	0.78	0.42	0.0	1.0
S5SAMEMP	5231	0.78	0.41	0.0	1.0
S6SAMEMP	4394	0.72	0.45	0.0	1.0
S7SAMEMP	3822	0.77	0.42	0.0	1.0
S8SAMEMP	4748	0.78	0.41	0.0	1.0
S9SAMEMP	4162	0.81	0.40	0.0	1.0
S10SAMEMP	3347	0.81	0.39	0.0	1.0
S11SAMEMP	5310	0.80	0.40	0.0	1.0
S12SAMEMP	4561	0.80	0.40	0.0	1.0
S13SAMEMP	3731	0.77	0.42	0.0	1.0
R2SAMEJOB	6650	0.74	0.44	0.0	1.0
R3SAMEJOB	6299	0.71	0.45	0.0	1.0
R4SAMEJOB	5538	0.65	0.48	0.0	1.0
R5SAMEJOB	6852	0.71	0.45	0.0	1.0
R6SAMEJOB	5714	0.66	0.47	0.0	1.0
R7SAMEJOB	5174	0.71	0.45	0.0	1.0
R8SAMEJOB	4722	0.64	0.48	0.0	1.0
R9SAMEJOB	5723	0.73	0.44	0.0	1.0
R10SAMEJOB	4727	0.74	0.44	0.0	1.0
R11SAMEJOB	7737	0.73	0.44	0.0	1.0
R12SAMEJOB	6748	0.73	0.44	0.0	1.0
R13SAMEJOB	5609	0.71	0.45	0.0	1.0
S2SAMEJOB	5189	0.75	0.44	0.0	1.0
S3SAMEJOB	4807	0.72	0.45	0.0	1.0
S4SAMEJOB	4108	0.66	0.47	0.0	1.0
S5SAMEJOB	5097	0.72	0.45	0.0	1.0
S6SAMEJOB	4218	0.66	0.47	0.0	1.0
S7SAMEJOB	3799	0.72	0.45	0.0	1.0
S8SAMEJOB	3469	0.66	0.47	0.0	1.0
S9SAMEJOB	4119	0.75	0.44	0.0	1.0
S10SAMEJOB	3339	0.76	0.43	0.0	1.0
S11SAMEJOB	5304	0.74	0.44	0.0	1.0
S12SAMEJOB	4558	0.75	0.44	0.0	1.0
S13SAMEJOB	3726	0.72	0.45	0.0	1.0

Categorical Variable Codes

RwSAMEMP: Same Employer as Last Wave										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	3	1			4		2
.M=Oth missing		43	9	19	22	6	6	17	13	13
.P=No Previous Interview		7921	242	4582	238	196	3036	184	129	5813
.R=RF					1	3			1	
.S=R is Self Employed		298	28	509	26	31	436	24	14	626
.W=Skip,not working		4406	11022	10426	12253	11989	11444	11731	11267	10841
0.Not the same Employer as		1348	1482	1340	1577	1688	1254	1461	1189	970
1.Same Employer as Previous		5626	5207	4505	5460	4252	3953	5048	4604	3769
Value	w11	w12	w13							
.D=DK/NA	2	2	2							
.M=Oth missing	23	31	22							
.P=No Previous Interview	290	153	4065							
.R=RF	1	2								
.S=R is Self Employed	41	25	493							
.W=Skip,not working	12452	11781	10713							
0.Not the same Employer as	1683	1432	1342							
1.Same Employer as Previous	6062	5321	4275							
RwSAMEJOB: Same Job title as last Wave										
Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1							1	4
.M=Oth missing		366	137	329	208	235	39	1808	83	23
.P=No Previous Interview		7921	242	4582	238	196	3036	184	129	5813
.Q=Not asked this wv			263							
.R=RF					1					
.S=R is Self Employed		298	28	509	26	31	436	24	14	626
.W=Skip,not working		4406	11022	10426	12253	11989	11444	11731	11267	10841
0.Not the same Job as Previ		1749	1843	1947	1981	1955	1507	1691	1531	1208
1.Same Job as Previous Wave		4901	4456	3591	4871	3759	3667	3031	4192	3519
Value	w11	w12	w13							
.D=DK/NA										
.M=Oth missing	34	39	32							
.P=No Previous Interview	290	153	4065							
.Q=Not asked this wv										
.R=RF		1								
.S=R is Self Employed	41	25	493							
.W=Skip,not working	12452	11781	10713							
0.Not the same Job as Previ	2099	1793	1638							
1.Same Job as Previous Wave	5638	4955	3971							

SwSAMEMP: Same Employer as Last Wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA			1	3	1			4		2
.M=Oth missing		38	3	16	13	6	5	14	12	6
.P=No Previous Interview		4140	215	3125	221	181	2142	176	126	3649
.R=RF						1			1	
.S=R is Self Employed		208	25	379	25	29	343	23	13	447
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
.W=Skip,not working		3268	6612	6131	7239	7028	6660	6770	6332	6062
0.Not the same Employer as		1015	1080	970	1147	1226	887	1024	806	633
1.Same Employer as Previous		4421	3981	3356	4084	3168	2935	3724	3356	2714

Value	w11	w12	w13
.D=DK/NA	1	1	1
.M=Oth missing	9	14	16
.P=No Previous Interview	273	144	2243
.R=RF	1	1	
.S=R is Self Employed	40	23	274
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6854	6268	5514
0.Not the same Employer as	1084	903	841
1.Same Employer as Previous	4226	3658	2890

SwSAMEJOB: Same Job title as last Wave

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA		1								2
.M=Oth missing		284	89	237	147	183	28	1297	56	14
.P=No Previous Interview		4140	215	3125	221	181	2142	176	126	3649
.Q=Not asked this wv			169							
.R=RF					1					
.S=R is Self Employed		208	25	379	25	29	343	23	13	447
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		584	417	536	311	220	380	317	365	722
.W=Skip,not working		3268	6612	6131	7239	7028	6660	6770	6332	6062
0.Not the same Job as Previ		1316	1351	1409	1439	1428	1071	1187	1046	808
1.Same Job as Previous Wave		3873	3456	2699	3658	2790	2728	2282	3073	2531

Value	w11	w12	w13
.D=DK/NA			
.M=Oth missing	17	19	22
.P=No Previous Interview	273	144	2243
.Q=Not asked this wv			
.R=RF			
.S=R is Self Employed	40	23	274
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6854	6268	5514
0.Not the same Job as Previ	1369	1161	1035
1.Same Job as Previous Wave	3935	3397	2691

How Constructed

RwSAMEMP is 1 if the Respondent reports working for the same employer as the previous wave. If the Respondent is self-employed in both the current and previous wave, RwSAMEMP is also 1. If this is the Respondents first interview, RwSAMEMP=.P. If the Respondent is not working, RwSAMEMP=.W.

This variable is derived from the question in the Employment section:

"STILL WORKING PREV EMPLOYER According to our records, in [Previous Wave Month] [Previous Wave Year] you were [working for [Prev Wave Old Employer Name]/someone else]. Are you still working [there/for that same employer]?"

RwSAMEJOB is 1 if the Respondent reports having the same job as the previous interview. If this is the Respondents first interview, RwSAMEJOB=.P. If the Respondent is not working, RwSAMEJOB=.W.

Until Wave 12, if the Respondent reports being self-employed in the current wave and the previous wave, RwSAMEJOB=1. From Wave 12, an additional question is asked about if the business has changed. If the Respondent reports the business has changed from the previous wave, RwSAMEJOB=0.

This variable is derived from the following questions in the Employment Section:

"SAME JOB TITLE AS PREVIOUS WAVE [In [Prev IW Month] [Prev IW Year] our records indicate that your job title was [Prev Wave Job Title]. Is this still the case? / Is your job title still the same as it was in [Prev IW Month] [Prev IW Year]?]"

"WORK FOR SOMEONE ELSE/SLF-EMPLOYED According to our records, in [Prev Wave IW Month] [Prev Wave IW Year] you were self-employed. Do you have the same business that you had in [Prev Wave IW Month] [Prev Wave IW Year] or is it a different business?"

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwSAMEMP and RwSAMEJOB.

Cross Wave Differences in Original HRS Data

1995 Ahead does not ask the question about having the same job title as last wave so we set R3SAMEJOB = .Q.

In Wave 8 a number Respondents were not asked the question about same job title, if they reported working for the same employer as the last wave. We set R8SAMEJOB=.Q for these cases. This was part of an experimental skip pattern that was not repeated in subsequent waves.

HRS Variables Used

AHEAD 1993:

B1174 G1. WORKING CURRENTLY?

HRS 1994:

W3316 FA2.WORKING FOR PAY

W3458 FA19.STILL WORKING FOR W

W3502 FA21.SAME JOB TITLE AS W

AHEAD 1995:

D2747 GA19. STILL WORKING SAME EMPLOYER

HRS 1996:

E2627 G2.WORKING FOR PAY

E2654 G19A.STILL WORKNG FOR PREV WAVE EMPLOYER

E2655 G19B.STILL WORKING PREV EMPLOYER

E2662 G21.SAME JOB TITLE AS PREVIOUS WAVE

HRS 1998:
F3131 G2.WORKING FOR PAY
F3158 G19A.STILL WORKING FOR PREV WAVE EMPLOYE
F3166 G19B.STILL WORKING PREV EMPLOYER
F3183 G21.SAME JOB TITLE AS PREVIOUS WAVE
HRS 2000:
G3381 G2.WORKING FOR PAY
G3416 G19B.STILL WORKING PREV EMPLOYER
G3432 G21.SAME JOB TITLE AS PREVIOUS WAVE
HRS 2002-2016:
xJ020 WORKING FOR PAY
xJ045 STILL WORKING PREV EMPLOYER
xJ058 SAME JOB TITLE AS PREVIOUS WAVE
HRS 2014-2016:
xJ958 WORK FOR SOMEONE ELSE/SLF-EMPLOYED

Labor Force Status

Wave	Variable	Label	Type
1	R1LBRF	R1LBRF:W1 R Labor Force Status	Categ
2	R2LBRF	R2LBRF:W2 R Labor Force Status	Categ
3	R3LBRF	R3LBRF:W3 R Labor Force Status	Categ
4	R4LBRF	R4LBRF:W4 R Labor Force Status	Categ
5	R5LBRF	R5LBRF:W5 R Labor Force Status	Categ
6	R6LBRF	R6LBRF:W6 R Labor Force Status	Categ
7	R7LBRF	R7LBRF:W7 R Labor Force Status	Categ
8	R8LBRF	R8LBRF:W8 R Labor Force Status	Categ
9	R9LBRF	R9LBRF:W9 R Labor Force Status	Categ
10	R10LBRF	R10LBRF:W10 R Labor Force Status	Categ
11	R11LBRF	R11LBRF:W11 R Labor Force Status	Categ
12	R12LBRF	R12LBRF:W12 R Labor Force Status	Categ
13	R13LBRF	R13LBRF:W13 R Labor Force Status	Categ
1	S1LBRF	S1LBRF:W1 S Labor Force Status	Categ
2	S2LBRF	S2LBRF:W2 S Labor Force Status	Categ
3	S3LBRF	S3LBRF:W3 S Labor Force Status	Categ
4	S4LBRF	S4LBRF:W4 S Labor Force Status	Categ
5	S5LBRF	S5LBRF:W5 S Labor Force Status	Categ
6	S6LBRF	S6LBRF:W6 S Labor Force Status	Categ
7	S7LBRF	S7LBRF:W7 S Labor Force Status	Categ
8	S8LBRF	S8LBRF:W8 S Labor Force Status	Categ
9	S9LBRF	S9LBRF:W9 S Labor Force Status	Categ
10	S10LBRF	S10LBRF:W10 S Labor Force Status	Categ
11	S11LBRF	S11LBRF:W11 S Labor Force Status	Categ
12	S12LBRF	S12LBRF:W12 S Labor Force Status	Categ
13	S13LBRF	S13LBRF:W13 S Labor Force Status	Categ
1	R1LBRFH	R1LBRFH:W1 Labor Force Status, No Week Restriction	Categ
2	R2LBRFH	R2LBRFH:W2 Labor Force Status, No Week Restriction	Categ
3	R3LBRFH	R3LBRFH:W3 Labor Force Status, No Week Restriction	Categ
4	R4LBRFH	R4LBRFH:W4 Labor Force Status, No Week Restriction	Categ
5	R5LBRFH	R5LBRFH:W5 Labor Force Status, No Week Restriction	Categ
6	R6LBRFH	R6LBRFH:W6 Labor Force Status, No Week Restriction	Categ
7	R7LBRFH	R7LBRFH:W7 Labor Force Status, No Week Restriction	Categ
8	R8LBRFH	R8LBRFH:W8 Labor Force Status, No Week Restriction	Categ
9	R9LBRFH	R9LBRFH:W9 Labor Force Status, No Week Restriction	Categ
10	R10LBRFH	R10LBRFH:W10 Labor Force Status, No Week Restriction	Categ
11	R11LBRFH	R11LBRFH:W11 Labor Force Status, No Week Restriction	Categ
12	R12LBRFH	R12LBRFH:W12 Labor Force Status, No Week Restriction	Categ
13	R13LBRFH	R13LBRFH:W13 Labor Force Status, No Week Restriction	Categ
1	S1LBRFH	S1LBRFH:W1 Labor Force Status, No Week Restriction	Categ
2	S2LBRFH	S2LBRFH:W2 Labor Force Status, No Week Restriction	Categ
3	S3LBRFH	S3LBRFH:W3 Labor Force Status, No Week Restriction	Categ
4	S4LBRFH	S4LBRFH:W4 Labor Force Status, No Week Restriction	Categ
5	S5LBRFH	S5LBRFH:W5 Labor Force Status, No Week Restriction	Categ
6	S6LBRFH	S6LBRFH:W6 Labor Force Status, No Week Restriction	Categ
7	S7LBRFH	S7LBRFH:W7 Labor Force Status, No Week Restriction	Categ
8	S8LBRFH	S8LBRFH:W8 Labor Force Status, No Week Restriction	Categ
9	S9LBRFH	S9LBRFH:W9 Labor Force Status, No Week Restriction	Categ
10	S10LBRFH	S10LBRFH:W10 Labor Force Status, No Week Restriction	Categ
11	S11LBRFH	S11LBRFH:W11 Labor Force Status, No Week Restriction	Categ
12	S12LBRFH	S12LBRFH:W12 Labor Force Status, No Week Restriction	Categ
13	S13LBRFH	S13LBRFH:W13 Labor Force Status, No Week Restriction	Categ
1	R1LBRFY	R1LBRFY:W1 Labor Force Status Year Round Flag	Categ
2	R2LBRFY	R2LBRFY:W2 Labor Force Status Year Round Flag	Categ
3	R3LBRFY	R3LBRFY:W3 Labor Force Status Year Round Flag	Categ
4	R4LBRFY	R4LBRFY:W4 Labor Force Status Year Round Flag	Categ
5	R5LBRFY	R5LBRFY:W5 Labor Force Status Year Round Flag	Categ
6	R6LBRFY	R6LBRFY:W6 Labor Force Status Year Round Flag	Categ
7	R7LBRFY	R7LBRFY:W7 Labor Force Status Year Round Flag	Categ
8	R8LBRFY	R8LBRFY:W8 Labor Force Status Year Round Flag	Categ
9	R9LBRFY	R9LBRFY:W9 Labor Force Status Year Round Flag	Categ
10	R10LBRFY	R10LBRFY:W10 Labor Force Status Year Round Flag	Categ

11	R11LBRFY	R11LBRFY:W11 Labor Force Status Year Round Flag	Categ
12	R12LBRFY	R12LBRFY:W12 Labor Force Status Year Round Flag	Categ
13	R13LBRFY	R13LBRFY:W13 Labor Force Status Year Round Flag	Categ
1	S1LBRFY	S1LBRFY:W1 Labor Force Status Year Round Flag	Categ
2	S2LBRFY	S2LBRFY:W2 Labor Force Status Year Round Flag	Categ
3	S3LBRFY	S3LBRFY:W3 Labor Force Status Year Round Flag	Categ
4	S4LBRFY	S4LBRFY:W4 Labor Force Status Year Round Flag	Categ
5	S5LBRFY	S5LBRFY:W5 Labor Force Status Year Round Flag	Categ
6	S6LBRFY	S6LBRFY:W6 Labor Force Status Year Round Flag	Categ
7	S7LBRFY	S7LBRFY:W7 Labor Force Status Year Round Flag	Categ
8	S8LBRFY	S8LBRFY:W8 Labor Force Status Year Round Flag	Categ
9	S9LBRFY	S9LBRFY:W9 Labor Force Status Year Round Flag	Categ
10	S10LBRFY	S10LBRFY:W10 Labor Force Status Year Round Flag	Categ
11	S11LBRFY	S11LBRFY:W11 Labor Force Status Year Round Flag	Categ
12	S12LBRFY	S12LBRFY:W12 Labor Force Status Year Round Flag	Categ
13	S13LBRFY	S13LBRFY:W13 Labor Force Status Year Round Flag	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1LBRF	12652	2.75	2.21	1.0	7.0
R2LBRF	16488	3.42	2.06	1.0	7.0
R3LBRF	17991	3.97	2.06	1.0	7.0
R4LBRF	21384	3.94	2.07	1.0	7.0
R5LBRF	19578	4.08	2.04	1.0	7.0
R6LBRF	18165	4.21	1.96	1.0	7.0
R7LBRF	20129	3.92	2.00	1.0	7.0
R8LBRF	18469	4.03	1.92	1.0	7.0
R9LBRF	17217	4.08	1.86	1.0	7.0
R10LBRF	22034	3.72	1.94	1.0	7.0
R11LBRF	20554	3.77	1.88	1.0	7.0
R12LBRF	18747	3.86	1.83	1.0	7.0
R13LBRF	20912	3.65	1.95	1.0	7.0
S1LBRF	9900	2.75	2.22	1.0	7.0
S2LBRF	11605	3.28	2.09	1.0	7.0
S3LBRF	11917	3.76	2.10	1.0	7.0
S4LBRF	13980	3.74	2.11	1.0	7.0
S5LBRF	12730	3.86	2.09	1.0	7.0
S6LBRF	11639	4.00	2.02	1.0	7.0
S7LBRF	12972	3.71	2.05	1.0	7.0
S8LBRF	11735	3.83	1.98	1.0	7.0
S9LBRF	10646	3.87	1.93	1.0	7.0
S10LBRF	13513	3.55	1.99	1.0	7.0
S11LBRF	12488	3.58	1.94	1.0	7.0
S12LBRF	11012	3.67	1.91	1.0	7.0
S13LBRF	11779	3.46	2.00	1.0	7.0
R1LBRFH	12652	2.73	2.22	1.0	7.0
R2LBRFH	16488	3.41	2.07	1.0	7.0
R3LBRFH	17991	3.96	2.07	1.0	7.0
R4LBRFH	21384	3.92	2.08	1.0	7.0
R5LBRFH	19578	4.06	2.06	1.0	7.0
R6LBRFH	18165	4.19	1.98	1.0	7.0
R7LBRFH	20129	3.90	2.02	1.0	7.0
R8LBRFH	18469	4.01	1.94	1.0	7.0
R9LBRFH	17217	4.06	1.87	1.0	7.0
R10LBRFH	22034	3.70	1.95	1.0	7.0

R11LBRFH	20554	3.75	1.90	1.0	7.0
R12LBRFH	18747	3.84	1.85	1.0	7.0
R13LBRFH	20912	3.63	1.97	1.0	7.0
S1LBRFH	9900	2.72	2.22	1.0	7.0
S2LBRFH	11605	3.26	2.10	1.0	7.0
S3LBRFH	11917	3.74	2.11	1.0	7.0
S4LBRFH	13980	3.72	2.13	1.0	7.0
S5LBRFH	12730	3.84	2.11	1.0	7.0
S6LBRFH	11639	3.97	2.04	1.0	7.0
S7LBRFH	12972	3.68	2.07	1.0	7.0
S8LBRFH	11735	3.80	2.00	1.0	7.0
S9LBRFH	10646	3.85	1.94	1.0	7.0
S10LBRFH	13513	3.52	2.01	1.0	7.0
S11LBRFH	12488	3.56	1.96	1.0	7.0
S12LBRFH	11012	3.64	1.93	1.0	7.0
S13LBRFH	11779	3.43	2.02	1.0	7.0
R1LBRFY	7852	0.86	0.35	0.0	1.0
R2LBRFY	7211	0.84	0.37	0.0	1.0
R3LBRFY	5670	0.83	0.37	0.0	1.0
R4LBRFY	6876	0.84	0.36	0.0	1.0
R5LBRFY	5740	0.83	0.37	0.0	1.0
R6LBRFY	4712	0.83	0.38	0.0	1.0
R7LBRFY	6263	0.84	0.37	0.0	1.0
R8LBRFY	5154	0.85	0.36	0.0	1.0
R9LBRFY	4466	0.84	0.37	0.0	1.0
R10LBRFY	7197	0.81	0.39	0.0	1.0
R11LBRFY	6341	0.81	0.39	0.0	1.0
R12LBRFY	5336	0.79	0.41	0.0	1.0
R13LBRFY	7180	0.80	0.40	0.0	1.0
S1LBRFY	6178	0.85	0.36	0.0	1.0
S2LBRFY	5550	0.84	0.37	0.0	1.0
S3LBRFY	4311	0.83	0.38	0.0	1.0
S4LBRFY	5127	0.84	0.37	0.0	1.0
S5LBRFY	4328	0.83	0.38	0.0	1.0
S6LBRFY	3544	0.81	0.39	0.0	1.0
S7LBRFY	4669	0.83	0.37	0.0	1.0
S8LBRFY	3848	0.84	0.36	0.0	1.0
S9LBRFY	3263	0.83	0.37	0.0	1.0
S10LBRFY	5004	0.81	0.39	0.0	1.0
S11LBRFY	4456	0.81	0.40	0.0	1.0
S12LBRFY	3691	0.79	0.41	0.0	1.0
S13LBRFY	4628	0.79	0.40	0.0	1.0

Categorical Variable Codes

RwLBRF: R Labor Force Status											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,presumed retired	|		2972								
.Q=Not asked,Lt65,not worke	|		46								
.T=Worked last 2 yr,now not	|		136								
1.Works FT	|	6633	5614	4698	5728	4724	3773	5182	4223	3682	5979
2.Works PT	|	1285	1625	962	1162	1025	916	1119	932	781	1382
3.Unemployed	|	408	323	231	239	206	246	313	215	238	899
4.Partly retired	|	452	588	1177	1511	1455	1373	1540	1487	1415	1496
5.Retired	|	2027	6796	8169	9445	8849	8819	9451	9480	9363	10387
6.Disabled	|	483	522	648	848	768	642	563	519	424	633
7.Not in LbrF	|	1364	1020	2106	2451	2551	2396	1961	1613	1314	1258
Value		w11	w12	w13							
.A=65+,presumed retired	|										
.Q=Not asked,Lt65,not worke	|										
.T=Worked last 2 yr,now not	|										
1.Works FT	|	5323	4484	6137							
2.Works PT	|	1209	1029	1246							
3.Unemployed	|	661	416	533							
4.Partly retired	|	1434	1376	1403							
5.Retired	|	10491	10295	9926							
6.Disabled	|	540	424	737							
7.Not in LbrF	|	896	723	930							
SwLBRF: S Labor Force Status											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,presumed retired	|		1354								
.Q=Not asked,Lt65,not worke	|		45								
.T=Worked last 2 yr,now not	|		86								
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
1.Works FT	|	5196	4343	3571	4295	3580	2838	3858	3135	2687	4165
2.Works PT	|	1018	1209	717	836	749	679	819	695	561	928
3.Unemployed	|	297	206	156	162	140	162	212	135	154	565
4.Partly retired	|	381	478	900	1109	1052	990	1086	1043	996	1016
5.Retired	|	1604	4283	4975	5614	5334	5285	5541	5525	5278	5699
6.Disabled	|	263	269	308	414	360	310	271	249	187	310
7.Not in LbrF	|	1141	817	1290	1550	1515	1375	1185	953	783	830
Value		w11	w12	w13							
.A=65+,presumed retired	|										
.Q=Not asked,Lt65,not worke	|										
.T=Worked last 2 yr,now not	|										
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
1.Works FT	|	3728	3107	3954							
2.Works PT	|	839	683	781							
3.Unemployed	|	414	252	277							
4.Partly retired	|	933	880	870							
5.Retired	|	5728	5412	5018							
6.Disabled	|	251	195	303							
7.Not in LbrF	|	595	483	576							

RwLBRFH: Labor Force Status, No Week Restriction

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,presumed retired		2972								
.Q=Not asked,Lt65,not worke		46								
.T=Worked last 2 yr,now not		136								
1.Works FT	6855	5797	4880	5940	4923	3957	5401	4410	3842	6249
2.Works PT	1109	1491	852	1041	910	828	980	820	695	1196
3.Unemployed	408	323	231	239	206	246	313	215	238	899
4.Partly retired	406	539	1105	1420	1371	1277	1460	1412	1341	1412
5.Retired	2027	6796	8169	9445	8849	8819	9451	9480	9363	10387
6.Disabled	483	522	648	848	768	642	563	519	424	633
7.Not in LbrF	1364	1020	2106	2451	2551	2396	1961	1613	1314	1258

Value	w11	w12	w13
.A=65+,presumed retired			
.Q=Not asked,Lt65,not worke			
.T=Worked last 2 yr,now not			
1.Works FT	5555	4695	6432
2.Works PT	1055	896	1050
3.Unemployed	661	416	533
4.Partly retired	1356	1298	1304
5.Retired	10491	10295	9926
6.Disabled	540	424	737
7.Not in LbrF	896	723	930

SwLBRFH: Labor Force Status, No Week Restriction

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+,presumed retired		1354								
.Q=Not asked,Lt65,not worke		45								
.T=Worked last 2 yr,now not		86								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
1.Works FT	5368	4493	3719	4462	3735	2983	4029	3280	2801	4359
2.Works PT	888	1102	632	745	666	615	717	615	503	800
3.Unemployed	297	206	156	162	140	162	212	135	154	565
4.Partly retired	339	435	837	1033	980	909	1017	978	940	950
5.Retired	1604	4283	4975	5614	5334	5285	5541	5525	5278	5699
6.Disabled	263	269	308	414	360	310	271	249	187	310
7.Not in LbrF	1141	817	1290	1550	1515	1375	1185	953	783	830

Value	w11	w12	w13
.A=65+,presumed retired			
.Q=Not asked,Lt65,not worke			
.T=Worked last 2 yr,now not			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
1.Works FT	3901	3255	4142
2.Works PT	722	588	655
3.Unemployed	414	252	277
4.Partly retired	877	827	808
5.Retired	5728	5412	5018
6.Disabled	251	195	303
7.Not in LbrF	595	483	576

RwLBRFY: Labor Force Status Year Round Flag

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	112	77	62	105	93	73	118	76	71	248
.S=Not Working FT/PT	|	4688	12354	12259	14403	13745	13380	13748	13239	12680	14589
0.Works Part Year	|	1135	1155	936	1075	957	819	1009	796	720	1335
1.Works Year Round	|	6717	6056	4734	5801	4783	3893	5254	4358	3746	5862

Value		w11	w12	w13
.M=Oth missing	|	269	255	302
.S=Not Working FT/PT	|	13944	13156	13430
0.Works Part Year	|	1206	1112	1428
1.Works Year Round	|	5135	4224	5752

SwLBRFY: Labor Force Status Year Round Flag

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	78	45	40	80	73	54	77	47	41	155
.S=Not Working FT/PT	|	3644	7495	7566	8773	8329	8041	8226	7840	7342	8354
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.Works Part Year	|	916	889	731	823	745	660	780	604	539	941
1.Works Year Round	|	5262	4661	3580	4304	3583	2884	3889	3244	2724	4063

Value		w11	w12	w13
.M=Oth missing	|	167	152	169
.S=Not Working FT/PT	|	7865	7169	6982
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
0.Works Part Year	|	864	793	950
1.Works Year Round	|	3592	2898	3678

How Constructed

RwLBRF summarizes the labor force status for the Respondent at each wave as working full-time, working part-time, unemployed, partly retired, retired, disabled, or not in the labor force. SwLBRF summarizes the labor force status for the Respondent's spouse or partner.

The derivation uses many different questions that are available each wave. A Respondent can give evidence of working, being retired, and disability alone or in combination with other statuses. RwLBRF attempts to pull information from several sources, and sort through the discrepancies.

If the Respondent is working full-time, RwLBRF is set to this status. If s/he is working part-time and mentions retirement, RwLBRF is set to partly retired. If there is no mention of retirement, RwLBRF is set to working part-time.

If the Respondent is not working but is looking for a job, RwLBRF is set to unemployed. If the Respondent is not looking for a job and there is any mention of retirement, RwLBRF is set to retired. If retirement is not mentioned and a disabled employment status is given, RwLBRF is set to disabled. Otherwise, RwLBRF is set to "not in the labor force."

Working 35+ hours per week, 36+ weeks per year is considered full-time. Less than this is considered part-time. The hours and

weeks from both the main and second job are considered in determining whether the Respondent is working full-time or part-time. In Wave 2A, there are no questions about a second job, so for the AHEAD Respondents, the hours and weeks from the main job only are considered.

A mention of retirement can be made either through the employment status or the questions that ask the Respondent whether s/he considers himself retired. Please see descriptions of `RwSAYRET` and `RwRETEMP` in the Retirement Plans and Expectations section.

Specific questions ask about whether the Respondent is looking for a full-time or part-time job.

In Wave 2A, there are neither questions about employment status nor the questions that ask the Respondent whether s/he considers himself retired, nor are there questions that ask about whether the Respondent is looking for a full-time or part-time job. So for the AHEAD Respondents, it is only possible to assign working full-time and working part-time codes in `R2LBRF` based on information from Wave 2A. To assign other codes for unemployed, retired and disabled, the information from subsequent waves is used.

If in a subsequent wave the Respondent reports being unemployed, retired or disabled, the date of unemployment, retirement or disability is compared with interview date. If the interview date is after the date of unemployment, retirement or disability, `R2LBRF` is set to the appropriate status.

If no information from a subsequent wave is used, then additional codes are assigned for AHEAD Respondents for `R2LBRF`. If the Respondent is not working now, but has worked in the last two years, a SAS special missing code of `.T` is assigned.

If the Respondent is not working now, and has not worked in the prior two years, but is over 65 years old, the SAS missing code `.A` is assigned. The analyst may want to assume these cases are retired. If the Respondent is not working now, and has not worked in the prior two years, and is not over 65 years old the code `.Q` is assigned, as the employment status was not asked.

There are some cases where the unemployment variable (`RwUNEMP`) does not match the Labor force variable (`RwLBRF`). This is due to slight coding differences. The Respondent must say s/he is looking for work to be considered to be unemployed in `RwLBRF`. It is not enough to mention being unemployed in the employment status variables. Whereas, a mention of being unemployed in the employment status variables will result in `RwUNEMP` being set to 1.Yes.

`SwLBRF` is taken from the wave "w" spouse's self-report, i.e., from the spouse's `RwLBRF`.

`RwLBRFH` also summarizes the labor force status for the Respondent at each wave using the same sources. However, this variable invokes no week restriction where working 35+ hours per week is considered full-time employment, and working between 1 and 34 hours per week is considered part-time. `SwLBRFH` is taken from the wave "w" Spouse's self-report, i.e., from the Spouse's `RwLBRFH`.

For Respondents who have a labor force status classification of full-time or part-time in `RwLBRFH`, `RwLBRFY` indicates year-round and part-year employment. `RwLBRFY` flags Respondents working 50+ weeks per year as year-round employment, and working fewer than 50 weeks per year as part-year employment. `SwLBRFY` is taken from the wave "w" Spouse's self-report, i.e., from the Spouse's `RwLBRFY`.

Cross Wave Differences in Original HRS Data

Labor force status uses many pieces of employment data: whether working for pay, employment status, whether considers one's self retired, usual hours worked per week, usual weeks worked per year, second job, hours per week and weeks per year on second job, and whether looking for work.

These pieces are available in all waves, except Wave 2A. The wording for all of these questions is the same or similar across all waves where available. For more details please see `RwWORK` and `RwWORK2` under "Currently working for pay" and `RwJHOURS` and `RwJHOUR2` under "Hours worked per week" in this section (Employment), and `RwSAYRET` under "Considers self retired," and `RwRETEMP` under "Retired Employment Status" in the Retirement Plans and Expectations Section.

The questions about usual hours and weeks worked per year are asked of working Respondents each wave. In all but Wave 2A these questions are asked about the second job, if any. In Wave 2A these questions are asked about the main job only.

The question about looking for work is asked of Respondents who are not working. This question is asked in all waves except Wave 2A.

Though the wording of these questions is similar across waves, the navigation through the survey instrument and skip patterns vary quite a bit for some of these variables.

HRS Variables Used

HRS 1992:

V12717	F2:ANY WRK FOR PAY :IND
V2701	F1A:WORKING
V2702	F1B:UNEMP-LOOKING FR WRK
V2703	F1C:SICK/OTHER LEAVE
V2704	F1D:DISABLED
V2705	F1E:RETIRED
V2706	F1F:HOMEMAKER
V2707	F1G:OTHER
V2717	F2:ANY WRK FOR PAY :IMP
V2722	F8:WRK HRS/WK:THIS JOB
V2726	F10:WKS/YR WORKING
V2822	F28:S-E:WRK HRS/WK
V2823	F29:S-E:WRKING WKS /YR
V3327	F86:DNG ANY OTR WRK :IMP
V3332	F87:HRS/WK WRK OTHR JOB
V3333	F88:WKS/YR WRK OTHR JOB
V3530	G39:LKING JB LAST 4 WKS
V3531	G40:LKING PART/FULL TIME
V3549	G44:CURR WANT JOB
V3550	G44A:PREFR FULL/PRT TIME
V4901	K1:RETRD:PART,ALL,OR:IMP

AHEAD 1993:

B1174	G1. WORKING CURRENTLY?
B1186	G6. CURR WORK: # HOURS PER WEEK
B1187	G6A. CURR WORK: # WEEKS PER YEAR

HRS 1994:

W3300	FA1.CURRENT JOB STATUS
W3301	FA1.CURRENT JOB STATUS
W3302	FA1.CURRENT JOB STATUS
W3316	FA2.WORKING FOR PAY
W3617	FA44.HOURS WORK PER WEEK
W3623	FA47.NUMBER WEEKS PER YE
W3956	FA117.ANY OTHER PAID WOR
W3961	FA118.HOURS/WEEK ON 2ND
W3962	FA119.WEEKS/YEAR ON 2ND
W3983	FA123.CONSIDER SELF RETI
W4313	FB17.HOURS WORK PER WEEK
W4314	FB18.WEEKS WORK PER YEAR
W4611	FB77.ANY OTHER PAID WORK
W4616	FB78.HOURS/WEEK SECOND J
W4617	FB79.WEEKS/YEAR SECOND J
W4638	FB83.RETIREMENT
W5002	FC28.DOING TO FIND WORK
W5003	FC29.LOOKING FULL/PART T

W5017	FC33.WANT JOB CURRENTLY
W5018	FC33a.WANT FULL/PART TIM
W5022	FC41.RETIREMENT
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2651	GA2.WORKING ANY CURRENT
D2652	GA2A.RETIRED WORK ANY SINCE W1
D2836	GA44. HOURS/WEEK WORKED
D2846	GA47. WEEKS/YEAR WORKED
D3110	GA117. ANY OTHER PAID WORK
D3112	GA118. HOURS/WEEK SECOND JOBS
D3113	GA119. WEEKS/YEAR SECOND JOBS
D3130	GA123.RETIREMENT
D3256	GB17. HOURS/WEEK WORKED
D3257	GB18. WEEKS/YEAR WORKED
D3489	GB83.RETIREMENT
D3696	GC28.FIND WORK
D3697	GC29.LOOK FOR PART TIME OR FULL TIME
D3705	GC33.CURRENTLY WANT JOB
D3706	GC33A.PREFER PART TIME OR FULL TIME
D3711	GC41.RETIREMENT
D3728	GC47. WORK AFTER/BEFORE
HRS 1996:	
E2611M1	G1.CURRENT JOB STATUS
E2611M2	G1.CURRENT JOB STATUS
E2611M3	G1.CURRENT JOB STATUS
E2627	G2.WORKING FOR PAY
E2736	G44.HOURS WORK PER WEEK
E2746	G47.WEEKS PER YEAR USUALLY WORK
E2984	G115.DOING TO FIND WORK
E2985	G116.LOOKING FULL/PART-TIME WORK
E2993	G119.WANT JOB CURRENTLY
E2994	G119A.WANT FULL/PART-TIME WORK?
E3019	G128.ANY OTHER PAID WORK
E3021	G129.HOURS/WEEK ON 2ND JOB
E3022	G130.WEEKS/YEAR ON 2ND JOB
E3039	G134.CONSIDER SELF RETIRED
HRS 1998:	
F3115M1	G1.CURRENT JOB STATUS
F3115M2	G1.CURRENT JOB STATUS
F3115M3	G1.CURRENT JOB STATUS
F3131	G2.WORKING FOR PAY
F3259	G44.HOURS WORK PER WEEK
F3269	G47.WEEKS PER YEAR USUALLY WORK
F3513	G115.DOING TO FIND WORK
F3514	G116.LOOKING FULL/PART-TIME WORK
F3522	G119.WANT JOB CURRENTLY
F3523	G119A.WANT FULL/PART-TIME WORK?
F3549	G128.ANY OTHER PAID WORK
F3551	G129.HOURS/WEEK ON 2ND JOB
F3552	G130.WEEKS/YEAR ON 2ND JOB
F3570	G134.CONSIDER SELF RETIRED
HRS 2000:	
G3365M1	G1.CURRENT JOB STATUS
G3365M2	G1.CURRENT JOB STATUS
G3365M3	G1.CURRENT JOB STATUS
G3381	G2.WORKING FOR PAY

G3509	G44.HOURS WORK PER WEEK
G3519	G47.WEEKS PER YEAR USUALLY WORK
G3800	G115.DOING TO FIND WORK
G3801	G116.LOOKING FULL/PART-TIME WORK
G3809	G119.WANT JOB CURRENTLY
G3810	G119A.WANT FULL/PART-TIME WORK?
G3838	G128.ANY OTHER PAID WORK
G3840	G129.HOURS/WEEK ON 2ND JOB
G3841	G130.WEEKS/YEAR ON 2ND JOB
G3859	G134.CONSIDER SELF RETIRED
HRS 2002-2014:	
xJ578	CONSIDER SELF RETIRED
HRS 2002-2016:	
xJ005M1	CURRENT JOB STATUS- 1
xJ005M2	CURRENT JOB STATUS- 2
xJ005M3	CURRENT JOB STATUS- 3
xJ020	WORKING FOR PAY
xJ172	HRS WORK PER WEEK
xJ179	WKS PR YR USUALLY WORK
xJ517	DOING WHAT TO FIND WORK- NOT WORKING
xJ518	LOOKING FULL/PART-TIME WORK- NOT WORKING
xJ527	WANT JOB CURRENTLY
xJ528	WANT FULL/PART-TIME WORK- NOT WORKING
xJ553	ANY OTR PAID WORK
xJ556	HRS/WK ON 2ND JOB
xJ557	WKS/YR ON 2ND JOB

In the labor force

Wave	Variable	Label	Type
1	R1INLBRF	R1INLBRF:W1 =1 if R is in the labor force	Categ
2	R2INLBRF	R2INLBRF:W2 =1 if R is in the labor force	Categ
3	R3INLBRF	R3INLBRF:W3 =1 if R is in the labor force	Categ
4	R4INLBRF	R4INLBRF:W4 =1 if R is in the labor force	Categ
5	R5INLBRF	R5INLBRF:W5 =1 if R is in the labor force	Categ
6	R6INLBRF	R6INLBRF:W6 =1 if R is in the labor force	Categ
7	R7INLBRF	R7INLBRF:W7 =1 if R is in the labor force	Categ
8	R8INLBRF	R8INLBRF:W8 =1 if R is in the labor force	Categ
9	R9INLBRF	R9INLBRF:W9 =1 if R is in the labor force	Categ
10	R10INLBRF	R10INLBRF:W10 =1 if R is in the labor force	Categ
11	R11INLBRF	R11INLBRF:W11 =1 if R is in the labor force	Categ
12	R12INLBRF	R12INLBRF:W12 =1 if R is in the labor force	Categ
13	R13INLBRF	R13INLBRF:W13 =1 if R is in the labor force	Categ
1	S1INLBRF	S1INLBRF:W1 =1 if S is in the labor force	Categ
2	S2INLBRF	S2INLBRF:W2 =1 if S is in the labor force	Categ
3	S3INLBRF	S3INLBRF:W3 =1 if S is in the labor force	Categ
4	S4INLBRF	S4INLBRF:W4 =1 if S is in the labor force	Categ
5	S5INLBRF	S5INLBRF:W5 =1 if S is in the labor force	Categ
6	S6INLBRF	S6INLBRF:W6 =1 if S is in the labor force	Categ
7	S7INLBRF	S7INLBRF:W7 =1 if S is in the labor force	Categ
8	S8INLBRF	S8INLBRF:W8 =1 if S is in the labor force	Categ
9	S9INLBRF	S9INLBRF:W9 =1 if S is in the labor force	Categ
10	S10INLBRF	S10INLBRF:W10 =1 if S is in the labor force	Categ
11	S11INLBRF	S11INLBRF:W11 =1 if S is in the labor force	Categ
12	S12INLBRF	S12INLBRF:W12 =1 if S is in the labor force	Categ
13	S13INLBRF	S13INLBRF:W13 =1 if S is in the labor force	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1INLBRF	12637	0.70	0.46	0.0	1.0
R2INLBRF	16443	0.50	0.50	0.0	1.0
R3INLBRF	17638	0.40	0.49	0.0	1.0
R4INLBRF	20919	0.41	0.49	0.0	1.0
R5INLBRF	19092	0.39	0.49	0.0	1.0
R6INLBRF	17683	0.36	0.48	0.0	1.0
R7INLBRF	19653	0.41	0.49	0.0	1.0
R8INLBRF	18019	0.38	0.49	0.0	1.0
R9INLBRF	16756	0.36	0.48	0.0	1.0
R10INLBRF	21366	0.46	0.50	0.0	1.0
R11INLBRF	20021	0.43	0.50	0.0	1.0
R12INLBRF	18266	0.40	0.49	0.0	1.0
R13INLBRF	20377	0.46	0.50	0.0	1.0
S1INLBRF	9895	0.70	0.46	0.0	1.0
S2INLBRF	11574	0.54	0.50	0.0	1.0
S3INLBRF	11818	0.45	0.50	0.0	1.0
S4INLBRF	13883	0.46	0.50	0.0	1.0
S5INLBRF	12628	0.44	0.50	0.0	1.0
S6INLBRF	11548	0.40	0.49	0.0	1.0
S7INLBRF	12889	0.46	0.50	0.0	1.0
S8INLBRF	11651	0.43	0.50	0.0	1.0
S9INLBRF	10562	0.42	0.49	0.0	1.0
S10INLBRF	13291	0.50	0.50	0.0	1.0
S11INLBRF	12376	0.48	0.50	0.0	1.0

S12INLBRF	10919	0.45	0.50	0.0	1.0
S13INLBRF	11659	0.50	0.50	0.0	1.0

Categorical Variable Codes

RwINLBRF: =1 if R is in the labor force

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+ presumed retired		2991								
.D=DK		2	6			1	2	2	2	2
.I=Institutionalized		8	298	429	456	460	460	438	441	469
.M=Oth missing	15	25	47	30	26	15	11	10	14	185
.Q=Not asked,Lt65,not worki		51								
.R=RF		4	2	6	4	6	3		4	12
.T=Not working now,worked 1		118								
0.No	3854	8296	10590	12287	11685	11379	11501	11161	10642	11611
1.Yes	8783	8147	7048	8632	7407	6304	8152	6858	6114	9755

Value	w11	w12	w13
.A=65+ presumed retired			
.D=DK	6	3	6
.I=Institutionalized	478	442	429
.M=Oth missing	36	28	88
.Q=Not asked,Lt65,not worki			
.R=RF	13	8	12
.T=Not working now,worked 1			
0.No	11413	10971	11076
1.Yes	8608	7295	9301

SwINLBRF: =1 if S is in the labor force

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.A=65+ presumed retired		1383								
.D=DK			1							
.I=Institutionalized		3	82	88	95	82	80	83	76	108
.M=Oth missing	5	5	16	8	7	6	1	1	4	110
.Q=Not asked,Lt65,not worki		50								
.R=RF		1		1		3	2		4	4
.T=Not working now,worked 1		74								
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
0.No	3002	5340	6489	7485	7107	6882	6914	6642	6165	6618
1.Yes	6893	6234	5329	6398	5521	4666	5975	5009	4397	6673

Value	w11	w12	w13
.A=65+ presumed retired			
.D=DK	3		1
.I=Institutionalized	97	82	89
.M=Oth missing	8	8	26
.Q=Not asked,Lt65,not worki			
.R=RF	4	3	4
.T=Not working now,worked 1			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
0.No	6473	6006	5790
1.Yes	5903	4913	5869

How Constructed

RwINLBRF is an indicator for whether the Respondent is considered part of the labor force as defined by the Bureau of Labor Statistics (BLS). Briefly, this definition considers those who are working for pay, or those who are not working but actively seeking work as part of the labor force.

SwINLBRF is an indicator for whether the Respondent's spouse is considered part of the labor force.

The derivation uses questions about current work status, work for pay, and activities related to job seeking. Institutionalized Respondents (i.e. those in a nursing home) are not included in the derivation.

If the Respondent is working for pay, RwINLBRF is set to "in the labor force." If the Respondent is not working for pay, but reports actively looking for a job in the last four weeks, RwINLBRF is set to "in the labor force." If the Respondent is neither working for pay nor looking for work and reports being retired, disabled, or a homemaker as her/his current job status, RwINLBRF is set to "not in the labor force."

In Wave 2A, there are neither questions about employment status nor questions that ask the Respondent whether s/he considers himself retired, neither are there questions that ask about whether the Respondent is looking for work. So for the AHEAD Respondents, it is only possible to determine whether the Respondent was working for pay or not. If the Respondent is not working for pay, it cannot be determined if the person is looking for work based on information from Wave 2A. To further determine labor force status, the unemployment, retirement and disability status information from subsequent waves is used.

If in a subsequent wave the Respondent reports being unemployed, retired or disabled, the date of unemployment, retirement or disability is compared with interview date. If the interview date is after the date of unemployment, retirement or disability, R2INLBRF is set to the appropriate status.

If no information from subsequent waves is used, then additional codes are assigned for the AHEAD Respondents for R2INLBRF. If the Respondent is not working now, but has worked in the last two years, a SAS special missing code of .T is assigned.

If the Respondent is not working now, and has not worked in the prior two years, but is over 65 years old, the SAS missing code .A is assigned. The analyst may want to assume these cases are retired. If the Respondent is not working now, has not worked in the prior two years, and is not over 65 years old the code .Q is assigned, as the employment status was not asked.

SwINLBRF is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwINLBRF.

Cross Wave Differences in Original HRS Data

Labor force status uses several pieces of employment data: whether working for pay, current job status, and whether looking for work.

These pieces are available in all waves, except Wave 2A. The wording for all of these questions is the same or similar across all waves where available.

The question about current job status is asked in all waves except Wave 2A.

The question about looking for work is asked of Respondents who are not working. This question is asked in all waves except Wave 2A.

Though the wording of these questions is similar across waves, the navigation through the survey instrument and skip patterns vary quite a bit for some of these variables.

HRS Variables Used

HRS 1992:
 V12717 F2:ANY WRK FOR PAY :IND
 V2701 F1A:WORKING
 V2702 F1B:UNEMP-LOOKING FR WRK
 V2703 F1C:SICK/OTHER LEAVE
 V2704 F1D:DISABLED
 V2705 F1E:RETIRED
 V2706 F1F:HOMEMAKER
 V2707 F1G:OTHER
 V2717 F2:ANY WRK FOR PAY :IMP
 V3530 G39:LKING JB LAST 4 WKS
 AHEAD 1993:
 B1174 G1. WORKING CURRENTLY?
 B1175 G1a. WORK LAST 2 YRS?
 BIWYEAR 1993 INTERVIEW YEAR
 HRS 1994:
 W3300 FA1.CURRENT JOB STATUS
 W3301 FA1.CURRENT JOB STATUS
 W3302 FA1.CURRENT JOB STATUS
 AHEAD 1995:
 D2626M1 GA1. CURRENT JOB STATUS
 D2626M2 GA1. CURRENT JOB STATUS
 D2626M3 GA1. CURRENT JOB STATUS
 D2627 GA1A. WHEN BECAME UNEMPLOYED
 D2628 GA1B. YEAR BECAME UNEMPLOYED
 D2638 GA1F. MONTH DISABLED
 D2639 GA1G. YEAR DISABLED
 D2651 GA2.WORKING ANY CURRENT
 D3696 GC28.FIND WORK
 HRS 1996:
 E2611M1 G1.CURRENT JOB STATUS
 E2611M2 G1.CURRENT JOB STATUS
 E2611M3 G1.CURRENT JOB STATUS
 E2627 G2.WORKING FOR PAY
 E2984 G115.DOING TO FIND WORK
 HRS 1998:
 F3115M1 G1.CURRENT JOB STATUS
 F3115M2 G1.CURRENT JOB STATUS
 F3115M3 G1.CURRENT JOB STATUS
 F3116 G1A.UNEMPLOYED-MONTH
 F3117 G1B.UNEMPLOYED-YEAR
 F3123 G1F.DISABLED-MONTH
 F3124 G1G.DISABLED-YEAR
 F3131 G2.WORKING FOR PAY
 F3513 G115.DOING TO FIND WORK
 HRS 2000:
 G3365M1 G1.CURRENT JOB STATUS
 G3365M2 G1.CURRENT JOB STATUS
 G3365M3 G1.CURRENT JOB STATUS
 G3366 G1A.UNEMPLOYED-MONTH
 G3367 G1B.UNEMPLOYED-YEAR
 G3373 G1F.DISABLED-MONTH
 G3374 G1G.DISABLED-YEAR
 G3381 G2.WORKING FOR PAY
 G3800 G115.DOING TO FIND WORK
 HRS 2002-2016:
 xJ005M1 CURRENT JOB STATUS- 1
 xJ005M2 CURRENT JOB STATUS- 2

xJ005M3	CURRENT JOB STATUS- 3
xJ007	MO UNEMPLOYED
xJ008	YR UNEMPLOYED
xJ014	DISABLED-MO
xJ015	DISABLED- YR
xJ020	WORKING FOR PAY
xJ517	DOING WHAT TO FIND WORK- NOT WORKING

Tracker:

xNURSHM	1992-2016 NURSING HOME STATUS
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Retired Employment Status

Wave	Variable	Label	Type
1	R1RETEMP	R1RETEMP:W1 R GIVES RETIRED IN EMPSTAT	Categ
2	R2RETEMP	R2RETEMP:W2 R GIVES RETIRED IN EMPSTAT	Categ
3	R3RETEMP	R3RETEMP:W3 R GIVES RETIRED IN EMPSTAT	Categ
4	R4RETEMP	R4RETEMP:W4 R GIVES RETIRED IN EMPSTAT	Categ
5	R5RETEMP	R5RETEMP:W5 R GIVES RETIRED IN EMPSTAT	Categ
6	R6RETEMP	R6RETEMP:W6 R GIVES RETIRED IN EMPSTAT	Categ
7	R7RETEMP	R7RETEMP:W7 R GIVES RETIRED IN EMPSTAT	Categ
8	R8RETEMP	R8RETEMP:W8 R GIVES RETIRED IN EMPSTAT	Categ
9	R9RETEMP	R9RETEMP:W9 R GIVES RETIRED IN EMPSTAT	Categ
10	R10RETEMP	R10RETEMP:W10 R GIVES RETIRED IN EMPSTAT	Categ
11	R11RETEMP	R11RETEMP:W11 R GIVES RETIRED IN EMPSTAT	Categ
12	R12RETEMP	R12RETEMP:W12 R GIVES RETIRED IN EMPSTAT	Categ
13	R13RETEMP	R13RETEMP:W13 R GIVES RETIRED IN EMPSTAT	Categ
1	S1RETEMP	S1RETEMP:W1 S GIVES RETIRED IN EMPSTAT	Categ
2	S2RETEMP	S2RETEMP:W2 S GIVES RETIRED IN EMPSTAT	Categ
3	S3RETEMP	S3RETEMP:W3 S GIVES RETIRED IN EMPSTAT	Categ
4	S4RETEMP	S4RETEMP:W4 S GIVES RETIRED IN EMPSTAT	Categ
5	S5RETEMP	S5RETEMP:W5 S GIVES RETIRED IN EMPSTAT	Categ
6	S6RETEMP	S6RETEMP:W6 S GIVES RETIRED IN EMPSTAT	Categ
7	S7RETEMP	S7RETEMP:W7 S GIVES RETIRED IN EMPSTAT	Categ
8	S8RETEMP	S8RETEMP:W8 S GIVES RETIRED IN EMPSTAT	Categ
9	S9RETEMP	S9RETEMP:W9 S GIVES RETIRED IN EMPSTAT	Categ
10	S10RETEMP	S10RETEMP:W10 S GIVES RETIRED IN EMPSTAT	Categ
11	S11RETEMP	S11RETEMP:W11 S GIVES RETIRED IN EMPSTAT	Categ
12	S12RETEMP	S12RETEMP:W12 S GIVES RETIRED IN EMPSTAT	Categ
13	S13RETEMP	S13RETEMP:W13 S GIVES RETIRED IN EMPSTAT	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1RETEMP	12612	0.16	0.44	0.0	2.0
R2RETEMP	11402	0.22	0.50	0.0	2.0
R3RETEMP	17927	0.53	0.64	0.0	2.0
R4RETEMP	21329	0.53	0.64	0.0	2.0
R5RETEMP	19544	0.54	0.64	0.0	2.0
R6RETEMP	18141	0.56	0.61	0.0	2.0
R7RETEMP	20109	0.50	0.60	0.0	2.0
R8RETEMP	18452	0.56	0.61	0.0	2.0
R9RETEMP	17192	0.60	0.62	0.0	2.0
R10RETEMP	21830	0.49	0.62	0.0	2.0
R11RETEMP	20492	0.52	0.63	0.0	2.0
R12RETEMP	18703	0.55	0.63	0.0	2.0
R13RETEMP	20796	0.47	0.60	0.0	2.0
S1RETEMP	9876	0.17	0.46	0.0	2.0
S2RETEMP	8736	0.24	0.52	0.0	2.0
S3RETEMP	11897	0.50	0.64	0.0	2.0
S4RETEMP	13967	0.50	0.64	0.0	2.0
S5RETEMP	12723	0.51	0.64	0.0	2.0
S6RETEMP	11628	0.54	0.62	0.0	2.0
S7RETEMP	12967	0.48	0.60	0.0	2.0
S8RETEMP	11731	0.53	0.62	0.0	2.0
S9RETEMP	10636	0.57	0.62	0.0	2.0
S10RETEMP	13398	0.47	0.62	0.0	2.0

S11RETEMP	12470	0.49	0.62	0.0	2.0
S12RETEMP	11000	0.52	0.63	0.0	2.0
S13RETEMP	11745	0.45	0.61	0.0	2.0

Categorical Variable Codes

RwRETEMP: R GIVES RETIRED IN EMPSTAT

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	40	18	64	55	34	24	20	17	25	204
.Q=Not asked this wv	|		8222								
0.No retire empstat	|	11032	9309	9842	11769	10571	9208	11070	9408	8116	12620
1.Only retire empstat	|	1177	1636	6632	7848	7452	7771	7934	7833	7825	7758
2.Retire plus other empstat	|	403	457	1453	1712	1521	1162	1105	1211	1251	1452
Value		w11	w12	w13							
.M=Oth missing	|	62	44	116							
.Q=Not asked this wv	|										
0.No retire empstat	|	11277	9749	12211							
1.Only retire empstat	|	7759	7593	7376							
2.Retire plus other empstat	|	1456	1361	1209							

SwRETEMP: S GIVES RETIRED IN EMPSTAT

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	24	5	20	13	7	11	5	4	10	115
.Q=Not asked this wv	|		4549								
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	384	417	536	311	220	380	317	365	722
0.No retire empstat	|	8515	7008	6867	8147	7170	6123	7474	6301	5331	8032
1.Only retire empstat	|	1009	1360	4058	4701	4576	4750	4764	4666	4543	4480
2.Retire plus other empstat	|	352	368	972	1119	977	755	729	764	762	886
Value		w11	w12	w13							
.M=Oth missing	|	18	12	34							
.Q=Not asked this wv	|										
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No retire empstat	|	7190	6059	7134							
1.Only retire empstat	|	4413	4154	3900							
2.Retire plus other empstat	|	867	787	711							

How Constructed

There are at least 2 places in every wave where the Respondent could report being retired. See also "Whether retired, Consider self retired" (RwSAYRET).

RwRETEMP is derived from employment status. The Respondent can report a retired status alone or in addition to other statuses, such as working, disabled, or unemployed. RwRETEMP is set to 1 if the Respondent only reports a retired status, or 2 if the Respondent

reports being retired in addition to another status. It is set to 0 if no retirement status is reported at all. In Wave 2H, if the interview is a proxy for a deceased Respondent, it is set to SAS special missing code .S to indicate that the question was skipped. In Wave 2A, the question is not asked at all.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwRETEMP.

In Wave 2A, employment status is not asked, for AHEAD Respondents R2RETEMP is set to SAS special missing code .Q to indicate that the information is not available.

See also Labor Force Status (RwLBRF and SwLBRF).

Cross Wave Differences in Original HRS Data

In Wave 2H, employment status is not asked if the Respondent is deceased. Only Wave 2H includes proxy interviews for deceased Respondents. In Wave 2A, this question is not asked at all.

HRS Variables Used

HRS 1992:	
V2701	F1A:WORKING
V2702	F1B:UNEMP-LOOKING FR WRK
V2703	F1C:SICK/OTHER LEAVE
V2704	F1D:DISABLED
V2705	F1E:RETIRED
V2706	F1F:HOMEMAKER
V2707	F1G:OTHER
HRS 1994:	
W117	ICS5a. Reason for Proxy
W3300	FA1.CURRENT JOB STATUS
W3301	FA1.CURRENT JOB STATUS
W3302	FA1.CURRENT JOB STATUS
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
HRS 1996:	
E2611M1	G1.CURRENT JOB STATUS
E2611M2	G1.CURRENT JOB STATUS
E2611M3	G1.CURRENT JOB STATUS
HRS 1998:	
F3115M1	G1.CURRENT JOB STATUS
F3115M2	G1.CURRENT JOB STATUS
F3115M3	G1.CURRENT JOB STATUS
HRS 2000:	
G3365M1	G1.CURRENT JOB STATUS
G3365M2	G1.CURRENT JOB STATUS
G3365M3	G1.CURRENT JOB STATUS
HRS 2002:	
HJ005M5	CURRENT JOB STATUS- 5
HRS 2004:	
JJ005M5	CURRENT JOB STATUS- 5
HRS 2006:	
KJ005M5	CURRENT JOB STATUS- 5
HRS 2010:	
MJ005M5	CURRENT JOB STATUS- 5

HRS 2012:	
NJ005M5	CURRENT JOB STATUS- 5
HRS 2014:	
OJ005M5	CURRENT JOB STATUS- 5
HRS 2016:	
PJ005M5	CURRENT JOB STATUS- 5
HRS 2002-2016:	
xJ005M1	CURRENT JOB STATUS- 1
xJ005M2	CURRENT JOB STATUS- 2
xJ005M3	CURRENT JOB STATUS- 3
xJ005M4	CURRENT JOB STATUS- 4

Unemployed

Wave	Variable	Label	Type
1	R1UNEMP	R1UNEMP:W1 =1 if R is unemployed	Categ
2	R2UNEMP	R2UNEMP:W2 =1 if R is unemployed	Categ
3	R3UNEMP	R3UNEMP:W3 =1 if R is unemployed	Categ
4	R4UNEMP	R4UNEMP:W4 =1 if R is unemployed	Categ
5	R5UNEMP	R5UNEMP:W5 =1 if R is unemployed	Categ
6	R6UNEMP	R6UNEMP:W6 =1 if R is unemployed	Categ
7	R7UNEMP	R7UNEMP:W7 =1 if R is unemployed	Categ
8	R8UNEMP	R8UNEMP:W8 =1 if R is unemployed	Categ
9	R9UNEMP	R9UNEMP:W9 =1 if R is unemployed	Categ
10	R10UNEMP	R10UNEMP:W10 =1 if R is unemployed	Categ
11	R11UNEMP	R11UNEMP:W11 =1 if R is unemployed	Categ
12	R12UNEMP	R12UNEMP:W12 =1 if R is unemployed	Categ
13	R13UNEMP	R13UNEMP:W13 =1 if R is unemployed	Categ
1	S1UNEMP	S1UNEMP:W1 =1 if S is unemployed	Categ
2	S2UNEMP	S2UNEMP:W2 =1 if S is unemployed	Categ
3	S3UNEMP	S3UNEMP:W3 =1 if S is unemployed	Categ
4	S4UNEMP	S4UNEMP:W4 =1 if S is unemployed	Categ
5	S5UNEMP	S5UNEMP:W5 =1 if S is unemployed	Categ
6	S6UNEMP	S6UNEMP:W6 =1 if S is unemployed	Categ
7	S7UNEMP	S7UNEMP:W7 =1 if S is unemployed	Categ
8	S8UNEMP	S8UNEMP:W8 =1 if S is unemployed	Categ
9	S9UNEMP	S9UNEMP:W9 =1 if S is unemployed	Categ
10	S10UNEMP	S10UNEMP:W10 =1 if S is unemployed	Categ
11	S11UNEMP	S11UNEMP:W11 =1 if S is unemployed	Categ
12	S12UNEMP	S12UNEMP:W12 =1 if S is unemployed	Categ
13	S13UNEMP	S13UNEMP:W13 =1 if S is unemployed	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1UNEMP	8783	0.05	0.21	0.0	1.0
R2UNEMP	8147	0.04	0.20	0.0	1.0
R3UNEMP	7048	0.03	0.18	0.0	1.0
R4UNEMP	8632	0.03	0.16	0.0	1.0
R5UNEMP	7407	0.03	0.16	0.0	1.0
R6UNEMP	6304	0.04	0.19	0.0	1.0
R7UNEMP	8152	0.04	0.19	0.0	1.0
R8UNEMP	6858	0.03	0.18	0.0	1.0
R9UNEMP	6114	0.04	0.19	0.0	1.0
R10UNEMP	9755	0.09	0.29	0.0	1.0
R11UNEMP	8608	0.08	0.26	0.0	1.0
R12UNEMP	7295	0.06	0.23	0.0	1.0
R13UNEMP	9301	0.06	0.23	0.0	1.0
S1UNEMP	6893	0.04	0.20	0.0	1.0
S2UNEMP	6234	0.03	0.18	0.0	1.0
S3UNEMP	5329	0.03	0.17	0.0	1.0
S4UNEMP	6398	0.03	0.16	0.0	1.0
S5UNEMP	5521	0.03	0.16	0.0	1.0
S6UNEMP	4666	0.03	0.18	0.0	1.0
S7UNEMP	5975	0.04	0.19	0.0	1.0
S8UNEMP	5009	0.03	0.16	0.0	1.0
S9UNEMP	4397	0.04	0.18	0.0	1.0
S10UNEMP	6673	0.08	0.28	0.0	1.0

.T=Not working now,worked 1	|			
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.X=NA/Not in labor force	|	6473	6006	5790
0.No	|	5497	4666	5597
1.Yes	|	406	247	272

How Constructed

RwUNEMP is an indicator for whether the Respondent is considered unemployed as defined by the Bureau of Labor Statistics (BLS). Briefly, this definition considers those who are not working but actively seeking work as unemployed. SwUNEMP is an indicator for whether the Respondent's spouse is considered unemployed.

The derivation uses questions about current work status, work for pay, and activities related to job seeking. Institutionalized Respondents (i.e. those in a nursing home) are not included in the derivation.

If the Respondent is working for pay, then RwUNEMP is set to employed.

If the Respondent is not working for pay and also reports actively looking for a job in the last four weeks, RwUNEMP is set to unemployed. If the Respondent is not working for pay but considered "not in the labor force" according to RwINLBRF, then the special missing code .X is assigned to RwUNEMP. See RwINLBRF in this section for more details.

In Wave 2A, there are neither questions about employment status nor are there questions that ask the Respondent whether s/he considers himself retired, nor do the questions ask about whether the Respondent is looking for work. So for the AHEAD Respondents, it is only possible to determine whether the Respondent was working for pay or not. If the Respondent is not working for pay, it cannot be determined if the person is looking for work based on information from Wave 2A. To further determine unemployment status for Wave 2A, unemployment status information from subsequent waves is used.

If in a subsequent wave the Respondent reports being unemployed, the date of unemployment is compared with the interview date. If the interview date is after the date of unemployment, R2UNEMP is set to unemployed.

If no information from a subsequent wave is used, then additional codes are assigned for the AHEAD Respondents for R2UNEMP. If the Respondent is not working now, but has worked in the last two years, a SAS special missing code of .T is assigned.

If the Respondent is not working now, and has not worked in the prior two years, but is over 65 years old, the SAS missing code .A is assigned. The analyst may want to assume these cases are retired. If the Respondent is not working now, has not worked in the prior two years, and is not over 65 years old, the code .Q is assigned, as the employment status was not asked.

SwUNEMP is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwUNEMP.

Cross Wave Differences in Original HRS Data

Unemployment status uses several pieces of employment data: whether working for pay, current job status, and whether looking for work.

These pieces are available in all waves, except Wave 2A. The wording for all of these questions is the same or similar across all waves where available.

The question about current job status is asked in all waves except Wave 2A.

The question about looking for work is asked of Respondents who are not working. This question is asked in all waves except Wave 2A.

Though the wording of these questions is similar across waves, the navigation through the survey instrument and skip patterns vary quite a bit for some of these variables.

HRS Variables Used

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HRS 1992:
V12717      F2:ANY WRK FOR PAY   :IND
V2701       F1A:WORKING
V2702       F1B:UNEMP-LOOKING FR WRK
V2703       F1C:SICK/OTHER LEAVE
V2704       F1D:DISABLED
V2705       F1E:RETIRED
V2706       F1F:HOMEMAKER
V2707       F1G:OTHER
V2717       F2:ANY WRK FOR PAY   :IMP
V3530       G39:LKING JB LAST 4 WKS

AHEAD 1993:
B1174       G1. WORKING CURRENTLY?
B1175       G1a. WORK LAST 2 YRS?
BIWYEAR     1993 INTERVIEW YEAR

HRS 1994:
W3300       FA1.CURRENT JOB STATUS
W3301       FA1.CURRENT JOB STATUS
W3302       FA1.CURRENT JOB STATUS

AHEAD 1995:
D2626M1     GA1. CURRENT JOB STATUS
D2626M2     GA1. CURRENT JOB STATUS
D2626M3     GA1. CURRENT JOB STATUS
D2627       GA1A. WHEN BECAME UNEMPLOYED
D2628       GA1B. YEAR BECAME UNEMPLOYED
D2638       GA1F. MONTH DISABLED
D2639       GA1G. YEAR DISABLED
D2651       GA2.WORKING ANY CURRENT
D3696       GC28.FIND WORK

HRS 1996:
E2611M1     G1.CURRENT JOB STATUS
E2611M2     G1.CURRENT JOB STATUS
E2611M3     G1.CURRENT JOB STATUS
E2627       G2.WORKING FOR PAY
E2984       G115.DOING TO FIND WORK

HRS 1998:
F3115M1     G1.CURRENT JOB STATUS
F3115M2     G1.CURRENT JOB STATUS
F3115M3     G1.CURRENT JOB STATUS
F3116       G1A.UNEMPLOYED-MONTH
F3117       G1B.UNEMPLOYED-YEAR
F3123       G1F.DISABLED-MONTH
F3124       G1G.DISABLED-YEAR
F3131       G2.WORKING FOR PAY
F3513       G115.DOING TO FIND WORK

HRS 2000:
G3365M1     G1.CURRENT JOB STATUS
G3365M2     G1.CURRENT JOB STATUS
G3365M3     G1.CURRENT JOB STATUS
G3366       G1A.UNEMPLOYED-MONTH
G3367       G1B.UNEMPLOYED-YEAR
G3373       G1F.DISABLED-MONTH

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G3374	G1G.DISABLED-YEAR
G3381	G2.WORKING FOR PAY
G3800	G115.DOING TO FIND WORK
HRS 2002-2016:	
xJ005M1	CURRENT JOB STATUS- 1
xJ005M2	CURRENT JOB STATUS- 2
xJ005M3	CURRENT JOB STATUS- 3
xJ007	MO UNEMPLOYED
xJ008	YR UNEMPLOYED
xJ014	DISABLED-MO
xJ015	DISABLED- YR
xJ020	WORKING FOR PAY
xJ517	DOING WHAT TO FIND WORK- NOT WORKING
Tracker:	
xNURSHM	1992-2016 NURSING HOME STATUS

Hours of work per week at current job

Wave	Variable	Label	Type
1	R1JHOURS	R1JHOURS:W1 Hours worked/week main job	Cont
2	R2JHOURS	R2JHOURS:W2 Hours worked/week main job	Cont
3	R3JHOURS	R3JHOURS:W3 Hours worked/week main job	Cont
4	R4JHOURS	R4JHOURS:W4 Hours worked/week main job	Cont
5	R5JHOURS	R5JHOURS:W5 Hours worked/week main job	Cont
6	R6JHOURS	R6JHOURS:W6 Hours worked/week main job	Cont
7	R7JHOURS	R7JHOURS:W7 Hours worked/week main job	Cont
8	R8JHOURS	R8JHOURS:W8 Hours worked/week main job	Cont
9	R9JHOURS	R9JHOURS:W9 Hours worked/week main job	Cont
10	R10JHOURS	R10JHOURS:W10 Hours worked/week main job	Cont
11	R11JHOURS	R11JHOURS:W11 Hours worked/week main job	Cont
12	R12JHOURS	R12JHOURS:W12 Hours worked/week main job	Cont
13	R13JHOURS	R13JHOURS:W13 Hours worked/week main job	Cont
1	S1JHOURS	S1JHOURS:W1 Hours worked/week main job	Cont
2	S2JHOURS	S2JHOURS:W2 Hours worked/week main job	Cont
3	S3JHOURS	S3JHOURS:W3 Hours worked/week main job	Cont
4	S4JHOURS	S4JHOURS:W4 Hours worked/week main job	Cont
5	S5JHOURS	S5JHOURS:W5 Hours worked/week main job	Cont
6	S6JHOURS	S6JHOURS:W6 Hours worked/week main job	Cont
7	S7JHOURS	S7JHOURS:W7 Hours worked/week main job	Cont
8	S8JHOURS	S8JHOURS:W8 Hours worked/week main job	Cont
9	S9JHOURS	S9JHOURS:W9 Hours worked/week main job	Cont
10	S10JHOURS	S10JHOURS:W10 Hours worked/week main job	Cont
11	S11JHOURS	S11JHOURS:W11 Hours worked/week main job	Cont
12	S12JHOURS	S12JHOURS:W12 Hours worked/week main job	Cont
13	S13JHOURS	S13JHOURS:W13 Hours worked/week main job	Cont
1	R1JHOUR2	R1JHOUR2:W1 Hours worked/week 2nd job	Cont
2	R2JHOUR2	R2JHOUR2:W2 Hours worked/week 2nd job	Cont
3	R3JHOUR2	R3JHOUR2:W3 Hours worked/week 2nd job	Cont
4	R4JHOUR2	R4JHOUR2:W4 Hours worked/week 2nd job	Cont
5	R5JHOUR2	R5JHOUR2:W5 Hours worked/week 2nd job	Cont
6	R6JHOUR2	R6JHOUR2:W6 Hours worked/week 2nd job	Cont
7	R7JHOUR2	R7JHOUR2:W7 Hours worked/week 2nd job	Cont
8	R8JHOUR2	R8JHOUR2:W8 Hours worked/week 2nd job	Cont
9	R9JHOUR2	R9JHOUR2:W9 Hours worked/week 2nd job	Cont
10	R10JHOUR2	R10JHOUR2:W10 Hours worked/week 2nd job	Cont
11	R11JHOUR2	R11JHOUR2:W11 Hours worked/week 2nd job	Cont
12	R12JHOUR2	R12JHOUR2:W12 Hours worked/week 2nd job	Cont
13	R13JHOUR2	R13JHOUR2:W13 Hours worked/week 2nd job	Cont
1	S1JHOUR2	S1JHOUR2:W1 Hours worked/week 2nd job	Cont
2	S2JHOUR2	S2JHOUR2:W2 Hours worked/week 2nd job	Cont
3	S3JHOUR2	S3JHOUR2:W3 Hours worked/week 2nd job	Cont
4	S4JHOUR2	S4JHOUR2:W4 Hours worked/week 2nd job	Cont
5	S5JHOUR2	S5JHOUR2:W5 Hours worked/week 2nd job	Cont
6	S6JHOUR2	S6JHOUR2:W6 Hours worked/week 2nd job	Cont
7	S7JHOUR2	S7JHOUR2:W7 Hours worked/week 2nd job	Cont
8	S8JHOUR2	S8JHOUR2:W8 Hours worked/week 2nd job	Cont
9	S9JHOUR2	S9JHOUR2:W9 Hours worked/week 2nd job	Cont
10	S10JHOUR2	S10JHOUR2:W10 Hours worked/week 2nd job	Cont
11	S11JHOUR2	S11JHOUR2:W11 Hours worked/week 2nd job	Cont
12	S12JHOUR2	S12JHOUR2:W12 Hours worked/week 2nd job	Cont
13	S13JHOUR2	S13JHOUR2:W13 Hours worked/week 2nd job	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JHOURS	8309	40.25	13.05	1.0	95.0

R2JHOURS	7744	38.28	14.67	0.0	95.0
R3JHOURS	6708	37.26	14.93	0.0	95.0
R4JHOURS	8205	37.41	15.28	0.0	168.0
R5JHOURS	7028	36.85	15.89	0.0	168.0
R6JHOURS	5933	35.64	15.53	0.0	168.0
R7JHOURS	7666	36.89	15.46	0.0	168.0
R8JHOURS	6467	36.14	15.88	0.0	168.0
R9JHOURS	5738	35.40	15.47	0.0	168.0
R10JHOURS	8655	36.94	15.35	0.0	168.0
R11JHOURS	7727	36.64	14.99	0.0	168.0
R12JHOURS	6695	36.08	14.96	0.0	152.0
R13JHOURS	8517	37.60	14.81	0.0	168.0
S1JHOURS	6549	40.43	13.23	1.0	95.0
S2JHOURS	5977	38.68	14.67	0.0	95.0
S3JHOURS	5100	37.54	14.95	0.0	95.0
S4JHOURS	6094	37.79	15.43	0.0	168.0
S5JHOURS	5258	37.35	16.18	0.0	168.0
S6JHOURS	4413	36.05	15.82	0.0	168.0
S7JHOURS	5642	37.34	15.61	0.0	168.0
S8JHOURS	4757	36.64	15.81	0.0	168.0
S9JHOURS	4157	35.80	15.56	0.0	168.0
S10JHOURS	5986	37.31	15.29	0.0	144.0
S11JHOURS	5344	37.20	15.06	0.0	168.0
S12JHOURS	4556	36.68	15.07	0.0	152.0
S13JHOURS	5448	38.15	14.76	0.0	140.0
R1JHOUR2	968	14.56	12.34	0.0	95.0
R2JHOUR2	704	14.15	11.56	0.0	70.0
R3JHOUR2	635	14.63	13.02	1.0	96.0
R4JHOUR2	828	14.73	14.20	0.0	96.0
R5JHOUR2	628	15.00	12.85	0.0	95.0
R6JHOUR2	525	14.82	13.72	0.0	96.0
R7JHOUR2	815	13.30	11.25	0.0	96.0
R8JHOUR2	645	13.46	11.52	0.0	80.0
R9JHOUR2	563	13.47	11.99	0.0	80.0
R10JHOUR2	1059	12.96	11.30	0.0	80.0
R11JHOUR2	901	12.77	10.82	0.0	60.0
R12JHOUR2	764	13.48	10.46	0.0	70.0
R13JHOUR2	1088	14.03	12.16	0.0	96.0
S1JHOUR2	734	14.24	12.57	0.0	95.0
S2JHOUR2	556	14.15	12.02	0.0	70.0
S3JHOUR2	470	14.64	13.76	1.0	96.0
S4JHOUR2	600	14.83	14.48	0.0	96.0
S5JHOUR2	469	15.05	13.56	0.0	95.0
S6JHOUR2	403	14.47	12.79	0.0	80.0
S7JHOUR2	599	13.45	11.55	0.0	96.0
S8JHOUR2	469	13.30	11.54	0.0	80.0
S9JHOUR2	379	13.59	12.57	0.0	80.0
S10JHOUR2	730	12.93	11.94	0.0	80.0
S11JHOUR2	659	12.63	11.14	0.0	60.0
S12JHOUR2	514	13.64	10.61	0.0	60.0
S13JHOUR2	674	13.40	11.49	0.0	96.0

How Constructed

RwJHOURS is the usual number of hours per week the Respondent works at her/his main job. RwJHOUR2 is the usual number of hours per week the Respondent works at a second job.

If the Respondent is working for pay then s/he is asked how many hours per week s/he usually works at the main job. RwJHOURS recodes missings for this variable. If the Respondent is not working it is set to a .W missing code.

RwJHOUR2 recodes missings for usual number of hours worked at a second job, if any. If the Respondent is not working a second job it is set to a .W missing code.

In Wave 2A, there was no question about a second job. So for AHEAD Respondents, R2JHOUR2 is set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJHOURS and RwJHOUR2.

Cross Wave Differences in Original HRS Data

Usual hours of work per week is asked of working Respondents at every wave. The question wording remains the same across waves and asks:

If the Respondent works for a firm: "How many hours a week do you usually work on this job?"

If the Respondent is self-employed: "How many hours a week do you usually work in this business?"

For a second job: "How many hours a week do you usually work on (this other job/these other jobs)?"

In all waves, it is not asked if the Respondent is not working.

In Waves 1, 2H and 3A, the question about the main job is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not. In Waves 2H and 3A, the question about the second job is also asked separately, based on the Respondent's self-employment status. From Wave 3H forward, the question wording about the main job varies depending on the Respondent's self-employment status, but the result appears in the same variable.

HRS Variables Used

HRS 1992:	
V12717	F2:ANY WRK FOR PAY :IND
V2717	F2:ANY WRK FOR PAY :IMP
V2722	F8:WRK HRS/WK:THIS JOB
V2822	F28:S-E:WRK HRS/WK
V3327	F86:DNG ANY OTR WRK :IMP
V3332	F87:HRS/WK WRK OTHR JOB
AHEAD 1993:	
B1174	G1. WORKING CURRENTLY?
B1186	G6. CURR WORK: # HOURS PER WEEK
HRS 1994:	
W3316	FA2.WORKING FOR PAY
W3617	FA44.HOURS WORK PER WEEK
W3956	FA117.ANY OTHER PAID WOR
W3961	FA118.HOURS/WEEK ON 2ND
W4313	FB17.HOURS WORK PER WEEK

W4611	FB77.ANY OTHER PAID WORK
W4616	FB78.HOURS/WEEK SECOND J
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2651	GA2.WORKING ANY CURRENT
D2836	GA44. HOURS/WEEK WORKED
D3110	GA117. ANY OTHER PAID WORK
D3112	GA118. HOURS/WEEK SECOND JOBS
D3256	GB17. HOURS/WEEK WORKED
HRS 1996:	
E2627	G2.WORKING FOR PAY
E2736	G44.HOURS WORK PER WEEK
E3019	G128.ANY OTHER PAID WORK
E3021	G129.HOURS/WEEK ON 2ND JOB
HRS 1998:	
F3131	G2.WORKING FOR PAY
F3259	G44.HOURS WORK PER WEEK
F3549	G128.ANY OTHER PAID WORK
F3551	G129.HOURS/WEEK ON 2ND JOB
HRS 2000:	
G3381	G2.WORKING FOR PAY
G3509	G44.HOURS WORK PER WEEK
G3838	G128.ANY OTHER PAID WORK
G3840	G129.HOURS/WEEK ON 2ND JOB
HRS 2002-2016:	
xJ020	WORKING FOR PAY
xJ172	HRS WORK PER WEEK
xJ553	ANY OTR PAID WORK
xJ556	HRS/WK ON 2ND JOB

Weeks worked per year at current job

Wave	Variable	Label	Type
1	R1JWEEKS	R1JWEEKS:W1 Weeks worked/year main job	Cont
2	R2JWEEKS	R2JWEEKS:W2 Weeks worked/year main job	Cont
3	R3JWEEKS	R3JWEEKS:W3 Weeks worked/year main job	Cont
4	R4JWEEKS	R4JWEEKS:W4 Weeks worked/year main job	Cont
5	R5JWEEKS	R5JWEEKS:W5 Weeks worked/year main job	Cont
6	R6JWEEKS	R6JWEEKS:W6 Weeks worked/year main job	Cont
7	R7JWEEKS	R7JWEEKS:W7 Weeks worked/year main job	Cont
8	R8JWEEKS	R8JWEEKS:W8 Weeks worked/year main job	Cont
9	R9JWEEKS	R9JWEEKS:W9 Weeks worked/year main job	Cont
10	R10JWEEKS	R10JWEEKS:W10 Weeks worked/year main job	Cont
11	R11JWEEKS	R11JWEEKS:W11 Weeks worked/year main job	Cont
12	R12JWEEKS	R12JWEEKS:W12 Weeks worked/year main job	Cont
13	R13JWEEKS	R13JWEEKS:W13 Weeks worked/year main job	Cont
1	S1JWEEKS	S1JWEEKS:W1 Weeks worked/year main job	Cont
2	S2JWEEKS	S2JWEEKS:W2 Weeks worked/year main job	Cont
3	S3JWEEKS	S3JWEEKS:W3 Weeks worked/year main job	Cont
4	S4JWEEKS	S4JWEEKS:W4 Weeks worked/year main job	Cont
5	S5JWEEKS	S5JWEEKS:W5 Weeks worked/year main job	Cont
6	S6JWEEKS	S6JWEEKS:W6 Weeks worked/year main job	Cont
7	S7JWEEKS	S7JWEEKS:W7 Weeks worked/year main job	Cont
8	S8JWEEKS	S8JWEEKS:W8 Weeks worked/year main job	Cont
9	S9JWEEKS	S9JWEEKS:W9 Weeks worked/year main job	Cont
10	S10JWEEKS	S10JWEEKS:W10 Weeks worked/year main job	Cont
11	S11JWEEKS	S11JWEEKS:W11 Weeks worked/year main job	Cont
12	S12JWEEKS	S12JWEEKS:W12 Weeks worked/year main job	Cont
13	S13JWEEKS	S13JWEEKS:W13 Weeks worked/year main job	Cont
1	R1JWEEK2	R1JWEEK2:W1 Weeks worked/year 2nd job	Cont
2	R2JWEEK2	R2JWEEK2:W2 Weeks worked/year 2nd job	Cont
3	R3JWEEK2	R3JWEEK2:W3 Weeks worked/year 2nd job	Cont
4	R4JWEEK2	R4JWEEK2:W4 Weeks worked/year 2nd job	Cont
5	R5JWEEK2	R5JWEEK2:W5 Weeks worked/year 2nd job	Cont
6	R6JWEEK2	R6JWEEK2:W6 Weeks worked/year 2nd job	Cont
7	R7JWEEK2	R7JWEEK2:W7 Weeks worked/year 2nd job	Cont
8	R8JWEEK2	R8JWEEK2:W8 Weeks worked/year 2nd job	Cont
9	R9JWEEK2	R9JWEEK2:W9 Weeks worked/year 2nd job	Cont
10	R10JWEEK2	R10JWEEK2:W10 Weeks worked/year 2nd job	Cont
11	R11JWEEK2	R11JWEEK2:W11 Weeks worked/year 2nd job	Cont
12	R12JWEEK2	R12JWEEK2:W12 Weeks worked/year 2nd job	Cont
13	R13JWEEK2	R13JWEEK2:W13 Weeks worked/year 2nd job	Cont
1	S1JWEEK2	S1JWEEK2:W1 Weeks worked/year 2nd job	Cont
2	S2JWEEK2	S2JWEEK2:W2 Weeks worked/year 2nd job	Cont
3	S3JWEEK2	S3JWEEK2:W3 Weeks worked/year 2nd job	Cont
4	S4JWEEK2	S4JWEEK2:W4 Weeks worked/year 2nd job	Cont
5	S5JWEEK2	S5JWEEK2:W5 Weeks worked/year 2nd job	Cont
6	S6JWEEK2	S6JWEEK2:W6 Weeks worked/year 2nd job	Cont
7	S7JWEEK2	S7JWEEK2:W7 Weeks worked/year 2nd job	Cont
8	S8JWEEK2	S8JWEEK2:W8 Weeks worked/year 2nd job	Cont
9	S9JWEEK2	S9JWEEK2:W9 Weeks worked/year 2nd job	Cont
10	S10JWEEK2	S10JWEEK2:W10 Weeks worked/year 2nd job	Cont
11	S11JWEEK2	S11JWEEK2:W11 Weeks worked/year 2nd job	Cont
12	S12JWEEK2	S12JWEEK2:W12 Weeks worked/year 2nd job	Cont
13	S13JWEEK2	S13JWEEK2:W13 Weeks worked/year 2nd job	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JWEEKS	8225	49.45	6.91	1.0	52.0

R2JWEEKS	7729	48.76	8.45	0.0	52.0
R3JWEEKS	6720	48.22	9.12	0.0	52.0
R4JWEEKS	8193	48.28	9.06	0.0	52.0
R5JWEEKS	6998	48.11	9.10	0.0	52.0
R6JWEEKS	5912	47.85	9.54	0.0	52.0
R7JWEEKS	7641	48.07	9.43	0.0	52.0
R8JWEEKS	6482	48.02	9.42	0.0	52.0
R9JWEEKS	5744	47.66	10.03	0.0	52.0
R10JWEEKS	8492	47.75	9.79	0.0	52.0
R11JWEEKS	7562	47.84	9.48	0.0	52.0
R12JWEEKS	6514	47.50	9.86	0.0	52.0
R13JWEEKS	8347	47.49	10.05	0.0	52.0
S1JWEEKS	6492	49.42	6.93	1.0	52.0
S2JWEEKS	5968	48.80	8.36	0.0	52.0
S3JWEEKS	5110	48.13	9.23	0.0	52.0
S4JWEEKS	6086	48.17	9.13	0.0	52.0
S5JWEEKS	5231	48.05	9.08	0.0	52.0
S6JWEEKS	4406	47.66	9.65	0.0	52.0
S7JWEEKS	5636	47.92	9.54	0.0	52.0
S8JWEEKS	4772	47.90	9.60	0.0	52.0
S9JWEEKS	4165	47.63	9.99	0.0	52.0
S10JWEEKS	5891	47.65	9.89	0.0	52.0
S11JWEEKS	5256	47.79	9.50	0.0	52.0
S12JWEEKS	4458	47.51	9.70	0.0	52.0
S13JWEEKS	5352	47.59	9.69	0.0	52.0
R1JWEEK2	960	38.61	17.92	1.0	52.0
R2JWEEK2	692	38.64	17.44	0.0	52.0
R3JWEEK2	636	39.26	17.41	1.0	52.0
R4JWEEK2	816	38.03	17.96	1.0	52.0
R5JWEEK2	624	38.36	18.01	1.0	52.0
R6JWEEK2	526	38.60	17.96	1.0	52.0
R7JWEEK2	819	37.86	17.91	1.0	52.0
R8JWEEK2	649	38.65	17.56	1.0	52.0
R9JWEEK2	577	37.27	18.13	1.0	52.0
R10JWEEK2	1053	35.90	18.32	1.0	52.0
R11JWEEK2	884	35.51	17.83	1.0	52.0
R12JWEEK2	763	34.82	18.18	1.0	52.0
R13JWEEK2	1070	36.16	17.91	1.0	52.0
S1JWEEK2	732	37.53	18.30	1.0	52.0
S2JWEEK2	544	37.87	17.62	0.0	52.0
S3JWEEK2	471	39.08	17.30	1.0	52.0
S4JWEEK2	593	37.28	18.30	1.0	52.0
S5JWEEK2	462	37.68	18.61	1.0	52.0
S6JWEEK2	404	38.63	17.79	1.0	52.0
S7JWEEK2	608	37.37	18.08	1.0	52.0
S8JWEEK2	476	38.29	17.55	1.0	52.0
S9JWEEK2	393	36.56	18.37	1.0	52.0
S10JWEEK2	724	35.21	18.48	1.0	52.0
S11JWEEK2	647	34.97	18.01	1.0	52.0
S12JWEEK2	523	34.42	18.21	1.0	52.0
S13JWEEK2	670	35.57	18.02	1.0	52.0

How Constructed

RwJWEEKS is the usual number of weeks per year the Respondent works at her/his main job, counting paid vacation as weeks worked. RwJHOUR2 is the usual number of hours per week the Respondent works at a second job.

If the Respondent is working for pay then s/he is asked how many weeks per year s/he usually works at the main job. RwJWEEKS recodes missings for this variable. If the Respondent is not working, it is set to a .W missing code.

RwJWEEK2 recodes missings for usual number of weeks worked at a second job, if any. If the Respondent is not working a second job it is set to a .W missing code.

In Wave 2A, there was no question about a second job. So for the AHEAD Respondents, R2JWEEK2 is set to the .Q SAS special missing value, to indicate that no information is available.

The spouse variables are taken from the Wave "w" spouse's self-reports, i.e., from the Wave "w" spouse's RwJWEEKS and RwJWEEK2.

Cross Wave Differences in Original HRS Data

Usual number of weeks worked per year is asked of working Respondent at each wave. The question wording remains the same across waves and asks:

"Main job: Counting paid vacations as weeks of work, how many weeks a year do you usually work on this job?"

"If second job(s): Counting paid vacations as weeks of work, how many weeks a year do you usually work on (this other job/these other jobs)?"

In all waves, it is not asked if the Respondent is not working.

In Waves 1, 2H and 3A, the question about the main job is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not. In Waves 2H and 3A, the question about the second job is also asked separately based on the Respondent's self-employment status. From Wave 3H forward, the question wording about the main job varies depending on the Respondent's self-employment status, but the result appears in the same variable.

HRS Variables Used

HRS 1992:

V12717	F2:ANY WRK FOR PAY :IND
V2717	F2:ANY WRK FOR PAY :IMP
V2726	F10:WKS/YR WORKING
V2823	F29:S-E:WRKING WKS /YR
V3327	F86:DNG ANY OTR WRK :IMP
V3333	F88:WKS/YR WRK OTHR JOB

AHEAD 1993:

B1174	G1. WORKING CURRENTLY?
B1187	G6A. CURR WORK: # WEEKS PER YEAR

HRS 1994:

W3316	FA2.WORKING FOR PAY
W3623	FA47.NUMBER WEEKS PER YE
W3956	FA117.ANY OTHER PAID WOR
W3962	FA119.WEEKS/YEAR ON 2ND
W4314	FB18.WEEKS WORK PER YEAR
W4611	FB77.ANY OTHER PAID WORK
W4617	FB79.WEEKS/YEAR SECOND J

AHEAD 1995:

D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2651	GA2.WORKING ANY CURRENT
D2846	GA47. WEEKS/YEAR WORKED
D3110	GA117. ANY OTHER PAID WORK
D3113	GA119. WEEKS/YEAR SECOND JOBS
D3257	GB18. WEEKS/YEAR WORKED

HRS 1996:

E2627	G2.WORKING FOR PAY
E2746	G47.WEEKS PER YEAR USUALLY WORK
E3019	G128.ANY OTHER PAID WORK
E3022	G130.WEEKS/YEAR ON 2ND JOB

HRS 1998:

F3131	G2.WORKING FOR PAY
F3269	G47.WEEKS PER YEAR USUALLY WORK
F3549	G128.ANY OTHER PAID WORK
F3552	G130.WEEKS/YEAR ON 2ND JOB

HRS 2000:

G3381	G2.WORKING FOR PAY
G3519	G47.WEEKS PER YEAR USUALLY WORK
G3838	G128.ANY OTHER PAID WORK
G3841	G130.WEEKS/YEAR ON 2ND JOB

HRS 2002-2016:

xJ020	WORKING FOR PAY
xJ179	WKS PR YR USUALLY WORK
xJ553	ANY OTR PAID WORK
xJ557	WKS/YR ON 2ND JOB

Wage rate

Wave	Variable	Label	Type
1	R1WGIHR	R1WGIHR:W1 Imputed Wage Rate-Hrly	Cont
2	R2WGIHR	R2WGIHR:W2 Imputed Wage Rate-Hrly	Cont
3	R3WGIHR	R3WGIHR:W3 Imputed Wage Rate-Hrly	Cont
4	R4WGIHR	R4WGIHR:W4 Imputed Wage Rate-Hrly	Cont
5	R5WGIHR	R5WGIHR:W5 Imputed Wage Rate-Hrly	Cont
6	R6WGIHR	R6WGIHR:W6 Imputed Wage Rate-Hrly	Cont
7	R7WGIHR	R7WGIHR:W7 Imputed Wage Rate-Hrly	Cont
8	R8WGIHR	R8WGIHR:W8 Imputed Wage Rate-Hrly	Cont
9	R9WGIHR	R9WGIHR:W9 Imputed Wage Rate-Hrly	Cont
10	R10WGIHR	R10WGIHR:W10 Imputed Wage Rate-Hrly	Cont
11	R11WGIHR	R11WGIHR:W11 Imputed Wage Rate-Hrly	Cont
12	R12WGIHR	R12WGIHR:W12 Imputed Wage Rate-Hrly	Cont
13	R13WGIHR	R13WGIHR:W13 Imputed Wage Rate-Hrly	Cont
1	S1WGIHR	S1WGIHR:W1 Imputed Wage Rate-Hrly	Cont
2	S2WGIHR	S2WGIHR:W2 Imputed Wage Rate-Hrly	Cont
3	S3WGIHR	S3WGIHR:W3 Imputed Wage Rate-Hrly	Cont
4	S4WGIHR	S4WGIHR:W4 Imputed Wage Rate-Hrly	Cont
5	S5WGIHR	S5WGIHR:W5 Imputed Wage Rate-Hrly	Cont
6	S6WGIHR	S6WGIHR:W6 Imputed Wage Rate-Hrly	Cont
7	S7WGIHR	S7WGIHR:W7 Imputed Wage Rate-Hrly	Cont
8	S8WGIHR	S8WGIHR:W8 Imputed Wage Rate-Hrly	Cont
9	S9WGIHR	S9WGIHR:W9 Imputed Wage Rate-Hrly	Cont
10	S10WGIHR	S10WGIHR:W10 Imputed Wage Rate-Hrly	Cont
11	S11WGIHR	S11WGIHR:W11 Imputed Wage Rate-Hrly	Cont
12	S12WGIHR	S12WGIHR:W12 Imputed Wage Rate-Hrly	Cont
13	S13WGIHR	S13WGIHR:W13 Imputed Wage Rate-Hrly	Cont
1	R1WGIWK	R1WGIWK:W1 Imputed Wage Rate-Wkly	Cont
2	R2WGIWK	R2WGIWK:W2 Imputed Wage Rate-Wkly	Cont
3	R3WGIWK	R3WGIWK:W3 Imputed Wage Rate-Wkly	Cont
4	R4WGIWK	R4WGIWK:W4 Imputed Wage Rate-Wkly	Cont
5	R5WGIWK	R5WGIWK:W5 Imputed Wage Rate-Wkly	Cont
6	R6WGIWK	R6WGIWK:W6 Imputed Wage Rate-Wkly	Cont
7	R7WGIWK	R7WGIWK:W7 Imputed Wage Rate-Wkly	Cont
8	R8WGIWK	R8WGIWK:W8 Imputed Wage Rate-Wkly	Cont
9	R9WGIWK	R9WGIWK:W9 Imputed Wage Rate-Wkly	Cont
10	R10WGIWK	R10WGIWK:W10 Imputed Wage Rate-Wkly	Cont
11	R11WGIWK	R11WGIWK:W11 Imputed Wage Rate-Wkly	Cont
12	R12WGIWK	R12WGIWK:W12 Imputed Wage Rate-Wkly	Cont
13	R13WGIWK	R13WGIWK:W13 Imputed Wage Rate-Wkly	Cont
1	S1WGIWK	S1WGIWK:W1 Imputed Wage Rate-Wkly	Cont
2	S2WGIWK	S2WGIWK:W2 Imputed Wage Rate-Wkly	Cont
3	S3WGIWK	S3WGIWK:W3 Imputed Wage Rate-Wkly	Cont
4	S4WGIWK	S4WGIWK:W4 Imputed Wage Rate-Wkly	Cont
5	S5WGIWK	S5WGIWK:W5 Imputed Wage Rate-Wkly	Cont
6	S6WGIWK	S6WGIWK:W6 Imputed Wage Rate-Wkly	Cont
7	S7WGIWK	S7WGIWK:W7 Imputed Wage Rate-Wkly	Cont
8	S8WGIWK	S8WGIWK:W8 Imputed Wage Rate-Wkly	Cont
9	S9WGIWK	S9WGIWK:W9 Imputed Wage Rate-Wkly	Cont
10	S10WGIWK	S10WGIWK:W10 Imputed Wage Rate-Wkly	Cont
11	S11WGIWK	S11WGIWK:W11 Imputed Wage Rate-Wkly	Cont
12	S12WGIWK	S12WGIWK:W12 Imputed Wage Rate-Wkly	Cont
13	S13WGIWK	S13WGIWK:W13 Imputed Wage Rate-Wkly	Cont
1	R1WGFHR	R1WGFHR:W1 Impute Flag Wage Rate-Hrly	Categ
2	R2WGFHR	R2WGFHR:W2 Impute Flag Wage Rate-Hrly	Categ
3	R3WGFHR	R3WGFHR:W3 Impute Flag Wage Rate-Hrly	Categ
4	R4WGFHR	R4WGFHR:W4 Impute Flag Wage Rate-Hrly	Categ
5	R5WGFHR	R5WGFHR:W5 Impute Flag Wage Rate-Hrly	Categ
6	R6WGFHR	R6WGFHR:W6 Impute Flag Wage Rate-Hrly	Categ
7	R7WGFHR	R7WGFHR:W7 Impute Flag Wage Rate-Hrly	Categ
8	R8WGFHR	R8WGFHR:W8 Impute Flag Wage Rate-Hrly	Categ
9	R9WGFHR	R9WGFHR:W9 Impute Flag Wage Rate-Hrly	Categ
10	R10WGFHR	R10WGFHR:W10 Impute Flag Wage Rate-Hrly	Categ

11	R11WGFHR	R11WGFHR:W11 Impute Flag Wage Rate-Hrly	Categ
12	R12WGFHR	R12WGFHR:W12 Impute Flag Wage Rate-Hrly	Categ
13	R13WGFHR	R13WGFHR:W13 Impute Flag Wage Rate-Hrly	Categ
1	S1WGFHR	S1WGFHR:W1 Impute Flag Wage Rate-Hrly	Categ
2	S2WGFHR	S2WGFHR:W2 Impute Flag Wage Rate-Hrly	Categ
3	S3WGFHR	S3WGFHR:W3 Impute Flag Wage Rate-Hrly	Categ
4	S4WGFHR	S4WGFHR:W4 Impute Flag Wage Rate-Hrly	Categ
5	S5WGFHR	S5WGFHR:W5 Impute Flag Wage Rate-Hrly	Categ
6	S6WGFHR	S6WGFHR:W6 Impute Flag Wage Rate-Hrly	Categ
7	S7WGFHR	S7WGFHR:W7 Impute Flag Wage Rate-Hrly	Categ
8	S8WGFHR	S8WGFHR:W8 Impute Flag Wage Rate-Hrly	Categ
9	S9WGFHR	S9WGFHR:W9 Impute Flag Wage Rate-Hrly	Categ
10	S10WGFHR	S10WGFHR:W10 Impute Flag Wage Rate-Hrly	Categ
11	S11WGFHR	S11WGFHR:W11 Impute Flag Wage Rate-Hrly	Categ
12	S12WGFHR	S12WGFHR:W12 Impute Flag Wage Rate-Hrly	Categ
13	S13WGFHR	S13WGFHR:W13 Impute Flag Wage Rate-Hrly	Categ
1	R1WGFWK	R1WGFWK:W1 Impute Flag Wage Rate-Wkly	Categ
2	R2WGFWK	R2WGFWK:W2 Impute Flag Wage Rate-Wkly	Categ
3	R3WGFWK	R3WGFWK:W3 Impute Flag Wage Rate-Wkly	Categ
4	R4WGFWK	R4WGFWK:W4 Impute Flag Wage Rate-Wkly	Categ
5	R5WGFWK	R5WGFWK:W5 Impute Flag Wage Rate-Wkly	Categ
6	R6WGFWK	R6WGFWK:W6 Impute Flag Wage Rate-Wkly	Categ
7	R7WGFWK	R7WGFWK:W7 Impute Flag Wage Rate-Wkly	Categ
8	R8WGFWK	R8WGFWK:W8 Impute Flag Wage Rate-Wkly	Categ
9	R9WGFWK	R9WGFWK:W9 Impute Flag Wage Rate-Wkly	Categ
10	R10WGFWK	R10WGFWK:W10 Impute Flag Wage Rate-Wkly	Categ
11	R11WGFWK	R11WGFWK:W11 Impute Flag Wage Rate-Wkly	Categ
12	R12WGFWK	R12WGFWK:W12 Impute Flag Wage Rate-Wkly	Categ
13	R13WGFWK	R13WGFWK:W13 Impute Flag Wage Rate-Wkly	Categ
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4	S4WGFWK	S4WGFWK:W4 Impute Flag Wage Rate-Wkly	Categ
5	S5WGFWK	S5WGFWK:W5 Impute Flag Wage Rate-Wkly	Categ
6	S6WGFWK	S6WGFWK:W6 Impute Flag Wage Rate-Wkly	Categ
7	S7WGFWK	S7WGFWK:W7 Impute Flag Wage Rate-Wkly	Categ
8	S8WGFWK	S8WGFWK:W8 Impute Flag Wage Rate-Wkly	Categ
9	S9WGFWK	S9WGFWK:W9 Impute Flag Wage Rate-Wkly	Categ
10	S10WGFWK	S10WGFWK:W10 Impute Flag Wage Rate-Wkly	Categ
11	S11WGFWK	S11WGFWK:W11 Impute Flag Wage Rate-Wkly	Categ
12	S12WGFWK	S12WGFWK:W12 Impute Flag Wage Rate-Wkly	Categ
13	S13WGFWK	S13WGFWK:W13 Impute Flag Wage Rate-Wkly	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1WGIHR	7786	19.25	298.43	0.0	24000.0
R2WGIHR	7140	16.99	105.24	0.0	8000.0
R3WGIHR	6008	17.42	74.84	0.0	5000.0
R4WGIHR	7410	21.08	162.58	0.0	11111.1
R5WGIHR	6385	25.26	350.73	0.0	27000.0
R6WGIHR	5205	25.90	226.40	0.0	15625.0
R7WGIHR	6746	31.93	676.69	0.0	55250.0
R8WGIHR	5762	26.80	177.97	0.0	12345.7
R9WGIHR	5216	27.75	139.54	0.0	8333.3
R10WGIHR	8475	25.91	99.27	0.0	6520.8
R11WGIHR	7387	30.05	211.58	0.0	15313.5
R12WGIHR	6325	84.85	3211.23	0.0	241666.7
R13WGIHR	7947	41.18	629.35	0.0	43715.0
S1WGIHR	6106	20.46	335.93	0.0	24000.0

S2WGIHR	5484	17.85	118.47	0.0	8000.0
S3WGIHR	4539	17.14	38.71	0.0	1527.8
S4WGIHR	5488	22.70	186.37	0.0	11111.1
S5WGIHR	4749	27.94	405.80	0.0	27000.0
S6WGIHR	3854	28.35	261.20	0.0	15625.0
S7WGIHR	4945	35.76	788.97	0.0	55250.0
S8WGIHR	4196	26.18	82.13	0.0	4000.0
S9WGIHR	3770	29.45	157.16	0.0	8333.3
S10WGIHR	5822	27.53	113.55	0.0	6520.8
S11WGIHR	5068	32.20	247.06	0.0	15313.5
S12WGIHR	4305	92.20	3691.61	0.0	241666.7
S13WGIHR	5045	39.92	490.06	0.0	31000.0
R1WGIWK	7808	586.99	1438.46	0.0	96153.8
R2WGIWK	7165	608.93	2694.10	0.0	192306.5
R3WGIWK	6060	601.44	1557.35	0.0	91666.7
R4WGIWK	7439	703.58	5248.35	0.0	444444.0
R5WGIWK	6419	727.63	2021.37	0.0	85333.3
R6WGIWK	5231	763.55	1783.30	0.0	62500.0
R7WGIWK	6790	814.18	2209.51	0.0	110500.0
R8WGIWK	5796	858.91	2092.34	0.0	111111.1
R9WGIWK	5244	856.25	1639.28	0.0	76780.0
R10WGIWK	8506	872.08	1402.09	0.0	60000.0
R11WGIWK	7424	1022.15	7363.81	0.0	612538.9
R12WGIWK	6363	1105.68	9459.00	0.0	725000.0
R13WGIWK	7994	1071.93	2550.06	0.0	117500.0
S1WGIWK	6126	582.77	868.79	0.0	30000.0
S2WGIWK	5499	629.96	2919.51	0.0	192306.5
S3WGIWK	4571	619.39	1575.73	0.0	91666.7
S4WGIWK	5509	753.84	6078.81	0.0	444444.0
S5WGIWK	4772	766.66	2094.22	0.0	85333.3
S6WGIWK	3877	797.75	1667.41	0.0	62500.0
S7WGIWK	4976	865.43	2322.17	0.0	110500.0
S8WGIWK	4222	887.08	1576.12	0.0	51384.6
S9WGIWK	3789	919.12	1818.62	0.0	76780.0
S10WGIWK	5842	912.06	1202.22	0.0	26083.3
S11WGIWK	5097	1118.58	8798.86	0.0	612538.9
S12WGIWK	4331	1223.27	11344.94	0.0	725000.0
S13WGIWK	5072	1138.64	2734.35	0.0	117500.0
R1WGFHR	12652	3.81	3.49	1.0	9.0
R2WGFHR	19642	5.20	3.23	1.0	9.0
R3WGFHR	17991	5.74	3.33	1.0	9.0
R4WGFHR	21384	5.64	3.37	1.0	9.0
R5WGFHR	19578	5.78	3.31	1.0	9.0
R6WGFHR	18165	6.07	3.19	1.0	9.0
R7WGFHR	20129	5.75	3.34	1.0	9.0
R8WGFHR	18469	5.89	3.27	1.0	9.0
R9WGFHR	17217	5.95	3.24	1.0	9.0
R10WGFHR	22034	5.43	3.39	1.0	9.0
R11WGFHR	20554	5.59	3.36	1.0	9.0
R12WGFHR	18747	5.72	3.32	1.0	9.0
R13WGFHR	20912	5.44	3.42	1.0	9.0
S1WGFHR	9900	3.79	3.49	1.0	9.0
S2WGFHR	13090	4.92	3.36	1.0	9.0
S3WGFHR	11917	5.42	3.45	1.0	9.0
S4WGFHR	13980	5.33	3.47	1.0	9.0

S5WGFHR	12730	5.46	3.43	1.0	9.0
S6WGFHR	11639	5.77	3.33	1.0	9.0
S7WGFHR	12972	5.43	3.45	1.0	9.0
S8WGFHR	11735	5.58	3.40	1.0	9.0
S9WGFHR	10646	5.60	3.38	1.0	9.0
S10WGFHR	13513	5.11	3.47	1.0	9.0
S11WGFHR	12488	5.27	3.46	1.0	9.0
S12WGFHR	11012	5.35	3.44	1.0	9.0
S13WGFHR	11779	5.11	3.50	1.0	9.0
R1WGFWK	12652	3.79	3.49	1.0	9.0
R2WGFWK	19642	5.19	3.23	1.0	9.0
R3WGFWK	17991	5.71	3.34	1.0	9.0
R4WGFWK	21384	5.63	3.37	1.0	9.0
R5WGFWK	19578	5.77	3.31	1.0	9.0
R6WGFWK	18165	6.06	3.20	1.0	9.0
R7WGFWK	20129	5.73	3.34	1.0	9.0
R8WGFWK	18469	5.87	3.28	1.0	9.0
R9WGFWK	17217	5.93	3.24	1.0	9.0
R10WGFWK	22034	5.42	3.39	1.0	9.0
R11WGFWK	20554	5.57	3.37	1.0	9.0
R12WGFWK	18747	5.70	3.33	1.0	9.0
R13WGFWK	20912	5.43	3.42	1.0	9.0
S1WGFWK	9900	3.78	3.49	1.0	9.0
S2WGFWK	13090	4.91	3.36	1.0	9.0
S3WGFWK	11917	5.39	3.45	1.0	9.0
S4WGFWK	13980	5.32	3.47	1.0	9.0
S5WGFWK	12730	5.45	3.43	1.0	9.0
S6WGFWK	11639	5.75	3.34	1.0	9.0
S7WGFWK	12972	5.42	3.45	1.0	9.0
S8WGFWK	11735	5.56	3.40	1.0	9.0
S9WGFWK	10646	5.58	3.38	1.0	9.0
S10WGFWK	13513	5.10	3.47	1.0	9.0
S11WGFWK	12488	5.25	3.46	1.0	9.0
S12WGFWK	11012	5.33	3.44	1.0	9.0
S13WGFWK	11779	5.09	3.50	1.0	9.0

Categorical Variable Codes

RwWGFHR: Impute Flag Wage Rate-Hrly

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Not unemp: wage not missn	|	7378	6817	5777	7171	6179	4959	6433	5547	4978	7576
2.Unemp:use MR prior wage	|	368	293	209	218	178	232	168	184	208	361
3.Unemp:predicted wage fr r	|	40	30	22	21	28	14	145	31	30	538
6.LF=miss:wage=miss,no imp	|		3154								
8.Not in LF:wage=miss,no im	|	3874	8338	10922	12744	12168	11857	11975	11612	11101	12278
9.InLF,not unemp:miss,no im	|	992	1010	1061	1230	1025	1103	1408	1095	900	1281

Value		w11	w12	w13
1.Not unemp: wage not missn	|	6726	5909	7414
2.Unemp:use MR prior wage	|	456	340	263
3.Unemp:predicted wage fr r	|	205	76	270
6.LF=miss:wage=miss,no imp	|			
8.Not in LF:wage=miss,no im	|	11927	11442	11593
9.InLF,not unemp:miss,no im	|	1240	980	1372

SwWGFHR: Impute Flag Wage Rate-Hrly

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
1.Not unemp: wage not missn	|	5809	5278	4383	5326	4609	3692	4733	4061	3616	5257
2.Unemp:use MR prior wage	|	270	185	143	151	120	152	119	115	133	232
3.Unemp:predicted wage fr r	|	27	21	13	11	20	10	93	20	21	333
6.LF=miss:wage=miss,no imp	|		1485								
8.Not in LF:wage=miss,no im	|	3008	5369	6573	7578	7209	6970	6997	6727	6248	6839
9.InLF,not unemp:miss,no im	|	786	752	805	914	772	815	1030	812	628	852

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
1.Not unemp: wage not missn	|	4654	4053	4768
2.Unemp:use MR prior wage	|	268	195	151
3.Unemp:predicted wage fr r	|	146	57	126
6.LF=miss:wage=miss,no imp	|			
8.Not in LF:wage=miss,no im	|	6574	6090	5897
9.InLF,not unemp:miss,no im	|	846	617	837

RwWGFWK: Impute Flag Wage Rate-Wkly

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
1.Not unemp: wage not missn	|	7400	6842	5829	7200	6213	4985	6477	5581	5006	7607
2.Unemp:use MR prior wage	|	368	293	209	218	178	232	168	184	208	361
3.Unemp:predicted wage fr r	|	40	30	22	21	28	14	145	31	30	538
6.LF=miss:wage=miss,no imp	|		3154								
8.Not in LF:wage=miss,no im	|	3874	8338	10922	12744	12168	11857	11975	11612	11101	12278
9.InLF,not unemp:miss,no im	|	970	985	1009	1201	991	1077	1364	1061	872	1250

Value		w11	w12	w13
1.Not unemp: wage not missn	|	6763	5947	7461
2.Unemp:use MR prior wage	|	456	340	263
3.Unemp:predicted wage fr r	|	205	76	270
6.LF=miss:wage=miss,no imp	|			
8.Not in LF:wage=miss,no im	|	11927	11442	11593
9.InLF,not unemp:miss,no im	|	1203	942	1325

SwWGFWK: Impute Flag Wage Rate-Wkly

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
1.Not unemp: wage not missn	|	5829	5293	4415	5347	4632	3715	4764	4087	3635	5277
2.Unemp:use MR prior wage	|	270	185	143	151	120	152	119	115	133	232
3.Unemp:predicted wage fr r	|	27	21	13	11	20	10	93	20	21	333
6.LF=miss:wage=miss,no imp	|		1485								
8.Not in LF:wage=miss,no im	|	3008	5369	6573	7578	7209	6970	6997	6727	6248	6839
9.InLF,not unemp:miss,no im	|	766	737	773	893	749	792	999	786	609	832

Value		w11	w12	w13
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
1.Not unemp: wage not missn	|	4683	4079	4795
2.Unemp:use MR prior wage	|	268	195	151
3.Unemp:predicted wage fr r	|	146	57	126
6.LF=miss:wage=miss,no imp	|			
8.Not in LF:wage=miss,no im	|	6574	6090	5897
9.InLF,not unemp:miss,no im	|	817	591	810

How Constructed

RwWGIHR is the Respondent's hourly wage rate, and RwWGIWK is the weekly wage rate.

If the Respondent is working at an interview, s/he is asked how much the job pays. Usual hours per week and weeks per year are also asked. The rate of pay can be reported for various periods, e.g., per hour, per week, or per year. Weekly and hourly wage rates are calculated using the usual hours worked per week, usual weeks worked per year, and the pay rate, adjusting appropriately for the periodicity of pay reported. These variables are given as gross wages.

The wage rates are left in nominal dollars. If the Respondent is working, but is missing the wage rate for the current job, the wage rate is left as missing.

For those who are unemployed, a wage rate is imputed. The imputation method is described in more detail in the "Conceptual Variables: Wages" section earlier in this document, and uses the wage rate for the most recent job, if available. If no previous wage rate is available for an unemployed Respondent, it is imputed using predicted values from regression results. Imputations are only used for unemployed persons (RwLBRF=3). If a person is not working but does not have RwLBRF=3, or is working but missing wages, no imputations are done.

The wage rate for the most recent job held before a given interview is calculated using all available reports on past jobs. This includes job history information, reports on previous interview jobs that end, and jobs that begin and end between interviews. Hourly and weekly rates are both calculated, using the same methods used to calculate the current wage rate. The most recent non-missing wage rate is then adjusted to current wave dollars. For example, if the most recent wage rate at the 1994 interview is from 1991, then the wage rate is adjusted to 1994 dollars using CPI-U.

The RwWGIHR and RwWGIWK variables include reported hourly and weekly wages for the currently employed and imputed hourly and weekly wages for the unemployed. The RwWGFHR and RwWGFWK variables are flags that indicate whether and how the wage rates are imputed.

If the Respondent is not working then we assign SAS special missing code .W for "not working."

The spouse variables are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwWGIHR, RwWGIWK, RwWGFHR, and RwWGFWK.

Cross Wave Differences in Original HRS Data

The variables used to calculate the hourly and weekly wage rate are usual hours worked per week, usual weeks worked per year, and a pay rate. Usual hours and usual weeks are asked in all waves, and the question wording is the same across waves. The questions about pay vary in the number of places the questions are asked.

In Wave 1, the current job pay is asked if the Respondent is working. If the Respondent is not working, questions ask if s/he has ever worked, and if so, ask for the usual hours worked, usual weeks worked, and pay rate at the time s/he left the last job. If the job ended more than 20 years ago, the pay question is skipped. Whether the Respondent is working or not, information about past jobs can be obtained, including hours worked per week, weeks worked per year, and earnings in the last year with the most recent past employer.

In Wave 2A, the current job pay is asked if the Respondent is working. If the Respondent is not working, questions ask if s/he did work for pay in the last two years, and if so, ask for the usual hours worked, usual weeks worked, and pay rate at the time s/he left the last job. If the Respondent is not working or has not worked for the last two years, no questions about any other past jobs are asked.

In Wave 3A, the current job pay is asked. If the Respondent's work status or employer has changed since the last interview, questions are asked about earnings at the time s/he left the previous job. Even if it is the Respondent's first interview, no questions about other past jobs are asked.

In Wave 2H and Wave 3H and in subsequent interviews, the current job pay is asked. If the Respondent's work status or employer has changed since the last interview, questions are asked about earnings at the time s/he left the previous job. There are also questions that ask about jobs that both began and ended between the prior and current interviews. These questions obtain the hours worked per week and earnings. In addition, if it is the Respondent's first interview, information is collected about past jobs, using questions similar to those described for Wave 1.

These variables are self-reported and inconsistent values do exist in the data. For example, in Wave 2H HHIDPN=45923020 reports working 8 hours per week but reports working 40 hours per week in Wave 1 and Wave 3H. Also, in Wave 12, HHIDPN=139756010 reported an annual salary of \$225,000 (OJ188) and annual business profits of \$500,000 (OJ195). But they only report working one week (OJ179) for three hours (OJ172). This value is causing large outliers in R12WGIHR, S12WGIHR, R12WGIWK and S12WGIWK. In Wave 13, HHIDPN=544738010 reports an hourly wage of \$62,000 and HHIDPN=902894010 reports an hourly wage of \$39,033. These values are causing large outliers in R13WGIHR, S13WGIHR, R13WGIWK and S13WGIWK.

HRS Variables Used

HRS 1992:
 V12717 F2:ANY WRK FOR PAY :IND
 V12718 F3:WHO WORK FOR :IND
 V12735 F16A:GROSS SALARY AM:IND
 V12736 F16A:GROSS SALARY FR:IND
 V12739 F16D:\$ /HR REG WORK :IND
 V12743 F16H: COMMISSION AMT:IND
 V12744 F16H: COMMISSION FRE:IND
 V12748 F16M:OTHER-GROSS PAY:IND
 V12749 F16M:OTHER-GROSS FRE:IND
 V12824 F30:S-E:SALARY/WAGES:IND
 V12825 F30A:S-E SALARY AMT :IND
 V12826 F30A:S-E SALARY FREQ:IND
 V12827 F31:S-E:GET NET PROF:IND
 V12828 F31A:NET PROFITS AMT:IND
 V12829 F31A:NET PROFITS FRE:IND
 V13401 G1: RK/PAY +FEW MOS:IND
 V13405 G3:LST JB WRK SE/OTR:IND
 V13412 G10:\$GROSS PY WHEN L:IND
 V13413 G10:GROSS PAY - FREQ:IND
 V13435 G22:R/SE:REG SAL/WAG:IND
 V13437 G22A:SE:GROSS SALFRE:IND
 V13438 G23:R/SE:REC PROFITS:IND
 V13440 G23A:SE:NET EARN FRE:IND
 V13601 H1:P/WR OTR EMP 5+ Y:IND
 V13610 H10:\$GROSS PAY - \$:IND
 V13611 H10:GROSS PAY - FREQ:IND
 V15905 N39A:OTHR INC AMT :IND
 V2717 F2:ANY WRK FOR PAY :IMP
 V2718 F3:WHO WORK FOR :IMP
 V2722 F8:WRK HRS/WK:THIS JOB
 V2726 F10:WKS/YR WORKING
 V2735 F16A:GROSS SALARY:\$:IMP
 V2736 F16A:GROSS SALARY-FR:IMP
 V2739 F16D:\$ /HR REG WRK TI:IMP
 V2743 F16H:GROSS COMMISSIO:IMP
 V2744 F16H:COMMISSION FREQ:IMP
 V2748 F16M:OTHER-GROSS PAY:IMP
 V2749 F16M:OTHER-GROSS FRE:IMP
 V2817 F24:STARTING GROSS PAY-\$
 V2818 F24:START GROSS-FREQ
 V2822 F28:S-E:WRK HRS/WK
 V2823 F29:S-E:WRKING WKS /YR
 V2824 F30:S-E:SALARY/WAGES:IMP
 V2825 F30A:S-E:GROSS SALAR:IMP
 V2826 F30A:S-E:SALARY FREQ:IMP
 V2827 F31:S-EMPL:GET NET P:IMP
 V2828 F31A:\$ NET PROFITS :IMP
 V2829 F31A:NET PROFITS-FRE:IMP
 V2835 F34:\$ EARNED WHEN STRTED
 V2836 F34:EARNED-FREQ
 V333 B8A:SPECIAL DIET :IMP
 V3334 F89:\$ GROSS-OTHER JO:IMP
 V3401 G1: RK/PAY +FEW MOS:IMP
 V3405 G3:LST JB WRK SE/OTR:IMP
 V3412 G10:\$GROS PY-WHN LFT:IMP
 V3413 G10:GROSS PAY-FREQ :IMP
 V3419 G14:NET SAL:\$:-START

V3435	G22:R/SE:REG SALARY/:IMP
V3436	G22A:R/SE:GROSS SALA:IMP
V3437	G22A:R/SE:GROSS-FREQ:IMP
V3438	G23:R/SE:RECV PROFIT:IMP
V3439	G23A:R/SE:NET ERN/PR:IMP
V3440	G23A:R/SE:PROFIT-FRE:IMP
V3443	G26:R/SE:SAL STRT JOB:\$
V3601	H1:P/WR OTR EMP 5+ Y:IMP
V3610	H10:GROSS PAY-\$:IMP
V3611	H10:GROSS PAY-FREQ :IMP
V3706	H27:1ST:PAY WHN LFT-:IMP
V3806	H27:NXT:PAY WHN LFT-:IMP
V4306	J43:GROSS PAY WHEN L:IMP
V4406	J64:GROSS PAY WHEN L:IMP
V4441	J83:GROSS PAY WHEN L:IMP
V4509	J93:GROSS PAY WHEN L:IMP
V53	R:STATE HRS (RECODED)
V5905	N39A:OTHR INCME: AM:IMP
AHEAD 1993:	
B1174	G1. WORKING CURRENTLY?
B1175	G1a. WORK LAST 2 YRS?
B1178	G2. CURRENTLY SELF EMPLOYED
B1186	G6. CURR WORK: # HOURS PER WEEK
B1187	G6A. CURR WORK: # WEEKS PER YEAR
B1188	G7. CURR WORK: \$ EARNED LAST MONTH
B1189	G8. CURR WORK: \$ EARNED 1992-1993
B1190	G8a. CURR WORK: \$ EARNED PERIOD
B1207	G11. JOB LAST 2 YEARS: END MONTH
B1208	G11. JOB LAST 2 YEARS: END YEAR
B1225	G16. JOB LAST 2 YRS: # HOURS PER WEEK
B1226	G16b. JOB LAST 2 YRS: # WEEKS PER YEAR
B1227	G17. JOB LAST 2 YRS: TOT \$ EARN 1992/93
B1228	G17a. JOB LAST 2 YRS: TOTAL \$ EARNED PRD
HRS 1994:	
W15907	N2a. Imputation flag
W3316	FA2.WORKING FOR PAY
W3317	FA3.WORK FOR SOMEONE ELS
W3318	FA5.STOPPED WORKING FOR
W3319	FA5.STOPPED WORKING FOR
W3363	FA6.PAID REGULAR SALARY
W3364	FA6a.AMOUNT OF SALARY
W3365	FA6b.PER
W3366	FA7.RECEIVE ANY PROFITS?
W3367	FA7a.AMOUNT OF PROFITS
W3368	FA7b.PER
W3503	FA26.STOPPED WORKING FOR
W3504	FA26.STOPPED WORKING FOR
W3505	FA27.AMOUNT OF EARNINGS
W3506	FA27a.PER
W3617	FA44.HOURS WORK PER WEEK
W3623	FA47.NUMBER WEEKS PER YE
W3631	FA52.HOW PAID ON JOB
W3632	FA52a.AMOUNT SALARY
W3633	FA52b.PER
W3637	FA52f.HOURLY WAGE RATE
W3642	FA52m.AMOUNT PER TIME PE
W3643	FA52n.PER
W3645	FA52r.AMOUNT PAID
W3646	FA52s.AMOUNT PER TIME PE

W3663 FA59.START WORK FOR EMPL
 W3664 FA60.STARTING PAY
 W3665 FA60a.AMOUNT PER TIME PE
 W3963 FA120.EARNINGS ON 2ND JO
 W3964 FA120a.PER
 W3999 FA129.WORK AFTER W1/BEFO
 W4043 FA132.HOURS/WEEK WORKED
 W4044 FA133.EARNINGS
 W4045 FA133a.PER
 W4200 FB2.STOPPED WORK FOR EMP
 W4201 FB2a.STOPPED WORK FOR EM
 W4202 FB3.EARNINGS BEFORE LEAV
 W4203 FB3a.EARNINGS BEFORE LEA
 W4313 FB17.HOURS WORK PER WEEK
 W4314 FB18.WEEKS WORK PER YEAR
 W4317 FB19.PAID A REGULAR SALA
 W4318 FB19a.SELF-EMPLOYMENT SA
 W4319 FB19b SELF-EMPLOYMENT SA
 W4320 FB20.RECEIVE SOME/ALL NE
 W4321 FB20a.NET EARNINGS/PROFI
 W4322 FB20b.NET EARNINGS/PROFI
 W4328 FB22a.STARTED S-E WORK-Y
 W4329 FB23.ANY MONTHS SINCE W1
 W4330 FB23a.MONTHS NOT IN BUSI
 W4618 FB80.EARNINGS SECOND JOB
 W4619 FB8a.EARNINGS SECOND JOB
 W4654 FB89.WORK AFTER/BEFORE
 W4698 FB92.HOURS/WEEK WORKED
 W4699 FB93.EARNINGS AFTER/BEFO
 W4700 FB93a.EARNINGS AFTER/BEF
 W4800 FC2.MONTH STOPPED SELF-E
 W4801 FC2a.YEAR STOPPED SELF-E
 W4802 FC3.SELF-EMP PAID SALARY
 W4803 FC3a.SELF-EMP SALARY AMO
 W4804 FC3b.SELF-EMP SALARY AMO
 W4805 FC4.SELF-EMP EARNINGS/PR
 W4806 FC4a.SELF-EMP EARNINGS/P
 W4807 FC4b.SELF-EMP EARNINGS/P
 W4897 FC16.MONTH STOPPED WORK
 W4898 FC16a.YEAR STOPPED WORK
 W4899 FC16b.EARNINGS BEFORE LE
 W4900 FC16ac.EARNINGS BEFORE L
 W5038 FC47.WORK AFTER/BEFORE
 W5082 FC50.HOURS/WEEK WORKED
 W5083 FC51.EARNINGS AFTER/BEFO
 W5084 FC51a.EARNINGS AFTER/BEF
 W7021 G14.EARNINGS WHEN STARTE

AHEAD 1995:

D2626M1 GA1. CURRENT JOB STATUS
 D2626M2 GA1. CURRENT JOB STATUS
 D2626M3 GA1. CURRENT JOB STATUS
 D2651 GA2.WORKING ANY CURRENT
 D2653 GA3. SELF/OTHER EMPLOYED
 D2654 GA5. MONTH STOPPED SELF-EMPL
 D2655 GA5A. YEAR STOPPED SELF-EMPL
 D2662 GA6. S-E PAID SALARY
 D2663 GA6A. S-E SALARY AMOUNT
 D2664 GA6B. S-E SALARY PER
 D2675 GA7. S-E EARNINGS/PROFITS

D2676	GA7A. S-E ERNG/PROFIT AMOUNT
D2677	GA7B. S-E ERNG/PROFIT AMOUNT
D2759	GA26. MONTH STOPPED WORKING WAVE I EMPLO
D2760	GA26A. YEAR STOPPED WORKING WAVE I EMPLO
D2764	GA27. EARNINGS BEFORE LEAVING
D2765	GA27A. EARNINGS BEFORE LEAVING PER
D2836	GA44. HOURS/WEEK WORKED
D2846	GA47. WEEKS/YEAR WORKED
D2860	GA52. HOW PAID
D2862	GA52A. AMOUNT SALARY
D2863	GA52B. AMOUNT SALARY PER
D2870	GA52F. REGULAR HOURLY WAGE
D2880	GA52M. AMOUNT PAY
D2881	GA52N. AMOUNT PAY PER
D2885	GA52R. AMOUNT PAID
D2886	GA52S. AMOUNT PAID PER
D3110	GA117. ANY OTHER PAID WORK
D3112	GA118. HOURS/WEEK SECOND JOBS
D3113	GA119. WEEKS/YEAR SECOND JOBS
D3114	GA120. EARNINGS SECOND JOBS
D3115	GA120A. EARNINGS SECOND JOB PER
D3188	GB2. MONTH STOPPED SELF-EMPL
D3189	GB2A. YEAR STOPPED SELF-EMPL
D3194	GB3. EARNINGS BEFORE LEAVING
D3195	GB3A. EARNINGS BEFORE LEAVING PER
D3260	GB19. S-E PAID SALARY
D3261	GB19A. S-E SALARY AMOUNT
D3262	GB19B. S-E SALARY PER
D3264	GB20. S-E EARNINGS/PROFITS
D3265	GB20A. S-E ERNG/PROFIT AMOUNT
D3266	GB20B. S-E ERNG/PROFIT AMOUNT
D3545	GC2. MONTH STOPPED SELF-EMPL
D3546	GC2A. YEAR STOPPED SELF-EMPL
D3551	GC3. S-E PAID SALARY
D3552	GC3A. S-E SALARY AMOUNT
D3553	GC3B. S-E SALARY PER
D3564	GC4. S-E EARNINGS/PROFITS
D3565	GC4A. S-E ERNG/PROFIT AMOUNT
D3566	GC4B. S-E ERNG/PROFIT AMOUNT
D3639	GC16. MONTH STOPPED WORKING WAVE I EMPLO
D3640	GC16A. YEAR STOPPED WORKING WAVE I EMPLO
D3644	GC16B. EARNINGS BEFORE LEAVING
D3645	GC16AC. EARNINGS BEFORE LEAVING PER
HRS 1996:	
E2627	G2.WORKING FOR PAY
E2628	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
E2630	G5.STOPPED WORKING FOR SELF-MONTH
E2631	G5A.STOPPED WORKING FOR SELF-YEAR
E2637	G6.PAID REGULAR SALARY
E2638	G6A.AMOUNT OF SALARY
E2639	G6B.AMOUNT OF SALARY PER
E2650	G7.RECEIVE ANY PROFITS?
E2651	G7A.AMOUNT OF PROFITS
E2652	G7B.AMOUNT OF PROFITS PER
E2667	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
E2668	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
E2670	G27.AMOUNT OF EARNINGS WHEN LEFT
E2671	G27A.AMOUNT OF EARNINGS WHEN LEFT PER
E2736	G44.HOURS WORK PER WEEK

E2746	G47.WEEKS PER YEAR USUALLY WORK
E2756	G52.PAID REGULAR SALARY/WAGES?
E2757	G52A.SELF-EMPLOYMENT SALARY-AMOUNT
E2758	G52B.SELF-EMPLOYMENT SALARY-PER
E2760	G53.RECEIVE NET EARNINGS/PROFITS
E2761	G53A.NET EARNINGS/PROFITS-AMOUNT
E2762	G53B.NET EARNINGS/PROFITS-PER
E2772	G56.HOW PAID ON JOB
E2774	G56A.AMOUNT SALARY
E2775	G56B.AMOUNT SALARY PER
E2781	G56F.HOURLY WAGE RATE
E2791	G56M.AMOUNT PER TIME PERIOD
E2792	G56N.AMOUNT PER TIME PERIOD PER
E2796	G56R.AMOUNT PAID
E2797	G56S.AMOUNT PAID PER
E3019	G128.ANY OTHER PAID WORK
E3021	G129.HOURS/WEEK ON 2ND JOB
E3022	G130.WEEKS/YEAR ON 2ND JOB
E3023	G131.EARNINGS ON 2ND JOB
E3024	G131A.PER
E3057	G141.WORK BEFORE CURRENT EMPLOYMENT
E3059	G143.HOURS/WEEK WORKED
E3060	G144.EARNINGS DURING WORKING MONTHS
E3061	G144A.EARNINGS DURING WORKING MONTHS PER
E3125	GG1.EVER WRKD FOR PAY MORE THN FEW MTHS?
E3127	GG1A.LAST WORKED-YEAR
E3128	GG1A.LAST WORKED-YEARS AGO
E3135	GG7.HOURS WORK PER WEEK
E3138	GG9.WEEKS WORK PER YEAR
E3139	GG10.EARNINGS WHEN LEFT
E3140	GG10.EARNINGS WHEN LEFT PER
E3325	GH1.OTHER EMPLOYER 5+ YEARS
E3337	GH7.LEFT EMPLOYER-YEAR
E3338	GH7.LEFT EMPLOYER-YEARS AGO
E3339	GH7.LEFT EMPLOYER-AGE
E3342	GH8.HOURS WORKED PER WEEK
E3343	GH9.WEEKS WORKED PER YEAR
E3344	GH10.EARNINGS IN LAST YEAR
E3345	GH10.PER TIME UNIT
HRS 1998:	
F3131	G2.WORKING FOR PAY
F3132	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
F3134	G5.STOPPED WORKING FOR SELF-MONTH
F3135	G5A.STOPPED WORKING FOR SELF-YEAR
F3141	G6.PAID REGULAR SALARY
F3142	G6A.AMOUNT OF SALARY
F3143	G6B.AMOUNT OF SALARY-PER
F3154	G7.RECEIVE ANY PROFITS?
F3155	G7A.AMOUNT OF PROFITS
F3156	G7B.AMOUNT OF PROFITS-PER
F3188	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
F3189	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
F3191	G27.AMOUNT OF EARNINGS WHEN LEFT
F3192	G27A.AMOUNT OF EARNINGS WHEN LEFT-PER
F3259	G44.HOURS WORK PER WEEK
F3269	G47.WEEKS PER YEAR USUALLY WORK
F3279	G52.PAID REGULAR SALARY/WAGES?
F3280	G52A.SELF-EMPLOYMENT SALARY-AMOUNT
F3281	G52B.SELF-EMPLOYMENT SALARY-PER

F3283	G53.RECEIVE NET EARNINGS/PROFITS
F3284	G53A.NET EARNINGS/PROFITS-AMOUNT
F3285	G53B.NET EARNINGS/PROFITS-PER
F3295	G56.HOW PAID ON JOB
F3297	G56A.AMOUNT SALARY
F3298	G56B.AMOUNT SALARY-PER
F3304	G56F.HOURLY WAGE RATE
F3314	G56M.AMOUNT PER TIME PERIOD
F3315	G56N.AMOUNT PER TIME PERIOD-PER
F3319	G56R.AMOUNT PAID
F3320	G56S.AMOUNT PAID-PER
F3549	G128.ANY OTHER PAID WORK
F3551	G129.HOURS/WEEK ON 2ND JOB
F3552	G130.WEEKS/YEAR ON 2ND JOB
F3553	G131.EARNINGS ON 2ND JOB
F3554	G131A.EARNINGS ON 2ND JOB-PER
F3589	G141.WORK BEFORE CURRENT EMPLOYMENT
F3591	G143.HOURS/WEEK WORKED
F3592	G144.EARNINGS
F3593	G144A.EARNINGS-PER
F3643	GG1.EVER WORKED FOR PAY MORE THAN FEW MT
F3644	GG1A1.LAST WORKED WHEN-YEAR
F3645	GG1A2.LAST WORKED WHEN-YEARS AGO
F3653	GG7.HOURS WORK PER WEEK
F3656	GG9.WEEKS WORK PER YEAR
F3657	GG10.EARNINGS WHEN LEFT
F3658	GG10.EARNINGS WHEN LEFT-PER
F3830	GH1.OTHER EMPLOYER 5+ YEARS
F3842	GH7.LEFT EMPLOYER-YEAR
F3843	GH7.LEFT EMPLOYER-YEARS AGO
F3844	GH7.LEFT EMPLOYER-AGE
F3847	GH8.HOURS WORKED PER WEEK
F3848	GH9.WEEKS WORKED PER YEAR
F3849	GH10.EARNINGS IN LAST YEAR
F3850	GH10.PER TIME UNIT
HRS 2000:	
G3381	G2.WORKING FOR PAY
G3382	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
G3384	G5.STOPPED WORKING FOR SELF-MONTH
G3385	G5A.STOPPED WORKING FOR SELF-YEAR
G3392	G6.PAID REGULAR SALARY
G3393	G6A.AMOUNT OF SALARY
G3394	G6B.PER
G3404	G7.RECEIVE ANY PROFITS?
G3405	G7A.AMOUNT OF PROFITS
G3406	G7B.PER
G3437	G26.STOP WORK PREV WAVE EMPLOYR-MO
G3438	G26A.STOP WORK PREV WAVE EMPLOYR-YR
G3441	G27.AMOUNT OF EARNINGS WHEN LEFT
G3442	G27A.PER
G3509	G44.HOURS WORK PER WEEK
G3519	G47.WEEKS PER YEAR USUALLY WORK
G3539	G52.PAID REGULAR SALARY/WAGES?
G3540	G52A.SELF-EMPLOYMENT SALARY-AMOUNT
G3541	G52B.SELF-EMPLOYMENT SALARY-PER
G3543	G53.RECEIVE NET EARNINGS/PROFITS
G3544	G53A.NET EARNINGS/PROFITS-AMOUNT
G3545	G53B.NET EARNINGS/PROFITS-PER
G3555	G56.HOW PAID ON JOB

G3557	G56A.AMOUNT SALARY
G3558	G56B.PER
G3564	G56F.HOURLY WAGE RATE
G3574	G56M.AMOUNT PER TIME PERIOD
G3575	G56N.PER
G3579	G56R.AMOUNT PAID
G3580	G56S.PER
G3838	G128.ANY OTHER PAID WORK
G3840	G129.HOURS/WEEK ON 2ND JOB
G3841	G130.WEEKS/YEAR ON 2ND JOB
G3842	G131.EARNINGS ON 2ND JOB
G3843	G131A.PER
G3877	G141.WORK BEFORE CURRENT EMPLOYMENT
G3879	G143.HOURS/WEEK WORKED
G3880	G144.EARNINGS
G3881	G144A.PER
G3953	GG1.WORK FOR PAY MORE THAN FEW MOS
G3954	GG1A1.LAST WORKED WHEN-YEAR
G3955	GG1A2.LAST WORKED WHEN-YEARS AGO
G3963	GG7.HOURS WORK PER WEEK
G3966	GG9.WEEKS WORK PER YEAR
G3967	GG10.EARNINGS WHEN LEFT
G3968	GG10Y1. PER
G4092	GH1.OTHER EMPLOYER 5+ YEARS
G4104	GH7.LEFT EMPLOYER-YEAR
G4105	GH7Y1. LEFT EMPLOYER-YEARS AGO
G4106	GH7Y2. LEFT EMPLOYER-AGE
G4109	GH8.HOURS WORKED PER WEEK
G4110	GH9.WEEKS WORKED PER YEAR
G4111	GH10.EARNINGS IN LAST YEAR
G4112	GH10Y1. PER TIME UNIT
HRS 2002:	
HK001	WORK FOR PAY MORE THAN FEW MOS
HK002	LAST WRKED WHEN-YR
HK008	HRS WRK PR WK
HK013	EARNINGS WHEN LEFT- PER
HRS 2002-2014:	
xK003	LAST WRKED WHEN-YRS AGO
xK011	WKS WRK PR YR
xL005	OTR EMPLOYER 5+ YRS
xL016	LEFT EMPLOYER-YR
xL017	LEFT EMPLOYER-YRS AGO
xL018	LEFT EMPLOYER- AT AGE
xL020	HRS WRKED PR WK
xL021	WKS WRKED PR YR
xL022	EARNING IN LAST YR
xL023	EARNING IN LAST YR- PER
HRS 2002-2016:	
xJ020	WORKING FOR PAY
xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
xJ023	STOPPED WORKING FOR SLF-MO
xJ024	STOPPED WORKING FOR SLF- YR
xJ031	PAID REGULAR SALARY
xJ032	AMOUNT OF SALARY
xJ036	AMOUNT OF SALARY PER
xJ038	RECEIVE ANY PROFITS
xJ039	AMOUNT OF NET PROFITS/EARNINGS
xJ043	AMOUNT OF NET PROFITS/EARNINGS PER
xJ063	STOP/RETIRE WORK PREV WAVE EMPLOYER-MO

xJ064	STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
xJ067	AMOUNT EARNING WHEN LEFT
xJ071	AMOUNT EARNING WHEN LEFT - PER
xJ172	HRS WORK PER WEEK
xJ179	WKS PR YR USUALLY WORK
xJ187	PAID REGULAR SALARY/WAGES
xJ188	SELF-EMPLOYMENT SALARY AMOUNT
xJ192	SELF-EMPLOYMENT SALARY AMOUNT PER
xJ194	REC NET EARNINGS/PROFITS
xJ195	AMT NET EARNINGS/PROFITS
xJ199	AMT NET EARNINGS/PROFITS PER
xJ205	HOW PAID ON JOB
xJ206	AMOUNT OF SALARY ON JOB
xJ210	AMOUNT OF SALARY ON JOB PER
xJ216	HRLY WAGE RATE
xJ225	AMOUNT PAID FOR OVERTIME
xJ226	AMOUNT PAID FOR OVERTIME PER
xJ230	AMOUNT PAID- OTHER
xJ231	AMOUNT PAID- OTHER- PER
xJ553	ANY OTR PAID WORK
xJ556	HRS/WK ON 2ND JOB
xJ557	WKS/YR ON 2ND JOB
xJ558	EARNINGS ON SECOND JOB
xJ562	EARNINGS ON SECOND JOB - PER
xJ596	WORK BEFORE CURRENT EMPLOYMNT
xJ599	HRS/WK-WORKED BEFORE CURRENT EMPLOYMNT
xJ600	EARNINGS-WORK BEFORE CURRENT EMPLOYMNT
xJ604	WORK B/F CURRENT EMPLOYMNT-EARNINGS- PER
HRS 2004-2014:	
xK004	LAST WRKED WHEN-YR
xK005	LAST WRKED WHEN-YRS AGO
xK014	WKS WRK PR YR
xK016	EARNINGS WHEN LEFT- PER

Current job requires lots of physical effort

Wave	Variable	Label	Type
1	R1JPHYS	R1JPHYS:W1 Cur job req lots phys effort	Categ
2	R2JPHYS	R2JPHYS:W2 Cur job req lots phys effort	Categ
3	R3JPHYS	R3JPHYS:W3 Cur job req lots phys effort	Categ
4	R4JPHYS	R4JPHYS:W4 Cur job req lots phys effort	Categ
5	R5JPHYS	R5JPHYS:W5 Cur job req lots phys effort	Categ
6	R6JPHYS	R6JPHYS:W6 Cur job req lots phys effort	Categ
7	R7JPHYS	R7JPHYS:W7 Cur job req lots phys effort	Categ
8	R8JPHYS	R8JPHYS:W8 Cur job req lots phys effort	Categ
9	R9JPHYS	R9JPHYS:W9 Cur job req lots phys effort	Categ
10	R10JPHYS	R10JPHYS:W10 Cur job req lots phys effort	Categ
11	R11JPHYS	R11JPHYS:W11 Cur job req lots phys effort	Categ
12	R12JPHYS	R12JPHYS:W12 Cur job req lots phys effort	Categ
13	R13JPHYS	R13JPHYS:W13 Cur job req lots phys effort	Categ
1	S1JPHYS	S1JPHYS:W1 Cur job req lots phys effort	Categ
2	S2JPHYS	S2JPHYS:W2 Cur job req lots phys effort	Categ
3	S3JPHYS	S3JPHYS:W3 Cur job req lots phys effort	Categ
4	S4JPHYS	S4JPHYS:W4 Cur job req lots phys effort	Categ
5	S5JPHYS	S5JPHYS:W5 Cur job req lots phys effort	Categ
6	S6JPHYS	S6JPHYS:W6 Cur job req lots phys effort	Categ
7	S7JPHYS	S7JPHYS:W7 Cur job req lots phys effort	Categ
8	S8JPHYS	S8JPHYS:W8 Cur job req lots phys effort	Categ
9	S9JPHYS	S9JPHYS:W9 Cur job req lots phys effort	Categ
10	S10JPHYS	S10JPHYS:W10 Cur job req lots phys effort	Categ
11	S11JPHYS	S11JPHYS:W11 Cur job req lots phys effort	Categ
12	S12JPHYS	S12JPHYS:W12 Cur job req lots phys effort	Categ
13	S13JPHYS	S13JPHYS:W13 Cur job req lots phys effort	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JPHYS	8316	2.69	1.13	1.0	4.0
R2JPHYS	6985	2.72	1.12	1.0	4.0
R3JPHYS	6473	2.77	1.11	1.0	4.0
R4JPHYS	7919	2.82	1.11	1.0	4.0
R5JPHYS	6852	2.86	1.11	1.0	4.0
R6JPHYS	5832	2.87	1.11	1.0	4.0
R7JPHYS	7424	2.82	1.13	1.0	4.0
R8JPHYS	6304	2.83	1.12	1.0	4.0
R9JPHYS	5670	2.87	1.13	1.0	5.0
R10JPHYS	8557	2.73	1.14	1.0	5.0
R11JPHYS	7667	2.75	1.14	1.0	5.0
R12JPHYS	6622	2.77	1.12	1.0	5.0
R13JPHYS	8538	2.74	1.14	1.0	5.0
S1JPHYS	6561	2.71	1.13	1.0	4.0
S2JPHYS	5450	2.74	1.12	1.0	4.0
S3JPHYS	4925	2.78	1.11	1.0	4.0
S4JPHYS	5835	2.84	1.11	1.0	4.0
S5JPHYS	5076	2.87	1.11	1.0	4.0
S6JPHYS	4291	2.88	1.11	1.0	4.0
S7JPHYS	5383	2.83	1.13	1.0	4.0
S8JPHYS	4567	2.84	1.12	1.0	4.0
S9JPHYS	4074	2.89	1.12	1.0	5.0
S10JPHYS	5860	2.76	1.13	1.0	5.0

S11JPHYS	5267	2.76	1.13	1.0	5.0
S12JPHYS	4469	2.79	1.12	1.0	5.0
S13JPHYS	5413	2.76	1.13	1.0	5.0

Categorical Variable Codes

RwJPHYS: Cur job req lots phys effort

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	3	4	5	3	3	3	2	1	2	1
.M=Oth missing	14	26	136	168	125	32	112	176	106	343
.P=No info prior wv (proxy/			175	91	50	6	3		1	1
.Q=Not asked this/prv wv		8222								
.R=RF	51	8	10	13	9	6	5		5	2
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	4354	11100	12940	12337	12082	12265	11814	11321	12969
1.All/almost all the time	1811	1455	1257	1493	1228	1085	1501	1223	1036	1874
2.Most of the time	1580	1312	1161	1268	1044	794	1026	891	829	1367
3.Some of the time	2337	1976	1873	2317	2013	1753	2213	1919	1747	2548
4.None/almost none of time	2588	2242	2182	2841	2567	2200	2684	2271	1970	2720
5.Does not apply									88	48

Value	w11	w12	w13
.D=DK/NA	5	7	12
.M=Oth missing	225	203	221
.P=No info prior wv (proxy/			
.Q=Not asked this/prv wv			
.R=RF	1	2	4
.S=Skip,proxy IW	111	90	109
.W=Skip,not working	12545	11823	12028
1.All/almost all the time	1607	1308	1857
2.Most of the time	1288	1184	1351
3.Some of the time	2248	1912	2525
4.None/almost none of time	2478	2191	2776
5.Does not apply	46	27	29

SwJPHYS: Cur job req lots phys effort

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	3	4	3	2	1	1		1	1
.M=Oth missing	5	12	59	103	82	17	67	139	67	210
.P=No info prior wv (proxy/			118	64	33	6	3		1	1
.Q=Not asked this/prv wv		4549								
.R=RF	32	7	8	8	4	6	4		2	1
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	384	417	536	311	220	380	317	365	722
.W=Skip,not working	3300	3231	6714	7730	7340	7124	7202	6859	6393	7285
1.All/almost all the time	1386	1090	933	1055	902	783	1063	873	713	1230
2.Most of the time	1239	1020	878	937	770	585	747	650	596	919
3.Some of the time	1849	1564	1458	1727	1486	1300	1601	1378	1252	1790
4.None/almost none of time	2087	1776	1656	2116	1918	1623	1972	1666	1451	1888
5.Does not apply									62	33

Value	w11	w12	w13
.D=DK/NA	4	3	9
.M=Oth missing	134	121	97
.P=No info prior wv (proxy/			
.Q=Not asked this/prv wv			
.R=RF		1	3
.S=Skip,proxy IW	108	88	109
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6975	6330	6148
1.All/almost all the time	1063	850	1136
2.Most of the time	891	781	825
3.Some of the time	1566	1302	1670
4.None/almost none of time	1718	1523	1767
5.Does not apply	29	13	15

How Constructed

RwJPHYS indicates the extent to which the Respondent says her/his job requires lots of physical effort.

RwJPHYS simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

In Wave 2A, there was no question about physical effort at a job. So for the AHEAD Respondents, R2JPHYS is set to the .Q SAS special missing value, to indicate that no information is available.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy, then the current wave variable is set to .P, information from prior interview is missing.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJPHYS.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires lots of physical effort.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A this question was not asked.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or W2a, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

HRS 1992:	
V3301	F82A:JB RQR PHYSICL EFRT
HRS 1994:	
W3943	FA115a.PHYSICAL EFFORT
W4601	FB75a.JOB REQUIRES PHYSI
AHEAD 1995:	
D3091	GA115A. PHYSICAL EFFORT
D3455	GB75A. PHYSICAL EFFORT
HRS 1996:	
E3004	G126A.PHYSICAL EFFORT
HRS 1998:	
F3533	G126A.PHYSICAL EFFORT
HRS 2000:	
G3821	G126A.PHYSICAL EFFORT
HRS 2002-2016:	
xJ538	PHYSICAL EFFORT

Current job requires lifting heavy loads

Wave	Variable	Label	Type
1	R1JLIFT	R1JLIFT:W1 Cur job req lift heavy loads	Categ
2	R2JLIFT	R2JLIFT:W2 Cur job req lift heavy loads	Categ
3	R3JLIFT	R3JLIFT:W3 Cur job req lift heavy loads	Categ
4	R4JLIFT	R4JLIFT:W4 Cur job req lift heavy loads	Categ
5	R5JLIFT	R5JLIFT:W5 Cur job req lift heavy loads	Categ
6	R6JLIFT	R6JLIFT:W6 Cur job req lift heavy loads	Categ
7	R7JLIFT	R7JLIFT:W7 Cur job req lift heavy loads	Categ
8	R8JLIFT	R8JLIFT:W8 Cur job req lift heavy loads	Categ
9	R9JLIFT	R9JLIFT:W9 Cur job req lift heavy loads	Categ
10	R10JLIFT	R10JLIFT:W10 Cur job req lift heavy loads	Categ
11	R11JLIFT	R11JLIFT:W11 Cur job req lift heavy loads	Categ
12	R12JLIFT	R12JLIFT:W12 Cur job req lift heavy loads	Categ
13	R13JLIFT	R13JLIFT:W13 Cur job req lift heavy loads	Categ
1	S1JLIFT	S1JLIFT:W1 Cur job req lift heavy loads	Categ
2	S2JLIFT	S2JLIFT:W2 Cur job req lift heavy loads	Categ
3	S3JLIFT	S3JLIFT:W3 Cur job req lift heavy loads	Categ
4	S4JLIFT	S4JLIFT:W4 Cur job req lift heavy loads	Categ
5	S5JLIFT	S5JLIFT:W5 Cur job req lift heavy loads	Categ
6	S6JLIFT	S6JLIFT:W6 Cur job req lift heavy loads	Categ
7	S7JLIFT	S7JLIFT:W7 Cur job req lift heavy loads	Categ
8	S8JLIFT	S8JLIFT:W8 Cur job req lift heavy loads	Categ
9	S9JLIFT	S9JLIFT:W9 Cur job req lift heavy loads	Categ
10	S10JLIFT	S10JLIFT:W10 Cur job req lift heavy loads	Categ
11	S11JLIFT	S11JLIFT:W11 Cur job req lift heavy loads	Categ
12	S12JLIFT	S12JLIFT:W12 Cur job req lift heavy loads	Categ
13	S13JLIFT	S13JLIFT:W13 Cur job req lift heavy loads	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLIFT	8321	3.28	0.96	1.0	4.0
R2JLIFT	6987	3.32	0.93	1.0	4.0
R3JLIFT	6473	3.38	0.89	1.0	4.0
R4JLIFT	7920	3.38	0.90	1.0	4.0
R5JLIFT	6855	3.42	0.87	1.0	4.0
R6JLIFT	5831	3.42	0.91	1.0	4.0
R7JLIFT	7424	3.37	0.94	1.0	4.0
R8JLIFT	6305	3.38	0.93	1.0	4.0
R9JLIFT	5671	3.42	0.97	1.0	5.0
R10JLIFT	8556	3.32	0.99	1.0	5.0
R11JLIFT	7670	3.34	0.98	1.0	5.0
R12JLIFT	6626	3.35	0.95	1.0	5.0
R13JLIFT	8545	3.32	0.98	1.0	5.0
S1JLIFT	6566	3.28	0.95	1.0	4.0
S2JLIFT	5452	3.32	0.92	1.0	4.0
S3JLIFT	4924	3.36	0.89	1.0	4.0
S4JLIFT	5836	3.37	0.91	1.0	4.0
S5JLIFT	5078	3.40	0.89	1.0	4.0
S6JLIFT	4291	3.41	0.90	1.0	4.0
S7JLIFT	5383	3.36	0.94	1.0	4.0
S8JLIFT	4567	3.36	0.94	1.0	4.0
S9JLIFT	4074	3.42	0.95	1.0	5.0
S10JLIFT	5860	3.31	0.98	1.0	5.0

S11JLIFT	5270	3.32	0.98	1.0	5.0
S12JLIFT	4470	3.34	0.96	1.0	5.0
S13JLIFT	5418	3.32	0.96	1.0	5.0

Categorical Variable Codes

RwJLIFT: Cur job req lift heavy loads

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	1	2	5	3	1	3	2		1	3
.M=Oth missing	14	26	136	168	125	32	112	176	106	343
.P=No info prior wv (proxy/			175	91	50	6	3		1	1
.Q=Not asked this/prv wv		8222								
.R=RF	48	8	10	12	8	7	5		5	1
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	4354	11100	12940	12337	12082	12265	11814	11321	12969
1.All/almost all the time	777	576	458	599	464	452	668	523	455	826
2.Most of the time	663	515	440	496	397	323	436	397	350	585
3.Some of the time	2347	1962	1774	2083	1792	1386	1792	1556	1439	2377
4.None/almost none of time	4534	3934	3801	4742	4202	3670	4528	3829	3193	4579
5.Does not apply									234	189

Value	w11	w12	w13
.D=DK/NA	2	4	5
.M=Oth missing	225	203	221
.P=No info prior wv (proxy/			
.Q=Not asked this/prv wv			
.R=RF	1	1	4
.S=Skip,proxy IW	111	90	109
.W=Skip,not working	12545	11823	12028
1.All/almost all the time	715	558	790
2.Most of the time	501	463	613
3.Some of the time	2106	1802	2383
4.None/almost none of time	4170	3679	4593
5.Does not apply	178	124	166

SwJLIFT: Cur job req lift heavy loads

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	1	2	5	2		1	1		1	1
.M=Oth missing	5	12	59	103	82	17	67	139	67	210
.P=No info prior wv (proxy/			118	64	33	6	3		1	1
.Q=Not asked this/prv wv		4549								
.R=RF	28	6	8	8	4	6	4		2	1
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	384	417	536	311	220	380	317	365	722
.W=Skip,not working	3300	3231	6714	7730	7340	7124	7202	6859	6393	7285
1.All/almost all the time	595	429	352	444	355	331	482	388	315	567
2.Most of the time	530	417	344	387	313	240	322	309	254	402
3.Some of the time	1902	1573	1387	1552	1342	1057	1341	1140	1048	1649
4.None/almost none of time	3539	3033	2841	3453	3068	2663	3238	2730	2312	3138
5.Does not apply									145	104

Value	w11	w12	w13
.D=DK/NA	1	2	3
.M=Oth missing	134	121	97
.P=No info prior wv (proxy/			
.Q=Not asked this/prv wv			
.R=RF		1	4
.S=Skip,proxy IW	108	88	109
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6975	6330	6148
1.All/almost all the time	507	383	483
2.Most of the time	352	322	385
3.Some of the time	1437	1216	1547
4.None/almost none of time	2880	2479	2912
5.Does not apply	94	70	91

How Constructed

RwJLIFT indicates the extent to which the Respondent says her/his job requires lifting heavy loads.

RwJLIFT simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

In Wave 2A, there was no question about lifting heavy loads at a job. So for the AHEAD Respondents, R2JLIFT is set to the .Q SAS special missing value, to indicate that no information is available.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy, then the current wave variable is set to .P, information from prior interview is missing.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLIFT.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires lifting heavy loads.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A this question was not asked.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or W2A, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

HRS 1992:	
V3302	F82B:JB LFTING HVY LDS
HRS 1994:	
W3944	FA115b.LIFTING HEAVY LOA
W4602	FB75b.JOB REQUIRES LIFTI
AHEAD 1995:	
D3092	GA115B. LIFTING HEAVY LOADS
D3456	GB75B. LIFTING HEAVY LOADS
HRS 1996:	
E3005	G126B.LIFTING HEAVY LOADS
HRS 1998:	
F3534	G126B.LIFTING HEAVY LOADS
HRS 2000:	
G3822	G126B.LIFTING HEAVY LOADS
HRS 2002-2016:	
xJ539	LIFTING HEAVY LOADS

Current job requires stooping, kneeling, or crouching
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Wave	Variable	Label	Type
1	R1JSTOOP	R1JSTOOP:W1 Cur job req stoop/kneel/crouch	Categ
2	R2JSTOOP	R2JSTOOP:W2 Cur job req stoop/kneel/crouch	Categ
3	R3JSTOOP	R3JSTOOP:W3 Cur job req stoop/kneel/crouch	Categ
4	R4JSTOOP	R4JSTOOP:W4 Cur job req stoop/kneel/crouch	Categ
5	R5JSTOOP	R5JSTOOP:W5 Cur job req stoop/kneel/crouch	Categ
6	R6JSTOOP	R6JSTOOP:W6 Cur job req stoop/kneel/crouch	Categ
7	R7JSTOOP	R7JSTOOP:W7 Cur job req stoop/kneel/crouch	Categ
8	R8JSTOOP	R8JSTOOP:W8 Cur job req stoop/kneel/crouch	Categ
9	R9JSTOOP	R9JSTOOP:W9 Cur job req stoop/kneel/crouch	Categ
10	R10JSTOOP	R10JSTOOP:W10 Cur job req stoop/kneel/crouch	Categ
11	R11JSTOOP	R11JSTOOP:W11 Cur job req stoop/kneel/crouch	Categ
12	R12JSTOOP	R12JSTOOP:W12 Cur job req stoop/kneel/crouch	Categ
13	R13JSTOOP	R13JSTOOP:W13 Cur job req stoop/kneel/crouch	Categ
1	S1JSTOOP	S1JSTOOP:W1 Cur job req stoop/kneel/crouch	Categ
2	S2JSTOOP	S2JSTOOP:W2 Cur job req stoop/kneel/crouch	Categ
3	S3JSTOOP	S3JSTOOP:W3 Cur job req stoop/kneel/crouch	Categ
4	S4JSTOOP	S4JSTOOP:W4 Cur job req stoop/kneel/crouch	Categ
5	S5JSTOOP	S5JSTOOP:W5 Cur job req stoop/kneel/crouch	Categ
6	S6JSTOOP	S6JSTOOP:W6 Cur job req stoop/kneel/crouch	Categ
7	S7JSTOOP	S7JSTOOP:W7 Cur job req stoop/kneel/crouch	Categ
8	S8JSTOOP	S8JSTOOP:W8 Cur job req stoop/kneel/crouch	Categ
9	S9JSTOOP	S9JSTOOP:W9 Cur job req stoop/kneel/crouch	Categ
10	S10JSTOOP	S10JSTOOP:W10 Cur job req stoop/kneel/crouch	Categ
11	S11JSTOOP	S11JSTOOP:W11 Cur job req stoop/kneel/crouch	Categ
12	S12JSTOOP	S12JSTOOP:W12 Cur job req stoop/kneel/crouch	Categ
13	S13JSTOOP	S13JSTOOP:W13 Cur job req stoop/kneel/crouch	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSTOOP	8316	2.93	1.01	1.0	4.0
R2JSTOOP	6983	2.98	1.02	1.0	4.0
R3JSTOOP	6472	3.02	1.01	1.0	4.0
R4JSTOOP	7920	3.02	1.03	1.0	4.0
R5JSTOOP	6852	3.06	1.02	1.0	4.0
R6JSTOOP	5833	3.03	1.05	1.0	4.0
R7JSTOOP	7424	2.97	1.08	1.0	4.0
R8JSTOOP	6300	2.97	1.08	1.0	4.0
R9JSTOOP	5670	3.03	1.10	1.0	5.0
R10JSTOOP	8554	2.91	1.12	1.0	5.0
R11JSTOOP	7665	2.92	1.11	1.0	5.0
R12JSTOOP	6625	2.94	1.10	1.0	5.0
R13JSTOOP	8543	2.92	1.11	1.0	5.0
S1JSTOOP	6563	2.94	1.01	1.0	4.0
S2JSTOOP	5450	2.98	1.01	1.0	4.0
S3JSTOOP	4925	3.00	1.01	1.0	4.0
S4JSTOOP	5836	3.01	1.03	1.0	4.0
S5JSTOOP	5076	3.04	1.03	1.0	4.0
S6JSTOOP	4291	3.02	1.06	1.0	4.0
S7JSTOOP	5383	2.96	1.09	1.0	4.0
S8JSTOOP	4564	2.96	1.08	1.0	4.0
S9JSTOOP	4073	3.03	1.10	1.0	5.0
S10JSTOOP	5859	2.91	1.12	1.0	5.0

S11JSTOOP	5265	2.91	1.10	1.0	5.0
S12JSTOOP	4468	2.93	1.10	1.0	5.0
S13JSTOOP	5417	2.93	1.10	1.0	5.0

Categorical Variable Codes

RwJSTOOP: Cur job req stoop/kneel/crouch

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	3	4	2	1	2	2	5	2	5
.M=Oth missing	14	26	136	168	125	32	112	176	106	343
.P=No info prior wv (proxy/			175	91	50	6	3		1	1
.Q=Not asked this/prv wv		8222								
.R=RF	52	11	12	13	11	6	5		5	1
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	4354	11100	12940	12337	12082	12265	11814	11321	12969
1.All/almost all the time	1153	933	826	1070	889	855	1232	1021	864	1592
2.Most of the time	1110	883	771	889	713	571	751	666	612	940
3.Some of the time	3194	2578	2354	2763	2374	1929	2415	2067	1852	2779
4.None/almost none of time	2859	2589	2521	3198	2876	2478	3026	2546	2174	3129
5.Does not apply									168	114

Value	w11	w12	w13
.D=DK/NA	7	5	9
.M=Oth missing	225	203	221
.P=No info prior wv (proxy/			
.Q=Not asked this/prv wv			
.R=RF	1	1	2
.S=Skip,proxy IW	111	90	109
.W=Skip,not working	12545	11823	12028
1.All/almost all the time	1357	1131	1519
2.Most of the time	846	761	964
3.Some of the time	2587	2207	2830
4.None/almost none of time	2776	2458	3134
5.Does not apply	99	68	96

SwJSTOOP: Cur job req stoop/kneel/crouch

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	3	3	2		1	1	3	2	2
.M=Oth missing	5	12	59	103	82	17	67	139	67	210
.P=No info prior wv (proxy/			118	64	33	6	3		1	1
.Q=Not asked this/prv wv		4549								
.R=RF	30	7	9	8	6	6	4		2	1
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	384	417	536	311	220	380	317	365	722
.W=Skip,not working	3300	3231	6714	7730	7340	7124	7202	6859	6393	7285
1.All/almost all the time	907	704	637	800	674	636	902	750	614	1079
2.Most of the time	872	706	596	662	542	443	574	502	444	662
3.Some of the time	2524	2019	1814	2046	1755	1412	1742	1491	1329	1899
4.None/almost none of time	2260	2021	1878	2328	2105	1800	2165	1821	1573	2147
5.Does not apply									113	72

Value	w11	w12	w13
.D=DK/NA	6	4	6
.M=Oth missing	134	121	97
.P=No info prior wv (proxy/			
.Q=Not asked this/prv wv			
.R=RF		1	2
.S=Skip,proxy IW	108	88	109
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6975	6330	6148
1.All/almost all the time	922	757	930
2.Most of the time	621	546	603
3.Some of the time	1774	1470	1840
4.None/almost none of time	1886	1653	1993
5.Does not apply	62	42	51

How Constructed

RwJSTOOP indicates the extent to which the Respondent says her/his job requires stooping, kneeling, or crouching.

RwJSTOOP simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

In Wave 2A, there was no question about stooping, kneeling, or crouching at a job. So for the AHEAD Respondents, R2JSTOOP is set to the .Q SAS special missing value, to indicate that no information is available.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy, then the current wave variable is set to .P, information from prior interview is missing.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJSTOOP.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires stooping, kneeling, or crouching.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A this question was not asked.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or W2A, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

HRS 1992:	
V3303	F82C:JB RQR STP/KNG/CRNG
HRS 1994:	
W3945	FA115c.STOOPING/KNEELING
W4603	FB75c.JOB REQUIRES STOOP
AHEAD 1995:	
D3093	GA115C. STOOPING, KNEELING, ETC.
D3457	GB75C. STOOPING, KNEELING, ETC.
HRS 1996:	
E3006	G126C.STOOPING/KNEELING/CROUCHING
HRS 1998:	
F3535	G126C.STOOPING/KNEELING/CROUCHING
HRS 2000:	
G3823	G126C.STOOPING/KNEELING/CROUCHING
HRS 2002-2016:	
xJ540	STOOPING/KNEELING/CROUCHING

Current job requires good eyesight

Wave	Variable	Label	Type
1	R1JSIGHT	R1JSIGHT:W1 Cur job req good eyesight	Categ
2	R2JSIGHT	R2JSIGHT:W2 Cur job req good eyesight	Categ
3	R3JSIGHT	R3JSIGHT:W3 Cur job req good eyesight	Categ
4	R4JSIGHT	R4JSIGHT:W4 Cur job req good eyesight	Categ
5	R5JSIGHT	R5JSIGHT:W5 Cur job req good eyesight	Categ
6	R6JSIGHT	R6JSIGHT:W6 Cur job req good eyesight	Categ
7	R7JSIGHT	R7JSIGHT:W7 Cur job req good eyesight	Categ
8	R8JSIGHT	R8JSIGHT:W8 Cur job req good eyesight	Categ
9	R9JSIGHT	R9JSIGHT:W9 Cur job req good eyesight	Categ
10	R10JSIGHT	R10JSIGHT:W10 Cur job req good eyesight	Categ
11	R11JSIGHT	R11JSIGHT:W11 Cur job req good eyesight	Categ
12	R12JSIGHT	R12JSIGHT:W12 Cur job req good eyesight	Categ
13	R13JSIGHT	R13JSIGHT:W13 Cur job req good eyesight	Categ
1	S1JSIGHT	S1JSIGHT:W1 Cur job req good eyesight	Categ
2	S2JSIGHT	S2JSIGHT:W2 Cur job req good eyesight	Categ
3	S3JSIGHT	S3JSIGHT:W3 Cur job req good eyesight	Categ
4	S4JSIGHT	S4JSIGHT:W4 Cur job req good eyesight	Categ
5	S5JSIGHT	S5JSIGHT:W5 Cur job req good eyesight	Categ
6	S6JSIGHT	S6JSIGHT:W6 Cur job req good eyesight	Categ
7	S7JSIGHT	S7JSIGHT:W7 Cur job req good eyesight	Categ
8	S8JSIGHT	S8JSIGHT:W8 Cur job req good eyesight	Categ
9	S9JSIGHT	S9JSIGHT:W9 Cur job req good eyesight	Categ
10	S10JSIGHT	S10JSIGHT:W10 Cur job req good eyesight	Categ
11	S11JSIGHT	S11JSIGHT:W11 Cur job req good eyesight	Categ
12	S12JSIGHT	S12JSIGHT:W12 Cur job req good eyesight	Categ
13	S13JSIGHT	S13JSIGHT:W13 Cur job req good eyesight	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSIGHT	8307	1.61	0.78	1.0	4.0
R2JSIGHT	7723	1.62	0.78	1.0	4.0
R3JSIGHT	6636	1.56	0.79	1.0	4.0
R4JSIGHT	8005	1.53	0.80	1.0	4.0
R5JSIGHT	6900	1.52	0.80	1.0	4.0
R6JSIGHT	5833	1.47	0.79	1.0	4.0
R7JSIGHT	7423	1.49	0.80	1.0	4.0
R8JSIGHT	6302	1.46	0.78	1.0	4.0
R9JSIGHT	5671	1.47	0.81	1.0	5.0
R10JSIGHT	8558	1.49	0.81	1.0	5.0
R11JSIGHT	7666	1.49	0.81	1.0	5.0
R12JSIGHT	6622	1.49	0.80	1.0	5.0
R13JSIGHT	8533	1.51	0.84	1.0	5.0
S1JSIGHT	6557	1.61	0.77	1.0	4.0
S2JSIGHT	5941	1.62	0.77	1.0	4.0
S3JSIGHT	5032	1.56	0.78	1.0	4.0
S4JSIGHT	5895	1.53	0.79	1.0	4.0
S5JSIGHT	5108	1.51	0.79	1.0	4.0
S6JSIGHT	4292	1.46	0.78	1.0	4.0
S7JSIGHT	5383	1.48	0.79	1.0	4.0
S8JSIGHT	4565	1.46	0.78	1.0	4.0
S9JSIGHT	4074	1.47	0.81	1.0	5.0
S10JSIGHT	5862	1.48	0.81	1.0	5.0

S11JSIGHT	5267	1.48	0.81	1.0	5.0
S12JSIGHT	4468	1.50	0.80	1.0	5.0
S13JSIGHT	5410	1.50	0.82	1.0	5.0

Categorical Variable Codes

RwJSIGHT: Cur job req good eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	2	3	3	2	3	2	1	1	2
.M=Oth missing	14	75	149	175	127	35	114	176	106	343
.R=RF	61	15	11	11	10	8	7	2	6	1
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	11784	11100	12940	12337	12082	12265	11814	11321	12969
1.All/almost all the time	4498	4115	3901	5013	4422	3942	4958	4307	3892	5775
2.Most of the time	2865	2722	1964	2049	1660	1257	1608	1315	1137	1754
3.Some of the time	658	625	540	637	552	400	548	459	424	701
4.None/almost none of time	286	261	231	306	266	234	309	221	195	303
5.Does not apply									23	25

Value	w11	w12	w13
.D=DK/NA	5	8	16
.M=Oth missing	225	203	221
.R=RF	2	1	5
.S=Skip,proxy IW	111	90	109
.W=Skip,not working	12545	11823	12028
1.All/almost all the time	5154	4389	5652
2.Most of the time	1623	1455	1767
3.Some of the time	591	526	737
4.None/almost none of time	278	243	360
5.Does not apply	20	9	17

SwJSIGHT: Cur job req good eyesight

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	2	2	3	2		1		1	1	
.M=Oth missing	5	44	69	110	84	20	69	139	67	210
.R=RF	36	11	10	6	5	8	6	1	3	1
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.W=Skip,not working	3300	7054	6714	7730	7340	7124	7202	6859	6393	7285
1.All/almost all the time	3520	3154	2968	3689	3287	2906	3590	3117	2776	3967
2.Most of the time	2307	2110	1489	1520	1239	938	1191	965	837	1207
3.Some of the time	506	478	412	468	394	287	395	321	305	465
4.None/almost none of time	224	199	163	218	188	161	207	162	139	206
5.Does not apply									17	17

Value	w11	w12	w13
.D=DK/NA	4	4	10
.M=Oth missing	134	121	97
.R=RF		1	5
.S=Skip,proxy IW	108	88	109
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109

.W=Skip, not working	|	6975	6330	6148
1.All/almost all the time	|	3547	2953	3594
2.Most of the time	|	1117	987	1140
3.Some of the time	|	398	360	466
4.None/almost none of time	|	190	160	201
5.Does not apply	|	15	8	9

How Constructed

RwJSIGHT indicates the extent to which the Respondent says her/his job requires good eyesight.

RwJSIGHT simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. With the exclusion of Wave 6, the question is usually skipped if the Respondent is working at the same job. If skipped, and the Respondent reported working at the prior interview, then the prior interview value is used.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy then the current wave variable is set to .P, information from prior interview is missing.

In Wave 2A, there are only three levels of response as opposed to the four in other waves. The response categories are set to correspond to those with the same wording in other waves. The omitted level in Wave 2A is "All or almost all of the time."

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJSIGHT.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"I'll read some statements that are true for some people's jobs but not for other people's jobs. Thinking of your job, please tell how often these statements are true.

My job requires good eyesight.

Is this true all or almost all of the time, most of the time, some of the time, or none or almost none of the time?"

In Wave 2A, the second part of the question was slightly different:

"Is this true most of the time, some of the time, or hardly ever?"

So for AHEAD Respondents, R2JSIGHT has no code one ("All or almost all of the time").

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

In Wave 2H and from Wave 3 forward, if the Respondent is working for the same employer and has the same job title as in the previous interview, this question is skipped.

If the interview is by proxy this question is skipped and coded as .S. If no information was available from a prior interview because it was a proxy or W2a, it will be coded as .P.

From Wave 9, a category with value 5 was added to represent "Does Not Apply".

HRS Variables Used

HRS 1992:	
V3304	F82D:JB RQR GOOD EYESGHT
AHEAD 1993:	
B1191	G9. CURR WORK: REQ GOOD EYESIGHT
HRS 1994:	
W3946	FA115d.GOOD EYESIGHT
W4604	FB75d.JOB REQUIRES GOOD
AHEAD 1995:	
D3094	GA115D. GOOD EYESIGHT
D3458	GB75D. GOOD EYESIGHT
HRS 1996:	
E3007	G126D.GOOD EYESIGHT
HRS 1998:	
F3536	G126D.GOOD EYESIGHT
HRS 2000:	
G3824	G126D.GOOD EYESIGHT
HRS 2002-2016:	
xJ541	GOOD EYESIGHT

Current Job involves lots of stress

Wave	Variable	Label	Type
1	R1JSTRES	R1JSTRES:W1 Cur job involves much stress	Categ
2	R2JSTRES	R2JSTRES:W2 Cur job involves much stress	Categ
3	R3JSTRES	R3JSTRES:W3 Cur job involves much stress	Categ
4	R4JSTRES	R4JSTRES:W4 Cur job involves much stress	Categ
5	R5JSTRES	R5JSTRES:W5 Cur job involves much stress	Categ
6	R6JSTRES	R6JSTRES:W6 Cur job involves much stress	Categ
7	R7JSTRES	R7JSTRES:W7 Cur job involves much stress	Categ
8	R8JSTRES	R8JSTRES:W8 Cur job involves much stress	Categ
9	R9JSTRES	R9JSTRES:W9 Cur job involves much stress	Categ
10	R10JSTRES	R10JSTRES:W10 Cur job involves much stress	Categ
11	R11JSTRES	R11JSTRES:W11 Cur job involves much stress	Categ
12	R12JSTRES	R12JSTRES:W12 Cur job involves much stress	Categ
13	R13JSTRES	R13JSTRES:W13 Cur job involves much stress	Categ
1	S1JSTRES	S1JSTRES:W1 Cur job involves much stress	Categ
2	S2JSTRES	S2JSTRES:W2 Cur job involves much stress	Categ
3	S3JSTRES	S3JSTRES:W3 Cur job involves much stress	Categ
4	S4JSTRES	S4JSTRES:W4 Cur job involves much stress	Categ
5	S5JSTRES	S5JSTRES:W5 Cur job involves much stress	Categ
6	S6JSTRES	S6JSTRES:W6 Cur job involves much stress	Categ
7	S7JSTRES	S7JSTRES:W7 Cur job involves much stress	Categ
8	S8JSTRES	S8JSTRES:W8 Cur job involves much stress	Categ
9	S9JSTRES	S9JSTRES:W9 Cur job involves much stress	Categ
10	S10JSTRES	S10JSTRES:W10 Cur job involves much stress	Categ
11	S11JSTRES	S11JSTRES:W11 Cur job involves much stress	Categ
12	S12JSTRES	S12JSTRES:W12 Cur job involves much stress	Categ
13	S13JSTRES	S13JSTRES:W13 Cur job involves much stress	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JSTRES	8284	2.22	0.81	1.0	4.0
R2JSTRES	7722	2.37	0.86	1.0	4.0
R3JSTRES	6642	2.36	0.84	1.0	4.0
R4JSTRES	8084	2.31	0.83	1.0	4.0
R5JSTRES	6963	2.40	0.81	1.0	4.0
R6JSTRES	5833	2.37	0.82	1.0	4.0
R7JSTRES	7446	2.33	0.85	1.0	4.0
R8JSTRES	6381	2.34	0.86	1.0	4.0
R9JSTRES	5675	2.37	0.87	1.0	5.0
R10JSTRES	8565	2.30	0.86	1.0	5.0
R11JSTRES	7709	2.35	0.86	1.0	5.0
R12JSTRES	6676	2.37	0.85	1.0	5.0
R13JSTRES	8535	2.29	0.84	1.0	5.0
S1JSTRES	6534	2.23	0.80	1.0	4.0
S2JSTRES	5937	2.35	0.85	1.0	4.0
S3JSTRES	5039	2.36	0.83	1.0	4.0
S4JSTRES	5957	2.30	0.83	1.0	4.0
S5JSTRES	5161	2.39	0.82	1.0	4.0
S6JSTRES	4293	2.37	0.81	1.0	4.0
S7JSTRES	5400	2.33	0.85	1.0	4.0
S8JSTRES	4643	2.34	0.85	1.0	4.0
S9JSTRES	4080	2.36	0.86	1.0	5.0
S10JSTRES	5870	2.28	0.85	1.0	5.0
S11JSTRES	5301	2.33	0.86	1.0	5.0

S12JSTRES	4506	2.35	0.84	1.0	5.0
S13JSTRES	5412	2.28	0.83	1.0	5.0

Categorical Variable Codes

RwJSTRES: Cur job involves much stress

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	6	11	7	11	11	12	4	12	3	15
.M=Oth missing	14	75	145	88	57	29	92	82	98	321
.R=RF	80	7	5	11	8	5	4	6	8	3
.S=Skip,proxy IW		43	92	250	202	204	318	174	112	161
.W=Skip,not working	4268	11784	11100	12940	12337	12082	12265	11814	11321	12969
1.Strongly agree	1643	1287	1115	1492	1058	929	1403	1190	963	1676
2.Agree	3514	2999	2499	3020	2477	2154	2605	2233	2110	3279
3.Disagree	2755	2738	2572	3117	3011	2398	2989	2525	2155	3033
4.Strongly disagree	372	698	456	455	417	352	449	433	416	555
5.Does not apply									31	22

Value	w11	w12	w13
.D=DK/NA	14	14	18
.M=Oth missing	170	139	216
.R=RF	5	5	6
.S=Skip,proxy IW	111	90	109
.W=Skip,not working	12545	11823	12028
1.Strongly agree	1357	1100	1568
2.Agree	2939	2561	3503
3.Disagree	2810	2498	2936
4.Strongly disagree	582	506	503
5.Does not apply	21	11	25

SwJSTRES: Cur job involves much stress

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK/NA	6	11	6	9	7	8	2	7	3	10
.M=Oth missing	5	44	65	41	24	15	53	53	59	191
.R=RF	55	6	4	6	5	5	3	3	3	2
.S=Skip,proxy IW		38	89	237	193	194	312	170	108	155
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.W=Skip,not working	3300	7054	6714	7730	7340	7124	7202	6859	6393	7285
1.Strongly agree	1260	1001	823	1105	802	668	1016	847	689	1133
2.Agree	2827	2325	1914	2246	1871	1606	1908	1687	1559	2321
3.Disagree	2161	2138	1986	2300	2183	1782	2159	1812	1525	2044
4.Strongly disagree	286	473	316	306	305	237	317	297	286	358
5.Does not apply									21	14

Value	w11	w12	w13
.D=DK/NA	9	7	14
.M=Oth missing	93	78	93
.R=RF	2	3	3
.S=Skip,proxy IW	108	88	109
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6975	6330	6148

1.Strongly agree	|	948	732	993
2.Agree	|	2062	1785	2248
3.Disagree	|	1891	1665	1853
4.Strongly disagree	|	386	320	308
5.Does not apply	|	14	4	10

How Constructed

RwJSTRES indicates the extent to which the Respondent agrees with the statement that her/his job involves lots of stress.

RxJSTRES simply recodes missing values to SAS missing codes. If the question is skipped because the Respondent is not working, it is set to .W for not working. Unlike other job characteristic questions, this question is usually asked even if R is working at the same job. If skipped for some other reason, and R reported working at the prior interview, then the prior interview value is used.

Note that this question is not asked in any proxy interviews, but in many of these cases the prior interview report is used. Proxies for which this variable remains missing are set to .S.

If the value from a prior interview is used but is missing because the question wasn't asked or the interview was by proxy then current wave variable is set to .P, information from prior interview is missing.

In Wave 2A, there are only three levels of response as opposed to the four in other waves, and the wording reflects frequency rather than agreement. The omitted level in Wave 2A is the one that would correspond to "Strongly Agree" in other waves. The response of "Most of the time" is set to correspond to "Agree" in other waves, "Some of the time" is set to correspond to "Disagree", and "Hardly ever" is set to correspond to "Strongly Disagree."

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJSTRES.

Cross Wave Differences in Original HRS Data

Each wave working Respondents are asked a number of questions about the job's characteristics. The question wording is the same across waves and asks:

"Here are some statements that are true for some people's jobs but not for others. Thinking of your job, please indicate how much you agree or disagree with each statement.

My job involves a lot of stress.

Do you strongly agree, agree, disagree or strongly disagree with that statement?"

In Wave 2A, the second part of the question was slightly different:

"Is this true most of the time, some of the time, or hardly ever?"

So for the AHEAD Respondents, R2JSTRES has one fewer response category (missing "All or almost all of the time"), and the wording reflects frequency not agreement.

In Wave 3A the question is asked separately and appears in different variables, depending on whether the Respondent is self-employed or not.

This question is asked if the Respondent is working, whether or not it is the same job as the prior interview.

From Wave 9, a category with value 5 was added to represent "Does Not Apply."

HRS Variables Used

HRS 1992:	
V3317	F83D:JB INVOLVES STRESS
AHEAD 1993:	
B1196	G9c. CURR WORK: JOB STRESS HOW OFTEN
HRS 1994:	
W3950	FA116b.LOT OF STRESS
W4608	FB76b.JOB INVOLVES LOT O
AHEAD 1995:	
D3103	GA116B. LOT OF STRESS
D3463	GB76B. LOT OF STRESS
HRS 1996:	
E3012	G127B.LOT OF STRESS
HRS 1998:	
F3541	G127B.LOT OF STRESS
HRS 2000:	
G3830	G127B.LOT OF STRESS
HRS 2002-2016:	
xJ547	A LOT OF STRESS

Years of tenure on current job

Wave	Variable	Label	Type
1	R1JCTEN	R1JCTEN:W1 Current Job Tenure	Cont
2	R2JCTEN	R2JCTEN:W2 Current Job Tenure	Cont
3	R3JCTEN	R3JCTEN:W3 Current Job Tenure	Cont
4	R4JCTEN	R4JCTEN:W4 Current Job Tenure	Cont
5	R5JCTEN	R5JCTEN:W5 Current Job Tenure	Cont
6	R6JCTEN	R6JCTEN:W6 Current Job Tenure	Cont
7	R7JCTEN	R7JCTEN:W7 Current Job Tenure	Cont
8	R8JCTEN	R8JCTEN:W8 Current Job Tenure	Cont
9	R9JCTEN	R9JCTEN:W9 Current Job Tenure	Cont
10	R10JCTEN	R10JCTEN:W10 Current Job Tenure	Cont
11	R11JCTEN	R11JCTEN:W11 Current Job Tenure	Cont
12	R12JCTEN	R12JCTEN:W12 Current Job Tenure	Cont
13	R13JCTEN	R13JCTEN:W13 Current Job Tenure	Cont
1	S1JCTEN	S1JCTEN:W1 Current Job Tenure	Cont
2	S2JCTEN	S2JCTEN:W2 Current Job Tenure	Cont
3	S3JCTEN	S3JCTEN:W3 Current Job Tenure	Cont
4	S4JCTEN	S4JCTEN:W4 Current Job Tenure	Cont
5	S5JCTEN	S5JCTEN:W5 Current Job Tenure	Cont
6	S6JCTEN	S6JCTEN:W6 Current Job Tenure	Cont
7	S7JCTEN	S7JCTEN:W7 Current Job Tenure	Cont
8	S8JCTEN	S8JCTEN:W8 Current Job Tenure	Cont
9	S9JCTEN	S9JCTEN:W9 Current Job Tenure	Cont
10	S10JCTEN	S10JCTEN:W10 Current Job Tenure	Cont
11	S11JCTEN	S11JCTEN:W11 Current Job Tenure	Cont
12	S12JCTEN	S12JCTEN:W12 Current Job Tenure	Cont
13	S13JCTEN	S13JCTEN:W13 Current Job Tenure	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCTEN	8344	13.17	11.05	0.0	55.9
R2JCTEN	7785	13.74	12.52	0.0	68.4
R3JCTEN	6707	13.17	12.47	0.0	70.5
R4JCTEN	8192	12.93	12.26	0.0	70.5
R5JCTEN	7067	12.52	12.27	0.0	73.0
R6JCTEN	5942	12.51	12.56	0.0	75.0
R7JCTEN	7707	11.89	11.67	0.0	67.5
R8JCTEN	6510	11.94	11.90	0.0	69.6
R9JCTEN	5776	12.15	11.98	0.0	69.2
R10JCTEN	8726	12.18	11.30	0.0	71.0
R11JCTEN	7817	12.01	11.57	0.0	71.8
R12JCTEN	6752	12.08	11.68	0.0	70.1
R13JCTEN	8589	11.59	11.23	0.0	69.6
S1JCTEN	6582	13.24	11.13	0.0	55.9
S2JCTEN	5999	13.74	12.41	0.0	68.4
S3JCTEN	5101	13.22	12.47	0.0	70.5
S4JCTEN	6086	12.97	12.23	0.0	70.5
S5JCTEN	5283	12.67	12.30	0.0	73.0
S6JCTEN	4420	12.68	12.65	0.0	75.0
S7JCTEN	5674	12.08	11.78	0.0	67.5
S8JCTEN	4788	12.13	11.98	0.0	69.6
S9JCTEN	4182	12.41	12.09	0.0	69.2
S10JCTEN	6025	12.38	11.36	0.0	71.0

S11JCTEN	5412	12.32	11.52	0.0	71.8
S12JCTEN	4591	12.33	11.64	0.0	68.0
S13JCTEN	5486	11.79	11.29	0.0	69.6

How Constructed

RwJCTEN is the Respondent's years of tenure on the current job in Wave 'w.'

Current work status, reported job changes, current job start year and current interview date are used to derive the current job tenure for each interview. It is calculated in years, rounded to the nearest tenth, using current interview date minus current job start date. If the Respondent continues to hold the same job, the job start date is taken from the interview when the job was first reported, except when a self-employed Respondent gives a job start date that falls between interviews. In this case the given job start date is used.

Job start dates are reported as month and year or just year. If the month is missing or not asked, July is used as the month. If any reported job year is before the Respondent turned age 15, then it is set to the year the Respondent turned 15 instead.

If a Respondent reports a job start date that is before the prior interview, then the job start date is adjusted to be between the prior and current interviews. If the end date of a prior job is given, then it is set to the midpoint between the end of the prior job and the current interview. If the Respondent says s/he still has the ending job, then the start date is set to the previously given job start date. Otherwise it is set to the midpoint between the two interviews. This most frequently happens with the self-employed.

If the Respondent is not working, this variable is set to a .W missing code.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJCTEN.

Cross Wave Differences in Original HRS Data

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of her/his current job if s/he is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date of the new one.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

HRS 1992:

V12717	F2:ANY WRK FOR PAY :IND
V12718	F3:WHO WORK FOR :IND
V2717	F2:ANY WRK FOR PAY :IMP
V2718	F3:WHO WORK FOR :IMP
V2816	F23:YR STARTED FOR EMPLR
V2834	F33:YR STRT THIS BUSINES

AHEAD 1993:

B1174	G1. WORKING CURRENTLY?
B1175	G1a. WORK LAST 2 YRS?
B1178	G2. CURRENTLY SELF EMPLOYED
B1182	G4. CURRENT WORK START YEAR
B1183	G4. CURRENT WORK START YEARS AGO
B1184	G4. CURRENT WORK START AT AGE

B1232	G20. EVER WORK 10/+ YRS?
HRS 1994:	
W3316	FA2.WORKING FOR PAY
W3317	FA3.WORK FOR SOMEONE ELS
W3458	FA19.STILL WORKING FOR W
W3662	FA59.START WORK FOR EMPL
W3663	FA59.START WORK FOR EMPL
W4327	FB22.STARTED S-E WORK-MO
W4328	FB22a.STARTED S-E WORK-Y
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2651	GA2.WORKING ANY CURRENT
D2653	GA3. SELF/OTHER EMPLOYED
D2747	GA19. STILL WORKING SAME EMPLOYER
D2831	GA43. MONTH STARTED CURRENT WORK
D2832	GA43A. YEAR STARTED CURRENT WORK
HRS 1996:	
E2627	G2.WORKING FOR PAY
E2628	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
E2654	G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
E2655	G19B.STILL WORKING PREV EMPLOYER
E2825	G63.START WORK FOR EMPLOYER-MONTH
E2826	G63A.START WORK FOR EMPLOYER-YEAR
HRS 1998:	
F3131	G2.WORKING FOR PAY
F3132	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
F3158	G19A.STILL WORKING FOR PREV WAVE EMPLOYE
F3166	G19B.STILL WORKING PREV EMPLOYER
F3348	G63.START WORK FOR EMPLOYER-MONTH
F3349	G63A.START WORK FOR EMPLOYER-YEAR
HRS 2000:	
G3381	G2.WORKING FOR PAY
G3382	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
G3416	G19B.STILL WORKING PREV EMPLOYER
G3607	G63.START WORK FOR EMPLOYER-MONTH
G3608	G63A.START WORK FOR EMPLOYER-YEAR
HRS 2002-2016:	
xJ020	WORKING FOR PAY
xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
xJ045	STILL WORKING PREV EMPLOYER
xJ248	MO-START WORK FOR CURRENT EMPLOYER
xJ249	YR-START WORK FOR CURRENT EMPLOYER

Occupation code for current job
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Wave	Variable	Label	Type
1	R1JCOCC	R1JCOCC:W1 Current Job Occup/1980 Census	Categ
2	R2JCOCC	R2JCOCC:W2 Current Job Occup/1980 Census	Categ
3	R3JCOCC	R3JCOCC:W3 Current Job Occup/1980 Census	Categ
4	R4JCOCC	R4JCOCC:W4 Current Job Occup/1980 Census	Categ
5	R5JCOCC	R5JCOCC:W5 Current Job Occup/1980 Census	Categ
6	R6JCOCC	R6JCOCC:W6 Current Job Occup/1980 Census	Categ
7	R7JCOCC	R7JCOCC:W7 Current Job Occup/1980 Census	Categ
8	R8JCOCC	R8JCOCC:W8 Current Job Occup/1980 Census	Categ
9	R9JCOCC	R9JCOCC:W9 Current Job Occup/1980 Census	Categ
10	R10JCOCC	R10JCOCC:W10 Current Job Occup/1980 Census	Categ
11	R11JCOCC	R11JCOCC:W11 Current Job Occup/1980 Census	Categ
12	R12JCOCC	R12JCOCC:W12 Current Job Occup/1980 Census	Categ
13	R13JCOCC	R13JCOCC:W13 Current Job Occup/1980 Census	Categ
1	S1JCOCC	S1JCOCC:W1 Current Job Occup/1980 Census	Categ
2	S2JCOCC	S2JCOCC:W2 Current Job Occup/1980 Census	Categ
3	S3JCOCC	S3JCOCC:W3 Current Job Occup/1980 Census	Categ
4	S4JCOCC	S4JCOCC:W4 Current Job Occup/1980 Census	Categ
5	S5JCOCC	S5JCOCC:W5 Current Job Occup/1980 Census	Categ
6	S6JCOCC	S6JCOCC:W6 Current Job Occup/1980 Census	Categ
7	S7JCOCC	S7JCOCC:W7 Current Job Occup/1980 Census	Categ
8	S8JCOCC	S8JCOCC:W8 Current Job Occup/1980 Census	Categ
9	S9JCOCC	S9JCOCC:W9 Current Job Occup/1980 Census	Categ
10	S10JCOCC	S10JCOCC:W10 Current Job Occup/1980 Census	Categ
11	S11JCOCC	S11JCOCC:W11 Current Job Occup/1980 Census	Categ
12	S12JCOCC	S12JCOCC:W12 Current Job Occup/1980 Census	Categ
13	S13JCOCC	S13JCOCC:W13 Current Job Occup/1980 Census	Categ
2	R2JCOCCA	R2JCOCCA:W2 Cur Job Occup/Ahead coding	Categ
3	R3JCOCCA	R3JCOCCA:W3 Cur Job Occup/Ahead coding	Categ
4	R4JCOCCA	R4JCOCCA:W4 Cur Job Occup/Ahead coding	Categ
5	R5JCOCCA	R5JCOCCA:W5 Cur Job Occup/Ahead coding	Categ
6	R6JCOCCA	R6JCOCCA:W6 Cur Job Occup/Ahead coding	Categ
7	R7JCOCCA	R7JCOCCA:W7 Cur Job Occup/Ahead coding	Categ
8	R8JCOCCA	R8JCOCCA:W8 Cur Job Occup/Ahead coding	Categ
9	R9JCOCCA	R9JCOCCA:W9 Cur Job Occup/Ahead coding	Categ
10	R10JCOCCA	R10JCOCCA:W10 Cur Job Occup/Ahead coding	Categ
11	R11JCOCCA	R11JCOCCA:W11 Cur Job Occup/Ahead coding	Categ
12	R12JCOCCA	R12JCOCCA:W12 Cur Job Occup/Ahead coding	Categ
13	R13JCOCCA	R13JCOCCA:W13 Cur Job Occup/Ahead coding	Categ
2	S2JCOCCA	S2JCOCCA:W2 Cur Job Occup/Ahead coding	Categ
3	S3JCOCCA	S3JCOCCA:W3 Cur Job Occup/Ahead coding	Categ
4	S4JCOCCA	S4JCOCCA:W4 Cur Job Occup/Ahead coding	Categ
5	S5JCOCCA	S5JCOCCA:W5 Cur Job Occup/Ahead coding	Categ
6	S6JCOCCA	S6JCOCCA:W6 Cur Job Occup/Ahead coding	Categ
7	S7JCOCCA	S7JCOCCA:W7 Cur Job Occup/Ahead coding	Categ
8	S8JCOCCA	S8JCOCCA:W8 Cur Job Occup/Ahead coding	Categ
9	S9JCOCCA	S9JCOCCA:W9 Cur Job Occup/Ahead coding	Categ
10	S10JCOCCA	S10JCOCCA:W10 Cur Job Occup/Ahead coding	Categ
11	S11JCOCCA	S11JCOCCA:W11 Cur Job Occup/Ahead coding	Categ
12	S12JCOCCA	S12JCOCCA:W12 Cur Job Occup/Ahead coding	Categ
13	S13JCOCCA	S13JCOCCA:W13 Cur Job Occup/Ahead coding	Categ
7	R7JCOCCB	R7JCOCCB:W7 Cur Job Occup/2000 Census	Categ
8	R8JCOCCB	R8JCOCCB:W8 Cur Job Occup/2000 Census	Categ
9	R9JCOCCB	R9JCOCCB:W9 Cur Job Occup/2000 Census	Categ
10	R10JCOCCB	R10JCOCCB:W10 Cur Job Occup/2000 Census	Categ
11	R11JCOCCB	R11JCOCCB:W11 Cur Job Occup/2000 Census	Categ
12	R12JCOCCB	R12JCOCCB:W12 Cur Job Occup/2000 Census	Categ
13	R13JCOCCB	R13JCOCCB:W13 Cur Job Occup/2000 Census	Categ
7	S7JCOCCB	S7JCOCCB:W7 Cur Job Occup/2000 Census	Categ
8	S8JCOCCB	S8JCOCCB:W8 Cur Job Occup/2000 Census	Categ
9	S9JCOCCB	S9JCOCCB:W9 Cur Job Occup/2000 Census	Categ
10	S10JCOCCB	S10JCOCCB:W10 Cur Job Occup/2000 Census	Categ

11	S11JCOCCB	S11JCOCCB:W11	Cur	Job	Occup/2000	Census	Categ
12	S12JCOCCB	S12JCOCCB:W12	Cur	Job	Occup/2000	Census	Categ
13	S13JCOCCB	S13JCOCCB:W13	Cur	Job	Occup/2000	Census	Categ
10	R10JCOCCC	R10JCOCCC:W10	Cur	Job	Occup/2010	Census	Categ
11	R11JCOCCC	R11JCOCCC:W11	Cur	Job	Occup/2010	Census	Categ
12	R12JCOCCC	R12JCOCCC:W12	Cur	Job	Occup/2010	Census	Categ
13	R13JCOCCC	R13JCOCCC:W13	Cur	Job	Occup/2010	Census	Categ
10	S10JCOCCC	S10JCOCCC:W10	Cur	Job	Occup/2010	Census	Categ
11	S11JCOCCC	S11JCOCCC:W11	Cur	Job	Occup/2010	Census	Categ
12	S12JCOCCC	S12JCOCCC:W12	Cur	Job	Occup/2010	Census	Categ
13	S13JCOCCC	S13JCOCCC:W13	Cur	Job	Occup/2010	Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCOCC	8360	6.28	4.87	1.0	17.0
R2JCOCC	6998	6.20	4.84	1.0	17.0
R3JCOCC	6138	6.15	4.81	1.0	17.0
R4JCOCC	8072	6.03	4.79	1.0	17.0
R5JCOCC	7008	5.93	4.76	1.0	17.0
R6JCOCC	6047	5.94	4.79	1.0	17.0
R7JCOCC	7788	5.84	4.71	1.0	17.0
R8JCOCC	4794	5.64	4.66	1.0	17.0
R9JCOCC	3785	5.60	4.65	1.0	16.0
R10JCOCC	2807	5.46	4.54	1.0	17.0
R11JCOCC	2177	5.28	4.48	1.0	17.0
R12JCOCC	1625	5.26	4.51	1.0	16.0
R13JCOCC	1100	5.19	4.35	1.0	16.0
S1JCOCC	6588	6.28	4.93	1.0	17.0
S2JCOCC	5468	6.23	4.91	1.0	17.0
S3JCOCC	4725	6.22	4.90	1.0	17.0
S4JCOCC	6013	6.07	4.86	1.0	17.0
S5JCOCC	5248	5.96	4.85	1.0	17.0
S6JCOCC	4496	5.95	4.88	1.0	17.0
S7JCOCC	5724	5.86	4.81	1.0	17.0
S8JCOCC	3545	5.68	4.75	1.0	17.0
S9JCOCC	2765	5.55	4.69	1.0	16.0
S10JCOCC	2012	5.40	4.57	1.0	17.0
S11JCOCC	1530	5.24	4.53	1.0	17.0
S12JCOCC	1122	5.14	4.54	1.0	16.0
S13JCOCC	723	5.16	4.37	1.0	16.0
R2JCOCCA	768	4.38	2.65	1.0	9.0
R3JCOCCA	627	4.39	2.69	1.0	9.0
R4JCOCCA	472	4.59	2.66	1.0	9.0
R5JCOCCA	256	4.34	2.63	1.0	9.0
R6JCOCCA	132	4.40	2.59	1.0	9.0
R7JCOCCA	77	4.13	2.61	1.0	9.0
R8JCOCCA	42	4.40	2.76	1.0	9.0
R9JCOCCA	19	4.16	2.77	1.0	9.0
R10JCOCCA	9	3.78	2.91	1.0	9.0
R11JCOCCA	5	4.00	2.92	2.0	9.0
R12JCOCCA	1	3.00	.	3.0	3.0
S2JCOCCA	520	4.10	2.58	1.0	9.0

S3JCOCCA	408	4.08	2.62	1.0	9.0
S4JCOCCA	293	4.39	2.62	1.0	9.0
S5JCOCCA	152	4.21	2.53	1.0	9.0
S6JCOCCA	76	4.42	2.60	1.0	9.0
S7JCOCCA	44	4.43	2.82	1.0	9.0
S8JCOCCA	20	4.40	3.12	1.0	9.0
S9JCOCCA	10	3.90	3.21	1.0	9.0
S10JCOCCA	4	3.25	3.86	1.0	9.0
S11JCOCCA	2	5.50	4.95	2.0	9.0
R7JCOCCB	5109	13.54	7.15	1.0	25.0
R8JCOCCB	6551	13.63	7.06	1.0	25.0
R9JCOCCB	5847	13.62	6.98	1.0	25.0
R10JCOCCB	8796	13.81	6.90	1.0	25.0
R11JCOCCB	5620	13.65	6.90	1.0	25.0
R12JCOCCB	3870	13.60	6.91	1.0	25.0
R13JCOCCB	2525	13.59	6.86	1.0	25.0
S7JCOCCB	3779	13.43	7.35	1.0	25.0
S8JCOCCB	4818	13.52	7.29	1.0	25.0
S9JCOCCB	4224	13.43	7.24	1.0	25.0
S10JCOCCB	6067	13.70	7.13	1.0	25.0
S11JCOCCB	3925	13.49	7.13	1.0	25.0
S12JCOCCB	2647	13.40	7.12	1.0	25.0
S13JCOCCB	1698	13.37	7.12	1.0	24.0
R10JCOCCC	6231	12.79	6.55	1.0	23.0
R11JCOCCC	6166	12.70	6.57	1.0	23.0
R12JCOCCC	5681	12.76	6.51	1.0	23.0
R13JCOCCC	8642	12.80	6.60	1.0	23.0
S10JCOCCC	4258	12.71	6.74	1.0	23.0
S11JCOCCC	4251	12.55	6.80	1.0	23.0
S12JCOCCC	3844	12.63	6.75	1.0	23.0
S13JCOCCC	5523	12.75	6.82	1.0	23.0

Categorical Variable Codes

RwJCOCC: Current Job Occup/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code				171	112		24	1803	2062	6002
.M=Oth missing	33	67	82	198	120	36	52	58	49	255
.Q=Not asked this wv		788	650							
.W=Skip,not working	4259	11789	11121	12943	12338	12082	12265	11814	11321	12970
01.Managerial specialty ope	1238	1063	928	1173	1057	907	1102	694	563	415
02.Prof specialty opr/tech	1305	1109	997	1444	1275	1111	1511	1002	805	629
03.Sales	848	709	644	886	737	674	879	541	426	335
04.Clerical/admin supp	1340	1095	949	1242	1134	914	1232	791	610	422
05.Svc:prv hhld/clean/bldg	130	110	93	129	94	79	99	49	35	25
06.Svc:protection	138	115	104	125	120	111	147	86	70	45
07.Svc:food prep	252	220	184	244	197	176	230	131	98	76
08.Health svc	197	173	150	200	174	161	195	108	82	60
09.Personal svc	569	525	448	542	490	428	564	313	249	213
10.Farming/forestry/fishing	265	230	193	264	213	213	232	138	113	96
11.Mechanics/repair	305	225	216	267	212	155	224	139	107	76
12.Constr trade/extractors	287	221	218	265	226	169	259	151	132	87
13.Precision production	284	234	195	232	191	156	184	114	86	59
14.Operators: machine	565	440	360	444	338	284	307	180	122	79
15.Operators: transport, et	420	358	325	413	379	341	379	228	180	121
16.Operators: handlers, etc	210	168	132	198	169	163	237	127	107	68
17.Member of Armed Forces	7	3	2	4	2	5	7	2		1

Value	w11	w12	w13
.B=Other Census code	5695	5179	7546
.M=Oth missing	137	118	234
.Q=Not asked this wv			
.W=Skip,not working	12545	11825	12032
01.Managerial specialty ope	327	240	154
02.Prof specialty opr/tech	522	421	285
03.Sales	281	205	145
04.Clerical/admin supp	311	216	142
05.Svc:prv hhld/clean/bldg	16	16	9
06.Svc:protection	27	13	13
07.Svc:food prep	59	38	35
08.Health svc	45	31	18
09.Personal svc	164	121	87
10.Farming/forestry/fishing	69	44	39
11.Mechanics/repair	56	52	36
12.Constr trade/extractors	62	45	31
13.Precision production	40	35	24
14.Operators: machine	55	43	27
15.Operators: transport, et	91	70	36
16.Operators: handlers, etc	51	35	19
17.Member of Armed Forces	1		

SwJCOCC: Current Job Occup/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code				110	69		20	1300	1459	4062
.M=Oth missing	19	42	49	125	72	19	26	31	29	153
.Q=Not asked this wv		522	415							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.W=Skip,not working	3293	7058	6728	7732	7341	7124	7202	6859	6393	7286
01.Managerial specialty ope	1019	863	743	914	827	712	850	547	432	306
02.Prof specialty opr/tech	1019	866	757	1078	963	846	1143	747	599	469
03.Sales	711	588	518	667	567	515	667	404	329	246
04.Clerical/admin supp	1026	821	697	896	816	644	848	550	426	297
05.Svc:prv hhld/clean/bldg	82	61	48	62	50	42	51	25	19	14
06.Svc:protection	114	101	86	103	100	86	113	71	52	38
07.Svc:food prep	166	142	118	150	108	94	132	73	56	41
08.Health svc	112	90	82	116	101	92	112	61	45	29
09.Personal svc	415	388	322	374	326	291	364	205	155	124
10.Farming/forestry/fishing	225	196	173	223	181	173	192	116	95	78
11.Mechanics/repair	253	189	187	222	178	131	188	121	91	66
12.Constr trade/extractors	254	193	183	226	190	135	209	121	106	68
13.Precision production	237	200	164	186	150	120	141	94	69	44
14.Operators: machine	435	330	269	324	261	211	223	130	84	59
15.Operators: transport, et	358	300	272	323	302	274	309	183	129	89
16.Operators: handlers, etc	156	137	104	145	126	127	176	95	78	43
17.Member of Armed Forces	6	3	2	4	2	3	6	2		1

Value	w11	w12	w13
.B=Other Census code	3916	3495	4804
.M=Oth missing	67	63	100
.Q=Not asked this wv			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6975	6332	6152
01.Managerial specialty ope	232	180	99
02.Prof specialty opr/tech	381	293	198
03.Sales	203	154	98
04.Clerical/admin supp	217	143	90
05.Svc:prv hhld/clean/bldg	9	9	5
06.Svc:protection	21	10	7
07.Svc:food prep	29	20	16
08.Health svc	23	16	10
09.Personal svc	92	59	49
10.Farming/forestry/fishing	53	38	32
11.Mechanics/repair	47	38	26
12.Constr trade/extractors	51	37	25
13.Precision production	33	24	17
14.Operators: machine	40	27	18
15.Operators: transport, et	67	54	22
16.Operators: handlers, etc	31	20	11
17.Member of Armed Forces	1		

RwJCOCCA: Cur Job Occup/Ahead coding

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		24	24	19						
.Q=Not asked this wv		11420	10964	15433	14690	14148	16847	15841	15130	20545
.W=Skip,not working		7430	6376	5460	4632	3885	3205	2586	2068	1480
01.Professional/technical w		134	106	80	46	22	16	8	3	2
02.Managers/officials/propr		106	97	40	31	13	9	4	4	2
03.Clerical/kindred workers		105	88	72	37	19	9	6	3	1
04.Sales workers		103	78	81	45	28	17	9	3	2
05.Craftsmen/foremen/kindre		62	42	21	11	7	4	1		
06.Operatives/kindred worke		42	36	32	19	11	6	3	1	
07.Laborers/farm foremen		21	23	21	5	1				
08.Svc workers		172	123	102	51	23	11	7	4	1
09.Farmers and farm manager		23	34	23	11	8	5	4	1	1

Value	w11	w12	w13
.M=Oth missing			
.Q=Not asked this wv	19421	17919	20413
.W=Skip,not working	1128	827	499
01.Professional/technical w			
02.Managers/officials/propr	2		
03.Clerical/kindred workers	1	1	
04.Sales workers	1		
05.Craftsmen/foremen/kindre			
06.Operatives/kindred worke			
07.Laborers/farm foremen			
08.Svc workers			
09.Farmers and farm manager	1		

SwJCOCCA: Cur Job Occup/Ahead coding

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing		6	8	5						
.Q=Not asked this wv		9125	8630	11180	10636	10065	11802	10910	10060	13170
.U=Unmarried		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		200	95	536	311	220	380	317	365	722
.W=Skip,not working		3823	3193	2502	1942	1498	1126	805	576	339
01.Professional/technical w		105	81	57	26	14	10	6	3	2
02.Managers/officials/propr		81	71	26	21	6	4	1	2	1
03.Clerical/kindred workers		64	49	39	21	10	4	2	1	
04.Sales workers		71	54	51	27	15	7	3	1	
05.Craftsmen/foremen/kindre		44	34	20	10	6	4	1		
06.Operatives/kindred worke		36	26	24	14	7	4	1		
07.Laborers/farm foremen		17	16	15	5	1				
08.Svc workers		84	52	43	20	12	6	3	2	
09.Farmers and farm manager		18	25	18	8	5	5	3	1	1

Value	w11	w12	w13
.M=Oth missing			
.Q=Not asked this wv	12270	10883	11727
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	216	129	52
01.Professional/technical w			
02.Managers/officials/propr	1		
03.Clerical/kindred workers			
04.Sales workers			
05.Craftsmen/foremen/kindre			
06.Operatives/kindred worke			

07.Laborers/farm foremen	|	
08.Svc workers	|	
09.Farmers and farm manager	|	1

RwJCOCB: Cur Job Occup/2000 Census

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code	|										
.M=Oth missing	|							52	58	49	255
.P=From previous Census cod	|							2703	46		13
.W=Skip,not working	|							12265	11814	11321	12970
01.Management Occupations	|							635	748	650	858
02.Business Oper-ns Special	|							96	130	105	188
03.Financial Specialists	|							112	131	117	154
04.Computer+Math Occs	|							68	83	72	142
05.Architecture+Engineering	|							71	93	94	128
06.Life/Physical/SocialSci	|							58	75	59	77
07.Community+Social Svcs Oc	|							120	146	120	204
08.Legal Occups	|							70	88	82	109
09.Education/Training/Libra	|							262	440	430	617
10.Arts/Design/Entertnmt Oc	|							123	116	95	146
11.Hlthcare Practition/Tech	|							205	290	257	409
12.Healthcare Support Occs	|							142	166	168	285
13.Protective Service Occs	|							90	121	120	174
14.Food Prep+Serving Occs	|							131	220	211	303
15.Blding/Grounds/Clean/Mai	|							302	363	332	592
16.Personal Care+Service Oc	|							237	279	259	471
17.Sales Occups	|							632	712	635	841
18.Office+Admin Support Occ	|							696	1054	908	1297
19.Farm/Fish/Forestry Occup	|							34	43	39	53
20.Construction Trades	|							272	281	248	381
21.Extraction Workers	|							3	4	2	3
22.Install/Maint/Repair Wor	|							163	173	161	289
23.Production Occups	|							331	407	333	519
24.Transport/Material Movin	|							251	386	345	547
25.Military Specific Occups	|							5	2	5	9

Value	|	w11	w12	w13
.B=Other Census code	|	2236	2800	5955
.M=Oth missing	|	137	118	234
.P=From previous Census cod	|	16	134	166
.W=Skip,not working	|	12545	11825	12032
01.Management Occupations	|	554	372	246
02.Business Oper-ns Special	|	119	77	38
03.Financial Specialists	|	109	87	52
04.Computer+Math Occs	|	90	64	43
05.Architecture+Engineering	|	84	59	45
06.Life/Physical/SocialSci	|	48	35	23
07.Community+Social Svcs Oc	|	132	90	58
08.Legal Occups	|	87	69	48
09.Education/Training/Libra	|	422	297	198
10.Arts/Design/Entertnmt Oc	|	89	70	52
11.Hlthcare Practition/Tech	|	301	228	148
12.Healthcare Support Occs	|	179	120	72
13.Protective Service Occs	|	101	56	40
14.Food Prep+Serving Occs	|	174	105	73
15.Blding/Grounds/Clean/Mai	|	375	254	163
16.Personal Care+Service Oc	|	268	193	125
17.Sales Occups	|	552	361	252
18.Office+Admin Support Occ	|	841	565	359
19.Farm/Fish/Forestry Occup	|	26	17	9
20.Construction Trades	|	229	164	102
21.Extraction Workers	|	1		
22.Install/Maint/Repair Wor	|	182	141	94
23.Production Occups	|	321	216	147

24.Transport/Material Movin	|	333	227	137
25.Military Specific Occups	|	3	3	1

SwJCOCB: Cur Job Occup/2000 Census

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code	|										
.M=Oth missing	|							26	31	29	153
.P=From previous Census cod	|							1965	27		7
.U=Unmarried	|							6777	6417	6206	7799
.V=Spouse NR	|							380	317	365	722
.W=Skip,not working	|							7202	6859	6393	7286
01.Management Occupations	|							507	612	528	665
02.Business Oper-ns Special	|							73	94	84	130
03.Financial Specialists	|							90	99	89	110
04.Computer+Math Occs	|							55	68	58	95
05.Architecture+Engineering	|							61	82	84	107
06.Life/Physical/SocialSci	|							46	60	50	64
07.Community+Social Svcs Oc	|							83	104	87	134
08.Legal Occups	|							54	59	55	75
09.Education/Training/Libra	|							186	316	295	434
10.Arts/Design/Entertnmt Oc	|							97	87	74	107
11.Hlthcare Practition/Tech	|							147	212	183	270
12.Healthcare Support Occs	|							83	100	93	154
13.Protective Service Occs	|							71	98	81	114
14.Food Prep+Serving Occs	|							86	134	125	179
15.Blding/Grounds/Clean/Mai	|							201	229	215	376
16.Personal Care+Service Oc	|							148	174	164	264
17.Sales Occups	|							482	532	470	608
18.Office+Admin Support Occ	|							479	728	621	855
19.Farm/Fish/Forestry Occup	|							25	31	29	41
20.Construction Trades	|							212	228	191	288
21.Extraction Workers	|							3	4	2	3
22.Install/Maint/Repair Wor	|							137	146	130	214
23.Production Occups	|							245	306	243	371
24.Transport/Material Movin	|							203	313	268	404
25.Military Specific Occups	|							5	2	5	5

Value	|	w11	w12	w13
.B=Other Census code	|	1511	1883	3731
.M=Oth missing	|	67	63	100
.P=From previous Census cod	|	10	87	98
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
.W=Skip,not working	|	6975	6332	6152
01.Management Occupations	|	442	286	192
02.Business Oper-ns Special	|	79	54	26
03.Financial Specialists	|	77	64	33
04.Computer+Math Occs	|	65	43	32
05.Architecture+Engineering	|	67	49	36
06.Life/Physical/SocialSci	|	43	29	17
07.Community+Social Svcs Oc	|	96	64	41
08.Legal Occups	|	59	47	34
09.Education/Training/Libra	|	304	205	136
10.Arts/Design/Entertnmt Oc	|	65	50	36
11.Hlthcare Practition/Tech	|	194	154	97
12.Healthcare Support Occs	|	101	63	37
13.Protective Service Occs	|	71	36	22
14.Food Prep+Serving Occs	|	112	77	50
15.Blding/Grounds/Clean/Mai	|	244	165	103
16.Personal Care+Service Oc	|	153	99	64
17.Sales Occups	|	391	261	175
18.Office+Admin Support Occ	|	546	349	216
19.Farm/Fish/Forestry Occup	|	14	10	4
20.Construction Trades	|	175	119	71
21.Extraction Workers	|	1		

22.Install/Maint/Repair Wor	|	140	106	75
23.Production Occups	|	234	150	101
24.Transport/Material Movin	|	251	166	100
25.Military Specific Occups	|	1	1	

RwJCOCCC: Cur Job Occup/2010 Census

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|										255
.P=From previous Census cod	|										2578
.W=Skip,not working	|										12970
01.Management Occs	|										627
02.Business+Financial Oper-	|										260
03.Computer+Mathematical Oc	|										109
04.Architecture+Engineering	|										92
05.Life/Physical/SocialSci	|										55
06.Community+Social Service	|										154
07.Legal Occs	|										82
08.Education/Training/Libra	|										352
09.Arts/Design/Entertainmen	|										124
10.Healthcare Practitioners	|										252
11.Healthcare Support Occs	|										196
12.Protective Service Occs	|										116
13.Food Prep+Serving Relate	|										201
14.Building/Grounds Cleanin	|										442
15.Personal Care+Service Oc	|										387
16.Sales+Related Occs	|										631
17.Office+Administrative Su	|										811
18.Farming/Fishing/Forestry	|										35
19.Construction+Extraction	|										328
20.Installation/Maintenance	|										213
21.Production Occs	|										375
22.Transportation+Material	|										381
23.Military Specific Occs	|										8

Value	|	w11	w12	w13
.M=Oth missing	|	137	118	234
.P=From previous Census cod	|	1706	1123	4
.W=Skip,not working	|	12545	11825	12032
01.Management Occs	|	636	548	800
02.Business+Financial Oper-	|	272	257	403
03.Computer+Mathematical Oc	|	106	100	173
04.Architecture+Engineering	|	84	75	126
05.Life/Physical/SocialSci	|	44	48	76
06.Community+Social Service	|	152	134	224
07.Legal Occs	|	80	73	101
08.Education/Training/Libra	|	362	335	569
09.Arts/Design/Entertainmen	|	126	115	165
10.Healthcare Practitioners	|	273	261	389
11.Healthcare Support Occs	|	180	169	229
12.Protective Service Occs	|	118	103	151
13.Food Prep+Serving Relate	|	208	196	315
14.Building/Grounds Cleanin	|	438	419	583
15.Personal Care+Service Oc	|	366	353	500
16.Sales+Related Occs	|	608	549	763
17.Office+Administrative Su	|	827	761	1134
18.Farming/Fishing/Forestry	|	33	31	47
19.Construction+Extraction	|	313	289	456
20.Installation/Maintenance	|	182	172	269
21.Production Occs	|	365	315	534
22.Transportation+Material	|	388	373	627
23.Military Specific Occs	|	5	5	8

SwJCOCCC: Cur Job Occup/2010 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										153
.P=From previous Census cod										1816
.U=Unmarried										7799
.V=Spouse NR										722
.W=Skip,not working										7286
01.Management Occs										482
02.Business+Financial Oper-										177
03.Computer+Mathematical Oc										69
04.Architecture+Engineering										74
05.Life/Physical/SocialSci										49
06.Community+Social Service										98
07.Legal Occs										56
08.Education/Training/Libra										248
09.Arts/Design/Entertainmen										90
10.Healthcare Practitioners										152
11.Healthcare Support Occs										102
12.Protective Service Occs										68
13.Food Prep+Serving Relate										123
14.Building/Grounds Cleanin										291
15.Personal Care+Service Oc										210
16.Sales+Related Occs										462
17.Office+Administrative Su										531
18.Farming/Fishing/Forestry										29
19.Construction+Extraction										247
20.Installation/Maintenance										155
21.Production Occs										265
22.Transportation+Material										276
23.Military Specific Occs										4

Value	w11	w12	w13
.M=Oth missing	67	63	100
.P=From previous Census cod	1195	773	4
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6975	6332	6152
01.Management Occs	507	427	571
02.Business+Financial Oper-	186	175	261
03.Computer+Mathematical Oc	71	72	121
04.Architecture+Engineering	69	64	91
05.Life/Physical/SocialSci	37	38	55
06.Community+Social Service	105	92	136
07.Legal Occs	57	46	65
08.Education/Training/Libra	262	232	374
09.Arts/Design/Entertainmen	82	68	94
10.Healthcare Practitioners	167	156	237
11.Healthcare Support Occs	100	92	129
12.Protective Service Occs	77	63	90
13.Food Prep+Serving Relate	130	123	170
14.Building/Grounds Cleanin	300	261	335
15.Personal Care+Service Oc	193	194	259
16.Sales+Related Occs	424	385	499
17.Office+Administrative Su	520	498	676
18.Farming/Fishing/Forestry	26	24	35
19.Construction+Extraction	239	212	318
20.Installation/Maintenance	143	132	202
21.Production Occs	267	217	362
22.Transportation+Material	286	270	439
23.Military Specific Occs	3	3	4

How Constructed

RwJCOCC is the Respondent's occupation on the current job in Wave "w" based on the 1980 Census codes. RwJCOCCA is also the Respondent's occupation on the current job, but with the codes used only for the AHEAD cohort in Waves 2A and 3A. RwJCOCCB is the Respondent's current job occupation based on the 2000 Census occupations used beginning in Wave 7. RwJCOCCC is the Respondent's current job occupation based on the 2010 Census occupations used beginning in Wave 10.

The current job occupation is usually taken from the interview when the job was first reported. It is carried forward if the Respondent continues working at the same job and position. If the Respondent is self-employed and reports a new occupation or the Respondent changes job title and reports a new occupation, then the current interview values are used.

The occupation codes differed between the AHEAD and other cohorts in Waves 2 and 3, and the AHEAD codes are not provided for other cohorts in any wave. For AHEAD Respondents both sets of codes are given in Wave 4 only. In each wave the unavailable set of codes is set to .Q for the appropriate variables, to indicate that the information is missing for this reason. Thus, in Waves 2A and 3A, RwJCOCC is set to .Q for the AHEAD cohort, and for Waves 2H, 3H, and 4 RwJCOCCA is set to .Q for other cohorts. From Wave 5 on the AHEAD codes are not provided for any cohort, so codes have been carried forward from an earlier wave.

From Wave 7 to Wave 10, HRS uses a different set of occupation codes, based on the 2000 Census. Before Wave 7 there are 17 possible occupation codes; from Wave 7-10, there are 25 codes. RwJCOCCB begins with R7JCOCCB and provides the new code set.

HRS provided the 1980 and 2000 Census codes for Wave 7 ONLY. R7JCOCC contains the 1980 Census codes and R7JCOCCB contains the 2000 Census codes. If the occupation question is not asked in Wave 7 because the Respondent has not changed jobs or job title, then R7JCOCCB is set to .P, for occupation taken from prior wave, and R7JCOCC provides the 1980 Census-based occupation. If R7JCOCCB is provided but the Respondent did not change jobs, s/he may have values for both R7JCOCC and R7JCOCCB. From Wave 8, if the Respondent starts a new job, then RwJCOCC is set to .B, to indicate that the occupation code is not from the 1980 Census codes.

Beginning in Wave 10, HRS uses another different set of occupation codes, based on the 2010 Census. Before Wave 10 there are 25 possible occupation codes; beginning in Wave 10, there are 23 codes. RwJCOCCC begins with R10JCOCCC and provides the new code set.

HRS provided the 2000 and 2010 Census codes for Wave 10 ONLY. R10JCOCCB contains the 2000 Census codes and R10JCOCCC contains the 2010 Census codes. If the occupation question is not asked in Wave 10 because the Respondent has not changed jobs or job title, then R10JCOCCC is set to .P, for occupation taken from prior wave, R10JCOCCB provides the 2000 Census-based occupation, and R10JCOCC provides the 1980 Census-based occupation. If R10JCOCCC is provided but the Respondent did not change jobs, s/he may have values for both R10JCOCCB and R10JCOCCC. From Wave 11, if the Respondent starts a new job, then RwJCOCC and RwJCOCCB are set to .B, to indicate that the occupation code is not from the 1980 and 2000 Census codes.

If the Respondent is not working, this variable is set to a .W missing code.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJCOCC, RwJCOCCA, RwJCOCCB and RwJCOCCC.

Cross Wave Differences in Original HRS Data

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of her/his current job if s/he is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places

the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Occupation codes for the AHEAD cohort (Waves 2A and 3A) differed from those collected from other cohorts. In Wave 4 only, both the AHEAD and HRS version of the codes are available for AHEAD Respondents, while only the HRS codes are available for other cohorts.

From Wave 1-8, the occupation codes are based on 1980 Census occupations, assigned to one of 17 categories. From Wave 7-10, they are based on 2000 Census occupations, assigned to one of 25 categories. Beginning in Wave 10, they are based on 2010 Census occupations, assigned to one of 23 categories. In Wave 7 only, we have both the 1980 and 2000 occupation codes stored in R7JCOCC and R7JCOCCB. In Wave 10 only, we have both the 2000 and 2010 occupation codes stored in R10JCOCCB and R10JCOCCC.

HRS Variables Used

HRS 1992:	
V2720	F5:OCC:1980 CENSUS OCC
V2821	F27:OCC:1980 CENSUS OCC
AHEAD 1993:	
OCCG3B	G3. CURRENT OCCUPATION
HRS 1994:	
W3609	FA41b/FA42.OCCUPATION
W4312B	FB16.OCCUPATION
AHEAD 1995:	
D2820M	GA39/42. OCCUPATION
D3254M	GB15/16. OCCUPATION
HRS 1996:	
E2666M	G24/G25. CURRENT OCC
E2732M	G41A/G42. OCC
HRS 1998:	
F3187AM	G25.CURRENT OCC - AHD MASKED
F3187HM	G25.CURRENT OCC - HRS MASKED
F3255AM	G42.OCC - AHD MASKED
F3255HM	G42.OCC - HRS MASKED
HRS 2000:	
G3436M	G25.CURRENT OCC - MASKED
G3505M	G42.OCC - MASKED
HRS 2004:	
JJ061M_00	CURRENT WORK DONE 2000 Census- MASKED
JJ168M_00	OCCUPATION 2000 Census- MASKED
HRS 2006:	
KJ062M	CURRENT WORK DONE - MASKED
HRS 2010:	
MJ062M_10	CURRENT WORK DONE 2010 Census- MASKED
MJ168M_10	TYPE WORK DONE 2010 Census- MASKED
HRS 2002-2004:	
xJ061M	CURRENT WORK DONE - MASKED
HRS 2002-2016:	
xJ168M	OCCUPATION - MASKED

Industry code for current job

Wave	Variable	Label	Type
1	R1JCIND	R1JCIND:W1 Current Job Industry/1980 Census	Categ
2	R2JCIND	R2JCIND:W2 Current Job Industry/1980 Census	Categ
3	R3JCIND	R3JCIND:W3 Current Job Industry/1980 Census	Categ
4	R4JCIND	R4JCIND:W4 Current Job Industry/1980 Census	Categ
5	R5JCIND	R5JCIND:W5 Current Job Industry/1980 Census	Categ
6	R6JCIND	R6JCIND:W6 Current Job Industry/1980 Census	Categ
7	R7JCIND	R7JCIND:W7 Current Job Industry/1980 Census	Categ
8	R8JCIND	R8JCIND:W8 Current Job Industry/1980 Census	Categ
9	R9JCIND	R9JCIND:W9 Current Job Industry/1980 Census	Categ
10	R10JCIND	R10JCIND:W10 Current Job Industry/1980 Census	Categ
11	R11JCIND	R11JCIND:W11 Current Job Industry/1980 Census	Categ
12	R12JCIND	R12JCIND:W12 Current Job Industry/1980 Census	Categ
13	R13JCIND	R13JCIND:W13 Current Job Industry/1980 Census	Categ
1	S1JCIND	S1JCIND:W1 Current Job Industry/1980 Census	Categ
2	S2JCIND	S2JCIND:W2 Current Job Industry/1980 Census	Categ
3	S3JCIND	S3JCIND:W3 Current Job Industry/1980 Census	Categ
4	S4JCIND	S4JCIND:W4 Current Job Industry/1980 Census	Categ
5	S5JCIND	S5JCIND:W5 Current Job Industry/1980 Census	Categ
6	S6JCIND	S6JCIND:W6 Current Job Industry/1980 Census	Categ
7	S7JCIND	S7JCIND:W7 Current Job Industry/1980 Census	Categ
8	S8JCIND	S8JCIND:W8 Current Job Industry/1980 Census	Categ
9	S9JCIND	S9JCIND:W9 Current Job Industry/1980 Census	Categ
10	S10JCIND	S10JCIND:W10 Current Job Industry/1980 Census	Categ
11	S11JCIND	S11JCIND:W11 Current Job Industry/1980 Census	Categ
12	S12JCIND	S12JCIND:W12 Current Job Industry/1980 Census	Categ
13	S13JCIND	S13JCIND:W13 Current Job Industry/1980 Census	Categ
7	R7JCINDB	R7JCINDB:W7 Cur Job Industry/2002 Census	Categ
8	R8JCINDB	R8JCINDB:W8 Cur Job Industry/2002 Census	Categ
9	R9JCINDB	R9JCINDB:W9 Cur Job Industry/2002 Census	Categ
10	R10JCINDB	R10JCINDB:W10 Cur Job Industry/2002 Census	Categ
11	R11JCINDB	R11JCINDB:W11 Cur Job Industry/2002 Census	Categ
12	R12JCINDB	R12JCINDB:W12 Cur Job Industry/2002 Census	Categ
13	R13JCINDB	R13JCINDB:W13 Cur Job Industry/2002 Census	Categ
7	S7JCINDB	S7JCINDB:W7 Cur Job Industry/2002 Census	Categ
8	S8JCINDB	S8JCINDB:W8 Cur Job Industry/2002 Census	Categ
9	S9JCINDB	S9JCINDB:W9 Cur Job Industry/2002 Census	Categ
10	S10JCINDB	S10JCINDB:W10 Cur Job Industry/2002 Census	Categ
11	S11JCINDB	S11JCINDB:W11 Cur Job Industry/2002 Census	Categ
12	S12JCINDB	S12JCINDB:W12 Cur Job Industry/2002 Census	Categ
13	S13JCINDB	S13JCINDB:W13 Cur Job Industry/2002 Census	Categ
10	R10JCINDC	R10JCINDC:W10 Cur Job Industry/2007 Census	Categ
11	R11JCINDC	R11JCINDC:W11 Cur Job Industry/2007 Census	Categ
12	R12JCINDC	R12JCINDC:W12 Cur Job Industry/2007 Census	Categ
13	R13JCINDC	R13JCINDC:W13 Cur Job Industry/2007 Census	Categ
10	S10JCINDC	S10JCINDC:W10 Cur Job Industry/2007 Census	Categ
11	S11JCINDC	S11JCINDC:W11 Cur Job Industry/2007 Census	Categ
12	S12JCINDC	S12JCINDC:W12 Cur Job Industry/2007 Census	Categ
13	S13JCINDC	S13JCINDC:W13 Cur Job Industry/2007 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JCIND	8327	7.73	3.76	1.0	13.0
R2JCIND	6995	7.83	3.74	1.0	13.0
R3JCIND	6122	7.89	3.70	1.0	13.0

R4JCIND	8019	7.98	3.66	1.0	13.0
R5JCIND	6975	8.13	3.65	1.0	13.0
R6JCIND	6028	8.19	3.64	1.0	13.0
R7JCIND	7781	8.24	3.65	1.0	13.0
R8JCIND	5021	8.32	3.66	1.0	13.0
R9JCIND	4229	8.34	3.66	1.0	13.0
R10JCIND	3251	8.46	3.64	1.0	13.0
R11JCIND	2643	8.53	3.59	1.0	13.0
R12JCIND	2037	8.53	3.61	1.0	13.0
R13JCIND	1433	8.47	3.59	1.0	13.0
S1JCIND	6573	7.56	3.77	1.0	13.0
S2JCIND	5470	7.64	3.76	1.0	13.0
S3JCIND	4725	7.68	3.73	1.0	13.0
S4JCIND	5980	7.82	3.70	1.0	13.0
S5JCIND	5227	7.97	3.70	1.0	13.0
S6JCIND	4482	8.02	3.69	1.0	13.0
S7JCIND	5720	8.05	3.70	1.0	13.0
S8JCIND	3703	8.15	3.70	1.0	13.0
S9JCIND	3079	8.14	3.69	1.0	13.0
S10JCIND	2341	8.27	3.68	1.0	13.0
S11JCIND	1870	8.35	3.64	1.0	13.0
S12JCIND	1417	8.27	3.66	1.0	13.0
S13JCIND	954	8.24	3.64	1.0	13.0
R7JCINDB	4811	10.78	5.12	1.0	19.0
R8JCINDB	4604	10.93	5.05	1.0	19.0
R9JCINDB	5833	11.16	4.96	1.0	19.0
R10JCINDB	8751	11.29	4.95	1.0	19.0
R11JCINDB	6005	11.35	4.90	1.0	19.0
R12JCINDB	4397	11.31	4.88	1.0	19.0
R13JCINDB	3018	11.27	4.86	1.0	19.0
S7JCINDB	3567	10.47	5.14	1.0	19.0
S8JCINDB	3426	10.61	5.07	1.0	19.0
S9JCINDB	4216	10.84	4.98	1.0	19.0
S10JCINDB	6037	10.92	4.96	1.0	19.0
S11JCINDB	4187	11.06	4.92	1.0	19.0
S12JCINDB	3017	11.01	4.89	1.0	19.0
S13JCINDB	2029	10.96	4.86	1.0	19.0
R10JCINDC	6066	11.16	5.00	1.0	19.0
R11JCINDC	5939	11.27	4.96	1.0	19.0
R12JCINDC	5450	11.25	4.94	1.0	19.0
R13JCINDC	8638	11.21	4.88	1.0	19.0
S10JCINDC	4131	10.76	5.02	1.0	19.0
S11JCINDC	4082	10.96	5.00	1.0	19.0
S12JCINDC	3675	10.91	4.98	1.0	19.0
S13JCINDC	5520	10.94	4.91	1.0	19.0

Categorical Variable Codes

RwJCIND: Current Job Industry/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							7	1548	1614	5543
.M=Oth missing	66	844	729	422	265	55	76	86	53	270
.Q=Not asked this wv		14	19							
.W=Skip,not working	4259	11789	11121	12943	12338	12082	12265	11814	11321	12970
01.Agric/Forest/Fish	278	240	201	267	224	225	247	147	126	107
02.Mining and Constr	508	417	355	431	384	319	461	269	232	166
03.Mnfg: Non-durable	611	486	389	488	367	296	371	239	197	137
04.Mnfg: Durable	903	697	591	712	574	445	551	382	297	205
05.Transportation	570	467	399	498	418	339	462	312	261	193
06.Wholesale	320	246	250	324	263	227	299	202	176	131
07.Retail	933	811	695	939	819	731	899	539	461	357
08.Finan/Ins/RealEs	528	451	416	584	511	460	604	398	344	257
09.Busns/Repair Svc	491	440	427	588	541	450	556	342	289	225
10.Personal Service	412	369	318	438	352	327	411	206	169	147
11.Entertn/Recreatn	125	96	99	150	127	136	164	100	74	62
12.Prof/Related Svcs	2244	1948	1706	2255	2061	1807	2371	1614	1375	1097
13.Public Administration	404	327	276	345	334	266	385	271	228	167

Value	w11	w12	w13
.B=Other Census code	5239	4768	7210
.M=Oth missing	127	117	237
.Q=Not asked this wv			
.W=Skip,not working	12545	11825	12032
01.Agric/Forest/Fish	79	58	46
02.Mining and Constr	131	104	72
03.Mnfg: Non-durable	102	92	60
04.Mnfg: Durable	168	132	92
05.Transportation	150	110	74
06.Wholesale	105	76	56
07.Retail	280	201	149
08.Finan/Ins/RealEs	230	167	128
09.Busns/Repair Svc	185	156	119
10.Personal Service	122	98	67
11.Entertn/Recreatn	52	36	26
12.Prof/Related Svcs	909	716	479
13.Public Administration	130	91	65

SwJCIND: Current Job Industry/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							7	1120	1144	3725
.M=Oth missing	34	561	458	268	162	33	43	53	30	161
.Q=Not asked this wv		1	6							
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
.W=Skip,not working	3293	7058	6728	7732	7341	7124	7202	6859	6393	7286
01.Agric/Forest/Fish	238	206	180	225	191	187	198	122	107	87
02.Mining and Constr	440	366	303	363	311	254	375	216	181	126
03.Mnfg: Non-durable	489	383	304	364	285	230	280	176	143	103
04.Mnfg: Durable	737	568	478	559	464	360	440	303	233	160
05.Transportation	473	377	325	373	320	265	365	247	213	151
06.Wholesale	271	205	207	263	216	174	240	159	136	106
07.Retail	737	646	550	684	593	532	647	384	321	243
08.Finan/Ins/RealEs	432	361	323	450	394	345	457	307	273	198
09.Busns/Repair Svc	384	348	336	454	406	340	412	262	218	172
10.Personal Service	299	256	207	263	221	214	251	128	105	83
11.Entertn/Recreatn	85	66	67	106	84	88	110	70	51	41
12.Prof/Related Svcs	1672	1429	1237	1613	1494	1294	1670	1134	938	749
13.Public Administration	316	259	208	263	248	199	275	195	160	122

Value	w11	w12	w13
.B=Other Census code	3588	3202	4569
.M=Oth missing	55	61	104
.Q=Not asked this wv			
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6975	6332	6152
01.Agric/Forest/Fish	62	47	38
02.Mining and Constr	102	81	51
03.Mnfg: Non-durable	73	65	40
04.Mnfg: Durable	128	95	64
05.Transportation	118	89	55
06.Wholesale	80	64	43
07.Retail	188	142	97
08.Finan/Ins/RealEs	178	128	96
09.Busns/Repair Svc	138	105	77
10.Personal Service	70	57	36
11.Entertn/Recreatn	32	21	17
12.Prof/Related Svcs	605	455	298
13.Public Administration	96	68	42

RwJCINDB: Cur Job Industry/2002 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							76	86	53	270
.P=From previous Census cod							2977	1965	10	43
.W=Skip,not working							12265	11814	11321	12970
01.Agric/Forest/Fish/Huntin							153	129	131	162
02.Mining							19	15	20	37
03.Utilities							51	47	63	89
04.Construction							361	325	311	469
05.Manufacturing (continued							532	471	617	950
06.Wholesale Trade							173	155	203	282
07.Retail Trade							446	450	560	749
08.Transport/Warehousing							183	187	248	457
09.Information							83	79	106	145
10.Finance/Insurance							212	203	257	344
11.Real Estate/Rental/Leasi							193	196	205	265
12.Prof/Scientific/Tech Svc							292	291	348	480
13.Mgmnt/Admin/Support/Wast							203	183	225	369
14.Educational Services							380	393	601	893
15.Health Care/Social Assis							643	628	871	1472
16.Arts/Entertain/Recreatio							134	117	131	182
17.Accomodations/Food Svcs							168	166	249	349
18.Other Svcs/Except PubAdm							404	395	428	641
19.PubAdmin/Active Duty Mil							181	174	259	416

Value	w11	w12	w13
.B=Other Census code	1836	2227	5395
.M=Oth missing	127	117	237
.P=From previous Census cod	41	181	230
.W=Skip,not working	12545	11825	12032
01.Agric/Forest/Fish/Huntin	102	68	46
02.Mining	25	17	7
03.Utilities	56	39	34
04.Construction	292	221	143
05.Manufacturing (continued	665	505	364
06.Wholesale Trade	188	139	88
07.Retail Trade	500	359	258
08.Transport/Warehousing	312	224	140
09.Information	100	74	50
10.Finance/Insurance	257	186	135
11.Real Estate/Rental/Leasi	190	137	98
12.Prof/Scientific/Tech Svc	341	271	190
13.Mgmnt/Admin/Support/Wast	225	155	103
14.Educational Services	674	523	371
15.Health Care/Social Assis	998	723	482
16.Arts/Entertain/Recreatio	125	83	53
17.Accomodations/Food Svcs	234	151	108
18.Other Svcs/Except PubAdm	417	305	203
19.PubAdmin/Active Duty Mil	304	217	145

SwJCINDB: Cur Job Industry/2002 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							43	53	30	161
.P=From previous Census cod							2160	1397	7	29
.U=Unmarried							6777	6417	6206	7799
.V=Spouse NR							380	317	365	722
.W=Skip,not working							7202	6859	6393	7286
01.Agric/Forest/Fish/Huntin							131	111	108	128
02.Mining							17	14	17	29
03.Utilities							44	41	54	66
04.Construction							292	263	239	361
05.Manufacturing (continued							416	371	486	725
06.Wholesale Trade							134	123	161	218
07.Retail Trade							332	333	403	511
08.Transport/Warehousing							145	149	191	332
09.Information							60	63	74	98
10.Finance/Insurance							166	165	207	265
11.Real Estate/Rental/Leasi							144	141	154	194
12.Prof/Scientific/Tech Svc							222	219	260	351
13.Mgmnt/Admin/Support/Wast							144	135	163	247
14.Educational Services							283	291	429	628
15.Health Care/Social Assis							416	413	556	892
16.Arts/Entertain/Recreatio							102	89	94	125
17.Accomodations/Food Svcs							119	119	156	214
18.Other Svcs/Except PubAdm							279	265	282	381
19.PubAdmin/Active Duty Mil							121	121	182	272

Value	w11	w12	w13
.B=Other Census code	1240	1480	3346
.M=Oth missing	55	61	104
.P=From previous Census cod	31	122	148
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6975	6332	6152
01.Agric/Forest/Fish/Huntin	80	57	35
02.Mining	18	13	6
03.Utilities	40	27	24
04.Construction	229	165	104
05.Manufacturing (continued	503	371	270
06.Wholesale Trade	145	106	61
07.Retail Trade	327	241	167
08.Transport/Warehousing	238	166	104
09.Information	65	48	30
10.Finance/Insurance	197	141	102
11.Real Estate/Rental/Leasi	141	104	77
12.Prof/Scientific/Tech Svc	258	198	132
13.Mgmnt/Admin/Support/Wast	158	108	75
14.Educational Services	476	358	251
15.Health Care/Social Assis	613	429	274
16.Arts/Entertain/Recreatio	80	53	34
17.Accomodations/Food Svcs	151	108	73
18.Other Svcs/Except PubAdm	259	179	119
19.PubAdmin/Active Duty Mil	209	145	91

RwJCINDC: Cur Job Industry/2007 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										270
.P=From previous Census cod										2728
.W=Skip,not working										12970
01.Agric/Forest/Fish/Huntin										140
02.Mining										25
03.Utilities										56
04.Construction										392
05.Manufacturing (continued										647
06.Wholesale Trade										187
07.Retail Trade										492
08.Transport/Warehousing										322
09.Information										93
10.Finance/Insurance										234
11.Real Estate/Rental/Leasi										206
12.Prof/Scientific/Tech Svc										375
13.Mgmnt/Admin/Support/Wast										301
14.Educational Services										491
15.Health Care/Social Assis										996
16.Arts/Entertain/Recreatio										131
17.Accomodations/Food Svcs										234
18.Other Svcs/Except PubAdm										491
19.PubAdmin/Active Duty Mil										253

Value	w11	w12	w13
.M=Oth missing	127	117	237
.P=From previous Census cod	1943	1355	5
.W=Skip,not working	12545	11825	12032
01.Agric/Forest/Fish/Huntin	126	117	127
02.Mining	18	16	23
03.Utilities	43	35	73
04.Construction	369	332	536
05.Manufacturing (continued	622	574	983
06.Wholesale Trade	186	173	263
07.Retail Trade	489	464	731
08.Transport/Warehousing	313	284	465
09.Information	77	77	136
10.Finance/Insurance	240	208	327
11.Real Estate/Rental/Leasi	206	184	243
12.Prof/Scientific/Tech Svc	361	331	497
13.Mgmnt/Admin/Support/Wast	282	275	433
14.Educational Services	506	467	861
15.Health Care/Social Assis	990	926	1477
16.Arts/Entertain/Recreatio	128	115	175
17.Accomodations/Food Svcs	257	217	380
18.Other Svcs/Except PubAdm	487	443	550
19.PubAdmin/Active Duty Mil	239	212	358

SwJCINDC: Cur Job Industry/2007 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										161
.P=From previous Census cod										1935
.U=Unmarried										7799
.V=Spouse NR										722
.W=Skip,not working										7286
01.Agric/Forest/Fish/Huntin										113
02.Mining										20
03.Utilities										42
04.Construction										298
05.Manufacturing (continued										482
06.Wholesale Trade										135
07.Retail Trade										341
08.Transport/Warehousing										229
09.Information										59
10.Finance/Insurance										178
11.Real Estate/Rental/Leasi										152
12.Prof/Scientific/Tech Svc										276
13.Mgmnt/Admin/Support/Wast										197
14.Educational Services										339
15.Health Care/Social Assis										582
16.Arts/Entertain/Recreatio										92
17.Accomodations/Food Svcs										149
18.Other Svcs/Except PubAdm										292
19.PubAdmin/Active Duty Mil										155

Value	w11	w12	w13
.M=Oth missing	55	61	104
.P=From previous Census cod	1376	944	3
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
.W=Skip,not working	6975	6332	6152
01.Agric/Forest/Fish/Huntin	101	97	91
02.Mining	12	13	16
03.Utilities	35	29	54
04.Construction	282	243	380
05.Manufacturing (continued	462	415	663
06.Wholesale Trade	134	128	183
07.Retail Trade	323	310	475
08.Transport/Warehousing	239	198	303
09.Information	53	53	89
10.Finance/Insurance	174	149	214
11.Real Estate/Rental/Leasi	149	131	155
12.Prof/Scientific/Tech Svc	268	251	338
13.Mgmnt/Admin/Support/Wast	191	177	265
14.Educational Services	347	309	564
15.Health Care/Social Assis	589	556	844
16.Arts/Entertain/Recreatio	82	64	105
17.Accomodations/Food Svcs	175	148	216
18.Other Svcs/Except PubAdm	313	272	344
19.PubAdmin/Active Duty Mil	153	132	221

How Constructed

RwJCIND is the industry of the Respondent's current job in Wave 'w.' RwJCINDB is the Respondent's current job industry based on the 2002 Census industries used beginning in Wave 8. RwJCINDC is the Respondent's current job industry based on the 2007 Census industries used beginning in Wave 10.

The current job industry is usually taken from the interview when the job was first reported. It is carried forward if the Respondent

continues working at the same job and position. If the Respondent is self-employed and reports a new industry, then the current interview values are used.

In Waves 2A and 3A, industry information is NOT collected for any job. So for the AHEAD Respondents, R2JCIND and R3JCIND are set to the .Q SAS special missing value, to indicate that no information is available.

From Wave 7-10, HRS begins using a different set of industry codes, based on the 2002 Census. Before Wave 7 there are 13 possible industry codes; from Wave 7-10, there are 19 codes. RwJCINDB begins with R7JCINDB and provides the new code set. In Wave 7 only, we have both sets of codes stored in R7JCIND and R7JCINDB.

If this question is not asked in Wave 7 because the Respondent has not changed jobs or job title, then R7JCINDB is set to .P, for industry taken from prior wave and R7JCIND provides the 1980 Census-based industry. If R7JCINDB is provided but the Respondent did not change jobs, s/he may have values for both R7JCIND and R7JCINDB. If the Respondent started a new job in Wave 7, then R7JCIND is set to .B, to indicate that the industry code for the current job is taken from Wave 7 when the HRS begins to use the 2002 Census industries, which R7JCINDB provides.

Beginning in Wave 10, HRS begins using a different set of industry codes, based on the 2007 Census. The number of industry codes remains 19. RwJCINDC begins with R10JCINDC and provides the new code set. In Wave 10 only, we have both sets of codes stored in R10JCINDB and R10JCINDC.

If this question is not asked in Wave 10 because the Respondent has not changed jobs or job title, then R10JCINDC is set to .P, for industry taken from prior wave and R10JCINDB provides the 2002 Census-based industry. If R10JCINDC is provided but the Respondent did not change jobs, s/he may have values for both R10JCINDB and R10JCINDC. If the Respondent started a new job in Wave 10, then R10JCIND and R10JCINDB are set to .B, to indicate that the industry code for the current job is taken from Wave 10 when the HRS begins to use the 2007 Census industries, which R10JCINDC provides.

If the Respondent is not working, this variable is set to a .W missing code.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJCIND, RwJCINDB and RwJCINDC.

Cross Wave Differences in Original HRS Data

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of her/his current job if s/he is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Before Wave 7, the industry codes are based on those used in the 1980 Census, assigned to one of 13 categories. From Wave 7-10, they are based on 2002 Census industries, assigned to one of 19 categories. Beginning in Wave 10, they are based on 2007 Census industries, assigned to one of 19 categories.

HRS Variables Used

HRS 1992:	
V2719	F4:IND:1980 CENSUS IND
V2820	F26:IND:1980 CENSUS IND
HRS 1994:	
W3608	FA41a.INDUSTRY

W4312A	FB15.INDUSTRY
HRS 1996:	
E2730M	G41A/G42. IND
HRS 1998:	
F3253M	G41A.IND - MASKED
HRS 2000:	
G3503M	G41A.IND - MASKED
HRS 2004:	
JJ166M_00	WORK IN WHAT INDUSTRY 2000 Census-MASKED
HRS 2010:	
MJ166M_10	WORK IN WHAT INDUSTRY 2007 Census-MASKED
HRS 2002-2016:	
xJ166M	WORK IN WHAT INDUSTRY - MASKED

Respondent belongs to a Union

Wave	Variable	Label	Type
1	R1UNION	R1UNION:W1 R is covered by a union	Categ
2	R2UNION	R2UNION:W2 R is covered by a union	Categ
3	R3UNION	R3UNION:W3 R is covered by a union	Categ
4	R4UNION	R4UNION:W4 R is covered by a union	Categ
5	R5UNION	R5UNION:W5 R is covered by a union	Categ
6	R6UNION	R6UNION:W6 R is covered by a union	Categ
7	R7UNION	R7UNION:W7 R is covered by a union	Categ
8	R8UNION	R8UNION:W8 R is covered by a union	Categ
9	R9UNION	R9UNION:W9 R is covered by a union	Categ
10	R10UNION	R10UNION:W10 R is covered by a union	Categ
11	R11UNION	R11UNION:W11 R is covered by a union	Categ
12	R12UNION	R12UNION:W12 R is covered by a union	Categ
13	R13UNION	R13UNION:W13 R is covered by a union	Categ
1	S1UNION	S1UNION:W1 S is covered by a union	Categ
2	S2UNION	S2UNION:W2 S is covered by a union	Categ
3	S3UNION	S3UNION:W3 S is covered by a union	Categ
4	S4UNION	S4UNION:W4 S is covered by a union	Categ
5	S5UNION	S5UNION:W5 S is covered by a union	Categ
6	S6UNION	S6UNION:W6 S is covered by a union	Categ
7	S7UNION	S7UNION:W7 S is covered by a union	Categ
8	S8UNION	S8UNION:W8 S is covered by a union	Categ
9	S9UNION	S9UNION:W9 S is covered by a union	Categ
10	S10UNION	S10UNION:W10 S is covered by a union	Categ
11	S11UNION	S11UNION:W11 S is covered by a union	Categ
12	S12UNION	S12UNION:W12 S is covered by a union	Categ
13	S13UNION	S13UNION:W13 S is covered by a union	Categ
2	R2UNIONF	R2UNIONF:W2 Carried forward value from prev wave	Categ
3	R3UNIONF	R3UNIONF:W3 Carried forward value from prev wave	Categ
4	R4UNIONF	R4UNIONF:W4 Carried forward value from prev wave	Categ
5	R5UNIONF	R5UNIONF:W5 Carried forward value from prev wave	Categ
6	R6UNIONF	R6UNIONF:W6 Carried forward value from prev wave	Categ
7	R7UNIONF	R7UNIONF:W7 Carried forward value from prev wave	Categ
8	R8UNIONF	R8UNIONF:W8 Carried forward value from prev wave	Categ
9	R9UNIONF	R9UNIONF:W9 Carried forward value from prev wave	Categ
10	R10UNIONF	R10UNIONF:W10 Carried forward value from prev wave	Categ
11	R11UNIONF	R11UNIONF:W11 Carried forward value from prev wave	Categ
12	R12UNIONF	R12UNIONF:W12 Carried forward value from prev wave	Categ
13	R13UNIONF	R13UNIONF:W13 Carried forward value from prev wave	Categ
2	S2UNIONF	S2UNIONF:W2 Carried forward value from prev wave	Categ
3	S3UNIONF	S3UNIONF:W3 Carried forward value from prev wave	Categ
4	S4UNIONF	S4UNIONF:W4 Carried forward value from prev wave	Categ
5	S5UNIONF	S5UNIONF:W5 Carried forward value from prev wave	Categ
6	S6UNIONF	S6UNIONF:W6 Carried forward value from prev wave	Categ
7	S7UNIONF	S7UNIONF:W7 Carried forward value from prev wave	Categ
8	S8UNIONF	S8UNIONF:W8 Carried forward value from prev wave	Categ
9	S9UNIONF	S9UNIONF:W9 Carried forward value from prev wave	Categ
10	S10UNIONF	S10UNIONF:W10 Carried forward value from prev wave	Categ
11	S11UNIONF	S11UNIONF:W11 Carried forward value from prev wave	Categ
12	S12UNIONF	S12UNIONF:W12 Carried forward value from prev wave	Categ
13	S13UNIONF	S13UNIONF:W13 Carried forward value from prev wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1UNION	8340	0.21	0.41	0.0	1.0
R2UNION	7021	0.20	0.40	0.0	1.0
R3UNION	6415	0.17	0.38	0.0	1.0

R4UNION	7444	0.18	0.39	0.0	1.0
R5UNION	6556	0.17	0.38	0.0	1.0
R6UNION	6036	0.14	0.35	0.0	1.0
R7UNION	7125	0.16	0.37	0.0	1.0
R8UNION	5966	0.14	0.35	0.0	1.0
R9UNION	5200	0.14	0.35	0.0	1.0
R10UNION	7622	0.17	0.38	0.0	1.0
R11UNION	6795	0.17	0.37	0.0	1.0
R12UNION	5860	0.16	0.37	0.0	1.0
R13UNION	7397	0.17	0.38	0.0	1.0
S1UNION	6571	0.21	0.40	0.0	1.0
S2UNION	5484	0.19	0.39	0.0	1.0
S3UNION	4921	0.17	0.37	0.0	1.0
S4UNION	5548	0.18	0.38	0.0	1.0
S5UNION	4885	0.17	0.38	0.0	1.0
S6UNION	4486	0.14	0.35	0.0	1.0
S7UNION	5219	0.16	0.36	0.0	1.0
S8UNION	4355	0.14	0.34	0.0	1.0
S9UNION	3756	0.14	0.34	0.0	1.0
S10UNION	5235	0.16	0.37	0.0	1.0
S11UNION	4661	0.16	0.37	0.0	1.0
S12UNION	3944	0.16	0.36	0.0	1.0
S13UNION	4715	0.16	0.37	0.0	1.0
R2UNIONF	19642	0.20	0.40	0.0	1.0
R3UNIONF	17991	0.19	0.39	0.0	1.0
R4UNIONF	21384	0.17	0.37	0.0	1.0
R5UNIONF	19578	0.05	0.21	0.0	1.0
R6UNIONF	18165	0.15	0.36	0.0	1.0
R7UNIONF	20129	0.19	0.39	0.0	1.0
R8UNIONF	18469	0.15	0.36	0.0	1.0
R9UNIONF	17217	0.05	0.21	0.0	1.0
R10UNIONF	22034	0.15	0.35	0.0	1.0
R11UNIONF	20554	0.24	0.43	0.0	1.0
R12UNIONF	18747	0.23	0.42	0.0	1.0
R13UNIONF	20912	0.02	0.15	0.0	1.0
S2UNIONF	13090	0.23	0.42	0.0	1.0
S3UNIONF	11917	0.21	0.41	0.0	1.0
S4UNIONF	13980	0.19	0.39	0.0	1.0
S5UNIONF	12730	0.06	0.23	0.0	1.0
S6UNIONF	11639	0.17	0.37	0.0	1.0
S7UNIONF	12972	0.22	0.41	0.0	1.0
S8UNIONF	11735	0.18	0.38	0.0	1.0
S9UNIONF	10646	0.06	0.24	0.0	1.0
S10UNIONF	13513	0.17	0.38	0.0	1.0
S11UNIONF	12488	0.28	0.45	0.0	1.0
S12UNIONF	11012	0.27	0.44	0.0	1.0
S13UNIONF	11779	0.03	0.17	0.0	1.0

RwUNION: R is covered by a union											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		5	10	7	12	22	6	17	13	14	22
.E=Self-employed				2	687	599		650	605	620	1139
.M=Oth missing			16	407	254	24	8	40	58	38	72
.Q=Not asked this wv			8222								
.R=RF		25	2	6	4	3	12	9		6	2
.W=Not working		4282	4371	11154	12983	12374	12103	12288	11827	11339	13177
0.No		6560	5645	5315	6081	5426	5161	5985	5112	4450	6294
1.Yes		1780	1376	1100	1363	1130	875	1140	854	750	1328
Value		w11	w12	w13							
.D=DK		13	15	41							
.E=Self-employed		1039	917	1272							
.M=Oth missing		107	90	59							
.Q=Not asked this wv											
.R=RF		3	3	12							
.W=Not working		12597	11862	12131							
0.No		5652	4903	6113							
1.Yes		1143	957	1284							
SwUNION: S is covered by a union											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.D=DK		5	7	6	9	20	3	12	7	7	9
.E=Self-employed				2	508	456		499	468	457	818
.M=Oth missing			13	257	172	18	8	28	43	21	46
.Q=Not asked this wv			4549								
.R=RF		19	1	2	3	2	10	5		3	1
.U=Unmarried		2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR		379	384	417	536	311	220	380	317	365	722
.W=Not working		3305	3236	6729	7740	7349	7132	7209	6862	6402	7404
0.No		5215	4449	4100	4572	4047	3865	4397	3757	3245	4377
1.Yes		1356	1035	821	976	838	621	822	598	511	858
Value		w11	w12	w13							
.D=DK		9	7	23							
.E=Self-employed		759	663	819							
.M=Oth missing		67	51	38							
.Q=Not asked this wv											
.R=RF		1	2	6							
.U=Unmarried		7474	7125	8024							
.V=Spouse NR		592	610	1109							
.W=Not working		6991	6345	6178							
0.No		3917	3331	3944							
1.Yes		744	613	771							

RwUNIONF: Carried forward value from prev wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Value not carried forward			15811	14655	17840	18640	15471	16325	15661	16396	18796
1.Value from prev wv carrie			3831	3336	3544	938	2694	3804	2808	821	3238
Value		w11	w12	w13							
0.Value not carried forward		15543	14378	20397							
1.Value from prev wv carrie		5011	4369	515							
SwUNIONF: Carried forward value from prev wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried			5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR			584	417	536	311	220	380	317	365	722
0.Value not carried forward			10121	9372	11294	11991	9680	10134	9634	10013	11197
1.Value from prev wv carrie			2969	2545	2686	739	1959	2838	2101	633	2316
Value		w11	w12	w13							
.U=Unmarried		7474	7125	8024							
.V=Spouse NR		592	610	1109							
0.Value not carried forward		9017	8054	11431							
1.Value from prev wv carrie		3471	2958	348							

How Constructed

RwUNION indicates whether the Respondent is covered by a union or employee-association contract, and RwUNIONF provides additional detail about the source of information for RwUNION. SwUNION and SwUNIONF provide the information for the Respondent's spouse or partner.

The question is the same in all waves: "Are you covered by a union or employee-association contract?" If the Respondent is not asked this question, is still working for the same employer, and has not changed job title, then her/his previous wave response is carried forward. These skip patterns do differ slightly across waves, so please read the Cross Wave Differences section below.

RwUNION is set to "1" if the Respondent reports being covered by a union. RwUNION is set to "0" if the Respondent is not covered by a union. RwUNION is set to .D for "Don't Know" and .R for "Refused" if the Respondent does not know or does not answer. It is set to .W if skipped because the Respondent has no current job, and set to .E if the question was skipped because the Respondent is self-employed. In the earlier waves, self-employed Respondents are asked this question, but in later waves they skip the union question. Again, please refer to the Cross Wave Differences section for a full explanation. If a value has been carried forward from a previous wave, then RwUNIONF is set to "1." If the value has been obtained from the current wave then RwUNIONF=0. If the Respondent reports being self-employed in the previous wave but is not self-employed in the current wave, we do not carry forward the special missing value (.E). Instead, we set RwUNIONF=2 and RwUNION=.M:Missing.

SwUNION and SwUNIONF information is taken from the spouse's self-reported RwUNION and RwUNIONF variables, if available. If the Respondent is not married, SwUNION and SwUNIONF are set to .U=unmarried. If the Respondent's spouse did not respond, then SwUNION and SwUNIONF are set to .V=Spouse is non-response.

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

The question is the same in all waves, "Are you covered by a union or employee-association contract?" In Wave 1, the question is asked of all Respondents, whether or not they are self-employed.

In Wave 2H, we carry forward the Wave 1 response for anyone who did not respond in Wave 2H, but who had the same employer as Wave 1, and whose job title did not change.

This question was not asked in Wave 2A.

From Wave 3H onward, we carry forward the previous response, once it is established that the Respondent's employer has not changed and her/his job title has not changed. We do not carry forward the special missing value (.Q) for when the question was not asked in the survey.

From Wave 7 onward, Respondents that report being self-employed skip this question. But if the self-employed Respondents have answered the question in a previous wave, then we do carry the value forward. For those who are self-employed and have never been asked the question, we assign the special missing value of .E.

HRS Variables Used

HRS 1992:	
V2721	F7:YR STARTD THIS KN WRK
V2819	F25:UNION CONTRACT
V2837	F35:UNION COVERAGE
HRS 1994:	
W3458	FA19.STILL WORKING FOR W
W3502	FA21.SAME JOB TITLE AS W
W3709	FA62.UNION/EMPLOYEE-ASSO
W4374	FB25.UNION/EMPLOYEE-ASSO
AHEAD 1995:	
D3286	GB25. WHETHER UNIONIZED
HRS 1996:	
E2832	G66_.BRANCHPOINT
E2833	G66.UNION/EMPLOYEE-ASSOCIATION
HRS 1998:	
F3355	G66 BRANCHPOINT
F3356	G66.UNION/EMPLOYEE-ASSOCIATION
HRS 2000:	
G3615	G66Y1.G66 BRANCHPOINT
G3616	G66.UNION/EMPLOYEE-ASSOCIATION
HRS 2002-2006:	
xJ265	J265 BRANCHPOINT
HRS 2002-2016:	
xJ266	UNION/EMPLOYEE-ASSOCIATION
HRS 2008-2016:	
xJ045	STILL WORKING PREV EMPLOYER
xJ058	SAME JOB TITLE AS PREVIOUS WAVE

Firm Size

Wave	Variable	Label	Type
1	R1FSIZE	R1FSIZE:W1 Size of firm or business	Cont
2	R2FSIZE	R2FSIZE:W2 Size of firm or business	Cont
3	R3FSIZE	R3FSIZE:W3 Size of firm or business	Cont
4	R4FSIZE	R4FSIZE:W4 Size of firm or business	Cont
5	R5FSIZE	R5FSIZE:W5 Size of firm or business	Cont
6	R6FSIZE	R6FSIZE:W6 Size of firm or business	Cont
7	R7FSIZE	R7FSIZE:W7 Size of firm or business	Cont
8	R8FSIZE	R8FSIZE:W8 Size of firm or business	Cont
9	R9FSIZE	R9FSIZE:W9 Size of firm or business	Cont
10	R10FSIZE	R10FSIZE:W10 Size of firm or business	Cont
11	R11FSIZE	R11FSIZE:W11 Size of firm or business	Cont
12	R12FSIZE	R12FSIZE:W12 Size of firm or business	Cont
13	R13FSIZE	R13FSIZE:W13 Size of firm or business	Cont
1	S1FSIZE	S1FSIZE:W1 Size of firm or business	Cont
2	S2FSIZE	S2FSIZE:W2 Size of firm or business	Cont
3	S3FSIZE	S3FSIZE:W3 Size of firm or business	Cont
4	S4FSIZE	S4FSIZE:W4 Size of firm or business	Cont
5	S5FSIZE	S5FSIZE:W5 Size of firm or business	Cont
6	S6FSIZE	S6FSIZE:W6 Size of firm or business	Cont
7	S7FSIZE	S7FSIZE:W7 Size of firm or business	Cont
8	S8FSIZE	S8FSIZE:W8 Size of firm or business	Cont
9	S9FSIZE	S9FSIZE:W9 Size of firm or business	Cont
10	S10FSIZE	S10FSIZE:W10 Size of firm or business	Cont
11	S11FSIZE	S11FSIZE:W11 Size of firm or business	Cont
12	S12FSIZE	S12FSIZE:W12 Size of firm or business	Cont
13	S13FSIZE	S13FSIZE:W13 Size of firm or business	Cont
2	R2FSIZEF	R2FSIZEF:W2 Value carried forward from previous wave	Categ
3	R3FSIZEF	R3FSIZEF:W3 Value carried forward from previous wave	Categ
4	R4FSIZEF	R4FSIZEF:W4 Value carried forward from previous wave	Categ
5	R5FSIZEF	R5FSIZEF:W5 Value carried forward from previous wave	Categ
6	R6FSIZEF	R6FSIZEF:W6 Value carried forward from previous wave	Categ
7	R7FSIZEF	R7FSIZEF:W7 Value carried forward from previous wave	Categ
8	R8FSIZEF	R8FSIZEF:W8 Value carried forward from previous wave	Categ
9	R9FSIZEF	R9FSIZEF:W9 Value carried forward from previous wave	Categ
10	R10FSIZEF	R10FSIZEF:W10 Value carried forward from previous wave	Categ
11	R11FSIZEF	R11FSIZEF:W11 Value carried forward from previous wave	Categ
12	R12FSIZEF	R12FSIZEF:W12 Value carried forward from previous wave	Categ
13	R13FSIZEF	R13FSIZEF:W13 Value carried forward from previous wave	Categ
2	S2FSIZEF	S2FSIZEF:W2 Value carried forward from previous wave	Categ
3	S3FSIZEF	S3FSIZEF:W3 Value carried forward from previous wave	Categ
4	S4FSIZEF	S4FSIZEF:W4 Value carried forward from previous wave	Categ
5	S5FSIZEF	S5FSIZEF:W5 Value carried forward from previous wave	Categ
6	S6FSIZEF	S6FSIZEF:W6 Value carried forward from previous wave	Categ
7	S7FSIZEF	S7FSIZEF:W7 Value carried forward from previous wave	Categ
8	S8FSIZEF	S8FSIZEF:W8 Value carried forward from previous wave	Categ
9	S9FSIZEF	S9FSIZEF:W9 Value carried forward from previous wave	Categ
10	S10FSIZEF	S10FSIZEF:W10 Value carried forward from previous wave	Categ
11	S11FSIZEF	S11FSIZEF:W11 Value carried forward from previous wave	Categ
12	S12FSIZEF	S12FSIZEF:W12 Value carried forward from previous wave	Categ
13	S13FSIZEF	S13FSIZEF:W13 Value carried forward from previous wave	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1FSIZE	7150	408.68	1825.14	0.0	50000.0
R2FSIZE	6143	388.57	1828.58	1.0	50000.0
R3FSIZE	5116	367.75	1647.96	1.0	50000.0

R4FSIZE	7232	449.17	6022.64	0.0	450000.0
R5FSIZE	6187	406.71	6665.69	0.0	500000.0
R6FSIZE	5081	360.19	3421.12	0.0	200000.0
R7FSIZE	6733	382.18	6275.15	0.0	500000.0
R8FSIZE	5645	320.35	3042.22	0.0	200000.0
R9FSIZE	5213	402.14	5186.36	0.0	325000.0
R10FSIZE	7940	604.20	9739.48	0.0	500000.0
R11FSIZE	7110	515.93	8933.67	0.0	700000.0
R12FSIZE	6316	821.84	20525.96	0.0	1000000.0
R13FSIZE	7992	700.92	8597.62	0.0	500000.0
S1FSIZE	5707	414.44	1939.12	0.0	50000.0
S2FSIZE	4851	391.22	1924.07	1.0	50000.0
S3FSIZE	3968	355.56	1709.15	1.0	50000.0
S4FSIZE	5449	456.86	6689.35	0.0	450000.0
S5FSIZE	4675	449.46	7634.03	0.0	500000.0
S6FSIZE	3817	312.95	1721.37	0.0	60000.0
S7FSIZE	5010	314.75	1597.05	0.0	60000.0
S8FSIZE	4204	344.77	3473.16	0.0	200000.0
S9FSIZE	3813	396.23	5641.20	0.0	325000.0
S10FSIZE	5542	623.18	9479.59	0.0	500000.0
S11FSIZE	4976	550.50	10561.72	0.0	700000.0
S12FSIZE	4336	761.17	19499.00	0.0	1000000.0
S13FSIZE	5171	679.20	8968.96	0.0	500000.0
R2FSIZEF	19642	0.19	0.39	0.0	1.0
R3FSIZEF	17991	0.18	0.38	0.0	1.0
R4FSIZEF	21384	0.13	0.34	0.0	1.0
R5FSIZEF	19578	0.00	0.00	0.0	0.0
R6FSIZEF	18165	0.15	0.35	0.0	1.0
R7FSIZEF	20129	0.12	0.32	0.0	1.0
R8FSIZEF	18469	0.17	0.38	0.0	1.0
R9FSIZEF	17217	0.00	0.00	0.0	0.0
R10FSIZEF	22034	0.11	0.31	0.0	1.0
R11FSIZEF	20554	0.21	0.40	0.0	1.0
R12FSIZEF	18747	0.00	0.01	0.0	1.0
R13FSIZEF	20912	0.00	0.01	0.0	1.0
S2FSIZEF	13090	0.23	0.42	0.0	1.0
S3FSIZEF	11917	0.21	0.41	0.0	1.0
S4FSIZEF	13980	0.15	0.36	0.0	1.0
S5FSIZEF	12730	0.00	0.00	0.0	0.0
S6FSIZEF	11639	0.17	0.38	0.0	1.0
S7FSIZEF	12972	0.14	0.34	0.0	1.0
S8FSIZEF	11735	0.20	0.40	0.0	1.0
S9FSIZEF	10646	0.00	0.00	0.0	0.0
S10FSIZEF	13513	0.13	0.33	0.0	1.0
S11FSIZEF	12488	0.24	0.42	0.0	1.0
S12FSIZEF	11012	0.00	0.01	0.0	1.0
S13FSIZEF	11779	0.00	0.01	0.0	1.0

Categorical Variable Codes

RwFSIZEF: Value carried forward from previous wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Value not carried forward	|		15864	14747	18565	19578	15507	17723	15263	17217	19595
1.Value from prev wv carrie	|		3778	3244	2819		2658	2406	3206		2439
Value		w11	w12	w13							
0.Value not carried forward	|	16318	18746	20911							
1.Value from prev wv carrie	|	4236	1	1							

SwFSIZEF: Value carried forward from previous wave											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|		5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|		584	417	536	311	220	380	317	365	722
0.Value not carried forward	|		10133	9432	11872	12730	9662	11200	9372	10646	11779
1.Value from prev wv carrie	|		2957	2485	2108		1977	1772	2363		1734
Value		w11	w12	w13							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.Value not carried forward	|	9545	11011	11778							
1.Value from prev wv carrie	|	2943	1	1							

How Constructed

RwFSIZE indicates how many people work in the Respondent's place of business, and RwFSIZEF provides additional detail about the source of information for RwFSIZE. SwFSIZE and SwFSIZEF provide the information for the Respondent's spouse or partner.

The question is the same in all waves: if the Respondent is self-employed the question is, "Including yourself, how many people work in this business?" If the Respondent works for someone else the question is, "About how many employees work for this company or organization at the location where you work?" Note that we have not used the additional question "About how many employees work for this company or organization at all locations?" to code this variable. If the Respondent is not asked this question and has not changed employer then her/his previous wave response is carried forward. RwFSIZE is set to .D for "Don't Know" and .R for "Refused" if the Respondent does not know or does not answer. It is set to .W if skipped because the Respondent has no current job.

If a value has been carried forward from a previous wave, then RwFSIZEF is set to "1." If the value has been obtained from the current wave then RwFSIZEF is set to "0." We do not carry forward missing values such as .D or .R. Instead, we set these cases to RwFSIZE=.M for "Missing."

SwFSIZE and SwFSIZEF information is taken from the spouse's self-reported RwFSIZE and RwFSIZEF variables, if available. If the Respondent is not married, SwFSIZE and SwFSIZEF are set to .U for "Unmarried." If the Respondent's spouse did not respond, then SwFSIZE and SwFSIZEF are set to .V for "Spouse is non-response."

Because this question is not asked in Wave 2A, the variables are set to .Q.

Cross Wave Differences in Original HRS Data

The question is the same in all waves: if the Respondent is self-employed the question is, "Including yourself, how many people work in this business?" If the Respondent works for someone else the question is, "About how many employees work for this company or organization at the location where you work?"

This question was not asked in Wave 2A.

From Wave 3H onward, we carry forward the previous response, once it is established that the Respondent's employer has not changed. We carry forward any value greater than 0. We do not carry forward any missing values.

In Wave 5 and 9 and from Wave 12 forward, Respondents working for the same employer as the previous wave do get asked the firm size question. For Wave 5 and 9, RwFSIZEF will be 0 as we do not need to carry any values forward. From Wave 12 forward, RwFSIZEF has low to no values of 1, as we very rarely need to carry any values forward.

In Wave 12 one respondent (HHIDPN=501112020) reports a firm size of 1,000,000. This respondent reports having the same employer since Wave 7 and in Wave 7, s/he reported a firm size of 1000. In Wave 8, the respondent did not know the firm size so we carried forward the Wave 7 value. It is the responsibility of the researcher to decide how to handle this reported value.

HRS Variables Used

HRS 1992:	
V2812	F21:EMPLOYEES AT LOCAT
V2830	F32:SELF-EMP:# OF EMPLOY
HRS 1994:	
W3458	FA19.STILL WORKING FOR W
W3658	FA57.NUMBER EMPLOYEES AT
W4323	FB21a.NUMBER OF EMPLOYEE
HRS 1996:	
E2629	G3_.BRANCHPOINT
E2654	G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
E2655	G19B.STILL WORKING PREV EMPLOYER
E2656	G19.CHECKPOINT
E2662	G21.SAME JOB TITLE AS PREVIOUS WAVE
E2765	G54.NUMBER OF EMPLOYEES IN BUSINESS
E2820	G61.NUMBER EMPLOYEES AT LOCATION
E2821	G61A.ESTIMATED NUMBER EMPLOYEES
E2822	G62.NUMBER EMPLOYEES AT ALL LOCATIONS
E2824	G62A.ESTIMATED NUMBER EMPLOYEES
HRS 1998:	
F3177	G19.CHECKPOINT
F3288	G54.NUMBER OF EMPLOYEES IN BUSINESS
F3343	G61.NUMBER EMPLOYEES AT LOCATION
HRS 2000:	
G3432	G21.SAME JOB TITLE AS PREVIOUS WAVE
G3548	G54.NUMBER OF EMPLOYEES IN BUSINESS
G3603	G61.NUMBER EMPLOYEES AT LOCATION
HRS 2002-2016:	
xJ058	SAME JOB TITLE AS PREVIOUS WAVE
xJ201	# EMPLOYEES IN BUSINESS
xJ244	# EMPLOYEES AT LOCATION

Years of tenure at longest reported job
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Wave	Variable	Label	Type
1	R1JLTEN	R1JLTEN:W1 Longest Job Tenure	Cont
2	R2JLTEN	R2JLTEN:W2 Longest Job Tenure	Cont
3	R3JLTEN	R3JLTEN:W3 Longest Job Tenure	Cont
4	R4JLTEN	R4JLTEN:W4 Longest Job Tenure	Cont
5	R5JLTEN	R5JLTEN:W5 Longest Job Tenure	Cont
6	R6JLTEN	R6JLTEN:W6 Longest Job Tenure	Cont
7	R7JLTEN	R7JLTEN:W7 Longest Job Tenure	Cont
8	R8JLTEN	R8JLTEN:W8 Longest Job Tenure	Cont
9	R9JLTEN	R9JLTEN:W9 Longest Job Tenure	Cont
10	R10JLTEN	R10JLTEN:W10 Longest Job Tenure	Cont
11	R11JLTEN	R11JLTEN:W11 Longest Job Tenure	Cont
12	R12JLTEN	R12JLTEN:W12 Longest Job Tenure	Cont
13	R13JLTEN	R13JLTEN:W13 Longest Job Tenure	Cont
1	S1JLTEN	S1JLTEN:W1 Longest Job Tenure	Cont
2	S2JLTEN	S2JLTEN:W2 Longest Job Tenure	Cont
3	S3JLTEN	S3JLTEN:W3 Longest Job Tenure	Cont
4	S4JLTEN	S4JLTEN:W4 Longest Job Tenure	Cont
5	S5JLTEN	S5JLTEN:W5 Longest Job Tenure	Cont
6	S6JLTEN	S6JLTEN:W6 Longest Job Tenure	Cont
7	S7JLTEN	S7JLTEN:W7 Longest Job Tenure	Cont
8	S8JLTEN	S8JLTEN:W8 Longest Job Tenure	Cont
9	S9JLTEN	S9JLTEN:W9 Longest Job Tenure	Cont
10	S10JLTEN	S10JLTEN:W10 Longest Job Tenure	Cont
11	S11JLTEN	S11JLTEN:W11 Longest Job Tenure	Cont
12	S12JLTEN	S12JLTEN:W12 Longest Job Tenure	Cont
13	S13JLTEN	S13JLTEN:W13 Longest Job Tenure	Cont
1	R1JLMIS	R1JLMIS:W1 Longest Job # Jobs date=miss	Cont
2	R2JLMIS	R2JLMIS:W2 Longest Job # Jobs date=miss	Cont
3	R3JLMIS	R3JLMIS:W3 Longest Job # Jobs date=miss	Cont
4	R4JLMIS	R4JLMIS:W4 Longest Job # Jobs date=miss	Cont
5	R5JLMIS	R5JLMIS:W5 Longest Job # Jobs date=miss	Cont
6	R6JLMIS	R6JLMIS:W6 Longest Job # Jobs date=miss	Cont
7	R7JLMIS	R7JLMIS:W7 Longest Job # Jobs date=miss	Cont
8	R8JLMIS	R8JLMIS:W8 Longest Job # Jobs date=miss	Cont
9	R9JLMIS	R9JLMIS:W9 Longest Job # Jobs date=miss	Cont
10	R10JLMIS	R10JLMIS:W10 Longest Job # Jobs date=miss	Cont
11	R11JLMIS	R11JLMIS:W11 Longest Job # Jobs date=miss	Cont
12	R12JLMIS	R12JLMIS:W12 Longest Job # Jobs date=miss	Cont
13	R13JLMIS	R13JLMIS:W13 Longest Job # Jobs date=miss	Cont
1	S1JLMIS	S1JLMIS:W1 Longest Job # Jobs date=miss	Cont
2	S2JLMIS	S2JLMIS:W2 Longest Job # Jobs date=miss	Cont
3	S3JLMIS	S3JLMIS:W3 Longest Job # Jobs date=miss	Cont
4	S4JLMIS	S4JLMIS:W4 Longest Job # Jobs date=miss	Cont
5	S5JLMIS	S5JLMIS:W5 Longest Job # Jobs date=miss	Cont
6	S6JLMIS	S6JLMIS:W6 Longest Job # Jobs date=miss	Cont
7	S7JLMIS	S7JLMIS:W7 Longest Job # Jobs date=miss	Cont
8	S8JLMIS	S8JLMIS:W8 Longest Job # Jobs date=miss	Cont
9	S9JLMIS	S9JLMIS:W9 Longest Job # Jobs date=miss	Cont
10	S10JLMIS	S10JLMIS:W10 Longest Job # Jobs date=miss	Cont
11	S11JLMIS	S11JLMIS:W11 Longest Job # Jobs date=miss	Cont
12	S12JLMIS	S12JLMIS:W12 Longest Job # Jobs date=miss	Cont
13	S13JLMIS	S13JLMIS:W13 Longest Job # Jobs date=miss	Cont
1	R1JLTENF	R1JLTENF:W1 Long Job Tenure/fill in flag	Categ
2	R2JLTENF	R2JLTENF:W2 Long Job Tenure/fill in flag	Categ
3	R3JLTENF	R3JLTENF:W3 Long Job Tenure/fill in flag	Categ
4	R4JLTENF	R4JLTENF:W4 Long Job Tenure/fill in flag	Categ
5	R5JLTENF	R5JLTENF:W5 Long Job Tenure/fill in flag	Categ
6	R6JLTENF	R6JLTENF:W6 Long Job Tenure/fill in flag	Categ
7	R7JLTENF	R7JLTENF:W7 Long Job Tenure/fill in flag	Categ
8	R8JLTENF	R8JLTENF:W8 Long Job Tenure/fill in flag	Categ
9	R9JLTENF	R9JLTENF:W9 Long Job Tenure/fill in flag	Categ
10	R10JLTENF	R10JLTENF:W10 Long Job Tenure/fill in flag	Categ

11	R11JLTENF	R11JLTENF:W11 Long Job Tenure/fill in flag	Categ
12	R12JLTENF	R12JLTENF:W12 Long Job Tenure/fill in flag	Categ
13	R13JLTENF	R13JLTENF:W13 Long Job Tenure/fill in flag	Categ
1	S1JLTENF	S1JLTENF:W1 Long Job Tenure/fill in flag	Categ
2	S2JLTENF	S2JLTENF:W2 Long Job Tenure/fill in flag	Categ
3	S3JLTENF	S3JLTENF:W3 Long Job Tenure/fill in flag	Categ
4	S4JLTENF	S4JLTENF:W4 Long Job Tenure/fill in flag	Categ
5	S5JLTENF	S5JLTENF:W5 Long Job Tenure/fill in flag	Categ
6	S6JLTENF	S6JLTENF:W6 Long Job Tenure/fill in flag	Categ
7	S7JLTENF	S7JLTENF:W7 Long Job Tenure/fill in flag	Categ
8	S8JLTENF	S8JLTENF:W8 Long Job Tenure/fill in flag	Categ
9	S9JLTENF	S9JLTENF:W9 Long Job Tenure/fill in flag	Categ
10	S10JLTENF	S10JLTENF:W10 Long Job Tenure/fill in flag	Categ
11	S11JLTENF	S11JLTENF:W11 Long Job Tenure/fill in flag	Categ
12	S12JLTENF	S12JLTENF:W12 Long Job Tenure/fill in flag	Categ
13	S13JLTENF	S13JLTENF:W13 Long Job Tenure/fill in flag	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLTEN	11591	16.50	10.38	0.0	55.9
R2JLTEN	16149	19.92	11.83	0.0	70.8
R3JLTEN	14977	20.09	11.86	0.0	72.5
R4JLTEN	18252	19.65	11.83	0.0	72.5
R5JLTEN	16860	19.80	11.83	0.0	73.0
R6JLTEN	15827	20.00	11.83	0.0	75.0
R7JLTEN	17934	18.96	11.60	0.0	75.0
R8JLTEN	16595	19.23	11.62	0.0	75.0
R9JLTEN	15594	19.32	11.52	0.0	75.0
R10JLTEN	19925	17.96	11.31	0.0	71.0
R11JLTEN	18866	18.08	11.33	0.0	72.2
R12JLTEN	17321	18.20	11.30	0.0	71.8
R13JLTEN	19304	17.19	11.13	0.0	71.6
S1JLTEN	9129	16.84	10.46	0.0	55.9
S2JLTEN	11334	19.89	11.77	0.0	70.0
S3JLTEN	10418	20.18	11.85	0.0	70.5
S4JLTEN	12452	19.72	11.82	0.0	72.5
S5JLTEN	11441	19.94	11.82	0.0	73.0
S6JLTEN	10553	20.23	11.87	0.0	75.0
S7JLTEN	11974	19.18	11.63	0.0	75.0
S8JLTEN	10903	19.42	11.64	0.0	69.6
S9JLTEN	9960	19.63	11.57	0.0	70.7
S10JLTEN	12549	18.26	11.32	0.0	71.0
S11JLTEN	11730	18.41	11.32	0.0	72.2
S12JLTEN	10386	18.54	11.28	0.0	71.8
S13JLTEN	11081	17.57	11.12	0.0	69.6
R1JLMIS	12652	0.07	0.27	0.0	3.0
R2JLMIS	19642	0.27	0.49	0.0	3.0
R3JLMIS	17991	0.29	0.51	0.0	4.0
R4JLMIS	21384	0.30	0.52	0.0	5.0
R5JLMIS	19578	0.30	0.53	0.0	6.0
R6JLMIS	18165	0.30	0.55	0.0	7.0
R7JLMIS	20129	0.25	0.53	0.0	7.0
R8JLMIS	18469	0.25	0.56	0.0	8.0
R9JLMIS	17217	0.24	0.57	0.0	9.0
R10JLMIS	22034	0.18	0.51	0.0	10.0

R11JLMIS	20554	0.18	0.53	0.0	11.0
R12JLMIS	18747	0.18	0.56	0.0	11.0
R13JLMIS	20912	0.16	0.54	0.0	11.0
S1JLMIS	9900	0.07	0.27	0.0	3.0
S2JLMIS	13090	0.24	0.47	0.0	3.0
S3JLMIS	11917	0.25	0.49	0.0	4.0
S4JLMIS	13980	0.25	0.50	0.0	5.0
S5JLMIS	12730	0.25	0.51	0.0	6.0
S6JLMIS	11639	0.24	0.53	0.0	7.0
S7JLMIS	12972	0.20	0.51	0.0	7.0
S8JLMIS	11735	0.20	0.52	0.0	8.0
S9JLMIS	10646	0.20	0.54	0.0	9.0
S10JLMIS	13513	0.15	0.48	0.0	10.0
S11JLMIS	12488	0.15	0.50	0.0	11.0
S12JLMIS	11012	0.15	0.53	0.0	11.0
S13JLMIS	11779	0.13	0.51	0.0	11.0
R1JLTENF	109	0.69	0.92	0.0	2.0
R2JLTENF	8222	0.60	0.67	0.0	2.0
R3JLTENF	17991	0.23	0.53	0.0	2.0
R4JLTENF	21384	0.16	0.47	0.0	2.0
R5JLTENF	19578	0.15	0.45	0.0	2.0
R6JLTENF	18165	0.13	0.43	0.0	2.0
R7JLTENF	20129	0.10	0.37	0.0	2.0
R8JLTENF	18469	0.08	0.34	0.0	2.0
R9JLTENF	17217	0.07	0.32	0.0	2.0
R10JLTENF	22034	0.04	0.24	0.0	2.0
R11JLTENF	20554	0.03	0.21	0.0	2.0
R12JLTENF	18747	0.02	0.18	0.0	2.0
R13JLTENF	20912	0.01	0.13	0.0	2.0
S1JLTENF	108	0.69	0.92	0.0	2.0
S2JLTENF	4349	0.65	0.70	0.0	2.0
S3JLTENF	11917	0.19	0.50	0.0	2.0
S4JLTENF	13980	0.13	0.43	0.0	2.0
S5JLTENF	12730	0.11	0.40	0.0	2.0
S6JLTENF	11639	0.09	0.36	0.0	2.0
S7JLTENF	12972	0.06	0.30	0.0	2.0
S8JLTENF	11735	0.04	0.26	0.0	2.0
S9JLTENF	10646	0.03	0.22	0.0	2.0
S10JLTENF	13513	0.01	0.15	0.0	2.0
S11JLTENF	12488	0.01	0.12	0.0	2.0
S12JLTENF	11012	0.00	0.09	0.0	2.0
S13JLTENF	11779	0.00	0.06	0.0	2.0

Categorical Variable Codes

RwJLTENF: Long Job Tenure/fill in flag											
Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	12543									
.Q=Not needed this wv	|		11420								
0.No w2a info used	|	68	4146	14654	18760	17428	16423	18745	17420	16400	21493
1.Used b1235,tenure missing	|	7	3209	2468	1732	1398	1096	853	627	472	306
2.Used b1235,took max	|	34	867	869	892	752	646	531	422	345	235
Value	|	w11	w12	w13							
.M=Oth missing	|										
.Q=Not needed this wv	|										
0.No w2a info used	|	20157	18477	20758							
1.Used b1235,tenure missing	|	223	157	86							
2.Used b1235,took max	|	174	113	68							
SwJLTENF: Long Job Tenure/fill in flag											
Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|	9792									
.Q=Not needed this wv	|		9125								
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	200	417	536	311	220	380	317	365	722
0.No w2a info used	|	67	2117	10152	12714	11781	10941	12458	11401	10422	13388
1.Used b1235,tenure missing	|	7	1655	1212	749	548	385	283	182	119	62
2.Used b1235,took max	|	34	577	553	517	401	313	231	152	105	63
Value	|	w11	w12	w13							
.M=Oth missing	|										
.Q=Not needed this wv	|										
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No w2a info used	|	12409	10973	11759							
1.Used b1235,tenure missing	|	45	23	11							
2.Used b1235,took max	|	34	16	9							

How Constructed

RwJLTEN is the Respondent's years of tenure on the longest-held job reported as of Wave 'w'. RwJLMIS counts the number of jobs that are examined in the derivation where the tenure cannot be determined because of missing dates.

SwJLTEN and SwJLMIS provide this information for the Respondent's spouse or partner.

The years of tenure at the longest reported job is derived using all reported jobs. Reported jobs include those at which a Respondent is working at any interview and those reported in the retrospective job history.

Except for the AHEAD entry cohort, a Respondent is asked about past jobs retrospectively at her/his first interview. If the Respondent is not working, information about the last job is collected. Whether working or not, questions are asked about up to three additional jobs lasting five or more years. These job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

Longest job tenure is determined by comparing the tenures derived from jobs given in the retrospective job history, current job tenures from current and previous interviews, and tenure on any job that ended between interviews up to the current, to determine the longest non-missing tenure. In Waves 2A and 3A, jobs reported in job history were collected in Wave 4, so their dates are compared to interview dates to determine whether or how long they lasted before the 2A or 3A interview.

In Wave 2A there is a question asked of some Respondents about the total years at the longest held job. If, after processing the current job and job history, R2JLTEN is less than the answer to this direct question, the direct question is used to set R2JLTEN, and the occupation associated with this job is used for R2JLOCCA. J2JLTENF is set to indicate if this replacement was done.

Since tenure at the longest-held job based on job history can not be modified using Wave 2A data, RwJLTENF is set to .Q for all Respondents who are not part of the AHEAD entry cohort to indicate that it is inapplicable for those cases.

RwJLMIS is a count of reported jobs that are missing dates; it does not count jobs for which dates are never asked. For example, if the Respondent reports having 7 jobs lasting 5 or more years in job history questions, no information will be asked about at least 4 of those jobs, because questions ask about at most 3 job start and stop dates. These 4 jobs will be missing job dates but are not counted in RwJLMIS. RwJLMIS counts only those jobs about which the Respondent is asked but failed to provide start or stop date information. Please see also 'Job History Status' later in this section.

Job start and stop dates are reported as month and year or just year. If the month is missing or not asked, July is used as the month. To help fill in job stop dates, the months and years given for retirement, disability, unemployment, and temporary layoff are also examined. These dates are asked when the Respondent reports the applicable employment status. If any reported job year is before the Respondent turned age 15, then it is set to the year the Respondent turned 15 instead.

The spouse variable is taken from the wave "w" spouse's self-report, e.g., S3JLTEN is taken from the Wave 3 spouse's R3JLTEN.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about her/his last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of her/his current job if s/he is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

HRS 1992:

V12717	F2:ANY WRK FOR PAY :IND
V12718	F3:WHO WORK FOR :IND
V2708	F1a:MONTH UNEMPLOYED
V2711	F1c:LAST WRK THIS JOB-MO
V2712	F1c:LAST WRK THIS JOB-YR
V2713	F1d:MO BECAME DISABLED
V2714	F1d:YR BECAME DISABLED
V2715	F1e:MONTH RETIRED
V2716	F1e:YEAR RETIRED
V2717	F2:ANY WRK FOR PAY :IMP
V2718	F3:WHO WORK FOR :IMP
V2816	F23:YR STARTED FOR EMPLR
V2834	F33:YR STRT THIS BUSINES
V3402	G1A:MO LST WRK W/PAY
V3403	G1A:YR LST WRK W/PAY
V3418	G13:YR STRT WRK JOB
V3442	G25:R/SE:YR STRT @ BUS.
V3604	H4:WHN STRT WRKNG JOB-YR
V3607	H7:YEAR STP WRKNG AT JB
V3704	H25:1ST:YR STRTD THERE
V3705	H26:1ST:YR LEFT THERE
V3804	H25:NXT:YR STRTD THERE
V3805	H26:NXT:YR LEFT THERE

AHEAD 1993:

B1174	G1. WORKING CURRENTLY?
B1175	G1a. WORK LAST 2 YRS?
B1178	G2. CURRENTLY SELF EMPLOYED
B1182	G4. CURRENT WORK START YEAR
B1183	G4. CURRENT WORK START YEARS AGO
B1184	G4. CURRENT WORK START AT AGE
B1207	G11. JOB LAST 2 YEARS: END MONTH
B1208	G11. JOB LAST 2 YEARS: END YEAR
B1221	G14. JOB LAST 2 YRS START YEAR
B1222	G14. JOB LAST 2 YRS START YEARS AGO
B1223	G14. JOB LAST 2 YRS START AT AGE
B1232	G20. EVER WORK 10/+ YRS?
B1235	G22. 10/+ YRS ONE EMP: # YEARS

HRS 1994:

W3307	FA1a.UNEMPLOYED-MONTH
W3308	FA1b.UNEMPLOYED-YEAR
W3310	FA1d.LAST WORKED ON JOB-
W3311	FA1e.LAST WORKED ON JOB-
W3312	FA1f.DISABLED-MONTH
W3313	FA1f.DISABLED-YEAR
W3314	FA1h.RETIRED-MONTH

W3315	FA1h.RETIRED-YEAR
W3316	FA2.WORKING FOR PAY
W3317	FA3.WORK FOR SOMEONE ELS
W3318	FA5.STOPPED WORKING FOR
W3319	FA5.STOPPED WORKING FOR
W3458	FA19.STILL WORKING FOR W
W3503	FA26.STOPPED WORKING FOR
W3504	FA26.STOPPED WORKING FOR
W3662	FA59.START WORK FOR EMPL
W3663	FA59.START WORK FOR EMPL
W4200	FB2.STOPPED WORK FOR EMP
W4201	FB2a.STOPPED WORK FOR EM
W4327	FB22.STARTED S-E WORK-MO
W4328	FB22a.STARTED S-E WORK-Y
W4800	FC2.MONTH STOPPED SELF-E
W4801	FC2a.YEAR STOPPED SELF-E
W4897	FC16.MONTH STOPPED WORK
W4898	FC16a.YEAR STOPPED WORK
W7002	G1a.LAST WORKED-YEAR
W7003	G1a.LAST WORKED-YEARS AG
W7004	G1a.LAST WORKED-MONTH
W7018	G13.START WORK-YEAR
W7019	G13.START WORK-YEARS AGO
W7020	G13.START WORK-AGE
W7103	H4.START WORK-YEAR
W7104	H4.START WORK-YEARS AGO
W7105	H4.START WORK-AGE
W7108	H7.LEFT EMPLOYER-YEAR
W7109	H7.LEFT EMPLOYER-YEARS A
W7110	H7.LEFT EMPLOYER-AGE
W7162	EMP1. H25.START WORK-YEA
W7163	EMP1. H26.LEFT EMPLOYER-
W7196	EMP2. H25.START WORK-YEA
W7197	EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2627	GA1A. WHEN BECAME UNEMPLOYED
D2628	GA1B. YEAR BECAME UNEMPLOYED
D2633	GA1D. MONTH LAST WORKED - TEMPORARY
D2634	GA1E. YEAR LAST WORKED - TEMPORARY
D2638	GA1F. MONTH DISABLED
D2639	GA1G. YEAR DISABLED
D2643	GA1J.YEAR RETIRED
D2644	GA1J.MONTH RETIRED
D2651	GA2.WORKING ANY CURRENT
D2653	GA3. SELF/OTHER EMPLOYED
D2654	GA5. MONTH STOPPED SELF-EMPL
D2655	GA5A. YEAR STOPPED SELF-EMPL
D2747	GA19. STILL WORKING SAME EMPLOYER
D2759	GA26. MONTH STOPPED WORKING WAVE I EMPLO
D2760	GA26A. YEAR STOPPED WORKING WAVE I EMPLO
D2831	GA43. MONTH STARTED CURRENT WORK
D2832	GA43A. YEAR STARTED CURRENT WORK
D3188	GB2. MONTH STOPPED SELF-EMPL
D3189	GB2A. YEAR STOPPED SELF-EMPL
D3545	GC2. MONTH STOPPED SELF-EMPL
D3546	GC2A. YEAR STOPPED SELF-EMPL

D3639 GC16. MONTH STOPPED WORKING WAVE I EMPLO
 D3640 GC16A. YEAR STOPPED WORKING WAVE I EMPLO
 HRS 1996:
 E2612 G1A.UNEMPLOYED-MONTH
 E2613 G1B.UNEMPLOYED-YEAR
 E2616 G1D.LAST WORKED ON JOB-MONTH
 E2617 G1E.LAST WORKED ON JOB-YEAR
 E2619 G1F.DISABLED-MONTH
 E2620 G1G.DISABLED-YEAR
 E2622 G1H.RETIRED-MONTH
 E2623 G1J.RETIRED-YEAR
 E2627 G2.WORKING FOR PAY
 E2628 G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
 E2630 G5.STOPPED WORKING FOR SELF-MONTH
 E2631 G5A.STOPPED WORKING FOR SELF-YEAR
 E2654 G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
 E2655 G19B.STILL WORKING PREV EMPLOYER
 E2667 G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
 E2668 G26A.STOP WORKING FOR PREV WAVE EMPLOYER
 E2825 G63.START WORK FOR EMPLOYER-MONTH
 E2826 G63A.START WORK FOR EMPLOYER-YEAR
 E3127 GG1A.LAST WORKED-YEAR
 E3128 GG1A.LAST WORKED-YEARS AGO
 E3129 GG1A.LAST WORKED-MONTH
 E3146 GG13.START WORK-YEAR
 E3147 GG13.START WORK-YEARS AGO
 E3148 GG13.START WORK-AGE
 E3329 GH4.START WORK-YEAR
 E3330 GH4.START WORK-YEARS AGO
 E3331 GH4.START WORK-AGE
 E3337 GH7.LEFT EMPLOYER-YEAR
 E3338 GH7.LEFT EMPLOYER-YEARS AGO
 E3339 GH7.LEFT EMPLOYER-AGE
 HRS 1998:
 F3116 G1A.UNEMPLOYED-MONTH
 F3117 G1B.UNEMPLOYED-YEAR
 F3120 G1D.LAST WORKED ON JOB-MONTH
 F3121 G1E.LAST WORKED ON JOB-YEAR
 F3123 G1F.DISABLED-MONTH
 F3124 G1G.DISABLED-YEAR
 F3126 G1H.RETIRED-MONTH
 F3127 G1J.RETIRED-YEAR
 F3131 G2.WORKING FOR PAY
 F3132 G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
 F3134 G5.STOPPED WORKING FOR SELF-MONTH
 F3135 G5A.STOPPED WORKING FOR SELF-YEAR
 F3158 G19A.STILL WORKING FOR PREV WAVE EMPLOYE
 F3166 G19B.STILL WORKING PREV EMPLOYER
 F3188 G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
 F3189 G26A.STOP WORKING FOR PREV WAVE EMPLOYER
 F3348 G63.START WORK FOR EMPLOYER-MONTH
 F3349 G63A.START WORK FOR EMPLOYER-YEAR
 F3644 GG1A1.LAST WORKED WHEN-YEAR
 F3645 GG1A2.LAST WORKED WHEN-YEARS AGO
 F3647 GG1A.LAST WORKED-MONTH
 F3664 GG13.START WORK-YEAR
 F3665 GG13.START WORK-YEARS AGO
 F3666 GG13.START WORK-AGE
 F3834 GH4.START WORK-YEAR

F3835	GH4.START WORK-YEARS AGO
F3836	GH4.START WORK-AGE
F3842	GH7.LEFT EMPLOYER-YEAR
F3843	GH7.LEFT EMPLOYER-YEARS AGO
F3844	GH7.LEFT EMPLOYER-AGE
F3903_1	GH25.START WORK FOR EMPLOYER-YEAR
F3903_2	GH25.START WORK FOR EMPLOYER-YEAR
F3904_1	GH26.LEFT EMPLOYER-YEAR
F3904_2	GH26.LEFT EMPLOYER-YEAR
HRS 2000:	
G3366	G1A.UNEMPLOYED-MONTH
G3367	G1B.UNEMPLOYED-YEAR
G3370	G1D.LAST WORKED ON JOB-MONTH
G3371	G1E.LAST WORKED ON JOB-YEAR
G3373	G1F.DISABLED-MONTH
G3374	G1G.DISABLED-YEAR
G3376	G1H.RETIRED-MONTH
G3377	G1J.RETIRED-YEAR
G3381	G2.WORKING FOR PAY
G3382	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
G3384	G5.STOPPED WORKING FOR SELF-MONTH
G3385	G5A.STOPPED WORKING FOR SELF-YEAR
G3416	G19B.STILL WORKING PREV EMPLOYER
G3437	G26.STOP WORK PREV WAVE EMPLOYR-MO
G3438	G26A.STOP WORK PREV WAVE EMPLOYR-YR
G3607	G63.START WORK FOR EMPLOYER-MONTH
G3608	G63A.START WORK FOR EMPLOYER-YEAR
G3954	GG1A1.LAST WORKED WHEN-YEAR
G3955	GG1A2.LAST WORKED WHEN-YEARS AGO
G3957	GG1A.LAST WORKED-MONTH
G3974	GG13.START WORK-YEAR
G3975	GG13Y1. START WORK-YEARS AGO
G3976	GG13Y2. START WORK-AGE
G4096	GH4.START WORK-YEAR
G4097	GH4Y1. START WORK-YEARS AGO
G4098	GH4Y2. START WORK-AGE
G4105	GH7Y1. LEFT EMPLOYER-YEARS AGO
G4106	GH7Y2. LEFT EMPLOYER-AGE
G4176_1	GH25.START WORK FOR EMPLOYER-YEAR
G4176_2	GH25.START WORK FOR EMPLOYER-YEAR
G4177_1	GH26.LEFT EMPLOYER-YEAR
G4177_2	GH26.LEFT EMPLOYER-YEAR
HRS 2002:	
HK002	LAST WRKED WHEN-YR
HK003	LAST WRKED WHEN-YRS AGO
HK018	START WRK-YR
HK019	START WRK-YRS AGO
HK020	START WRK- AT AGE
HL078_1	START WRK FOR EMP- INC PENSION- YR- 1
HL078_2	START WRK FOR EMP- INC PENSION- YR- 2
HL079_1	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
HL079_2	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2016:	
PJK004	LAST WRKED WHEN-YR
PJK005	LAST WRKED WHEN-YRS AGO
PJK006	LAST WRKED-MO
PJK022	START WRK-YR
PJK023	START WRK-YRS AGO
PJK024	START WRK- AT AGE

PJL009_1	START WRK-YR
PJL009_2	LONGEST HELD JOB START WRK-YR
PJL010_1	START WORK-YRS AGO
PJL010_2	LONGEST HELD JOB START WORK-YRS AGO
PJL011_1	START WORK- AT AGE
PJL011_2	LONGEST HELD JOB START WORK- AT AGE
PJL017_1	LEFT EMPLOYER-YRS AGO
PJL017_2	LEFT LONGEST HELD JOB EMPLOYER-YRS AGO
PJL018_1	LEFT EMPLOYER- AT AGE
PJL018_2	LEFT LONGEST HELD JOB EMPLOYER- AT AGE
HRS 2002-2014:	
xK004	LAST WRKED-MO
xL009	START WRK-YR
xL010	START WORK-YRS AGO
xL011	START WORK- AT AGE
xL017	LEFT EMPLOYER-YRS AGO
xL018	LEFT EMPLOYER- AT AGE
HRS 2002-2016:	
xJ007	MO UNEMPLOYED
xJ008	YR UNEMPLOYED
xJ011	MO LAST WORKED - LAID OFF
xJ012	YR LAST WORKED - LAID OFF
xJ014	DISABLED-MO
xJ015	DISABLED- YR
xJ017	RETIRED-MO
xJ018	RETIRED-YR
xJ020	WORKING FOR PAY
xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
xJ023	STOPPED WORKING FOR SLF-MO
xJ024	STOPPED WORKING FOR SLF- YR
xJ045	STILL WORKING PREV EMPLOYER
xJ063	STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
xJ064	STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
xJ248	MO-START WORK FOR CURRENT EMPLOYER
xJ249	YR-START WORK FOR CURRENT EMPLOYER
HRS 2004-2014:	
xK005	LAST WRKED WHEN-YRS AGO
xK006	LAST WRKED-MO
xK022	START WRK-YR
xK023	START WRK-YRS AGO
xK024	START WRK- AT AGE
xL034A	START WRK FOR EMP- INC PENSION- YR- 1
xL034B	START WRK FOR EMP- INC PENSION- YR- 2
xL035A	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
xL035B	LEFT EMPLOYER- INCLUDE PENSION- YR- 2

Occupation code for job with longest reported tenure

Wave	Variable	Label	Type
1	R1JLOCC	R1JLOCC:W1 Longest Job Occ/1980 Census	Categ
2	R2JLOCC	R2JLOCC:W2 Longest Job Occ/1980 Census	Categ
3	R3JLOCC	R3JLOCC:W3 Longest Job Occ/1980 Census	Categ
4	R4JLOCC	R4JLOCC:W4 Longest Job Occ/1980 Census	Categ
5	R5JLOCC	R5JLOCC:W5 Longest Job Occ/1980 Census	Categ
6	R6JLOCC	R6JLOCC:W6 Longest Job Occ/1980 Census	Categ
7	R7JLOCC	R7JLOCC:W7 Longest Job Occ/1980 Census	Categ
8	R8JLOCC	R8JLOCC:W8 Longest Job Occ/1980 Census	Categ
9	R9JLOCC	R9JLOCC:W9 Longest Job Occ/1980 Census	Categ
10	R10JLOCC	R10JLOCC:W10 Longest Job Occ/1980 Census	Categ
11	R11JLOCC	R11JLOCC:W11 Longest Job Occ/1980 Census	Categ
12	R12JLOCC	R12JLOCC:W12 Longest Job Occ/1980 Census	Categ
13	R13JLOCC	R13JLOCC:W13 Longest Job Occ/1980 Census	Categ
1	S1JLOCC	S1JLOCC:W1 Longest Job Occ/1980 Census	Categ
2	S2JLOCC	S2JLOCC:W2 Longest Job Occ/1980 Census	Categ
3	S3JLOCC	S3JLOCC:W3 Longest Job Occ/1980 Census	Categ
4	S4JLOCC	S4JLOCC:W4 Longest Job Occ/1980 Census	Categ
5	S5JLOCC	S5JLOCC:W5 Longest Job Occ/1980 Census	Categ
6	S6JLOCC	S6JLOCC:W6 Longest Job Occ/1980 Census	Categ
7	S7JLOCC	S7JLOCC:W7 Longest Job Occ/1980 Census	Categ
8	S8JLOCC	S8JLOCC:W8 Longest Job Occ/1980 Census	Categ
9	S9JLOCC	S9JLOCC:W9 Longest Job Occ/1980 Census	Categ
10	S10JLOCC	S10JLOCC:W10 Longest Job Occ/1980 Census	Categ
11	S11JLOCC	S11JLOCC:W11 Longest Job Occ/1980 Census	Categ
12	S12JLOCC	S12JLOCC:W12 Longest Job Occ/1980 Census	Categ
13	S13JLOCC	S13JLOCC:W13 Longest Job Occ/1980 Census	Categ
1	R1JLOCCA	R1JLOCCA:W1 Long Job Occup/Ahead coding	Categ
2	R2JLOCCA	R2JLOCCA:W2 Long Job Occup/Ahead coding	Categ
3	R3JLOCCA	R3JLOCCA:W3 Long Job Occup/Ahead coding	Categ
4	R4JLOCCA	R4JLOCCA:W4 Long Job Occup/Ahead coding	Categ
5	R5JLOCCA	R5JLOCCA:W5 Long Job Occup/Ahead coding	Categ
6	R6JLOCCA	R6JLOCCA:W6 Long Job Occup/Ahead coding	Categ
7	R7JLOCCA	R7JLOCCA:W7 Long Job Occup/Ahead coding	Categ
8	R8JLOCCA	R8JLOCCA:W8 Long Job Occup/Ahead coding	Categ
9	R9JLOCCA	R9JLOCCA:W9 Long Job Occup/Ahead coding	Categ
10	R10JLOCCA	R10JLOCCA:W10 Long Job Occup/Ahead coding	Categ
11	R11JLOCCA	R11JLOCCA:W11 Long Job Occup/Ahead coding	Categ
12	R12JLOCCA	R12JLOCCA:W12 Long Job Occup/Ahead coding	Categ
13	R13JLOCCA	R13JLOCCA:W13 Long Job Occup/Ahead coding	Categ
1	S1JLOCCA	S1JLOCCA:W1 Long Job Occup/Ahead coding	Categ
2	S2JLOCCA	S2JLOCCA:W2 Long Job Occup/Ahead coding	Categ
3	S3JLOCCA	S3JLOCCA:W3 Long Job Occup/Ahead coding	Categ
4	S4JLOCCA	S4JLOCCA:W4 Long Job Occup/Ahead coding	Categ
5	S5JLOCCA	S5JLOCCA:W5 Long Job Occup/Ahead coding	Categ
6	S6JLOCCA	S6JLOCCA:W6 Long Job Occup/Ahead coding	Categ
7	S7JLOCCA	S7JLOCCA:W7 Long Job Occup/Ahead coding	Categ
8	S8JLOCCA	S8JLOCCA:W8 Long Job Occup/Ahead coding	Categ
9	S9JLOCCA	S9JLOCCA:W9 Long Job Occup/Ahead coding	Categ
10	S10JLOCCA	S10JLOCCA:W10 Long Job Occup/Ahead coding	Categ
11	S11JLOCCA	S11JLOCCA:W11 Long Job Occup/Ahead coding	Categ
12	S12JLOCCA	S12JLOCCA:W12 Long Job Occup/Ahead coding	Categ
13	S13JLOCCA	S13JLOCCA:W13 Long Job Occup/Ahead coding	Categ
7	R7JLOCCB	R7JLOCCB:W7 Long Job Occup/2000 Census	Categ
8	R8JLOCCB	R8JLOCCB:W8 Long Job Occup/2000 Census	Categ
9	R9JLOCCB	R9JLOCCB:W9 Long Job Occup/2000 Census	Categ
10	R10JLOCCB	R10JLOCCB:W10 Long Job Occup/2000 Census	Categ
11	R11JLOCCB	R11JLOCCB:W11 Long Job Occup/2000 Census	Categ
12	R12JLOCCB	R12JLOCCB:W12 Long Job Occup/2000 Census	Categ
13	R13JLOCCB	R13JLOCCB:W13 Long Job Occup/2000 Census	Categ
7	S7JLOCCB	S7JLOCCB:W7 Long Job Occup/2000 Census	Categ
8	S8JLOCCB	S8JLOCCB:W8 Long Job Occup/2000 Census	Categ

9	S9JLOCCB	S9JLOCCB:W9 Long Job Occup/2000 Census	Categ
10	S10JLOCCB	S10JLOCCB:W10 Long Job Occup/2000 Census	Categ
11	S11JLOCCB	S11JLOCCB:W11 Long Job Occup/2000 Census	Categ
12	S12JLOCCB	S12JLOCCB:W12 Long Job Occup/2000 Census	Categ
13	S13JLOCCB	S13JLOCCB:W13 Long Job Occup/2000 Census	Categ
10	R10JLOCCC	R10JLOCCC:W10 Long Job Occup/2010 Census	Categ
11	R11JLOCCC	R11JLOCCC:W11 Long Job Occup/2010 Census	Categ
12	R12JLOCCC	R12JLOCCC:W12 Long Job Occup/2010 Census	Categ
13	R13JLOCCC	R13JLOCCC:W13 Long Job Occup/2010 Census	Categ
10	S10JLOCCC	S10JLOCCC:W10 Long Job Occup/2010 Census	Categ
11	S11JLOCCC	S11JLOCCC:W11 Long Job Occup/2010 Census	Categ
12	S12JLOCCC	S12JLOCCC:W12 Long Job Occup/2010 Census	Categ
13	S13JLOCCC	S13JLOCCC:W13 Long Job Occup/2010 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLOCC	11231	6.80	5.15	1.0	17.0
R2JLOCC	11656	6.69	5.08	1.0	17.0
R3JLOCC	11237	6.66	5.05	1.0	17.0
R4JLOCC	15312	6.53	5.02	1.0	17.0
R5JLOCC	14366	6.44	5.00	1.0	17.0
R6JLOCC	13805	6.39	4.98	1.0	17.0
R7JLOCC	16084	6.39	4.97	1.0	17.0
R8JLOCC	14728	6.34	4.95	1.0	17.0
R9JLOCC	13732	6.31	4.94	1.0	17.0
R10JLOCC	12669	6.25	4.92	1.0	17.0
R11JLOCC	11764	6.20	4.90	1.0	17.0
R12JLOCC	10573	6.12	4.88	1.0	17.0
R13JLOCC	9159	6.05	4.83	1.0	17.0
S1JLOCC	8827	6.78	5.20	1.0	17.0
S2JLOCC	8771	6.69	5.16	1.0	17.0
S3JLOCC	8337	6.67	5.14	1.0	17.0
S4JLOCC	10913	6.53	5.10	1.0	17.0
S5JLOCC	10221	6.45	5.09	1.0	17.0
S6JLOCC	9622	6.37	5.08	1.0	17.0
S7JLOCC	11084	6.35	5.06	1.0	17.0
S8JLOCC	9913	6.31	5.06	1.0	17.0
S9JLOCC	8938	6.24	5.04	1.0	17.0
S10JLOCC	7997	6.17	5.01	1.0	17.0
S11JLOCC	7171	6.13	5.01	1.0	17.0
S12JLOCC	6156	6.05	5.02	1.0	17.0
S13JLOCC	5084	6.01	4.97	1.0	17.0
R1JLOCCA	41	4.41	2.26	1.0	8.0
R2JLOCCA	5483	4.32	2.37	1.0	9.0
R3JLOCCA	4760	4.29	2.38	1.0	9.0
R4JLOCCA	4107	4.30	2.40	1.0	9.0
R5JLOCCA	3418	4.25	2.40	1.0	9.0
R6JLOCCA	2811	4.20	2.40	1.0	9.0
R7JLOCCA	2289	4.21	2.41	1.0	9.0
R8JLOCCA	1804	4.18	2.41	1.0	9.0
R9JLOCCA	1427	4.08	2.39	1.0	9.0
R10JLOCCA	987	4.08	2.42	1.0	9.0
R11JLOCCA	749	3.99	2.40	1.0	9.0

R12JLOCCA	541	3.99	2.42	1.0	9.0
R13JLOCCA	322	4.01	2.42	1.0	9.0
S1JLOCCA	41	4.41	2.26	1.0	8.0
S2JLOCCA	3127	4.15	2.29	1.0	9.0
S3JLOCCA	2636	4.09	2.29	1.0	9.0
S4JLOCCA	2098	4.10	2.31	1.0	9.0
S5JLOCCA	1600	4.06	2.32	1.0	9.0
S6JLOCCA	1188	3.97	2.33	1.0	9.0
S7JLOCCA	881	3.89	2.34	1.0	9.0
S8JLOCCA	609	3.87	2.36	1.0	9.0
S9JLOCCA	428	3.84	2.38	1.0	9.0
S10JLOCCA	241	3.80	2.47	1.0	9.0
S11JLOCCA	151	3.72	2.52	1.0	9.0
S12JLOCCA	92	3.65	2.63	1.0	9.0
S13JLOCCA	33	3.36	2.15	1.0	8.0
R7JLOCCB	3869	13.73	7.37	1.0	25.0
R8JLOCCB	4771	13.66	7.26	1.0	25.0
R9JLOCCB	4633	13.67	7.25	1.0	25.0
R10JLOCCB	9641	14.28	7.06	1.0	25.0
R11JLOCCB	8670	14.31	7.01	1.0	25.0
R12JLOCCB	7944	14.34	6.97	1.0	25.0
R13JLOCCB	7097	14.33	6.97	1.0	25.0
S7JLOCCB	2819	13.50	7.53	1.0	25.0
S8JLOCCB	3500	13.50	7.46	1.0	25.0
S9JLOCCB	3322	13.40	7.48	1.0	25.0
S10JLOCCB	6461	14.10	7.30	1.0	25.0
S11JLOCCB	5733	14.11	7.26	1.0	25.0
S12JLOCCB	5109	14.16	7.19	1.0	25.0
S13JLOCCB	4420	14.14	7.22	1.0	25.0
R10JLOCCC	6043	13.35	6.57	1.0	23.0
R11JLOCCC	6143	13.28	6.58	1.0	23.0
R12JLOCCC	5966	13.29	6.52	1.0	23.0
R13JLOCCC	9991	13.21	6.60	1.0	23.0
S10JLOCCC	3990	13.25	6.76	1.0	23.0
S11JLOCCC	4137	13.14	6.79	1.0	23.0
S12JLOCCC	3925	13.13	6.74	1.0	23.0
S13JLOCCC	6090	13.11	6.80	1.0	23.0

Categorical Variable Codes

RwJLOCC: Longest Job Occ/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							244	586	804	6149
.M=Oth missing	1380	4320	3816	3859	3385	2897	2644	2285	2010	2777
.Q=Not asked this wv	41	3666	2938	2213	1827	1463	1157	870	671	439
01.Managerial specialty ope	1574	1635	1559	2154	2050	1984	2243	2060	1914	1778
02.Prof specialty opr/tech	1607	1698	1662	2412	2323	2277	2692	2488	2356	2193
03.Sales	1030	1093	1038	1448	1357	1306	1510	1392	1313	1225
04.Clerical/admin supp	1765	1857	1801	2415	2303	2225	2635	2457	2292	2141
05.Svc:prv hhld/clean/bldg	151	183	174	223	207	200	220	193	176	158
06.Svc:protection	153	153	154	217	201	194	220	200	186	171
07.Svc:food prep	383	395	374	529	480	439	510	456	436	391
08.Health svc	268	289	269	372	349	353	411	387	351	328
09.Personal svc	633	677	683	868	824	791	965	876	826	773
10.Farming/forestry/fishing	330	359	349	473	437	407	464	409	374	339
11.Mechanics/repair	405	409	412	559	504	480	581	537	488	441
12.Constr trade/extractors	402	380	380	532	491	457	561	501	462	418
13.Precision production	469	485	470	616	564	532	586	546	494	461
14.Operators: machine	999	1016	960	1265	1140	1094	1212	1083	997	893
15.Operators: transport, et	557	555	524	689	643	593	686	621	570	524
16.Operators: handlers, etc	340	325	301	400	360	348	450	407	388	344
17.Member of Armed Forces	165	147	127	140	133	125	138	115	109	91

Value	w11	w12	w13
.B=Other Census code	6147	5927	9422
.M=Oth missing	2323	2028	2203
.Q=Not asked this wv	320	219	128
01.Managerial specialty ope	1674	1514	1296
02.Prof specialty opr/tech	2056	1901	1680
03.Sales	1137	1017	891
04.Clerical/admin supp	2008	1825	1598
05.Svc:prv hhld/clean/bldg	150	136	123
06.Svc:protection	157	138	115
07.Svc:food prep	363	345	289
08.Health svc	310	285	249
09.Personal svc	716	613	557
10.Farming/forestry/fishing	297	254	230
11.Mechanics/repair	391	340	300
12.Constr trade/extractors	388	338	287
13.Precision production	416	364	305
14.Operators: machine	822	729	614
15.Operators: transport, et	473	407	331
16.Operators: handlers, etc	321	289	227
17.Member of Armed Forces	85	78	67

SwJLOCC: Longest Job Occ/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							108	393	548	4001
.M=Oth missing	1032	2357	2063	2031	1722	1438	1352	1151	976	1416
.Q=Not asked this wv	41	1962	1517	1036	787	579	428	278	184	99
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
01.Managerial specialty ope	1292	1316	1232	1637	1570	1504	1692	1547	1388	1263
02.Prof specialty opr/tech	1270	1289	1244	1766	1707	1646	1946	1748	1604	1455
03.Sales	857	856	812	1065	980	931	1055	957	869	787
04.Clerical/admin supp	1372	1364	1293	1668	1561	1462	1714	1530	1417	1272
05.Svc:prv hhld/clean/bldg	83	77	78	83	87	84	93	77	65	58
06.Svc:protection	124	125	122	165	154	150	165	146	127	117
07.Svc:food prep	260	252	224	291	254	231	272	239	212	189
08.Health svc	158	154	143	203	189	177	207	178	159	144
09.Personal svc	442	441	441	535	512	480	575	486	443	386
10.Farming/forestry/fishing	271	289	278	363	336	305	339	293	259	224
11.Mechanics/repair	344	344	344	442	402	384	456	417	364	329
12.Constr trade/extractors	346	323	318	432	403	359	433	386	350	305
13.Precision production	386	384	373	463	424	392	426	399	342	302
14.Operators: machine	766	746	692	871	767	711	779	695	618	529
15.Operators: transport, et	472	464	426	544	523	472	523	452	400	354
16.Operators: handlers, etc	243	220	205	270	242	235	298	270	235	209
17.Member of Armed Forces	141	127	112	115	110	99	111	93	86	74

Value	w11	w12	w13
.B=Other Census code	4081	3827	5640
.M=Oth missing	1169	994	1037
.Q=Not asked this wv	67	35	18
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
01.Managerial specialty ope	1146	1008	818
02.Prof specialty opr/tech	1320	1179	988
03.Sales	712	611	510
04.Clerical/admin supp	1130	950	788
05.Svc:prv hhld/clean/bldg	54	48	42
06.Svc:protection	106	88	73
07.Svc:food prep	164	148	114
08.Health svc	135	117	102
09.Personal svc	343	272	236
10.Farming/forestry/fishing	192	154	130
11.Mechanics/repair	291	234	201
12.Constr trade/extractors	274	234	196
13.Precision production	266	230	190
14.Operators: machine	473	397	312
15.Operators: transport, et	307	258	201
16.Operators: handlers, etc	189	164	131
17.Member of Armed Forces	69	64	52

RwJLOCCA: Long Job Occup/Ahead coding

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	68	2719	2254	1835	1574	1290	1071	891	711	535
.Q=Not asked this wv	12543	11420	10964	15433	14578	14058	16764	15769	15075	20508
.R=RF		20	13	9	8	6	5	5	4	4
01.Professional/technical w	6	806	713	627	544	459	369	296	239	178
02.Managers/officials/propr	5	740	645	539	450	365	295	230	188	116
03.Clerical/kindred workers	5	881	797	682	579	509	432	357	300	208
04.Sales workers	2	400	359	333	280	238	195	155	129	94
05.Craftsmen/foremen/kindre	6	744	613	511	409	323	241	178	134	89
06.Operatives/kindred worke	11	902	750	621	510	391	320	244	179	118
07.Laborers/farm foremen	2	193	166	144	118	94	80	56	41	25
08.Svc workers	4	699	609	556	449	364	305	249	190	140
09.Farmers and farm manager		118	108	94	79	68	52	39	27	19

Value	w11	w12	w13
.M=Oth missing	413	301	188
.Q=Not asked this wv	19389	17903	20401
.R=RF	3	2	1
01.Professional/technical w	141	99	60
02.Managers/officials/propr	88	67	37
03.Clerical/kindred workers	169	125	75
04.Sales workers	69	53	35
05.Craftsmen/foremen/kindre	63	39	17
06.Operatives/kindred worke	85	57	35
07.Laborers/farm foremen	21	13	11
08.Svc workers	99	79	49
09.Farmers and farm manager	14	9	3

SwJLOCCA: Long Job Occup/Ahead coding

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	67	1208	962	694	545	424	320	244	180	112
.Q=Not asked this wv	9792	9125	8630	11180	10578	10021	11767	10879	10036	13158
.R=RF		14	11	8	7	6	4	3	2	2
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	200	95	536	311	220	380	317	365	722
01.Professional/technical w	6	474	407	336	264	214	171	124	91	60
02.Managers/officials/propr	5	498	429	330	256	192	144	95	65	31
03.Clerical/kindred workers	5	440	386	307	230	168	134	94	68	39
04.Sales workers	2	245	217	179	144	118	75	54	40	18
05.Craftsmen/foremen/kindre	6	503	413	316	238	171	115	77	52	32
06.Operatives/kindred worke	11	513	409	311	234	160	125	81	50	23
07.Laborers/farm foremen	2	116	96	84	58	36	27	21	17	9
08.Svc workers	4	254	207	176	125	87	59	39	27	18
09.Farmers and farm manager		84	72	59	51	42	31	24	18	11

Value	w11	w12	w13
.M=Oth missing	74	44	21
.Q=Not asked this wv	12261	10876	11725
.R=RF	2		
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
01.Professional/technical w	45	29	9
02.Managers/officials/propr	16	11	5
03.Clerical/kindred workers	22	14	5
04.Sales workers	7	4	3
05.Craftsmen/foremen/kindre	23	12	6
06.Operatives/kindred worke	14	6	2

07.Laborers/farm foremen	|	7	2	1
08.Svc workers	|	10	9	2
09.Farmers and farm manager	|	7	5	

RwJLOCCB: Long Job Occup/2000 Census

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code	|										
.M=Oth missing	|						2625	2271	2000	2770	
.P=From previous Census cod	|						12478	10557	9913	9184	
.Q=Not asked this wave	|						1157	870	671	439	
01.Management Occupations	|						509	586	576	958	
02.Business Oper-ns Special	|						66	93	80	171	
03.Financial Specialists	|						72	93	91	162	
04.Computer+Math Occs	|						56	66	62	154	
05.Architecture+Engineering	|						64	71	82	141	
06.Life/Physical/SocialSci	|						46	59	48	82	
07.Community+Social Svcs Oc	|						59	85	77	187	
08.Legal Occups	|						56	73	65	106	
09.Education/Training/Libra	|						219	327	327	570	
10.Arts/Design/Entertnmt Oc	|						64	70	61	147	
11.Hlthcare Practition/Tech	|						162	210	200	396	
12.Healthcare Support Occs	|						116	141	132	305	
13.Protective Service Occs	|						57	67	71	179	
14.Food Prep+Serving Occs	|						101	138	146	387	
15.Blding/Grounds/Clean/Mai	|						200	248	232	595	
16.Personal Care+Service Oc	|						160	191	202	467	
17.Sales Occups	|						395	458	462	872	
18.Office+Admin Support Occ	|						547	739	680	1359	
19.Farm/Fish/Forestry Occup	|						24	29	33	73	
20.Construction Trades	|						199	214	221	499	
21.Extraction Workers	|						5	6	5	5	
22.Install/Maint/Repair Wor	|						145	151	157	331	
23.Production Occups	|						345	406	380	829	
24.Transport/Material Movin	|						182	232	224	608	
25.Military Specific Occups	|						20	18	19	58	

Value	|	w11	w12	w13
.B=Other Census code	|	559	713	2709
.M=Oth missing	|	2465	2284	4525
.P=From previous Census cod	|	8540	7587	6453
.Q=Not asked this wave	|	320	219	128
01.Management Occupations	|	838	746	685
02.Business Oper-ns Special	|	159	149	118
03.Financial Specialists	|	152	142	120
04.Computer+Math Occs	|	122	105	99
05.Architecture+Engineering	|	122	111	100
06.Life/Physical/SocialSci	|	74	70	59
07.Community+Social Svcs Oc	|	168	147	127
08.Legal Occups	|	95	85	72
09.Education/Training/Libra	|	509	465	424
10.Arts/Design/Entertnmt Oc	|	135	133	117
11.Hlthcare Practition/Tech	|	371	345	307
12.Healthcare Support Occs	|	280	268	240
13.Protective Service Occs	|	157	147	134
14.Food Prep+Serving Occs	|	333	306	276
15.Blding/Grounds/Clean/Mai	|	548	504	449
16.Personal Care+Service Oc	|	416	395	368
17.Sales Occups	|	818	758	677
18.Office+Admin Support Occ	|	1237	1112	982
19.Farm/Fish/Forestry Occup	|	61	55	49
20.Construction Trades	|	452	421	374
21.Extraction Workers	|	6	5	5
22.Install/Maint/Repair Wor	|	282	263	236
23.Production Occups	|	745	684	622

24.Transport/Material Movin	|	535	477	409
25.Military Specific Occups	|	55	51	48

SwJLOCCB: Long Job Occup/2000 Census

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code	|										
.M=Oth missing	|							1342	1143	972	1414
.P=From previous Census cod	|							8383	6814	6168	5539
.Q=Not asked this wave	|							428	278	184	99
.U=Unmarried	|							6777	6417	6206	7799
.V=Spouse NR	|							380	317	365	722
01.Management Occupations	|							404	478	464	730
02.Business Oper-ns Special	|							55	70	64	121
03.Financial Specialists	|							59	68	72	124
04.Computer+Math Occs	|							44	51	47	99
05.Architecture+Engineering	|							52	57	69	113
06.Life/Physical/SocialSci	|							35	45	39	66
07.Community+Social Svcs Oc	|							36	58	54	109
08.Legal Occups	|							42	52	45	69
09.Education/Training/Libra	|							153	246	229	396
10.Arts/Design/Entertnmt Oc	|							51	51	47	100
11.Hlthcare Practition/Tech	|							116	155	139	246
12.Healthcare Support Occs	|							70	83	82	170
13.Protective Service Occs	|							45	51	42	109
14.Food Prep+Serving Occs	|							70	88	93	229
15.Blding/Grounds/Clean/Mai	|							127	157	139	353
16.Personal Care+Service Oc	|							109	127	126	269
17.Sales Occups	|							296	341	336	609
18.Office+Admin Support Occ	|							382	508	468	880
19.Farm/Fish/Forestry Occup	|							14	21	24	51
20.Construction Trades	|							150	173	176	362
21.Extraction Workers	|							3	5	3	4
22.Install/Maint/Repair Wor	|							121	126	125	240
23.Production Occups	|							245	305	271	549
24.Transport/Material Movin	|							125	169	152	423
25.Military Specific Occups	|							15	15	16	40

Value	|	w11	w12	w13
.B=Other Census code	|	407	515	1682
.M=Oth missing	|	1308	1207	2347
.P=From previous Census cod	|	4973	4146	3312
.Q=Not asked this wave	|	67	35	18
.U=Unmarried	|	7474	7125	8024
.V=Spouse NR	|	592	610	1109
01.Management Occupations	|	636	541	487
02.Business Oper-ns Special	|	110	100	78
03.Financial Specialists	|	115	107	87
04.Computer+Math Occs	|	79	67	62
05.Architecture+Engineering	|	96	83	74
06.Life/Physical/SocialSci	|	59	50	40
07.Community+Social Svcs Oc	|	102	89	80
08.Legal Occups	|	61	51	44
09.Education/Training/Libra	|	351	315	270
10.Arts/Design/Entertnmt Oc	|	88	80	74
11.Hlthcare Practition/Tech	|	225	210	179
12.Healthcare Support Occs	|	147	134	110
13.Protective Service Occs	|	99	94	81
14.Food Prep+Serving Occs	|	199	180	145
15.Blding/Grounds/Clean/Mai	|	325	290	254
16.Personal Care+Service Oc	|	235	211	192
17.Sales Occups	|	556	516	448
18.Office+Admin Support Occ	|	786	691	585
19.Farm/Fish/Forestry Occup	|	35	35	34
20.Construction Trades	|	335	299	254
21.Extraction Workers	|	4	3	3

22.Install/Maint/Repair Wor	|	202	188	168
23.Production Occups	|	488	434	383
24.Transport/Material Movin	|	360	304	252
25.Military Specific Occups	|	40	37	36

RwJLOCCC: Long Job Occup/2010 Census

Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing	|										3073
.P=From previous Census cod	|										12918
01.Management Occs	|										568
02.Business+Financial Oper-	|										210
03.Computer+Mathematical Oc	|										102
04.Architecture+Engineering	|										80
05.Life/Physical/SocialSci	|										46
06.Community+Social Service	|										127
07.Legal Occs	|										74
08.Education/Training/Libra	|										293
09.Arts/Design/Entertainmen	|										112
10.Healthcare Practitioners	|										236
11.Healthcare Support Occs	|										192
12.Protective Service Occs	|										119
13.Food Prep+Serving Relate	|										263
14.Building/Grounds Cleanin	|										404
15.Personal Care+Service Oc	|										322
16.Sales+Related Occs	|										544
17.Office+Administrative Su	|										789
18.Farming/Fishing/Forestry	|										45
19.Construction+Extraction	|										336
20.Installation/Maintenance	|										207
21.Production Occs	|										517
22.Transportation+Material	|										414
23.Military Specific Occs	|										43

Value	|	w11	w12	w13
.M=Oth missing	|	2536	2175	2281
.P=From previous Census cod	|	11875	10606	8640
01.Management Occs	|	583	541	924
02.Business+Financial Oper-	|	237	239	410
03.Computer+Mathematical Oc	|	96	96	191
04.Architecture+Engineering	|	77	70	136
05.Life/Physical/SocialSci	|	40	41	64
06.Community+Social Service	|	137	120	210
07.Legal Occs	|	70	64	97
08.Education/Training/Libra	|	306	304	548
09.Arts/Design/Entertainmen	|	115	115	165
10.Healthcare Practitioners	|	244	247	408
11.Healthcare Support Occs	|	196	202	337
12.Protective Service Occs	|	121	118	200
13.Food Prep+Serving Relate	|	263	252	466
14.Building/Grounds Cleanin	|	412	411	619
15.Personal Care+Service Oc	|	319	326	504
16.Sales+Related Occs	|	563	554	861
17.Office+Administrative Su	|	806	769	1322
18.Farming/Fishing/Forestry	|	41	44	70
19.Construction+Extraction	|	344	348	578
20.Installation/Maintenance	|	201	191	316
21.Production Occs	|	518	485	806
22.Transportation+Material	|	412	391	688
23.Military Specific Occs	|	42	38	71

SwJLOCCC: Long Job Occup/2010 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										1474
.P=From previous Census cod										8049
.U=Unmarried										7799
.V=Spouse NR										722
01.Management Occs										425
02.Business+Financial Oper-										147
03.Computer+Mathematical Oc										63
04.Architecture+Engineering										62
05.Life/Physical/SocialSci										38
06.Community+Social Service										66
07.Legal Occs										49
08.Education/Training/Libra										203
09.Arts/Design/Entertainmen										76
10.Healthcare Practitioners										138
11.Healthcare Support Occs										104
12.Protective Service Occs										73
13.Food Prep+Serving Relate										152
14.Building/Grounds Cleanin										257
15.Personal Care+Service Oc										182
16.Sales+Related Occs										377
17.Office+Administrative Su										508
18.Farming/Fishing/Forestry										33
19.Construction+Extraction										238
20.Installation/Maintenance										145
21.Production Occs										336
22.Transportation+Material										290
23.Military Specific Occs										28

Value	w11	w12	w13
.M=Oth missing	1211	1013	1044
.P=From previous Census cod	7140	6074	4645
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
01.Management Occs	454	412	626
02.Business+Financial Oper-	166	171	255
03.Computer+Mathematical Oc	61	67	132
04.Architecture+Engineering	64	55	93
05.Life/Physical/SocialSci	31	27	43
06.Community+Social Service	79	72	121
07.Legal Occs	46	37	61
08.Education/Training/Libra	219	206	350
09.Arts/Design/Entertainmen	71	68	93
10.Healthcare Practitioners	146	143	236
11.Healthcare Support Occs	107	104	169
12.Protective Service Occs	82	81	120
13.Food Prep+Serving Relate	158	147	242
14.Building/Grounds Cleanin	272	259	346
15.Personal Care+Service Oc	178	175	254
16.Sales+Related Occs	384	384	552
17.Office+Administrative Su	524	504	760
18.Farming/Fishing/Forestry	28	31	52
19.Construction+Extraction	256	247	387
20.Installation/Maintenance	144	135	221
21.Production Occs	356	316	502
22.Transportation+Material	283	258	427
23.Military Specific Occs	28	26	48

How Constructed

The occupation code for the job with the longest reported tenure is assigned once the job with the longest tenure is identified. It can be the current job, a past job held since the first HRS interview, or a job reported in the job history data. The job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

The occupation of jobs held since the first interview is usually available.

RwJLOCC is set to the occupation code associated with the longest-held job reported. RwJLOCCA is set to the AHEAD code for occupation if the longest-held job reported occupation in Wave 2A, 3A, or 4. RwJLOCCB is set to a Census 2000-based occupation code if the longest-held job reported occupation in Wave 7-10. RwJLOCCC is set to a Census 2010-based occupation code if the longest-held job reported occupation from Wave 10. Occupation codes are simply recoded for missing values.

In Wave 2A there is a question asked of some Respondents about the total years at the longest held job. If, after processing the current job and job history, R2JLTEN is less than the answer to this direct question, the direct question is used to set R2JLTEN, and the occupation associated with this job is used for R2JLOCCA forward. RwJLTENF is set to indicate if this replacement was done.

Since tenure at the longest-held job based on job history can not be modified using Wave 2A data, RwJLTENF is set to .Q for all Respondents who are not part of the AHEAD entry cohort to indicate that it is inapplicable for those cases.

The occupation codes differed between the AHEAD and other cohorts in Waves 2 and 3, and the AHEAD codes are not provided for other cohorts in any wave. For AHEAD Respondents both sets of codes are given in Wave 4 only. In each wave the unavailable set of codes is set to .Q for the appropriate variables, to indicate that the information is missing for this reason. Thus, for Waves 2H, 3H, and 4 RwJLOCCA is set to .Q for other cohorts. For Wave 1 and from Wave 5 on the AHEAD codes have been carried back or forward from Waves 2A, 3A or 4.

Beginning in Wave 7, HRS begins using a different set of occupation codes, based on the 2000 Census. Before Wave 7 there are 17 possible occupation codes; from Wave 7-10, there are 25 codes; from Wave 10 forwards, there are 23 codes. RwJLOCCB begins with R7JLOCCB and RwJLOCCC begins with R10JLOCCC.

If the longest-held job is not a job for which occupation is reported in Wave 7, then R7JLOCCB is set to .P, for occupation taken from prior wave and R7JLOCC provides the 1980 Census-based occupation. If the longest tenured job provides an occupation code in Wave 7 and is one that continues from prior wave, the Respondent may have values for both R7JLOCC and R7JLOCCB. If the longest tenured job's occupation is only reported in Wave 7, then R7JLOCC is set to .B, to indicate that the occupation code for the longest tenured job is taken from Wave 7 when HRS begins to use the 2000 Census industries, which R7JLOCCB provides. This applies to waves 7-10.

If the longest-held job is not a job for which occupation is reported in Wave 10, then R10JLOCCC is set to .P, for occupation taken from prior wave. R10JLOCC provides the 1980 Census-based occupation and R10JLOCCB provides the 2000 Census-based occupation. If the longest tenured job provides an occupation code in Wave 10 and is one that continues from prior wave, the Respondent may have values for both R10JLOCC and R10JLOCCB and R10JLOCCC. If the longest tenured job's occupation is only reported in Wave 10, then R10JLOCC and R10JLOCCB are set to .B, to indicate that the occupation code for the longest tenured job is taken from Wave 10 when HRS begins to use the 2010 Census industries, which R10JLOCCC provides. This applies from Wave 10.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLOCC, RwJLOCCA, RwJLOCCB, and RwJLOCCC.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions

on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about her/his last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of her/his current job if s/he is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Occupation codes for the AHEAD cohort (Waves 2A and 3A) differed from those collected from other cohorts. In Wave 4 only, both the AHEAD and HRS version of the codes are available for AHEAD Respondents, while only the HRS codes are available for other cohorts.

Before Wave 7, the occupation codes are based on 1980 Census occupations, assigned to one of 17 categories. From Wave 7-10, they are based on 2000 Census occupations, assigned to one of 24 categories. Beginning in Wave 10, they are based on 2010 Census occupations, assigned to one of 23 categories.

HRS Variables Used

HRS 1992:	
V3407	G5G6:OCC:1980 CENSUS OCC
V3432	G19:OCC:1980 CENSUS OCC
V3606	H5A6:OCC:1980 CENSUS OCC
AHEAD 1993:	
OCCG13B	G13. JOB LAST 2 YRS: OCCUPATION
OCCG23B	G23. LONGER JOB: OCCUPATION TYPE
OCCG3B	G3. CURRENT OCCUPATION
HRS 1994:	
W7007	G5/G6.OCCUPATION
W7107	H5a/H6.OCCUPATION
AHEAD 1995:	
D2820M	GA39/42. OCCUPATION
D3254M	GB15/16. OCCUPATION

HRS 1996:
E2666M G24/G25. CURRENT OCC
E2732M G41A/G42. OCC
E3134M GG3A/GG6. OCC
E3336M GH5/GH6. OCC
HRS 1998:
F3187AM G25.CURRENT OCC - AHD MASKED
F3187HM G25.CURRENT OCC - HRS MASKED
F3255AM G42.OCC - AHD MASKED
F3255HM G42.OCC - HRS MASKED
F3652AM GG6.OCC - AHD MASKED
F3652HM GG6.OCC - HRS MASKED
F3841AM GH6.OCC - AHD MASKED
F3841HM GH6.OCC - HRS MASKED
HRS 2000:
G3436M G25.CURRENT OCC - MASKED
G3505M G42.OCC - MASKED
G3962M GG6.OCC - MASKED
G4103M GH6.OCC - MASKED
HRS 2002:
HK007M TYPE WRK DONE - MASKED
HRS 2004:
JK008M_00 INDUSTRY 2000 Census- MASKED
JK010M_00 TYPE WRK DONE 2000 Census- MASKED
HRS 2010:
MJ062M_10 CURRENT WORK DONE 2010 Census- MASKED
MJ168M_10 TYPE WORK DONE 2010 Census- MASKED
HRS 2016:
PJK010M TYPE WRK DONE - MASKED
PJL015_1M TYPE WRK DONE - MASKED
PJL015_2M LONGEST HELD JOB TYPE WRK DONE - MASKED
HRS 2002-2004:
xJ061M CURRENT WORK DONE - MASKED
HRS 2002-2014:
xL015M TYPE WRK DONE - MASKED
HRS 2002-2016:
xJ168M OCCUPATION - MASKED
HRS 2004-2014:
xK010M TYPE WRK DONE - MASKED
HRS 2006-2012:
xJ062M CURRENT WORK DONE - MASKED

Industry code for job with longest tenure
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Wave	Variable	Label	Type
1	R1JLIND	R1JLIND:W1 Longest Job Industry/1980 Census	Categ
2	R2JLIND	R2JLIND:W2 Longest Job Industry/1980 Census	Categ
3	R3JLIND	R3JLIND:W3 Longest Job Industry/1980 Census	Categ
4	R4JLIND	R4JLIND:W4 Longest Job Industry/1980 Census	Categ
5	R5JLIND	R5JLIND:W5 Longest Job Industry/1980 Census	Categ
6	R6JLIND	R6JLIND:W6 Longest Job Industry/1980 Census	Categ
7	R7JLIND	R7JLIND:W7 Longest Job Industry/1980 Census	Categ
8	R8JLIND	R8JLIND:W8 Longest Job Industry/1980 Census	Categ
9	R9JLIND	R9JLIND:W9 Longest Job Industry/1980 Census	Categ
10	R10JLIND	R10JLIND:W10 Longest Job Industry/1980 Census	Categ
11	R11JLIND	R11JLIND:W11 Longest Job Industry/1980 Census	Categ
12	R12JLIND	R12JLIND:W12 Longest Job Industry/1980 Census	Categ
13	R13JLIND	R13JLIND:W13 Longest Job Industry/1980 Census	Categ
1	S1JLIND	S1JLIND:W1 Longest Job Industry/1980 Census	Categ
2	S2JLIND	S2JLIND:W2 Longest Job Industry/1980 Census	Categ
3	S3JLIND	S3JLIND:W3 Longest Job Industry/1980 Census	Categ
4	S4JLIND	S4JLIND:W4 Longest Job Industry/1980 Census	Categ
5	S5JLIND	S5JLIND:W5 Longest Job Industry/1980 Census	Categ
6	S6JLIND	S6JLIND:W6 Longest Job Industry/1980 Census	Categ
7	S7JLIND	S7JLIND:W7 Longest Job Industry/1980 Census	Categ
8	S8JLIND	S8JLIND:W8 Longest Job Industry/1980 Census	Categ
9	S9JLIND	S9JLIND:W9 Longest Job Industry/1980 Census	Categ
10	S10JLIND	S10JLIND:W10 Longest Job Industry/1980 Census	Categ
11	S11JLIND	S11JLIND:W11 Longest Job Industry/1980 Census	Categ
12	S12JLIND	S12JLIND:W12 Longest Job Industry/1980 Census	Categ
13	S13JLIND	S13JLIND:W13 Longest Job Industry/1980 Census	Categ
7	R7JLINDB	R7JLINDB:W7 Long Job Industry/2002 Census	Categ
8	R8JLINDB	R8JLINDB:W8 Long Job Industry/2002 Census	Categ
9	R9JLINDB	R9JLINDB:W9 Long Job Industry/2002 Census	Categ
10	R10JLINDB	R10JLINDB:W10 Long Job Industry/2002 Census	Categ
11	R11JLINDB	R11JLINDB:W11 Long Job Industry/2002 Census	Categ
12	R12JLINDB	R12JLINDB:W12 Long Job Industry/2002 Census	Categ
13	R13JLINDB	R13JLINDB:W13 Long Job Industry/2002 Census	Categ
7	S7JLINDB	S7JLINDB:W7 Long Job Industry/2002 Census	Categ
8	S8JLINDB	S8JLINDB:W8 Long Job Industry/2002 Census	Categ
9	S9JLINDB	S9JLINDB:W9 Long Job Industry/2002 Census	Categ
10	S10JLINDB	S10JLINDB:W10 Long Job Industry/2002 Census	Categ
11	S11JLINDB	S11JLINDB:W11 Long Job Industry/2002 Census	Categ
12	S12JLINDB	S12JLINDB:W12 Long Job Industry/2002 Census	Categ
13	S13JLINDB	S13JLINDB:W13 Long Job Industry/2002 Census	Categ
10	R10JLINDC	R10JLINDC:W10 Long Job Industry/2007 Census	Categ
11	R11JLINDC	R11JLINDC:W11 Long Job Industry/2007 Census	Categ
12	R12JLINDC	R12JLINDC:W12 Long Job Industry/2007 Census	Categ
13	R13JLINDC	R13JLINDC:W13 Long Job Industry/2007 Census	Categ
10	S10JLINDC	S10JLINDC:W10 Long Job Industry/2007 Census	Categ
11	S11JLINDC	S11JLINDC:W11 Long Job Industry/2007 Census	Categ
12	S12JLINDC	S12JLINDC:W12 Long Job Industry/2007 Census	Categ
13	S13JLINDC	S13JLINDC:W13 Long Job Industry/2007 Census	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLIND	11179	7.41	3.77	1.0	13.0
R2JLIND	11634	7.50	3.79	1.0	13.0
R3JLIND	11213	7.53	3.78	1.0	13.0

R4JLIND	15240	7.58	3.77	1.0	13.0
R5JLIND	14306	7.62	3.77	1.0	13.0
R6JLIND	13742	7.67	3.78	1.0	13.0
R7JLIND	16040	7.71	3.78	1.0	13.0
R8JLIND	14824	7.75	3.77	1.0	13.0
R9JLIND	13941	7.78	3.77	1.0	13.0
R10JLIND	12909	7.81	3.76	1.0	13.0
R11JLIND	12008	7.87	3.75	1.0	13.0
R12JLIND	10794	7.90	3.75	1.0	13.0
R13JLIND	9340	7.94	3.74	1.0	13.0
S1JLIND	8793	7.27	3.78	1.0	13.0
S2JLIND	8770	7.33	3.81	1.0	13.0
S3JLIND	8332	7.35	3.80	1.0	13.0
S4JLIND	10874	7.41	3.79	1.0	13.0
S5JLIND	10180	7.47	3.80	1.0	13.0
S6JLIND	9586	7.49	3.80	1.0	13.0
S7JLIND	11065	7.54	3.80	1.0	13.0
S8JLIND	9993	7.56	3.80	1.0	13.0
S9JLIND	9097	7.59	3.80	1.0	13.0
S10JLIND	8179	7.63	3.79	1.0	13.0
S11JLIND	7361	7.69	3.79	1.0	13.0
S12JLIND	6324	7.71	3.78	1.0	13.0
S13JLIND	5216	7.74	3.79	1.0	13.0
R7JLINDB	3734	10.49	5.15	1.0	19.0
R8JLINDB	3624	10.56	5.15	1.0	19.0
R9JLINDB	4593	10.80	5.12	1.0	19.0
R10JLINDB	9583	10.83	5.09	1.0	19.0
R11JLINDB	8857	10.84	5.07	1.0	19.0
R12JLINDB	8250	10.86	5.05	1.0	19.0
R13JLINDB	7437	10.88	5.04	1.0	19.0
S7JLINDB	2718	10.23	5.16	1.0	19.0
S8JLINDB	2687	10.30	5.19	1.0	19.0
S9JLINDB	3303	10.52	5.13	1.0	19.0
S10JLINDB	6423	10.51	5.09	1.0	19.0
S11JLINDB	5856	10.54	5.07	1.0	19.0
S12JLINDB	5328	10.57	5.06	1.0	19.0
S13JLINDB	4647	10.55	5.06	1.0	19.0
R10JLINDC	5971	10.80	5.08	1.0	19.0
R11JLINDC	6012	10.85	5.04	1.0	19.0
R12JLINDC	5814	10.92	5.04	1.0	19.0
R13JLINDC	9980	11.03	5.00	1.0	19.0
S10JLINDC	3932	10.48	5.09	1.0	19.0
S11JLINDC	4042	10.57	5.06	1.0	19.0
S12JLINDC	3812	10.65	5.06	1.0	19.0
S13JLINDC	6087	10.76	5.03	1.0	19.0

Categorical Variable Codes

RwJLIND: Longest Job Industry/1980 Census

Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code	|							2	239	375	5722
.M=Oth missing	|	1432	4342	3840	3931	3445	2960	2930	2536	2230	2964
.Q=Not asked this wv	|	41	3666	2938	2213	1827	1463	1157	870	671	439
01.Agric/Forest/Fish	|	349	378	376	501	469	441	505	445	420	383
02.Mining and Constr	|	705	709	664	864	806	758	898	809	757	688
03.Mnfg: Non-durable	|	1007	998	927	1253	1159	1137	1294	1169	1069	977
04.Mnfg: Durable	|	1417	1448	1386	1873	1721	1641	1840	1703	1582	1426
05.Transportation	|	889	902	879	1136	1054	989	1208	1109	1038	985
06.Wholesale	|	400	403	403	511	476	444	538	494	473	451
07.Retail	|	1379	1407	1333	1855	1736	1600	1807	1668	1576	1427
08.Finan/Ins/RealEs	|	628	663	646	910	874	863	1002	943	891	856
09.Busns/Repair Svc	|	506	501	496	707	668	638	796	751	707	669
10.Personal Service	|	534	586	586	776	718	706	814	729	676	623
11.Entertn/Recreatn	|	126	133	133	193	185	193	219	202	185	170
12.Prof/Related Svcs	|	2560	2809	2732	3778	3605	3518	4144	3919	3708	3491
13.Public Administration	|	679	697	652	883	835	814	975	883	859	763

Value		w11	w12	w13
.B=Other Census code	|	5746	5558	9123
.M=Oth missing	|	2480	2176	2321
.Q=Not asked this wv	|	320	219	128
01.Agric/Forest/Fish	|	340	287	260
02.Mining and Constr	|	618	550	458
03.Mnfg: Non-durable	|	925	840	713
04.Mnfg: Durable	|	1303	1158	970
05.Transportation	|	879	786	688
06.Wholesale	|	412	374	326
07.Retail	|	1325	1181	1017
08.Finan/Ins/RealEs	|	806	738	633
09.Busns/Repair Svc	|	622	564	493
10.Personal Service	|	584	511	447
11.Entertn/Recreatn	|	152	132	125
12.Prof/Related Svcs	|	3323	3028	2664
13.Public Administration	|	719	645	546

SwJLIND: Longest Job Industry/1980 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code							1	213	312	3751
.M=Oth missing	1066	2358	2068	2070	1763	1474	1478	1251	1053	1484
.Q=Not asked this wv	41	1962	1517	1036	787	579	428	278	184	99
.U=Unmarried	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	379	584	417	536	311	220	380	317	365	722
01.Agric/Forest/Fish	292	307	301	382	356	331	369	319	294	256
02.Mining and Constr	592	584	544	682	644	591	691	626	563	498
03.Mnfg: Non-durable	797	765	704	923	841	799	902	798	707	625
04.Mnfg: Durable	1169	1167	1094	1417	1281	1210	1344	1226	1102	972
05.Transportation	730	716	680	846	796	738	891	804	743	672
06.Wholesale	326	324	325	403	374	341	410	368	336	313
07.Retail	1100	1058	988	1286	1197	1102	1229	1092	986	858
08.Finan/Ins/RealEs	491	502	479	659	620	594	672	621	586	548
09.Busns/Repair Svc	381	358	360	501	474	456	553	510	463	432
10.Personal Service	358	347	344	419	394	380	432	372	326	292
11.Entertn/Recreatn	89	84	82	117	113	121	135	124	105	92
12.Prof/Related Svcs	1923	2013	1935	2601	2479	2345	2764	2539	2322	2120
13.Public Administration	545	545	496	638	611	578	673	594	564	501

Value	w11	w12	w13
.B=Other Census code	3852	3614	5476
.M=Oth missing	1208	1039	1069
.Q=Not asked this wv	67	35	18
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
01.Agric/Forest/Fish	223	182	156
02.Mining and Constr	431	367	302
03.Mnfg: Non-durable	577	497	407
04.Mnfg: Durable	848	733	586
05.Transportation	580	487	413
06.Wholesale	278	244	198
07.Retail	768	654	520
08.Finan/Ins/RealEs	509	445	371
09.Busns/Repair Svc	401	347	292
10.Personal Service	269	231	192
11.Entertn/Recreatn	80	66	60
12.Prof/Related Svcs	1936	1677	1394
13.Public Administration	461	394	325

RwJLINDB: Long Job Industry/2002 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							2683	2325	2045	2812
.P=From previous Census cod							12555	11650	9908	9200
.Q=Not asked this wv							1157	870	671	439
01.Agric/Forest/Fish/Huntin							97	94	108	170
02.Mining							17	18	23	40
03.Utilities							48	45	62	111
04.Construction							254	245	271	605
05.Manufacturing (continued							602	562	667	1422
06.Wholesale Trade							136	122	152	314
07.Retail Trade							293	301	383	810
08.Transport/Warehousing							158	155	195	471
09.Information							98	86	115	232
10.Finance/Insurance							165	161	199	362
11.Real Estate/Rental/Leasi							112	111	127	247
12.Prof/Scientific/Tech Svc							192	192	233	441
13.Mgmnt/Admin/Support/Wast							128	123	132	370
14.Educational Services							319	316	472	836
15.Health Care/Social Assis							481	460	644	1430
16.Arts/Entertain/Recreatio							67	68	73	173
17.Accomodations/Food Svcs							139	129	186	468
18.Other Svcs/Except PubAdm							250	265	309	588
19.PubAdmin/Active Duty Mil							178	171	242	493

Value	w11	w12	w13
.B=Other Census code	326	362	2324
.M=Oth missing	2497	2319	4562
.P=From previous Census cod	8554	7597	6461
.Q=Not asked this wv	320	219	128
01.Agric/Forest/Fish/Huntin	142	125	108
02.Mining	36	31	30
03.Utilities	105	99	89
04.Construction	555	510	450
05.Manufacturing (continued	1301	1222	1105
06.Wholesale Trade	298	277	244
07.Retail Trade	771	707	627
08.Transport/Warehousing	431	400	354
09.Information	210	192	174
10.Finance/Insurance	340	321	303
11.Real Estate/Rental/Leasi	239	221	203
12.Prof/Scientific/Tech Svc	406	379	342
13.Mgmnt/Admin/Support/Wast	335	316	280
14.Educational Services	780	741	691
15.Health Care/Social Assis	1323	1250	1124
16.Arts/Entertain/Recreatio	162	149	135
17.Accomodations/Food Svcs	424	390	353
18.Other Svcs/Except PubAdm	540	496	447
19.PubAdmin/Active Duty Mil	459	424	378

SwJLINDB: Long Job Industry/2002 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.B=Other Census code										
.M=Oth missing							1368	1166	989	1437
.P=From previous Census cod							8458	7604	6170	5554
.Q=Not asked this wv							428	278	184	99
.U=Unmarried							6777	6417	6206	7799
.V=Spouse NR							380	317	365	722
01.Agric/Forest/Fish/Huntin							79	78	87	128
02.Mining							15	18	20	33
03.Utilities							39	37	52	87
04.Construction							200	200	216	446
05.Manufacturing (continued							462	443	503	1016
06.Wholesale Trade							100	93	106	227
07.Retail Trade							218	220	276	537
08.Transport/Warehousing							115	115	147	326
09.Information							63	54	75	152
10.Finance/Insurance							128	125	155	265
11.Real Estate/Rental/Leasi							78	78	96	173
12.Prof/Scientific/Tech Svc							146	141	175	319
13.Mgmnt/Admin/Support/Wast							86	87	91	232
14.Educational Services							235	242	343	571
15.Health Care/Social Assis							313	303	412	841
16.Arts/Entertain/Recreatio							52	54	57	114
17.Accomodations/Food Svcs							93	92	123	285
18.Other Svcs/Except PubAdm							178	192	209	360
19.PubAdmin/Active Duty Mil							118	115	160	311

Value	w11	w12	w13
.B=Other Census code	257	272	1427
.M=Oth missing	1315	1219	2364
.P=From previous Census cod	4993	4158	3323
.Q=Not asked this wv	67	35	18
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
01.Agric/Forest/Fish/Huntin	101	94	80
02.Mining	29	22	21
03.Utilities	78	73	67
04.Construction	418	370	318
05.Manufacturing (continued	901	820	732
06.Wholesale Trade	217	197	172
07.Retail Trade	496	444	385
08.Transport/Warehousing	292	264	210
09.Information	138	125	113
10.Finance/Insurance	252	236	215
11.Real Estate/Rental/Leasi	165	149	135
12.Prof/Scientific/Tech Svc	292	263	227
13.Mgmnt/Admin/Support/Wast	215	198	176
14.Educational Services	529	491	436
15.Health Care/Social Assis	754	700	592
16.Arts/Entertain/Recreatio	98	86	76
17.Accomodations/Food Svcs	256	235	197
18.Other Svcs/Except PubAdm	331	297	263
19.PubAdmin/Active Duty Mil	294	264	232

RwJLINDC: Long Job Industry/2007 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										3115
.P=From previous Census cod										12948
01.Agric/Forest/Fish/Huntin										112
02.Mining										19
03.Utilities										58
04.Construction										402
05.Manufacturing (continued										871
06.Wholesale Trade										196
07.Retail Trade										513
08.Transport/Warehousing										309
09.Information										138
10.Finance/Insurance										214
11.Real Estate/Rental/Leasi										158
12.Prof/Scientific/Tech Svc										301
13.Mgmnt/Admin/Support/Wast										266
14.Educational Services										424
15.Health Care/Social Assis										904
16.Arts/Entertain/Recreatio										118
17.Accomodations/Food Svcs										309
18.Other Svcs/Except PubAdm										375
19.PubAdmin/Active Duty Mil										284
Value	w11	w12	w13							
.M=Oth missing	2567	2208	2314							
.P=From previous Census cod	11975	10725	8618							
01.Agric/Forest/Fish/Huntin	102	98	129							
02.Mining	16	11	30							
03.Utilities	54	50	83							
04.Construction	407	387	649							
05.Manufacturing (continued	852	816	1383							
06.Wholesale Trade	210	198	315							
07.Retail Trade	507	485	803							
08.Transport/Warehousing	319	308	537							
09.Information	129	126	211							
10.Finance/Insurance	218	214	405							
11.Real Estate/Rental/Leasi	167	154	241							
12.Prof/Scientific/Tech Svc	313	295	494							
13.Mgmnt/Admin/Support/Wast	267	262	445							
14.Educational Services	436	429	852							
15.Health Care/Social Assis	930	920	1586							
16.Arts/Entertain/Recreatio	122	116	185							
17.Accomodations/Food Svcs	311	303	567							
18.Other Svcs/Except PubAdm	376	370	561							
19.PubAdmin/Active Duty Mil	276	272	504							

SwJLINDC: Long Job Industry/2007 Census

Value	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.M=Oth missing										1496
.P=From previous Census cod										8085
.U=Unmarried										7799
.V=Spouse NR										722
01.Agric/Forest/Fish/Huntin										88
02.Mining										17
03.Utilities										46
04.Construction										285
05.Manufacturing (continued										610
06.Wholesale Trade										134
07.Retail Trade										336
08.Transport/Warehousing										207
09.Information										92
10.Finance/Insurance										151
11.Real Estate/Rental/Leasi										116
12.Prof/Scientific/Tech Svc										222
13.Mgmt/Admin/Support/Wast										163
14.Educational Services										280
15.Health Care/Social Assis										513
16.Arts/Entertain/Recreatio										79
17.Accomodations/Food Svcs										186
18.Other Svcs/Except PubAdm										232
19.PubAdmin/Active Duty Mil										175

Value	w11	w12	w13
.M=Oth missing	1217	1026	1059
.P=From previous Census cod	7229	6174	4633
.U=Unmarried	7474	7125	8024
.V=Spouse NR	592	610	1109
01.Agric/Forest/Fish/Huntin	77	76	92
02.Mining	14	10	20
03.Utilities	41	37	58
04.Construction	299	274	443
05.Manufacturing (continued	607	558	887
06.Wholesale Trade	152	138	209
07.Retail Trade	337	316	497
08.Transport/Warehousing	214	200	305
09.Information	89	88	149
10.Finance/Insurance	160	159	248
11.Real Estate/Rental/Leasi	122	115	154
12.Prof/Scientific/Tech Svc	228	210	319
13.Mgmt/Admin/Support/Wast	176	163	263
14.Educational Services	291	276	529
15.Health Care/Social Assis	545	526	865
16.Arts/Entertain/Recreatio	74	70	108
17.Accomodations/Food Svcs	194	188	301
18.Other Svcs/Except PubAdm	246	235	343
19.PubAdmin/Active Duty Mil	176	173	297

How Constructed

The industry code for the job with the longest reported tenure is assigned once the job with the longest tenure is identified. It can be the current job, a past job held since the first interview, or a job reported in the job history data. The job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

The industry of any job held in Waves 1, 2H, 3H and 4 is usually available. In Waves 2A and 3A, industry information is NOT collected for any job.

RwJLIND is set to the industry code associated with the longest-held job reported. Industry codes are simply recoded for missing values.

From Wave 7-10, HRS uses a different set of industry codes, based on the 2002 Census. And from Wave 10 forward, HRS uses a set of industry codes based on the 2007 Census. Before Wave 7 there are 13 possible industry codes; from Wave 7 forward, there are 19 codes. RwJLINDB begins with R7JLINDB and provides the 2002 code set. RwJLINDC begins with R10JLINDC and provides the 2007 code set.

If the longest tenured job is not a job for which industry is reported in Wave 7, then R7JLINDB is set to .P, for industry taken from prior wave and R7JLIND provides the 1980 Census-based industry. If the longest tenured job provides an industry code in Wave 7 and is one that continues from prior wave, the Respondent may have values for both R7JLIND and R7JLINDB. If the longest tenured job's industry is only reported in Wave 7, then R7JLIND is set to .B, to indicate that the industry code for the longest tenured job is taken from Wave 7 when HRS begins to use the 2002 Census industries, which R7JLINDB provides.

If the longest tenured job is not a job for which industry is reported in Wave 10, then R10JLINDC is set to .P, for industry taken from prior wave and R10JLIND provides the 1980 Census-based industry or R10JLINDB provides the 2002 Census-based industry code. If the longest tenured job provides an industry code in Wave 10 and is one that continues from prior wave, the Respondent may have values for R10JLIND, R10JLINDB and R10JLINDC. If the longest tenured job's industry is only reported in Wave 10, then R10JLIND and R10JLINDB are set to .B, to indicate that the industry code for the longest tenured job is taken from Wave 10 when HRS begins to use the 2007 Census industries, which R10JLINDC provides.

The spouse variable is taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLIND , RwJLINDB and RwJLINDC.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about her/his last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview questions ask the start date, industry, and occupation of her/his current job if s/he is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation,

and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

Before Wave 7, the industry codes are based on those used in the 1980 Census, assigned to one of 13 categories. From Wave 7-10, they are based on 2002 Census industries, assigned to one of 19 categories. From Wave 10 forward, they are based on 2007 Census industries, also assigned to one of 19 categories.

HRS Variables Used

HRS 1992:	
V3406	G4:IND:1980 CENSUS IND
V3431	G18:IND:1980 CENSUS IND
V3605	H5:IND:1980 CENSUS IND
HRS 1994:	
W7006	G4.INDUSTRY
W7106	H5.INDUSTRY
HRS 1996:	
E2730M	G41A/G42. IND
E3131M	GG3A/GG6. IND
E3334M	GH5/GH6. IND
HRS 1998:	
F3253M	G41A.IND - MASKED
F3650M	GG4.IND - MASKED
F3839M	GH5.IND - MASKED
HRS 2000:	
G3503M	G41A.IND - MASKED
G3960M	GG4.IND - MASKED
G4101M	GH5.IND - MASKED
HRS 2004:	
JJ166M_00	WORK IN WHAT INDUSTRY 2000 Census-MASKED
JL013M_00	INDUSTRY 2000 Census- MASKED
HRS 2010:	
MJ166M_10	WORK IN WHAT INDUSTRY 2007 Census-MASKED
ML013M_10	INDUSTRY 2007 Census - MASKED
HRS 2016:	
PJK008M	INDUSTRY - MASKED
PJL013_1M	INDUSTRY - MASKED
PJL013_2M	LONGEST HELD JOB INDUSTRY - MASKED
HRS 2002-2014:	
xL013M	INDUSTRY - MASKED
HRS 2002-2016:	
xJ166M	WORK IN WHAT INDUSTRY - MASKED
HRS 2004-2014:	
xK008M	INDUSTRY - MASKED

Job History Status

Wave	Variable	Label	Type
1	R1JJOBS	R1JJOBS:W1 Status of R Job History	Categ
2	R2JJOBS	R2JJOBS:W2 Status of R Job History	Categ
3	R3JJOBS	R3JJOBS:W3 Status of R Job History	Categ
4	R4JJOBS	R4JJOBS:W4 Status of R Job History	Categ
5	R5JJOBS	R5JJOBS:W5 Status of R Job History	Categ
6	R6JJOBS	R6JJOBS:W6 Status of R Job History	Categ
7	R7JJOBS	R7JJOBS:W7 Status of R Job History	Categ
8	R8JJOBS	R8JJOBS:W8 Status of R Job History	Categ
9	R9JJOBS	R9JJOBS:W9 Status of R Job History	Categ
10	R10JJOBS	R10JJOBS:W10 Status of R Job History	Categ
11	R11JJOBS	R11JJOBS:W11 Status of R Job History	Categ
12	R12JJOBS	R12JJOBS:W12 Status of R Job History	Categ
13	R13JJOBS	R13JJOBS:W13 Status of R Job History	Categ
1	S1JJOBS	S1JJOBS:W1 Status of S Job History	Categ
2	S2JJOBS	S2JJOBS:W2 Status of S Job History	Categ
3	S3JJOBS	S3JJOBS:W3 Status of S Job History	Categ
4	S4JJOBS	S4JJOBS:W4 Status of S Job History	Categ
5	S5JJOBS	S5JJOBS:W5 Status of S Job History	Categ
6	S6JJOBS	S6JJOBS:W6 Status of S Job History	Categ
7	S7JJOBS	S7JJOBS:W7 Status of S Job History	Categ
8	S8JJOBS	S8JJOBS:W8 Status of S Job History	Categ
9	S9JJOBS	S9JJOBS:W9 Status of S Job History	Categ
10	S10JJOBS	S10JJOBS:W10 Status of S Job History	Categ
11	S11JJOBS	S11JJOBS:W11 Status of S Job History	Categ
12	S12JJOBS	S12JJOBS:W12 Status of S Job History	Categ
13	S13JJOBS	S13JJOBS:W13 Status of S Job History	Categ
1	R1JNJOB	R1JNJOB:W1 # Jobs Reported	Cont
2	R2JNJOB	R2JNJOB:W2 # Jobs Reported	Cont
3	R3JNJOB	R3JNJOB:W3 # Jobs Reported	Cont
4	R4JNJOB	R4JNJOB:W4 # Jobs Reported	Cont
5	R5JNJOB	R5JNJOB:W5 # Jobs Reported	Cont
6	R6JNJOB	R6JNJOB:W6 # Jobs Reported	Cont
7	R7JNJOB	R7JNJOB:W7 # Jobs Reported	Cont
8	R8JNJOB	R8JNJOB:W8 # Jobs Reported	Cont
9	R9JNJOB	R9JNJOB:W9 # Jobs Reported	Cont
10	R10JNJOB	R10JNJOB:W10 # Jobs Reported	Cont
11	R11JNJOB	R11JNJOB:W11 # Jobs Reported	Cont
12	R12JNJOB	R12JNJOB:W12 # Jobs Reported	Cont
13	R13JNJOB	R13JNJOB:W13 # Jobs Reported	Cont
1	S1JNJOB	S1JNJOB:W1 # Jobs Reported	Cont
2	S2JNJOB	S2JNJOB:W2 # Jobs Reported	Cont
3	S3JNJOB	S3JNJOB:W3 # Jobs Reported	Cont
4	S4JNJOB	S4JNJOB:W4 # Jobs Reported	Cont
5	S5JNJOB	S5JNJOB:W5 # Jobs Reported	Cont
6	S6JNJOB	S6JNJOB:W6 # Jobs Reported	Cont
7	S7JNJOB	S7JNJOB:W7 # Jobs Reported	Cont
8	S8JNJOB	S8JNJOB:W8 # Jobs Reported	Cont
9	S9JNJOB	S9JNJOB:W9 # Jobs Reported	Cont
10	S10JNJOB	S10JNJOB:W10 # Jobs Reported	Cont
11	S11JNJOB	S11JNJOB:W11 # Jobs Reported	Cont
12	S12JNJOB	S12JNJOB:W12 # Jobs Reported	Cont
13	S13JNJOB	S13JNJOB:W13 # Jobs Reported	Cont
1	R1JMISS	R1JMISS:W1 # Jobs with missing dates	Cont
2	R2JMISS	R2JMISS:W2 # Jobs with missing dates	Cont
3	R3JMISS	R3JMISS:W3 # Jobs with missing dates	Cont
4	R4JMISS	R4JMISS:W4 # Jobs with missing dates	Cont
5	R5JMISS	R5JMISS:W5 # Jobs with missing dates	Cont
6	R6JMISS	R6JMISS:W6 # Jobs with missing dates	Cont
7	R7JMISS	R7JMISS:W7 # Jobs with missing dates	Cont
8	R8JMISS	R8JMISS:W8 # Jobs with missing dates	Cont
9	R9JMISS	R9JMISS:W9 # Jobs with missing dates	Cont
10	R10JMISS	R10JMISS:W10 # Jobs with missing dates	Cont

11	R11JMISS	R11JMISS:W11 # Jobs with missing dates	Cont
12	R12JMISS	R12JMISS:W12 # Jobs with missing dates	Cont
13	R13JMISS	R13JMISS:W13 # Jobs with missing dates	Cont
1	S1JMISS	S1JMISS:W1 # Jobs with missing dates	Cont
2	S2JMISS	S2JMISS:W2 # Jobs with missing dates	Cont
3	S3JMISS	S3JMISS:W3 # Jobs with missing dates	Cont
4	S4JMISS	S4JMISS:W4 # Jobs with missing dates	Cont
5	S5JMISS	S5JMISS:W5 # Jobs with missing dates	Cont
6	S6JMISS	S6JMISS:W6 # Jobs with missing dates	Cont
7	S7JMISS	S7JMISS:W7 # Jobs with missing dates	Cont
8	S8JMISS	S8JMISS:W8 # Jobs with missing dates	Cont
9	S9JMISS	S9JMISS:W9 # Jobs with missing dates	Cont
10	S10JMISS	S10JMISS:W10 # Jobs with missing dates	Cont
11	S11JMISS	S11JMISS:W11 # Jobs with missing dates	Cont
12	S12JMISS	S12JMISS:W12 # Jobs with missing dates	Cont
13	S13JMISS	S13JMISS:W13 # Jobs with missing dates	Cont
1	R1JNJOB5	R1JNJOB5:W1 # 5+ year-jobs reported	Cont
2	R2JNJOB5	R2JNJOB5:W2 # 5+ year-jobs reported	Cont
3	R3JNJOB5	R3JNJOB5:W3 # 5+ year-jobs reported	Cont
4	R4JNJOB5	R4JNJOB5:W4 # 5+ year-jobs reported	Cont
5	R5JNJOB5	R5JNJOB5:W5 # 5+ year-jobs reported	Cont
6	R6JNJOB5	R6JNJOB5:W6 # 5+ year-jobs reported	Cont
7	R7JNJOB5	R7JNJOB5:W7 # 5+ year-jobs reported	Cont
8	R8JNJOB5	R8JNJOB5:W8 # 5+ year-jobs reported	Cont
9	R9JNJOB5	R9JNJOB5:W9 # 5+ year-jobs reported	Cont
10	R10JNJOB5	R10JNJOB5:W10 # 5+ year-jobs reported	Cont
11	R11JNJOB5	R11JNJOB5:W11 # 5+ year-jobs reported	Cont
12	R12JNJOB5	R12JNJOB5:W12 # 5+ year-jobs reported	Cont
13	R13JNJOB5	R13JNJOB5:W13 # 5+ year-jobs reported	Cont
1	S1JNJOB5	S1JNJOB5:W1 # 5+ year-jobs reported	Cont
2	S2JNJOB5	S2JNJOB5:W2 # 5+ year-jobs reported	Cont
3	S3JNJOB5	S3JNJOB5:W3 # 5+ year-jobs reported	Cont
4	S4JNJOB5	S4JNJOB5:W4 # 5+ year-jobs reported	Cont
5	S5JNJOB5	S5JNJOB5:W5 # 5+ year-jobs reported	Cont
6	S6JNJOB5	S6JNJOB5:W6 # 5+ year-jobs reported	Cont
7	S7JNJOB5	S7JNJOB5:W7 # 5+ year-jobs reported	Cont
8	S8JNJOB5	S8JNJOB5:W8 # 5+ year-jobs reported	Cont
9	S9JNJOB5	S9JNJOB5:W9 # 5+ year-jobs reported	Cont
10	S10JNJOB5	S10JNJOB5:W10 # 5+ year-jobs reported	Cont
11	S11JNJOB5	S11JNJOB5:W11 # 5+ year-jobs reported	Cont
12	S12JNJOB5	S12JNJOB5:W12 # 5+ year-jobs reported	Cont
13	S13JNJOB5	S13JNJOB5:W13 # 5+ year-jobs reported	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JJOB5	12652	2.09	1.36	0.0	9.0
R2JJOB5	19642	2.46	1.98	0.0	9.0
R3JJOB5	17991	2.44	1.94	0.0	9.0
R4JJOB5	21384	2.35	1.79	0.0	9.0
R5JJOB5	19578	2.36	1.79	0.0	9.0
R6JJOB5	18165	2.35	1.76	0.0	9.0
R7JJOB5	20129	2.27	1.64	0.0	9.0
R8JJOB5	18469	2.26	1.60	0.0	9.0
R9JJOB5	17217	2.24	1.55	0.0	9.0
R10JJOB5	22034	2.17	1.54	0.0	9.0
R11JJOB5	20554	2.15	1.46	0.0	9.0
R12JJOB5	18747	2.15	1.43	0.0	9.0
R13JJOB5	20912	2.10	1.37	0.0	9.0
S1JJOB5	9900	2.08	1.31	0.0	9.0

S2JJOBS	13090	2.34	1.75	0.0	9.0
S3JJOBS	11917	2.35	1.75	0.0	9.0
S4JJOBS	13980	2.29	1.63	0.0	9.0
S5JJOBS	12730	2.29	1.62	0.0	9.0
S6JJOBS	11639	2.28	1.59	0.0	9.0
S7JJOBS	12972	2.20	1.45	0.0	9.0
S8JJOBS	11735	2.19	1.42	0.0	9.0
S9JJOBS	10646	2.18	1.37	0.0	9.0
S10JJOBS	13513	2.13	1.38	0.0	9.0
S11JJOBS	12488	2.12	1.32	0.0	9.0
S12JJOBS	11012	2.12	1.29	0.0	9.0
S13JJOBS	11779	2.08	1.26	0.0	9.0
R1JNJOB	12652	1.76	1.08	0.0	6.0
R2JNJOB	19642	1.56	1.13	0.0	7.0
R3JNJOB	17991	1.67	1.21	0.0	8.0
R4JNJOB	21384	1.81	1.28	0.0	8.0
R5JNJOB	19578	1.91	1.36	0.0	9.0
R6JNJOB	18165	2.03	1.44	0.0	10.0
R7JNJOB	20129	2.09	1.47	0.0	10.0
R8JNJOB	18469	2.20	1.53	0.0	11.0
R9JNJOB	17217	2.28	1.58	0.0	11.0
R10JNJOB	22034	2.24	1.58	0.0	11.0
R11JNJOB	20554	2.34	1.61	0.0	12.0
R12JNJOB	18747	2.44	1.66	0.0	12.0
R13JNJOB	20912	2.42	1.66	0.0	12.0
S1JNJOB	9900	1.77	1.07	0.0	6.0
S2JNJOB	13090	1.67	1.14	0.0	7.0
S3JNJOB	11917	1.78	1.23	0.0	8.0
S4JNJOB	13980	1.91	1.28	0.0	8.0
S5JNJOB	12730	2.02	1.36	0.0	9.0
S6JNJOB	11639	2.15	1.45	0.0	10.0
S7JNJOB	12972	2.20	1.47	0.0	10.0
S8JNJOB	11735	2.31	1.54	0.0	11.0
S9JNJOB	10646	2.40	1.58	0.0	11.0
S10JNJOB	13513	2.32	1.57	0.0	11.0
S11JNJOB	12488	2.41	1.60	0.0	12.0
S12JNJOB	11012	2.51	1.65	0.0	12.0
S13JNJOB	11779	2.49	1.65	0.0	12.0
R1JMISS	12156	0.27	0.67	0.0	6.0
R2JMISS	14140	0.40	0.84	0.0	6.0
R3JMISS	13494	0.41	0.86	0.0	7.0
R4JMISS	17848	0.46	0.90	0.0	7.0
R5JMISS	16440	0.46	0.91	0.0	7.0
R6JMISS	15506	0.46	0.90	0.0	7.0
R7JMISS	17847	0.44	0.87	0.0	7.0
R8JMISS	16570	0.44	0.87	0.0	7.0
R9JMISS	15633	0.43	0.86	0.0	7.0
R10JMISS	20525	0.42	0.85	0.0	7.0
R11JMISS	19318	0.42	0.86	0.0	7.0
R12JMISS	17729	0.43	0.86	0.0	7.0
R13JMISS	20048	0.46	0.88	0.0	7.0
S1JMISS	9522	0.27	0.67	0.0	6.0
S2JMISS	10275	0.39	0.83	0.0	6.0
S3JMISS	9603	0.39	0.84	0.0	6.0
S4JMISS	12219	0.43	0.88	0.0	6.0

S5JMISS	11251	0.43	0.88	0.0	6.0
S6JMISS	10433	0.43	0.87	0.0	6.0
S7JMISS	11956	0.41	0.85	0.0	6.0
S8JMISS	10920	0.41	0.84	0.0	6.0
S9JMISS	9994	0.40	0.83	0.0	6.0
S10JMISS	12864	0.41	0.83	0.0	6.0
S11JMISS	11942	0.41	0.84	0.0	6.0
S12JMISS	10578	0.41	0.84	0.0	6.0
S13JMISS	11416	0.45	0.87	0.0	6.0
R1JNJOB5	12652	1.38	1.07	0.0	6.0
R2JNJOB5	19616	1.05	1.16	0.0	7.0
R3JNJOB5	17983	1.13	1.19	0.0	7.0
R4JNJOB5	21384	1.28	1.21	0.0	7.0
R5JNJOB5	19578	1.34	1.23	0.0	7.0
R6JNJOB5	18165	1.40	1.25	0.0	7.0
R7JNJOB5	20129	1.45	1.24	0.0	8.0
R8JNJOB5	18469	1.51	1.25	0.0	8.0
R9JNJOB5	17217	1.56	1.26	0.0	8.0
R10JNJOB5	22034	1.57	1.28	0.0	8.0
R11JNJOB5	20554	1.63	1.29	0.0	8.0
R12JNJOB5	18747	1.67	1.30	0.0	8.0
R13JNJOB5	20912	1.67	1.31	0.0	8.0
S1JNJOB5	9900	1.40	1.07	0.0	6.0
S2JNJOB5	13072	1.19	1.17	0.0	7.0
S3JNJOB5	11912	1.26	1.18	0.0	7.0
S4JNJOB5	13980	1.40	1.19	0.0	7.0
S5JNJOB5	12730	1.46	1.21	0.0	7.0
S6JNJOB5	11639	1.52	1.22	0.0	7.0
S7JNJOB5	12972	1.56	1.21	0.0	8.0
S8JNJOB5	11735	1.62	1.23	0.0	8.0
S9JNJOB5	10646	1.68	1.24	0.0	8.0
S10JNJOB5	13513	1.66	1.26	0.0	8.0
S11JNJOB5	12488	1.71	1.28	0.0	8.0
S12JNJOB5	11012	1.75	1.29	0.0	8.0
S13JNJOB5	11779	1.75	1.30	0.0	8.0

Categorical Variable Codes

RwJJOB5: Status of R Job History											
Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.Never worked	|	496	863	807	1030	872	757	811	705	637	1024
1.Worked, no 5+ year jobs	|	1237	1022	861	1086	980	884	1225	1055	966	1607
2.Worked, 1+ job for 5+ yrs	|	10365	15919	14687	17558	16154	15110	16769	15541	14589	18205
8.Worked, DK if any 5+ yr j	|	541	1015	998	1355	1237	1124	1072	971	865	898
9.DK if worked	|	13	823	638	355	335	290	252	197	160	300
Value	|	w11	w12	w13							
0.Never worked	|	896	758	940							
1.Worked, no 5+ year jobs	|	1447	1277	1661							
2.Worked, 1+ job for 5+ yrs	|	17169	15794	17411							
8.Worked, DK if any 5+ yr j	|	907	811	764							
9.DK if worked	|	135	107	136							
SwJJOB5: Status of S Job History											
Value	|	w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.Never worked	|	353	478	416	495	411	347	380	328	279	484
1.Worked, no 5+ year jobs	|	924	728	595	742	665	593	795	674	600	965
2.Worked, 1+ job for 5+ yrs	|	8214	10926	10012	11807	10813	9956	11115	10140	9270	11476
8.Worked, DK if any 5+ yr j	|	405	627	613	787	711	629	599	534	450	448
9.DK if worked	|	4	331	281	149	130	114	83	59	47	140
Value	|	w11	w12	w13							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.Never worked	|	424	348	418							
1.Worked, no 5+ year jobs	|	844	724	900							
2.Worked, 1+ job for 5+ yrs	|	10697	9496	10030							
8.Worked, DK if any 5+ yr j	|	471	405	381							
9.DK if worked	|	52	39	50							

How Constructed

RwJJOB5 gives the status of the Respondent's job history including jobs reported as current at interviews. RwJNJOB5 is the number of jobs the Respondent reports having through job history and job transition questions at each interview. RwJMISS is the number of these jobs that are missing dates, including jobs about which no questions are ever asked. RwJNJOB5 is the number of jobs the Respondent reports holding for 5 or more years, including those reported in job history, and through job transition questions.

SwJJOB5, SwJNJOB5, SwJMISS, and SwJNJOB5 are the same information for the Respondent's spouse or partner.

RwJJOB5 is a categorical variable which is set to "0" if the Respondent never reports working; "1" if the Respondent has worked but has a tenure of less than 5 years on all jobs; "2" if the Respondent has had at least one job lasting 5 or more years; "8" if the Respondent has worked but there is not enough information to determine whether any job lasted 5 or more years; and "9" when whether the Respondent ever worked is missing. It is based on examination of reports on numbers of jobs in job history and the lengths of those jobs, together with the jobs reported at each interview.

RwJNJOBS includes the job last worked, if the Respondent is unemployed at her/his first interview, the number of jobs lasting 5 or more years as reported in job history, and the current count of jobs observed at each interview. RwJMISS includes any jobs where the reported dates are missing. It also includes jobs for which no dates are asked. For example, if the Respondent reports having 7 jobs lasting 5 or more years in job history, the questions will ask for dates on at most 3 of these jobs, so RwJMISS would be at least 4.

RwJNJOB5 counts only those jobs that are determined to last 5 or more years. The length of a job is determined by examining start and stop dates, if available. If a Respondent reports having multiple 5-year jobs in job history, those for which dates are missing or not ascertained are counted. In some cases, an individual may report having a 5-year job, but when asked for the start and stop dates for the job, provides dates that are short of the 5-year period. Such jobs are NOT counted in RwJNJOB5.

The spouse variables are taken from the Wave "w" spouse's self-report, e.g., S3JJOBS is taken from the Wave 3 spouse's RwJJOBS.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about her/his last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so, they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of her/his current job if s/he is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same. Note that in Waves 2A and 3A, industry information is NOT collected for any job.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc. Wave 5 is preliminary data from which occupation and industry codes have been omitted.

HRS Variables Used**HRS 1992:**

V12717	F2:ANY WRK FOR PAY :IND
V12718	F3:WHO WORK FOR :IND
V2708	F1a:MONTH UNEMPLOYED
V2711	F1c:LAST WRK THIS JOB-MO
V2712	F1c:LAST WRK THIS JOB-YR
V2713	F1d:MO BECAME DISABLED
V2714	F1d:YR BECAME DISABLED
V2715	F1e:MONTH RETIRED
V2716	F1e:YEAR RETIRED
V2717	F2:ANY WRK FOR PAY :IMP
V2718	F3:WHO WORK FOR :IMP
V2816	F23:YR STARTED FOR EMPLR
V2834	F33:YR STRT THIS BUSINES
V3402	G1A:MO LST WRK W/PAY
V3403	G1A:YR LST WRK W/PAY
V3418	G13:YR STRT WRK JOB
V3442	G25:R/SE:YR STRT @ BUS.
V3604	H4:WHN STRT WRKNG JOB-YR
V3607	H7:YEAR STP WRKNG AT JB
V3704	H25:1ST:YR STRTD THERE
V3705	H26:1ST:YR LEFT THERE
V3804	H25:NXT:YR STRTD THERE
V3805	H26:NXT:YR LEFT THERE

AHEAD 1993:

B1174	G1. WORKING CURRENTLY?
B1175	G1a. WORK LAST 2 YRS?
B1178	G2. CURRENTLY SELF EMPLOYED
B1182	G4. CURRENT WORK START YEAR
B1183	G4. CURRENT WORK START YEARS AGO
B1184	G4. CURRENT WORK START AT AGE
B1207	G11. JOB LAST 2 YEARS: END MONTH
B1208	G11. JOB LAST 2 YEARS: END YEAR
B1221	G14. JOB LAST 2 YRS START YEAR
B1222	G14. JOB LAST 2 YRS START YEARS AGO
B1223	G14. JOB LAST 2 YRS START AT AGE
B1232	G20. EVER WORK 10/+ YRS?
B1235	G22. 10/+ YRS ONE EMP: # YEARS

HRS 1994:

W3307	FA1a.UNEMPLOYED-MONTH
W3308	FA1b.UNEMPLOYED-YEAR
W3310	FA1d.LAST WORKED ON JOB-
W3311	FA1e.LAST WORKED ON JOB-
W3312	FA1f.DISABLED-MONTH
W3313	FA1f.DISABLED-YEAR
W3314	FA1h.RETIRED-MONTH
W3315	FA1h.RETIRED-YEAR
W3316	FA2.WORKING FOR PAY
W3317	FA3.WORK FOR SOMEONE ELS
W3318	FA5.STOPPED WORKING FOR
W3319	FA5.STOPPED WORKING FOR
W3458	FA19.STILL WORKING FOR W
W3503	FA26.STOPPED WORKING FOR
W3504	FA26.STOPPED WORKING FOR
W3662	FA59.START WORK FOR EMPL
W3663	FA59.START WORK FOR EMPL
W4200	FB2.STOPPED WORK FOR EMP
W4201	FB2a.STOPPED WORK FOR EM

W4327	FB22.STARTED S-E WORK-MO
W4328	FB22a.STARTED S-E WORK-Y
W4800	FC2.MONTH STOPPED SELF-E
W4801	FC2a.YEAR STOPPED SELF-E
W4897	FC16.MONTH STOPPED WORK
W4898	FC16a.YEAR STOPPED WORK
W7002	G1a.LAST WORKED-YEAR
W7003	G1a.LAST WORKED-YEARS AG
W7004	G1a.LAST WORKED-MONTH
W7018	G13.START WORK-YEAR
W7019	G13.START WORK-YEARS AGO
W7020	G13.START WORK-AGE
W7103	H4.START WORK-YEAR
W7104	H4.START WORK-YEARS AGO
W7105	H4.START WORK-AGE
W7108	H7.LEFT EMPLOYER-YEAR
W7109	H7.LEFT EMPLOYER-YEARS A
W7110	H7.LEFT EMPLOYER-AGE
W7162	EMP1. H25.START WORK-YEA
W7163	EMP1. H26.LEFT EMPLOYER-
W7196	EMP2. H25.START WORK-YEA
W7197	EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2627	GA1A. WHEN BECAME UNEMPLOYED
D2628	GA1B. YEAR BECAME UNEMPLOYED
D2633	GA1D. MONTH LAST WORKED - TEMPORARY
D2634	GA1E. YEAR LAST WORKED - TEMPORARY
D2638	GA1F. MONTH DISABLED
D2639	GA1G. YEAR DISABLED
D2643	GA1J.YEAR RETIRED
D2644	GA1J.MONTH RETIRED
D2651	GA2.WORKING ANY CURRENT
D2653	GA3. SELF/OTHER EMPLOYED
D2654	GA5. MONTH STOPPED SELF-EMPL
D2655	GA5A. YEAR STOPPED SELF-EMPL
D2747	GA19. STILL WORKING SAME EMPLOYER
D2759	GA26. MONTH STOPPED WORKING WAVE I EMPLO
D2760	GA26A. YEAR STOPPED WORKING WAVE I EMPLO
D2831	GA43. MONTH STARTED CURRENT WORK
D2832	GA43A. YEAR STARTED CURRENT WORK
D3188	GB2. MONTH STOPPED SELF-EMPL
D3189	GB2A. YEAR STOPPED SELF-EMPL
D3545	GC2. MONTH STOPPED SELF-EMPL
D3546	GC2A. YEAR STOPPED SELF-EMPL
D3639	GC16. MONTH STOPPED WORKING WAVE I EMPLO
D3640	GC16A. YEAR STOPPED WORKING WAVE I EMPLO
HRS 1996:	
E2612	G1A.UNEMPLOYED-MONTH
E2613	G1B.UNEMPLOYED-YEAR
E2616	G1D.LAST WORKED ON JOB-MONTH
E2617	G1E.LAST WORKED ON JOB-YEAR
E2619	G1F.DISABLED-MONTH
E2620	G1G.DISABLED-YEAR
E2622	G1H.RETIRED-MONTH
E2623	G1J.RETIRED-YEAR
E2627	G2.WORKING FOR PAY

E2628	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
E2630	G5.STOPPED WORKING FOR SELF-MONTH
E2631	G5A.STOPPED WORKING FOR SELF-YEAR
E2654	G19A.STILL WORKNG FOR PREV WAVE EMPLOYER
E2655	G19B.STILL WORKING PREV EMPLOYER
E2667	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
E2668	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
E2825	G63.START WORK FOR EMPLOYER-MONTH
E2826	G63A.START WORK FOR EMPLOYER-YEAR
E3127	GG1A.LAST WORKED-YEAR
E3128	GG1A.LAST WORKED-YEARS AGO
E3129	GG1A.LAST WORKED-MONTH
E3146	GG13.START WORK-YEAR
E3147	GG13.START WORK-YEARS AGO
E3148	GG13.START WORK-AGE
E3329	GH4.START WORK-YEAR
E3330	GH4.START WORK-YEARS AGO
E3331	GH4.START WORK-AGE
E3337	GH7.LEFT EMPLOYER-YEAR
E3338	GH7.LEFT EMPLOYER-YEARS AGO
E3339	GH7.LEFT EMPLOYER-AGE
HRS 1998:	
F3116	G1A.UNEMPLOYED-MONTH
F3117	G1B.UNEMPLOYED-YEAR
F3120	G1D.LAST WORKED ON JOB-MONTH
F3121	G1E.LAST WORKED ON JOB-YEAR
F3123	G1F.DISABLED-MONTH
F3124	G1G.DISABLED-YEAR
F3126	G1H.RETIRED-MONTH
F3127	G1J.RETIRED-YEAR
F3131	G2.WORKING FOR PAY
F3132	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
F3134	G5.STOPPED WORKING FOR SELF-MONTH
F3135	G5A.STOPPED WORKING FOR SELF-YEAR
F3158	G19A.STILL WORKING FOR PREV WAVE EMPLOYE
F3166	G19B.STILL WORKING PREV EMPLOYER
F3188	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
F3189	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
F3348	G63.START WORK FOR EMPLOYER-MONTH
F3349	G63A.START WORK FOR EMPLOYER-YEAR
F3644	GG1A1.LAST WORKED WHEN-YEAR
F3645	GG1A2.LAST WORKED WHEN-YEARS AGO
F3647	GG1A.LAST WORKED-MONTH
F3664	GG13.START WORK-YEAR
F3665	GG13.START WORK-YEARS AGO
F3666	GG13.START WORK-AGE
F3834	GH4.START WORK-YEAR
F3835	GH4.START WORK-YEARS AGO
F3836	GH4.START WORK-AGE
F3842	GH7.LEFT EMPLOYER-YEAR
F3843	GH7.LEFT EMPLOYER-YEARS AGO
F3844	GH7.LEFT EMPLOYER-AGE
F3903_1	GH25.START WORK FOR EMPLOYER-YEAR
F3903_2	GH25.START WORK FOR EMPLOYER-YEAR
F3904_1	GH26.LEFT EMPLOYER-YEAR
F3904_2	GH26.LEFT EMPLOYER-YEAR
HRS 2000:	
G3366	G1A.UNEMPLOYED-MONTH
G3367	G1B.UNEMPLOYED-YEAR

G3370	G1D.LAST WORKED ON JOB-MONTH
G3371	G1E.LAST WORKED ON JOB-YEAR
G3373	G1F.DISABLED-MONTH
G3374	G1G.DISABLED-YEAR
G3376	G1H.RETIRED-MONTH
G3377	G1J.RETIRED-YEAR
G3381	G2.WORKING FOR PAY
G3382	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
G3384	G5.STOPPED WORKING FOR SELF-MONTH
G3385	G5A.STOPPED WORKING FOR SELF-YEAR
G3416	G19B.STILL WORKING PREV EMPLOYER
G3437	G26.STOP WORK PREV WAVE EMPLOYR-MO
G3438	G26A.STOP WORK PREV WAVE EMPLOYR-YR
G3607	G63.START WORK FOR EMPLOYER-MONTH
G3608	G63A.START WORK FOR EMPLOYER-YEAR
G3954	GG1A1.LAST WORKED WHEN-YEAR
G3955	GG1A2.LAST WORKED WHEN-YEARS AGO
G3957	GG1A.LAST WORKED-MONTH
G3974	GG13.START WORK-YEAR
G3975	GG13Y1. START WORK-YEARS AGO
G3976	GG13Y2. START WORK-AGE
G4096	GH4.START WORK-YEAR
G4097	GH4Y1. START WORK-YEARS AGO
G4098	GH4Y2. START WORK-AGE
G4105	GH7Y1. LEFT EMPLOYER-YEARS AGO
G4106	GH7Y2. LEFT EMPLOYER-AGE
G4176_1	GH25.START WORK FOR EMPLOYER-YEAR
G4176_2	GH25.START WORK FOR EMPLOYER-YEAR
G4177_1	GH26.LEFT EMPLOYER-YEAR
G4177_2	GH26.LEFT EMPLOYER-YEAR
HRS 2002:	
HK002	LAST WRKED WHEN-YR
HK018	START WRK-YR
HK019	START WRK-YRS AGO
HK020	START WRK- AT AGE
HL078_1	START WRK FOR EMP- INC PENSION- YR- 1
HL078_2	START WRK FOR EMP- INC PENSION- YR- 2
HL079_1	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
HL079_2	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2016:	
PJK003	WORK FOR PAY MORE THAN FEW MOS
PJK004	LAST WRKED WHEN-YR
PJK005	LAST WRKED WHEN-YRS AGO
PJK006	LAST WRKED-MO
PJK022	START WRK-YR
PJK023	START WRK-YRS AGO
PJK024	START WRK- AT AGE
PJL009_1	START WRK-YR
PJL009_2	LONGEST HELD JOB START WRK-YR
PJL010_1	START WORK-YRS AGO
PJL010_2	LONGEST HELD JOB START WORK-YRS AGO
PJL011_1	START WORK- AT AGE
PJL011_2	LONGEST HELD JOB START WORK- AT AGE
PJL017_1	LEFT EMPLOYER-YRS AGO
PJL017_2	LEFT LONGEST HELD JOB EMPLOYER-YRS AGO
PJL018_1	LEFT EMPLOYER- AT AGE
PJL018_2	LEFT LONGEST HELD JOB EMPLOYER- AT AGE
HRS 2002-2014:	
xK003	LAST WRKED WHEN-YRS AGO

xK004	LAST WRKED-MO
xL009	START WRK-YR
xL010	START WORK-YRS AGO
xL011	START WORK- AT AGE
xL017	LEFT EMPLOYER-YRS AGO
xL018	LEFT EMPLOYER- AT AGE
HRS 2002-2016:	
xJ007	MO UNEMPLOYED
xJ008	YR UNEMPLOYED
xJ011	MO LAST WORKED - LAID OFF
xJ012	YR LAST WORKED - LAID OFF
xJ014	DISABLED-MO
xJ015	DISABLED- YR
xJ017	RETIRED-MO
xJ018	RETIRED-YR
xJ020	WORKING FOR PAY
xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
xJ023	STOPPED WORKING FOR SLF-MO
xJ024	STOPPED WORKING FOR SLF- YR
xJ045	STILL WORKING PREV EMPLOYER
xJ063	STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
xJ064	STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
xJ248	MO-START WORK FOR CURRENT EMPLOYER
xJ249	YR-START WORK FOR CURRENT EMPLOYER
HRS 2004-2014:	
xK005	LAST WRKED WHEN-YRS AGO
xK006	LAST WRKED-MO
xK022	START WRK-YR
xK023	START WRK-YRS AGO
xK024	START WRK- AT AGE
xL034A	START WRK FOR EMP- INC PENSION- YR- 1
xL034B	START WRK FOR EMP- INC PENSION- YR- 2
xL035A	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
xL035B	LEFT EMPLOYER- INCLUDE PENSION- YR- 2

Total years worked from self report
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Wave	Variable	Label	Type
1	R1JYEARS	R1JYEARS:W1 R Years Worked/self-rpt+jobh	Cont
2	R2JYEARS	R2JYEARS:W2 R Years Worked/self-rpt+jobh	Cont
3	R3JYEARS	R3JYEARS:W3 R Years Worked/self-rpt+jobh	Cont
4	R4JYEARS	R4JYEARS:W4 R Years Worked/self-rpt+jobh	Cont
5	R5JYEARS	R5JYEARS:W5 R Years Worked/self-rpt+jobh	Cont
6	R6JYEARS	R6JYEARS:W6 R Years Worked/self-rpt+jobh	Cont
7	R7JYEARS	R7JYEARS:W7 R Years Worked/self-rpt+jobh	Cont
8	R8JYEARS	R8JYEARS:W8 R Years Worked/self-rpt+jobh	Cont
9	R9JYEARS	R9JYEARS:W9 R Years Worked/self-rpt+jobh	Cont
10	R10JYEARS	R10JYEARS:W10 R Years Worked/self-rpt+jobh	Cont
11	R11JYEARS	R11JYEARS:W11 R Years Worked/self-rpt+jobh	Cont
12	R12JYEARS	R12JYEARS:W12 R Years Worked/self-rpt+jobh	Cont
13	R13JYEARS	R13JYEARS:W13 R Years Worked/self-rpt+jobh	Cont
1	S1JYEARS	S1JYEARS:W1 S Years Worked/self-rpt+jobh	Cont
2	S2JYEARS	S2JYEARS:W2 S Years Worked/self-rpt+jobh	Cont
3	S3JYEARS	S3JYEARS:W3 S Years Worked/self-rpt+jobh	Cont
4	S4JYEARS	S4JYEARS:W4 S Years Worked/self-rpt+jobh	Cont
5	S5JYEARS	S5JYEARS:W5 S Years Worked/self-rpt+jobh	Cont
6	S6JYEARS	S6JYEARS:W6 S Years Worked/self-rpt+jobh	Cont
7	S7JYEARS	S7JYEARS:W7 S Years Worked/self-rpt+jobh	Cont
8	S8JYEARS	S8JYEARS:W8 S Years Worked/self-rpt+jobh	Cont
9	S9JYEARS	S9JYEARS:W9 S Years Worked/self-rpt+jobh	Cont
10	S10JYEARS	S10JYEARS:W10 S Years Worked/self-rpt+jobh	Cont
11	S11JYEARS	S11JYEARS:W11 S Years Worked/self-rpt+jobh	Cont
12	S12JYEARS	S12JYEARS:W12 S Years Worked/self-rpt+jobh	Cont
13	S13JYEARS	S13JYEARS:W13 S Years Worked/self-rpt+jobh	Cont
1	R1JYEARM	R1JYEARM:W1 R Years Worked/missing flag	Categ
2	R2JYEARM	R2JYEARM:W2 R Years Worked/missing flag	Categ
3	R3JYEARM	R3JYEARM:W3 R Years Worked/missing flag	Categ
4	R4JYEARM	R4JYEARM:W4 R Years Worked/missing flag	Categ
5	R5JYEARM	R5JYEARM:W5 R Years Worked/missing flag	Categ
6	R6JYEARM	R6JYEARM:W6 R Years Worked/missing flag	Categ
7	R7JYEARM	R7JYEARM:W7 R Years Worked/missing flag	Categ
8	R8JYEARM	R8JYEARM:W8 R Years Worked/missing flag	Categ
9	R9JYEARM	R9JYEARM:W9 R Years Worked/missing flag	Categ
10	R10JYEARM	R10JYEARM:W10 R Years Worked/missing flag	Categ
11	R11JYEARM	R11JYEARM:W11 R Years Worked/missing flag	Categ
12	R12JYEARM	R12JYEARM:W12 R Years Worked/missing flag	Categ
13	R13JYEARM	R13JYEARM:W13 R Years Worked/missing flag	Categ
1	S1JYEARM	S1JYEARM:W1 S Years Worked/missing flag	Categ
2	S2JYEARM	S2JYEARM:W2 S Years Worked/missing flag	Categ
3	S3JYEARM	S3JYEARM:W3 S Years Worked/missing flag	Categ
4	S4JYEARM	S4JYEARM:W4 S Years Worked/missing flag	Categ
5	S5JYEARM	S5JYEARM:W5 S Years Worked/missing flag	Categ
6	S6JYEARM	S6JYEARM:W6 S Years Worked/missing flag	Categ
7	S7JYEARM	S7JYEARM:W7 S Years Worked/missing flag	Categ
8	S8JYEARM	S8JYEARM:W8 S Years Worked/missing flag	Categ
9	S9JYEARM	S9JYEARM:W9 S Years Worked/missing flag	Categ
10	S10JYEARM	S10JYEARM:W10 S Years Worked/missing flag	Categ
11	S11JYEARM	S11JYEARM:W11 S Years Worked/missing flag	Categ
12	S12JYEARM	S12JYEARM:W12 S Years Worked/missing flag	Categ
13	S13JYEARM	S13JYEARM:W13 S Years Worked/missing flag	Categ

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JYEARS	12652	27.53	13.46	0.0	65.0

R2YEARS	19642	27.37	15.83	0.0	75.0
R3YEARS	17991	28.95	16.07	0.0	75.0
R4YEARS	21384	30.20	15.88	0.0	78.0
R5YEARS	19578	30.90	16.05	0.0	78.0
R6YEARS	18165	31.75	16.10	0.0	78.0
R7YEARS	20129	31.43	15.67	0.0	77.0
R8YEARS	18469	32.38	15.77	0.0	79.0
R9YEARS	17217	33.16	15.83	0.0	81.0
R10YEARS	22034	29.48	16.51	0.0	83.0
R11YEARS	20554	30.16	16.50	0.0	85.0
R12YEARS	18747	30.78	16.46	0.0	87.0
R13YEARS	20912	27.79	16.89	0.0	75.0
S1YEARS	9900	28.12	13.41	0.0	65.0
S2YEARS	13090	28.99	15.18	0.0	70.0
S3YEARS	11917	30.53	15.42	0.0	72.0
S4YEARS	13980	31.51	15.17	0.0	74.0
S5YEARS	12730	32.37	15.27	0.0	74.0
S6YEARS	11639	33.35	15.32	0.0	76.0
S7YEARS	12972	32.91	14.88	0.0	76.0
S8YEARS	11735	33.81	14.96	0.0	75.0
S9YEARS	10646	34.81	15.00	0.0	76.0
S10YEARS	13513	30.72	16.11	0.0	75.0
S11YEARS	12488	31.16	16.11	0.0	75.0
S12YEARS	11012	31.70	16.03	0.0	73.0
S13YEARS	11779	28.71	16.58	0.0	73.0
R1YEARM	12652	0.45	0.82	0.0	6.0
R2YEARM	19642	1.20	1.66	0.0	6.0
R3YEARM	17991	1.11	1.61	0.0	6.0
R4YEARM	21384	0.89	1.42	0.0	6.0
R5YEARM	19578	0.87	1.37	0.0	6.0
R6YEARM	18165	0.83	1.32	0.0	6.0
R7YEARM	20129	0.77	1.22	0.0	6.0
R8YEARM	18469	0.73	1.17	0.0	6.0
R9YEARM	17217	0.70	1.13	0.0	6.0
R10YEARM	22034	0.99	1.14	0.0	6.0
R11YEARM	20554	0.99	1.12	0.0	6.0
R12YEARM	18747	0.99	1.11	0.0	6.0
R13YEARM	20912	1.29	1.14	0.0	6.0
S1YEARM	9900	0.44	0.81	0.0	6.0
S2YEARM	13090	1.01	1.54	0.0	6.0
S3YEARM	11917	0.92	1.46	0.0	6.0
S4YEARM	13980	0.73	1.26	0.0	6.0
S5YEARM	12730	0.70	1.20	0.0	6.0
S6YEARM	11639	0.67	1.14	0.0	6.0
S7YEARM	12972	0.63	1.06	0.0	6.0
S8YEARM	11735	0.61	1.01	0.0	6.0
S9YEARM	10646	0.59	0.97	0.0	6.0
S10YEARM	13513	0.94	1.08	0.0	6.0
S11YEARM	12488	0.97	1.08	0.0	6.0
S12YEARM	11012	0.99	1.07	0.0	6.0
S13YEARM	11779	1.29	1.11	0.0	6.0

Categorical Variable Codes

RwJYEARM: R Years Worked/missing flag											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
0.No date missing	|	9383	11425	10834	13663	12540	11742	12939	12005	11276	11391
1.At least 1 job date missi	|	991	1052	983	1279	1233	1207	1699	1611	1537	1755
2.Early years worked missin	|	2150	3443	3267	4348	4023	3756	4223	3835	3563	7304
3.Early yrs/1+ job dt missi	|	117	165	152	204	183	161	227	218	215	1162
4.No job hist,w2a used	|		2910	2140	1287	1128	920	747	578	453	299
5.w2a>jobhist,w2a used	|	3	298	283	262	207	168	131	94	79	57
6.Job dt=.,w2a gt jobhist,w	|	8	349	332	341	264	211	163	128	94	66
Value		w11	w12	w13							
0.No date missing	|	10541	9521	8202							
1.At least 1 job date missi	|	1675	1562	1383							
2.Early years worked missin	|	6869	6334	8641							
3.Early yrs/1+ job dt missi	|	1155	1107	2546							
4.No job hist,w2a used	|	225	162	99							
5.w2a>jobhist,w2a used	|	41	28	18							
6.Job dt=.,w2a gt jobhist,w	|	48	33	23							
SwJYEARM: S Years Worked/missing flag											
Value		w1	w2	w3	w4	w5	w6	w7	w8	w9	w10
.U=Unmarried	|	2373	5968	5657	6868	6537	6306	6777	6417	6206	7799
.V=Spouse NR	|	379	584	417	536	311	220	380	317	365	722
0.No date missing	|	7382	8163	7694	9485	8683	7958	8762	7952	7259	7092
1.At least 1 job date missi	|	794	832	752	946	910	875	1203	1125	1055	1176
2.Early years worked missin	|	1632	2173	2043	2604	2390	2239	2509	2275	2042	4405
3.Early yrs/1+ job dt missi	|	81	109	92	123	105	96	148	144	130	747
4.No job hist,w2a used	|		1458	1029	554	445	330	250	171	112	60
5.w2a>jobhist,w2a used	|	3	185	160	129	91	63	43	28	19	15
6.Job dt=.,w2a gt jobhist,w	|	8	170	147	139	106	78	57	40	29	18
Value		w11	w12	w13							
.U=Unmarried	|	7474	7125	8024							
.V=Spouse NR	|	592	610	1109							
0.No date missing	|	6380	5483	4518							
1.At least 1 job date missi	|	1072	975	825							
2.Early years worked missin	|	4215	3816	4938							
3.Early yrs/1+ job dt missi	|	756	702	1482							
4.No job hist,w2a used	|	45	24	11							
5.w2a>jobhist,w2a used	|	8	4	2							
6.Job dt=.,w2a gt jobhist,w	|	12	8	3							

How Constructed

RwJYEARS is the total number of self-reported years worked. RwJYEARM indicates how many missing values are encountered in the derivation of RwJYEARS.

RwJYEARS is derived using all reported jobs and variables regarding number of years worked which was obtained in Wave 3H and from Wave 4 forward. Reported jobs include those at which a Respondent is working at any interview and those reported in the retrospective job history.

Except for the AHEAD entry cohort, a Respondent is asked about past jobs retrospectively at her/his first interview. If the Respondent is not working, information about the last job is collected. Whether working or not, questions are asked about up to three additional jobs lasting five or more years. These job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4.

In Wave 3H and from Wave 4 forward, the Respondent is asked for the earliest year and total number of years worked before the earliest job previously reported in job history.

The derivation uses the earliest year worked and number of years worked variables, along with retrospective job history and all jobs reported since the first interview. In Waves 2A and 3A, jobs reported in the retrospective job history were collected in Wave 4, so their dates are compared to interview dates to determine whether or how long they lasted before the 2A or 3A interview.

The retrospective job history and jobs reported at interviews are compared for overlapping dates so as not to double count years of work. If both job start or stop years are missing, the years of work in those jobs are not added. If one of the years is missing and the job is reported among those lasting 5+ years, the missing year is assumed to be 5 years away from the non-missing year. If one of the years is missing, and the job is reported as the most recent job by an unemployed Respondent (as part of the job history information), then that job is counted as lasting one year. Thus `RwJYEARS` represents the minimum number of years worked that could be determined.

In Wave 2A some Respondents are asked about the total years worked, and others about total years at the longest held job. If, after processing the current job and job history, `R2JYEARS` is less than the answer to either of these direct questions, the direct question is used to set `R2JYEAR`, and `RwJYEARS` in subsequent waves is adjusted appropriately.

`RwJYEARM` is a flag that indicates if any of the reported job dates are missing, or if the earliest year worked (or number of years worked up to preloaded first reported year worked) is either not available or missing. It also indicates if the W2A direct question was used. Years worked counts any part of a year as a whole year.

Spouse variables are taken from the Respondent's spouse's self-reported variables, i.e., they are taken the spouse's `RwJYEARS` and `RwJYEARM`.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4. In Wave 3H and from Wave 4 forward, new questions ask about the Respondent's years worked before the first job reported in prior waves.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about her/his last job, if there is one. If the last job ended more than 20 years ago, the amount of information gathered is very limited. Otherwise, questions ask about the starting date, occupation, and industry of the last job. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working but has worked during the last two years, information about that last job is collected, including start and stop dates and occupation. Industry of the last job is not available. In addition, most people are asked if they ever worked for ten or more years. If so they are then asked if they worked for one employer for ten or more years, and if so, the occupation and number of years at the longest held job are collected. If not, another question asks the total years worked for pay.

In Wave 3H, or at the first interview from Wave 4 forward to which the Respondent responds, a question is added that asks when the Respondent first worked for 6 months or more. Follow-up questions ask how many years the Respondent worked 6 months or more between the year first worked and a preloaded value. The preloaded value is the earliest start year of all jobs reported, presumably derived from job history given at the first interview.

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of her/his current job if s/he is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews, and the start date, occupation, and industry of the new one. If the Respondent reports a change in job title, then occupation and industry are asked, even if the employer is the same.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

HRS 1992:

V12717	F2:ANY WRK FOR PAY :IND
V12718	F3:WHO WORK FOR :IND
V2708	F1a:MONTH UNEMPLOYED
V2709	F1a:YR UNEMPLOYED
V2711	F1c:LAST WRK THIS JOB-MO
V2712	F1c:LAST WRK THIS JOB-YR
V2713	F1d:MO BECAME DISABLED
V2714	F1d:YR BECAME DISABLED
V2715	F1e:MONTH RETIRED
V2716	F1e:YEAR RETIRED
V2717	F2:ANY WRK FOR PAY :IMP
V2718	F3:WHO WORK FOR :IMP
V2816	F23:YR STARTED FOR EMPLR
V2834	F33:YR STRT THIS BUSINES
V3401	G1: RK/PAY +FEW MOS:IMP
V3402	G1A:MO LST WRK W/PAY
V3403	G1A:YR LST WRK W/PAY
V3418	G13:YR STRT WRK JOB
V3442	G25:R/SE:YR STRT @ BUS.
V3604	H4:WHN STRT WRKNG JOB-YR
V3607	H7:YEAR STP WRKNG AT JB
V3704	H25:1ST:YR STRTD THERE
V3705	H26:1ST:YR LEFT THERE
V3804	H25:NXT:YR STRTD THERE
V3805	H26:NXT:YR LEFT THERE

AHEAD 1993:

B1174	G1. WORKING CURRENTLY?
B1175	G1a. WORK LAST 2 YRS?
B1178	G2. CURRENTLY SELF EMPLOYED
B1182	G4. CURRENT WORK START YEAR
B1183	G4. CURRENT WORK START YEARS AGO
B1184	G4. CURRENT WORK START AT AGE
B1207	G11. JOB LAST 2 YEARS: END MONTH
B1208	G11. JOB LAST 2 YEARS: END YEAR

B1221	G14. JOB LAST 2 YRS START YEAR
B1222	G14. JOB LAST 2 YRS START YEARS AGO
B1223	G14. JOB LAST 2 YRS START AT AGE
B1232	G20. EVER WORK 10/+ YRS?
B1234	G21. EVER WORK 10/+ YRS ONE EMPLOYER?
B1235	G22. 10/+ YRS ONE EMP: # YEARS
B1241	G26. 10/+YRS ONE EMP: # YEARS WORKED
HRS 1994:	
W3307	FA1a.UNEMPLOYED-MONTH
W3308	FA1b.UNEMPLOYED-YEAR
W3310	FA1d.LAST WORKED ON JOB-
W3311	FA1e.LAST WORKED ON JOB-
W3312	FA1f.DISABLED-MONTH
W3313	FA1f.DISABLED-YEAR
W3314	FA1h.RETIRED-MONTH
W3315	FA1h.RETIRED-YEAR
W3316	FA2.WORKING FOR PAY
W3317	FA3.WORK FOR SOMEONE ELS
W3318	FA5.STOPPED WORKING FOR
W3319	FA5.STOPPED WORKING FOR
W3458	FA19.STILL WORKING FOR W
W3503	FA26.STOPPED WORKING FOR
W3504	FA26.STOPPED WORKING FOR
W3662	FA59.START WORK FOR EMPL
W3663	FA59.START WORK FOR EMPL
W4200	FB2.STOPPED WORK FOR EMP
W4201	FB2a.STOPPED WORK FOR EM
W4327	FB22.STARTED S-E WORK-MO
W4328	FB22a.STARTED S-E WORK-Y
W4800	FC2.MONTH STOPPED SELF-E
W4801	FC2a.YEAR STOPPED SELF-E
W4897	FC16.MONTH STOPPED WORK
W4898	FC16a.YEAR STOPPED WORK
W7002	G1a.LAST WORKED-YEAR
W7003	G1a.LAST WORKED-YEARS AG
W7004	G1a.LAST WORKED-MONTH
W7018	G13.START WORK-YEAR
W7019	G13.START WORK-YEARS AGO
W7020	G13.START WORK-AGE
W7103	H4.START WORK-YEAR
W7104	H4.START WORK-YEARS AGO
W7105	H4.START WORK-AGE
W7108	H7.LEFT EMPLOYER-YEAR
W7109	H7.LEFT EMPLOYER-YEARS A
W7110	H7.LEFT EMPLOYER-AGE
W7162	EMP1. H25.START WORK-YEA
W7163	EMP1. H26.LEFT EMPLOYER-
W7196	EMP2. H25.START WORK-YEA
W7197	EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2627	GA1A. WHEN BECAME UNEMPLOYED
D2628	GA1B. YEAR BECAME UNEMPLOYED
D2633	GA1D. MONTH LAST WORKED - TEMPORARY
D2634	GA1E. YEAR LAST WORKED - TEMPORARY
D2638	GA1F. MONTH DISABLED
D2639	GA1G. YEAR DISABLED

D2643	GA1J.YEAR RETIRED
D2644	GA1J.MONTH RETIRED
D2651	GA2.WORKING ANY CURRENT
D2653	GA3. SELF/OTHER EMPLOYED
D2654	GA5. MONTH STOPPED SELF-EMPL
D2655	GA5A. YEAR STOPPED SELF-EMPL
D2747	GA19. STILL WORKING SAME EMPLOYER
D2759	GA26. MONTH STOPPED WORKING WAVE I EMPLO
D2760	GA26A. YEAR STOPPED WORKING WAVE I EMPLO
D2831	GA43. MONTH STARTED CURRENT WORK
D2832	GA43A. YEAR STARTED CURRENT WORK
D3188	GB2. MONTH STOPPED SELF-EMPL
D3189	GB2A. YEAR STOPPED SELF-EMPL
D3545	GC2. MONTH STOPPED SELF-EMPL
D3546	GC2A. YEAR STOPPED SELF-EMPL
D3639	GC16. MONTH STOPPED WORKING WAVE I EMPLO
D3640	GC16A. YEAR STOPPED WORKING WAVE I EMPLO
HRS 1996:	
E189	PREV WAVE FIRST JOB YEAR
E2612	G1A.UNEMPLOYED-MONTH
E2613	G1B.UNEMPLOYED-YEAR
E2616	G1D.LAST WORKED ON JOB-MONTH
E2617	G1E.LAST WORKED ON JOB-YEAR
E2619	G1F.DISABLED-MONTH
E2620	G1G.DISABLED-YEAR
E2622	G1H.RETIRED-MONTH
E2623	G1J.RETIRED-YEAR
E2627	G2.WORKING FOR PAY
E2628	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
E2630	G5.STOPPED WORKING FOR SELF-MONTH
E2631	G5A.STOPPED WORKING FOR SELF-YEAR
E2654	G19A.STILL WORKING FOR PREV WAVE EMPLOYER
E2655	G19B.STILL WORKING PREV EMPLOYER
E2667	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
E2668	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
E2825	G63.START WORK FOR EMPLOYER-MONTH
E2826	G63A.START WORK FOR EMPLOYER-YEAR
E3091	G161.WORK SIX MONTH OR GREATER - YEAR
E3092	G162.BEGIN YEARS SIX MONTHS OR GREATER
E3093	G162A.END YEAR
E3094	G162B.YEARS
E3095	G162A.RANGE
E3127	GG1A.LAST WORKED-YEAR
E3128	GG1A.LAST WORKED-YEARS AGO
E3129	GG1A.LAST WORKED-MONTH
E3146	GG13.START WORK-YEAR
E3147	GG13.START WORK-YEARS AGO
E3148	GG13.START WORK-AGE
E3329	GH4.START WORK-YEAR
E3330	GH4.START WORK-YEARS AGO
E3331	GH4.START WORK-AGE
E3337	GH7.LEFT EMPLOYER-YEAR
E3338	GH7.LEFT EMPLOYER-YEARS AGO
E3339	GH7.LEFT EMPLOYER-AGE
HRS 1998:	
F3116	G1A.UNEMPLOYED-MONTH
F3117	G1B.UNEMPLOYED-YEAR
F3120	G1D.LAST WORKED ON JOB-MONTH
F3121	G1E.LAST WORKED ON JOB-YEAR

F3123	G1F.DISABLED-MONTH
F3124	G1G.DISABLED-YEAR
F3126	G1H.RETIRED-MONTH
F3127	G1J.RETIRED-YEAR
F3131	G2.WORKING FOR PAY
F3132	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
F3134	G5.STOPPED WORKING FOR SELF-MONTH
F3135	G5A.STOPPED WORKING FOR SELF-YEAR
F3158	G19A.STILL WORKING FOR PREV WAVE EMPLOYE
F3166	G19B.STILL WORKING PREV EMPLOYER
F3188	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
F3189	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
F3348	G63.START WORK FOR EMPLOYER-MONTH
F3349	G63A.START WORK FOR EMPLOYER-YEAR
F3644	GG1A1.LAST WORKED WHEN-YEAR
F3645	GG1A2.LAST WORKED WHEN-YEARS AGO
F3647	GG1A.LAST WORKED-MONTH
F3664	GG13.START WORK-YEAR
F3665	GG13.START WORK-YEARS AGO
F3666	GG13.START WORK-AGE
F3834	GH4.START WORK-YEAR
F3835	GH4.START WORK-YEARS AGO
F3836	GH4.START WORK-AGE
F3842	GH7.LEFT EMPLOYER-YEAR
F3843	GH7.LEFT EMPLOYER-YEARS AGO
F3844	GH7.LEFT EMPLOYER-AGE
F3903_1	GH25.START WORK FOR EMPLOYER-YEAR
F3903_2	GH25.START WORK FOR EMPLOYER-YEAR
F3904_1	GH26.LEFT EMPLOYER-YEAR
F3904_2	GH26.LEFT EMPLOYER-YEAR
F3973	GH52.FIRST-FINAL
F3974	GH52.WORK SIX MONTH OR GREATER - YEAR
F3976	GH52A.BEGIN YEARS SIX MONTHS OR GREATER
F3977	GH52AA.END YEAR
F3978	GH52AB.YEARS
F3979	GH52AA.RANGE
HRS 2000:	
G3366	G1A.UNEMPLOYED-MONTH
G3367	G1B.UNEMPLOYED-YEAR
G3370	G1D.LAST WORKED ON JOB-MONTH
G3371	G1E.LAST WORKED ON JOB-YEAR
G3373	G1F.DISABLED-MONTH
G3374	G1G.DISABLED-YEAR
G3376	G1H.RETIRED-MONTH
G3377	G1J.RETIRED-YEAR
G3381	G2.WORKING FOR PAY
G3382	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
G3384	G5.STOPPED WORKING FOR SELF-MONTH
G3385	G5A.STOPPED WORKING FOR SELF-YEAR
G3416	G19B.STILL WORKING PREV EMPLOYER
G3437	G26.STOP WORK PREV WAVE EMPLOYR-MO
G3438	G26A.STOP WORK PREV WAVE EMPLOYR-YR
G3607	G63.START WORK FOR EMPLOYER-MONTH
G3608	G63A.START WORK FOR EMPLOYER-YEAR
G3954	GG1A1.LAST WORKED WHEN-YEAR
G3955	GG1A2.LAST WORKED WHEN-YEARS AGO
G3957	GG1A.LAST WORKED-MONTH
G3974	GG13.START WORK-YEAR
G3975	GG13Y1. START WORK-YEARS AGO

G3976	GG13Y2. START WORK-AGE
G4096	GH4.START WORK-YEAR
G4097	GH4Y1. START WORK-YEARS AGO
G4098	GH4Y2. START WORK-AGE
G4105	GH7Y1. LEFT EMPLOYER-YEARS AGO
G4106	GH7Y2. LEFT EMPLOYER-AGE
G4176_1	GH25.START WORK FOR EMPLOYER-YEAR
G4176_2	GH25.START WORK FOR EMPLOYER-YEAR
G4177_1	GH26.LEFT EMPLOYER-YEAR
G4177_2	GH26.LEFT EMPLOYER-YEAR
G4263	GH52Y3.GH52 FIRST-FINAL
G4264	GH52Y4.WORK SIX MONTH OR GREATER - YEAR
G4266	GH52A.BEGIN YEARS SIX MONTHS OR GREATER
G4267	GH52AA.END YEAR
G4268	GH52AB.YEARS
G4269	GH52AC.RANGE
HRS 2002:	
HK018	START WRK-YR
HK019	START WRK-YRS AGO
HK020	START WRK- AT AGE
HL078_1	START WRK FOR EMP- INC PENSION- YR- 1
HL078_2	START WRK FOR EMP- INC PENSION- YR- 2
HL079_1	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
HL079_2	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HL152	1ST WRK SIX MO OR GREATER- YR
HL153	BEGIN YR WORK SIX MOS OR GREATER
HL154	END YR WORK SIX MOS OR GREATER
HL155	# YRS WORK SIX MOS OR GREATER
HL156	ALL YRS WORK SIX MOS OR GREATER
HRS 2016:	
PJK004	LAST WRKED WHEN-YR
PJK005	LAST WRKED WHEN-YRS AGO
PJK006	LAST WRKED-MO
PJK022	START WRK-YR
PJK023	START WRK-YRS AGO
PJK024	START WRK- AT AGE
PJL009_1	START WRK-YR
PJL009_2	LONGEST HELD JOB START WRK-YR
PJL010_1	START WORK-YRS AGO
PJL010_2	LONGEST HELD JOB START WORK-YRS AGO
PJL011_1	START WORK- AT AGE
PJL011_2	LONGEST HELD JOB START WORK- AT AGE
PJL017_1	LEFT EMPLOYER-YRS AGO
PJL017_2	LEFT LONGEST HELD JOB EMPLOYER-YRS AGO
PJL018_1	LEFT EMPLOYER- AT AGE
PJL018_2	LEFT LONGEST HELD JOB EMPLOYER- AT AGE
HRS 2002-2014:	
xK004	LAST WRKED-MO
xL009	START WRK-YR
xL010	START WORK-YRS AGO
xL011	START WORK- AT AGE
xL017	LEFT EMPLOYER-YRS AGO
xL018	LEFT EMPLOYER- AT AGE
HRS 2002-2016:	
xJ007	MO UNEMPLOYED
xJ008	YR UNEMPLOYED
xJ011	MO LAST WORKED - LAID OFF
xJ012	YR LAST WORKED - LAID OFF
xJ014	DISABLED-MO

xJ015	DISABLED- YR
xJ017	RETIRED-MO
xJ018	RETIRED-YR
xJ020	WORKING FOR PAY
xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
xJ023	STOPPED WORKING FOR SLF-MO
xJ024	STOPPED WORKING FOR SLF- YR
xJ045	STILL WORKING PREV EMPLOYER
xJ063	STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
xJ064	STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
xJ248	MO-START WORK FOR CURRENT EMPLOYER
xJ249	YR-START WORK FOR CURRENT EMPLOYER
HRS 2004-2014:	
xK005	LAST WRKED WHEN-YRS AGO
xK006	LAST WRKED-MO
xK022	START WRK-YR
xK023	START WRK-YRS AGO
xK024	START WRK- AT AGE
xL034A	START WRK FOR EMP- INC PENSION- YR- 1
xL034B	START WRK FOR EMP- INC PENSION- YR- 2
xL035A	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
xL035B	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
xL068	1ST WRK SIX MO OR GREATER- YR
xL069	BEGIN YR WORK SIX MOS OR GREATER
xL070	END YR WORK SIX MOS OR GREATER
xL071	# YRS WORK SIX MOS OR GREATER
xL072	ALL YRS WORK SIX MOS OR GREATER

Month and year last job ended

Wave	Variable	Label	Type
1	R1JLASTM	R1JLASTM:W1 Month Last Worked/not workng	Cont
2	R2JLASTM	R2JLASTM:W2 Month Last Worked/not workng	Cont
3	R3JLASTM	R3JLASTM:W3 Month Last Worked/not workng	Cont
4	R4JLASTM	R4JLASTM:W4 Month Last Worked/not workng	Cont
5	R5JLASTM	R5JLASTM:W5 Month Last Worked/not workng	Cont
6	R6JLASTM	R6JLASTM:W6 Month Last Worked/not workng	Cont
7	R7JLASTM	R7JLASTM:W7 Month Last Worked/not workng	Cont
8	R8JLASTM	R8JLASTM:W8 Month Last Worked/not workng	Cont
9	R9JLASTM	R9JLASTM:W9 Month Last Worked/not workng	Cont
10	R10JLASTM	R10JLASTM:W10 Month Last Worked/not workng	Cont
11	R11JLASTM	R11JLASTM:W11 Month Last Worked/not workng	Cont
12	R12JLASTM	R12JLASTM:W12 Month Last Worked/not workng	Cont
13	R13JLASTM	R13JLASTM:W13 Month Last Worked/not workng	Cont
1	S1JLASTM	S1JLASTM:W1 Month Last Worked/not workng	Cont
2	S2JLASTM	S2JLASTM:W2 Month Last Worked/not workng	Cont
3	S3JLASTM	S3JLASTM:W3 Month Last Worked/not workng	Cont
4	S4JLASTM	S4JLASTM:W4 Month Last Worked/not workng	Cont
5	S5JLASTM	S5JLASTM:W5 Month Last Worked/not workng	Cont
6	S6JLASTM	S6JLASTM:W6 Month Last Worked/not workng	Cont
7	S7JLASTM	S7JLASTM:W7 Month Last Worked/not workng	Cont
8	S8JLASTM	S8JLASTM:W8 Month Last Worked/not workng	Cont
9	S9JLASTM	S9JLASTM:W9 Month Last Worked/not workng	Cont
10	S10JLASTM	S10JLASTM:W10 Month Last Worked/not workng	Cont
11	S11JLASTM	S11JLASTM:W11 Month Last Worked/not workng	Cont
12	S12JLASTM	S12JLASTM:W12 Month Last Worked/not workng	Cont
13	S13JLASTM	S13JLASTM:W13 Month Last Worked/not workng	Cont
1	R1JLASTY	R1JLASTY:W1 Year Last Worked/not working	Cont
2	R2JLASTY	R2JLASTY:W2 Year Last Worked/not working	Cont
3	R3JLASTY	R3JLASTY:W3 Year Last Worked/not working	Cont
4	R4JLASTY	R4JLASTY:W4 Year Last Worked/not working	Cont
5	R5JLASTY	R5JLASTY:W5 Year Last Worked/not working	Cont
6	R6JLASTY	R6JLASTY:W6 Year Last Worked/not working	Cont
7	R7JLASTY	R7JLASTY:W7 Year Last Worked/not working	Cont
8	R8JLASTY	R8JLASTY:W8 Year Last Worked/not working	Cont
9	R9JLASTY	R9JLASTY:W9 Year Last Worked/not working	Cont
10	R10JLASTY	R10JLASTY:W10 Year Last Worked/not working	Cont
11	R11JLASTY	R11JLASTY:W11 Year Last Worked/not working	Cont
12	R12JLASTY	R12JLASTY:W12 Year Last Worked/not working	Cont
13	R13JLASTY	R13JLASTY:W13 Year Last Worked/not working	Cont
1	S1JLASTY	S1JLASTY:W1 Year Last Worked/not working	Cont
2	S2JLASTY	S2JLASTY:W2 Year Last Worked/not working	Cont
3	S3JLASTY	S3JLASTY:W3 Year Last Worked/not working	Cont
4	S4JLASTY	S4JLASTY:W4 Year Last Worked/not working	Cont
5	S5JLASTY	S5JLASTY:W5 Year Last Worked/not working	Cont
6	S6JLASTY	S6JLASTY:W6 Year Last Worked/not working	Cont
7	S7JLASTY	S7JLASTY:W7 Year Last Worked/not working	Cont
8	S8JLASTY	S8JLASTY:W8 Year Last Worked/not working	Cont
9	S9JLASTY	S9JLASTY:W9 Year Last Worked/not working	Cont
10	S10JLASTY	S10JLASTY:W10 Year Last Worked/not working	Cont
11	S11JLASTY	S11JLASTY:W11 Year Last Worked/not working	Cont
12	S12JLASTY	S12JLASTY:W12 Year Last Worked/not working	Cont
13	S13JLASTY	S13JLASTY:W13 Year Last Worked/not working	Cont

Descriptive Statistics

Variable	N	Mean	Std Dev	Minimum	Maximum
R1JLASTM	2694	6.57	3.37	1.0	12.0

R2JLASTM	3045	6.41	3.39	1.0	12.0
R3JLASTM	3888	6.43	3.47	1.0	12.0
R4JLASTM	5240	6.61	3.57	1.0	12.0
R5JLASTM	5793	6.51	3.58	1.0	12.0
R6JLASTM	6395	6.46	3.52	1.0	12.0
R7JLASTM	6921	6.45	3.51	1.0	12.0
R8JLASTM	7142	6.48	3.51	1.0	12.0
R9JLASTM	7279	6.45	3.51	1.0	12.0
R10JLASTM	8455	6.51	3.48	1.0	12.0
R11JLASTM	8633	6.51	3.48	1.0	12.0
R12JLASTM	8516	6.52	3.51	1.0	12.0
R13JLASTM	8593	6.51	3.49	1.0	12.0
S1JLASTM	2099	6.60	3.37	1.0	12.0
S2JLASTM	2284	6.44	3.36	1.0	12.0
S3JLASTM	2836	6.42	3.42	1.0	12.0
S4JLASTM	3595	6.72	3.53	1.0	12.0
S5JLASTM	3931	6.61	3.56	1.0	12.0
S6JLASTM	4264	6.55	3.50	1.0	12.0
S7JLASTM	4531	6.53	3.50	1.0	12.0
S8JLASTM	4570	6.57	3.52	1.0	12.0
S9JLASTM	4528	6.53	3.52	1.0	12.0
S10JLASTM	5114	6.55	3.51	1.0	12.0
S11JLASTM	5101	6.56	3.51	1.0	12.0
S12JLASTM	4819	6.55	3.53	1.0	12.0
S13JLASTM	4596	6.54	3.52	1.0	12.0
R1JLASTY	3741	1984.60	8.98	1945.0	1993.0
R2JLASTY	6760	1982.64	11.86	1920.0	1995.0
R3JLASTY	9440	1983.45	11.28	1920.0	1996.0
R4JLASTY	11338	1985.84	11.36	1920.0	1999.0
R5JLASTY	10859	1987.53	11.38	1920.0	2000.0
R6JLASTY	10631	1989.68	11.34	1929.0	2003.0
R7JLASTY	10819	1991.79	11.28	1929.0	2005.0
R8JLASTY	10458	1993.56	11.16	1929.0	2007.0
R9JLASTY	10089	1995.28	11.18	1929.0	2009.0
R10JLASTY	11357	1998.72	10.79	1935.0	2011.0
R11JLASTY	11036	2000.56	10.54	1935.0	2013.0
R12JLASTY	10475	2002.31	10.49	1935.0	2014.0
R13JLASTY	10539	2005.03	10.20	1935.0	2018.0
S1JLASTY	2923	1984.45	9.22	1947.0	1993.0
S2JLASTY	4561	1983.43	11.36	1928.0	1995.0
S3JLASTY	5913	1984.65	10.79	1931.0	1996.0
S4JLASTY	6946	1987.01	10.82	1931.0	1999.0
S5JLASTY	6598	1988.94	10.58	1932.0	2000.0
S6JLASTY	6387	1991.17	10.48	1932.0	2003.0
S7JLASTY	6456	1993.20	10.29	1932.0	2005.0
S8JLASTY	6164	1994.90	10.23	1940.0	2007.0
S9JLASTY	5788	1996.69	10.12	1941.0	2009.0
S10JLASTY	6461	1999.97	9.80	1941.0	2011.0
S11JLASTY	6197	2001.69	9.61	1944.0	2013.0
S12JLASTY	5677	2003.47	9.62	1945.0	2014.0
S13JLASTY	5443	2006.00	9.54	1945.0	2018.0

How Constructed

RwJLASTM and RwJLASTY are the month and year, respectively, when the Respondent last worked. It is set to missing value .W if the Respondent is working at Wave 'w.'

Except for the AHEAD entry cohort, a Respondent is asked about past jobs retrospectively at her/his first interview. If the Respondent is not working, information about the last job is collected. If the Respondent reports ever having worked, then the start and stop years of the most recent job held are obtained. Regardless of whether the Respondent is working or not, questions ask about jobs held for 5 or more years. If the Respondent worked for 5+ years on any other jobs, start and stop dates are obtained for the most recent of them. If any other of the 5+ year jobs had a retirement plan, up to 2 more job start and stop years may be asked. These job history questions were not asked in Waves 2A or 3A. For those in the AHEAD entry cohort, job history information was collected at Wave 4. In Wave 2A if the Respondent is unemployed but has worked in the last two years, then the stop date of the last job is asked.

After the first interview, the Respondent is asked when the last interview job ended if the Respondent changes work status, e.g., from employed to not.

For the first interview, the most recent job stop date is selected from among the retrospective job history dates that precede the interview, if the Respondent is not working. This is based on a comparison of the actual dates given rather than simply using the particular "most recent job" question.

At subsequent interviews where the Respondent is not working, s/he is asked when the previous interview job ended. The derivation uses the most recent job stop date. This is based on a comparison of the actual dates given, selecting the most recent date. If the Respondent is not working over consecutive waves, RwJLASTM and RwJLASTY are carried forward.

Job stop dates are reported as month and year or just year. If the month is missing then RwJLASTM is set to missing. To help fill in missing job stop dates between interviews, the months and years given for retirement, disability, unemployment, and temporary layoff are also examined. These dates are asked when the Respondent reports the applicable employment status.

If the Respondent is working, then RwJLASTM and RwJLASTY are set to a .W missing code. If the Respondent never worked, RwJLASTM and RwJLASTY are set to a .N missing code.

SwJLASTM and SwJLASTY are taken from the wave "w" spouse's self-report, i.e., from the spouse's RwJLASTM and RwJLASTY.

Cross Wave Differences in Original HRS Data

Questions at each interview ask the Respondent's current work status and job change information. Generally at a Respondent's first interview, information about past jobs is obtained. The types of information, question wording, and general structure of questions on job transitions and history are similar across waves but some of the details vary. For the AHEAD entry cohort, the complete set of job history questions are not asked in Waves 2A and 3A, but are asked for the first time at Wave 4.

At the Respondent's first interview, or Wave 4 for the AHEAD entry cohort, questions are asked about past jobs. If the Respondent is not working, then information is gathered about her/his last job, if there is one. Whether the Respondent is working or not, questions also ask about jobs held 5 or more years, besides the current or last job. If the Respondent has at least one other past job held 5 or more years, the start and stop months, occupation, and industry are collected for the most recent one. If there is more than one 5-year job, then a question asks:

"Besides the jobs you have already told me about, have you worked for any other employer where you were included in a pension or retirement plan, or in a tax-deferred savings plan of some sort?"

If the Respondent answers yes, then the start and stop years of up to two of these jobs are obtained, but industry and occupation are not asked. Altogether the retrospective job history can provide information on up to 3 jobs and a last job, if the Respondent is unemployed. The 3 jobs will only include the most recent past job that lasted at least 5 years, and 2 more that offered pension or retirement plans.

In Wave 2A, if the Respondent is not working, but has worked during the last two years, information about that last job is collected, including the stop date.

Each interview obtains the Respondent's current work status. At the Respondent's first interview, questions ask the start date, industry, and occupation of her/his current job if s/he is working. At subsequent interviews, changes in work status, self-employment status, or employer trigger questions that ask for the stop date of the job that ended between interviews.

There are many differences across waves in the way the interview proceeds through these job questions, e.g., how many places the same question is asked, which questions are skipped, how much the skip pattern depends on preloaded information, etc.

HRS Variables Used

HRS 1992:

V12717	F2:ANY WRK FOR PAY :IND
V12718	F3:WHO WORK FOR :IND
V2708	F1a:MONTH UNEMPLOYED
V2711	F1c:LAST WRK THIS JOB-MO
V2712	F1c:LAST WRK THIS JOB-YR
V2713	F1d:MO BECAME DISABLED
V2714	F1d:YR BECAME DISABLED
V2715	F1e:MONTH RETIRED
V2716	F1e:YEAR RETIRED
V2717	F2:ANY WRK FOR PAY :IMP
V2718	F3:WHO WORK FOR :IMP
V3401	G1: RK/PAY +FEW MOS:IMP
V3402	G1A:MO LST WRK W/PAY
V3403	G1A:YR LST WRK W/PAY
V3607	H7:YEAR STP WRKNG AT JB
V3705	H26:1ST:YR LEFT THERE
V3805	H26:NXT:YR LEFT THERE

AHEAD 1993:

B1174	G1. WORKING CURRENTLY?
B1175	G1a. WORK LAST 2 YRS?
B1178	G2. CURRENTLY SELF EMPLOYED
B1207	G11. JOB LAST 2 YEARS: END MONTH
B1208	G11. JOB LAST 2 YEARS: END YEAR
B1232	G20. EVER WORK 10/+ YRS?

HRS 1994:

W3307	FA1a.UNEMPLOYED-MONTH
W3308	FA1b.UNEMPLOYED-YEAR
W3310	FA1d.LAST WORKED ON JOB-
W3311	FA1e.LAST WORKED ON JOB-
W3312	FA1f.DISABLED-MONTH
W3313	FA1f.DISABLED-YEAR
W3314	FA1h.RETIRED-MONTH
W3315	FA1h.RETIRED-YEAR
W3316	FA2.WORKING FOR PAY
W3317	FA3.WORK FOR SOMEONE ELS
W3318	FA5.STOPPED WORKING FOR
W3319	FA5.STOPPED WORKING FOR
W3503	FA26.STOPPED WORKING FOR
W3504	FA26.STOPPED WORKING FOR
W4200	FB2.STOPPED WORK FOR EMP
W4201	FB2a.STOPPED WORK FOR EM
W4800	FC2.MONTH STOPPED SELF-E
W4801	FC2a.YEAR STOPPED SELF-E

W4897	FC16.MONTH STOPPED WORK
W4898	FC16a.YEAR STOPPED WORK
W7000	G1.EVER WRKD FOR PAY MOR
W7002	G1a.LAST WORKED-YEAR
W7003	G1a.LAST WORKED-YEARS AG
W7004	G1a.LAST WORKED-MONTH
W7108	H7.LEFT EMPLOYER-YEAR
W7109	H7.LEFT EMPLOYER-YEARS A
W7110	H7.LEFT EMPLOYER-AGE
W7163	EMP1. H26.LEFT EMPLOYER-
W7197	EMP2. H26.LEFT EMPLOYER-
AHEAD 1995:	
D2626M1	GA1. CURRENT JOB STATUS
D2626M2	GA1. CURRENT JOB STATUS
D2626M3	GA1. CURRENT JOB STATUS
D2627	GA1A. WHEN BECAME UNEMPLOYED
D2628	GA1B. YEAR BECAME UNEMPLOYED
D2633	GA1D. MONTH LAST WORKED - TEMPORARY
D2634	GA1E. YEAR LAST WORKED - TEMPORARY
D2638	GA1F. MONTH DISABLED
D2639	GA1G. YEAR DISABLED
D2643	GA1J.YEAR RETIRED
D2644	GA1J.MONTH RETIRED
D2651	GA2.WORKING ANY CURRENT
D2653	GA3. SELF/OTHER EMPLOYED
D2654	GA5. MONTH STOPPED SELF-EMPL
D2655	GA5A. YEAR STOPPED SELF-EMPL
D2759	GA26. MONTH STOPPED WORKING WAVE I EMPLO
D2760	GA26A. YEAR STOPPED WORKING WAVE I EMPLO
D3188	GB2. MONTH STOPPED SELF-EMPL
D3545	GC2. MONTH STOPPED SELF-EMPL
D3546	GC2A. YEAR STOPPED SELF-EMPL
D3639	GC16. MONTH STOPPED WORKING WAVE I EMPLO
HRS 1996:	
E2612	G1A.UNEMPLOYED-MONTH
E2613	G1B.UNEMPLOYED-YEAR
E2616	G1D.LAST WORKED ON JOB-MONTH
E2617	G1E.LAST WORKED ON JOB-YEAR
E2619	G1F.DISABLED-MONTH
E2620	G1G.DISABLED-YEAR
E2622	G1H.RETIRED-MONTH
E2623	G1J.RETIRED-YEAR
E2627	G2.WORKING FOR PAY
E2628	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
E2630	G5.STOPPED WORKING FOR SELF-MONTH
E2631	G5A.STOPPED WORKING FOR SELF-YEAR
E2667	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
E2668	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
E3125	GG1.EVER WRKD FOR PAY MORE THN FEW MTHS?
E3127	GG1A.LAST WORKED-YEAR
E3128	GG1A.LAST WORKED-YEARS AGO
E3129	GG1A.LAST WORKED-MONTH
E3337	GH7.LEFT EMPLOYER-YEAR
E3338	GH7.LEFT EMPLOYER-YEARS AGO
E3339	GH7.LEFT EMPLOYER-AGE
HRS 1998:	
F3116	G1A.UNEMPLOYED-MONTH
F3117	G1B.UNEMPLOYED-YEAR
F3120	G1D.LAST WORKED ON JOB-MONTH

F3121	G1E.LAST WORKED ON JOB-YEAR
F3123	G1F.DISABLED-MONTH
F3124	G1G.DISABLED-YEAR
F3126	G1H.RETIRED-MONTH
F3127	G1J.RETIRED-YEAR
F3131	G2.WORKING FOR PAY
F3132	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
F3134	G5.STOPPED WORKING FOR SELF-MONTH
F3135	G5A.STOPPED WORKING FOR SELF-YEAR
F3188	G26.STOP WORK FOR PREV WAVE EMPLOYER-MON
F3189	G26A.STOP WORKING FOR PREV WAVE EMPLOYER
F3643	GG1.EVER WORKED FOR PAY MORE THAN FEW MT
F3644	GG1A1.LAST WORKED WHEN-YEAR
F3645	GG1A2.LAST WORKED WHEN-YEARS AGO
F3647	GG1A.LAST WORKED-MONTH
F3842	GH7.LEFT EMPLOYER-YEAR
F3843	GH7.LEFT EMPLOYER-YEARS AGO
F3844	GH7.LEFT EMPLOYER-AGE
F3904_1	GH26.LEFT EMPLOYER-YEAR
F3904_2	GH26.LEFT EMPLOYER-YEAR
HRS 2000:	
G3366	G1A.UNEMPLOYED-MONTH
G3367	G1B.UNEMPLOYED-YEAR
G3370	G1D.LAST WORKED ON JOB-MONTH
G3371	G1E.LAST WORKED ON JOB-YEAR
G3373	G1F.DISABLED-MONTH
G3374	G1G.DISABLED-YEAR
G3376	G1H.RETIRED-MONTH
G3377	G1J.RETIRED-YEAR
G3381	G2.WORKING FOR PAY
G3382	G3.WORK FOR SOMEONE ELSE/SELF-EMPLOYED
G3384	G5.STOPPED WORKING FOR SELF-MONTH
G3385	G5A.STOPPED WORKING FOR SELF-YEAR
G3437	G26.STOP WORK PREV WAVE EMPLOYR-MO
G3438	G26A.STOP WORK PREV WAVE EMPLOYR-YR
G3953	GG1.WORK FOR PAY MORE THAN FEW MOS
G3954	GG1A1.LAST WORKED WHEN-YEAR
G3955	GG1A2.LAST WORKED WHEN-YEARS AGO
G3957	GG1A.LAST WORKED-MONTH
G4105	GH7Y1. LEFT EMPLOYER-YEARS AGO
G4106	GH7Y2. LEFT EMPLOYER-AGE
G4177_1	GH26.LEFT EMPLOYER-YEAR
G4177_2	GH26.LEFT EMPLOYER-YEAR
HRS 2002:	
HK001	WORK FOR PAY MORE THAN FEW MOS
HK002	LAST WRKED WHEN-YR
HL079_1	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
HL079_2	LEFT EMPLOYER- INCLUDE PENSION- YR- 2
HRS 2002-2014:	
xK003	LAST WRKED WHEN-YRS AGO
xK004	LAST WRKED-MO
xL017	LEFT EMPLOYER-YRS AGO
xL018	LEFT EMPLOYER- AT AGE
HRS 2002-2016:	
xJ007	MO UNEMPLOYED
xJ008	YR UNEMPLOYED
xJ011	MO LAST WORKED - LAID OFF
xJ012	YR LAST WORKED - LAID OFF
xJ014	DISABLED-MO

xJ015	DISABLED- YR
xJ017	RETIRED-MO
xJ018	RETIRED-YR
xJ020	WORKING FOR PAY
xJ021	WORK FOR SOMEONE ELSE/SLF-EMPLOYED
xJ023	STOPPED WORKING FOR SLF-MO
xJ024	STOPPED WORKING FOR SLF- YR
xJ063	STOP/RETIRE WORK PREV WAVE EMPLOYER-MO
xJ064	STOP/RETIRE WORK PREV WAVE EMPLOYER-YR
HRS 2004-2014:	
xK005	LAST WRKED WHEN-YRS AGO
xK006	LAST WRKED-MO
xL035A	LEFT EMPLOYER- INCLUDE PENSION- YR- 1
xL035B	LEFT EMPLOYER- INCLUDE PENSION- YR- 2

Appendix A

Section A: Demographics

ID Adjustments

In 2012, based on information from HRS, HHID=202173 in all household level modules should be HHID=202073 and NPN_FIN=010. HHIDPN=202147020 was dropped and the following ID changes were made:

HHIDPN=59855021 changed to 59855010

HHIDPN=95650041 changed to 95650010

HHIDPN=502432021 changed to 502432010

HHIDPN=520845011 changed to 520845020

In 2010, based on information from HRS, HHIDPN= 526934010 changed to 525520020 and HHIDPN= 529766010 changed to 520845020. The following cases were dropped: HHIDPN=920337010, 920337020, 902054010 and 532056010.

One case was married to an HRS-AHEAD overlap case in 1992 but not identified as an overlap on the Tracker file. We set this case to as overlap with RAOHRSID of 20582020 and HHIDPN of 204940020. The only wave to which this case responds is Wave 1. All HRS-AHEAD overlap cases are identified by their AHEAD HHIDPNs on the RAND HRS Longitudinal File.

The AHEAD-AHEAD overlap cases are 205906010 who becomes 205864011 in 1998, and 205399010 who becomes 208545010 in 2000. On the RAND HRS Longitudinal File these cases are identified as 205864011 and 208545010, with RAOVRAYR set to 1995 and 1998, respectively. RAOAHDID holds their original 1993 HHIDPNs.

In 2004, two households were identified and selected to be in the HRS survey. Both these households were 2-person households containing a married couple. However, there is a lag between when a household is identified and when they actually start to answer survey questions. So, it was 2010 before they actually responded to any HRS survey questions. By 2010, these households had split and so, in the 2010 Core data we had the following IDs HHIDPN=526934010 split from HHIDPN=525520010 and HHIDPN=529766010 split from HHIDPN=520845010.

By 2012, these couples had reunited and so in the 2012 Tracker file, their IDs change from

HHIDPN=526934010 to HHIDPN=525520020

HHIDPN=529766010 to HHIDPN=520845020

In the RAND HRS data products, these cases are referenced by their 2012 IDs. The IDs they had in the 2010 Core data can be found in RAOHRSID.

Based on data alerts from HRS, we have made several changes to cases in 2000 and 2002. In 2002, HHIDPNs 22965040 and 22965041 are deleted. This was the only wave where 22965041 responded so this case has been deleted from the RAND HRS Longitudinal File. In the other case, 22956040 responds to other waves so is still included in the RAND HRS Longitudinal File but has INW6=0. In 2000, HHIDPN 211430021 is deleted and 211430020 is set to not partnered. Also in 2000, HHIDPN 75573041 is changed to 75573010 as is S5HHIDPN for 75573040.

In Wave 3H, there are a few households that appear to be reunited based on answers to questions in the CoverSheet section. They are reunited in Wave 4, but have different sub-household IDs in Wave 3. We reunite them in Wave 3. These households are: 17520 (PNs 010 and 040), 22999 (PNs 010 and 020), 40609 (PNs 010 and 020), 40441 (PNs 010 and 020), 50945 (PNs 010 and 040). These cases will have different sub-household IDs in H3HHID from the ESUBHH found in the Tracker and core 1996 files. The spouse PNs will also differ.

In 1994, one household, 15730 is split in the core data, but together in Tracker file. In this household, 15730.020 was interviewed, then died before the widow (15730.030) was interviewed. We treat these two cases as being in separate households, as they are in the core data.

In some other households, the Tracker file shows a non-responding spouse, but the core data indicates that the couple being

split. We treat these couples as split. In most households, this involves a change for the non-responding spouse so that the sub-household ID on this file differs from that on the Tracker file but still matches that on the core data. For two households, 10646 and 65564, FSUBHH in H4HHID also differs from that on the core 1998 data for the responding ex-spouse. For these two households, and for 23476 and 84287, the spouse PN also differs from that in the Tracker, but the FPN_SP for these cases is blank in the 1998 core data.

In some cases the Tracker file assigns a spouse PN for a deceased spouse. In other cases the spouse PN is missing on the Tracker file but available in the core data. We set spouse PN to missing if it refers to a deceased spouse, and we fill missing spouse PNs from core data if they are missing on the Tracker file.

Section B: Employment History

Some adjustments are made to specific cases that seemed to have unreasonable wage data. They are listed below.

/* One case in Wave 1 apparently reports an annual income as a biweekly rate */

```
if hhidpn=72106010 then V2736=6 ;
```

/* One case in W2H reports making 9994 hourly in w2 this looks like a missing value, doesn't fit with income, other waves, Make it missing */

```
if HHIDPN=64609040 and W3637=9994 then W3637=99994 ;
```

/* One case in Wave 2H apparently reports their annual income as an hourly rate */

```
if hhidpn=76493010 then do ;
    w3631=1 ;          /* make howpd salaried */
    w3632=w3637 ;     /* set to hourly rate reported */
    w3633=6 ;          /* set period to yearly */
end ;
```

/* Two cases in Wave 2H apparently reports their annual income as an hourly rate */

```
if hhidpn=13631020 and W3633=2 then W3633=6;
if hhidpn=49393010 and W3633=2 then W3633=6;
```

/* Two case in Wave 3H apparently reported their annual income in the hourly variable. */

```
if hhidpn=61179011 then e3140=6 ;
if hhidpn=65169010 then do ;
    e2772=1 ;          /* make howpd salaried */
    e2774=e2781 ;     /* set to hourly rate reported */
    e2775=6 ;          /* set period to yearly */
end ;
```

/* One case in Wave 3H reports monthly rate that, when compared to amount earned LCY, seems to be 100x the actual */

```
if hhidpn=18048010 then E2774=E2774/100 ;
```

/* One case in Wave 3A has an unusual and high hourly rate. No earnings information is available; We set wages to missing */

```
if HHIDPN=203514010 then D2870=. ;
```

/* One case in Wave 7 apparently reports their annual income as monthly */

```
if hhidpn=200661020 and KJ192=4 then KJ192=6;
```

/* Two case in Wave 7 has a typo in their hourly rate. Forgot the decimal place for dollars and cents */

```
if hhidpn=51554030 and KJ216=1300 then KJ216=13;
if hhidpn=502205010 and KJ206=539292 then KJ206=53929.2;
```

/* Two cases in Wave 7 apparently reported their annual income in the hourly variable. */

```
if hhidpn in (123505010 124383010) then JJ216 = JJ216/JJ172/JJ179 ;
```

/* Four cases in Wave 7 reported seemingly annual income in JJ206 */

```
if hhidpn in (45438010 137183010 179842020 501770020) then JJ210=6 ;
```

/* One case in Wave 7 reports receiving \$100,000 a week from SE */

```
if hhidpn=501311020 then do;
    jj188=.m ;
    jj192=.m ;
end;
```

```
/* One case in Wave 7 reports receiving 36 million in overtime per month */
```

```
if hhidpn = 501770020 then do ;  
  jj225 = .m ;  
  jj226 = .m ;  
end;
```

```
/* One case in Wave 8 apparently reports their annual income as bi-monthly */
```

```
if hhidpn=12967010 and KJ210=5 then KJ210=6;
```

```
/* One case in Wave 9 apparently reports their annual income as monthly */
```

```
if hhidpn=501707020 and LJ210=4 then LJ210=6;
```

```
/* One case in Wave 10 apparently reports their annual income as hourly */
```

```
if hhidpn=903516010 and MJ216=55000 then MJ216=26.45;
```

Section C: Medicare Part B and Part D Premiums

To determine both whether, and for how many months, Part B and/or Part D premiums were deducted from Social Security income in the last calendar year (LCY), we developed several rules that incorporate information from the RAND HRS Fat Files, the RAND HRS Detailed Imputations File, and the RAND HRS Longitudinal File. Central to these rules is when people become eligible for Medicare, which is generally 65 years of age. However, people can become eligible sooner, as is the case for those who have been receiving SSDI for more than 24 months. To address this requirement, we assume that anyone who received SSDI for all 12 months in the last calendar year (and meets the other criteria described below) had Part B and/or Part D premiums deducted from their Social Security income. Otherwise, we assume these premiums were deducted only in those months when the individual was 65 years of age (or more) in the last calendar year. The rules are as follows:

- 1). First, flag Respondents who meet the minimum criteria for whether Part B and/or Part D premiums should be added back to reported Social Security income:
 - a). Part B:
 - Covered by Medicare Part B (xN004 (HRS 2002 forward) = 1 (Yes)), **and**
 - No Medicaid coverage in the last two years/since previous interview (xN005 (HRS 2002 forward) = 5 (No)), **and**
 - Received Social Security Retirement income ([R/S]wIOSS = 1 (Yes)) for at least one month in LCY ([R/S]wNSS > 0), **or**
 - Received Social Security Disability income ([R/S]wIOSDI = 1 (Yes)) for at least one month in LCY ([R/S]wNSDI > 0)
 - b). Part D:
 - Medicare Part D premium deducted from Social Security check (xN423 (HRS 2008 - 2010) = 1 (Yes)), **and**
 - No Medicaid coverage in the last two years/since previous interview (xN005 (HRS 2008 - 2010) = 5 (No)), **and**
 - Received Social Security Retirement income ([R/S]wIOSS = 1 (Yes)) for at least one month in LCY ([R/S]wNSS > 0), **or**
 - Received Social Security Disability income ([R/S]wIOSDI = 1 (Yes)) for at least one month in LCY ([R/S]wNSDI > 0)
- 2). For Respondents who do not meet the above minimum criteria, do not add Part B and/or Part D premiums back to reported Social Security income.
- 3). For Respondents who do meet the above minimum criteria, perform some additional checks:
 - a). Part B and Part D (same criteria):
 - IF received Social Security Retirement income LCY ([R/S]wIOSS = 1 (Yes)):
 - ⇒ IF not 65 years of age in LCY, do not add premiums back to reported Social Security income
 - ⇒ ELSE IF 65 years of age (or more) in LCY, do add premiums back to reported Social Security income
 - ELSE IF received Social Security Disability income LCY ([R/S]wIOSDI = 1 (Yes)):
 - ⇒ IF # of months received Social Security Disability income LCY = 12 ([R/S]wNSDI = 12), do add premiums back to reported Social Security income
 - ⇒ ELSE IF # of months received Social Security Disability income LCY < 12 ([R/S]wNSDI < 12):
 - ▷ IF not 65 years of age in LCY, do not add premiums back to reported Social Security income
 - ▷ ELSE IF 65 years of age (or more) in LCY, do add premiums back to reported Social Security income

4). Finally, for Respondents where Part B and/or Part D premiums will be added back to reported Social Security income, determine the # of months deductions were made:

a). Part B and Part D (same criteria):

- IF received Social Security Retirement income LCY ([R/S]wIOSS = 1 (Yes)):

⇒ # of months deductions were made = minimum of the # of months received Social Security Retirement income LCY ([R/S]wNSS) and the # of months the Respondent was 65 years of age (or more) in LCY

(i.e., premiums can only have been deducted from Social Security Retirement income in those months the Respondent was receiving this income and was 65 years of age or more)

- ELSE IF received Social Security Disability income LCY ([R/S]wIOSDI = 1 (Yes)):

⇒ IF # of months received Social Security Disability income LCY = 12 ([R/S]wNSDI = 12):

▷ # of months deductions were made = 12

⇒ ELSE IF # of months received Social Security Disability income LCY < 12 ([R/S]wNSDI < 12):

▷ # of months deductions were made = minimum of the # of months received Social Security Disability income LCY ([R/S]wNSDI) and the # of months the Respondent was 65 years of age (or more) in LCY

(i.e., premiums can only have been deducted from Social Security Disability income in those months the Respondent was receiving this income and was 65 years of age or more)