**Demographics Data**

**Demographic Variables and Sample Weights**

Demographic Variables and Sample Weights (DEMO\_H)

Data File: DEMO\_H.xpt

First Published: October 2015

Last Revised: NA

Component Description

The demographics file provides individual, family, and household level information on the following topics:

* Survey participant’s household interview and examination status
* Interview and examination sample weights
* Masked variance units
* Language of questionnaires used for the interviews conducted in the household and in the mobile examination center
* Use of proxy or interpreter during the interviews
* The six-month time period when the examination was performed
* Pregnancy status
* Household and family income
* Household and family sizes
* Household composition: the number of children (aged 5 years or younger and 6-17 years old), and adults aged 60 years or older, in the household
* Demographic information about the household reference person
* Other selected demographic information, such as gender, age, race/Hispanic origin, education, marital status, military service status, country of birth, citizenship, and years of U.S. residence

The format and coding for all the variables included in the 2013-14 NHANES demographics file are identical to those released for the 2011-12 survey cycle.

The sample design for NHANES 2011-14 includes an oversample of Asian Americans (Table 1). The variable RIDRETH3 is included to describe the participant’s race and Hispanic origin.

| Table 1. Unweighted sample size and percentage by race/Hispanic origin, from NHANES 2007-2010 and 2011-2014 for examined participants | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Hispanic | | Non-Hispanic | | | | Total |
|  | Mexican American | Other Hispanic | White, single race | Black, single race | Asian, single race | Other, including multiracial persons |  |
| 2007-2010 n (%) | 4,369 (21.8) | 2,250 (11.2) | 8,286 (41.4) | 4,044 (20.2) | n/a1 | 1,066 (5.3) | 20,015 (100.0) |
| 2011-2014 n (%) | 3,001 (15.7) | 1,941 (10.1) | 6,379 (33.3) | 4,780 (25.0) | 2,234 (11.7) | 816 (4.3) | 19,151 (100.0) |

1Non-Hispanic Asians were included in the “Other” category in 2007-10.

Similar to previous release cycles, the 2013-2014 demographics file includes a variable for age in years at screening (RIDAGEYR) for all participants. Age in months at screening (RIDAGEMN) is reported for participants aged 0 to 24 months, and age in months at examination (RIDEXAGM) is reported for participants aged 0 to 19 years only. Due to increasing concerns about potential disclosure risks, information on age in months at screening and at examination for participants in other age groups are no longer included in the public release file but are available through the [NCHS Research Data Center (RDC)](https://www.cdc.gov/rdc/).

Eligible Sample

The target age groups for demographic variables in this file vary by the topic. Please review the codebook carefully.

Interview Setting and Mode of Administration

The family and sample person demographics questionnaires were asked, in the home, by trained interviewers using Computer-Assisted Personal Interview (CAPI) system. The respondent selected the language of interview (English or Spanish) or requested that an interpreter be used. Hand cards, showing response choices or information that survey participants needed to answer the questions, were used for some questions. The hand cards were printed in English, Spanish, Mandarin Chinese (both traditional and simplified), Korean, and Vietnamese. The interviewer directed the respondent to the appropriate hand card during the interview. When necessary, the interviewer further assisted the respondent by reading the response choices listed on the hand cards.

Persons 16 years and older and emancipated minors were interviewed directly. A proxy provided information for survey participants who were under 16 and for participants who could not answer the questions themselves.

The NHANES 2013-2014 demographics questionnaires are available on the NHANES website at: <https://wwwn.cdc.gov/nchs/nhanes/continuousnhanes/questionnaires.aspx?BeginYear=2013>.

Quality Assurance & Quality Control

The CAPI system is programmed with built-in consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire.

After collection, interview data were reviewed by the NHANES field office staff for accuracy and completeness of selected items. The interviewers were required to record interviews periodically and the recorded interviews were reviewed by NCHS staff and interviewer supervisors.

Data Processing and Editing

Frequency counts were checked, “skip” patterns were verified, and the reasonableness of question responses was reviewed. Edits were made to some variables to ensure the completeness, consistency, and analytic usefulness of the data. Edits were also made, when necessary, to address data disclosure concerns.

SDDSRVYR: This variable represents the two-year data release cycle number.  A value of “8” denotes NHANES 2013–2014.

RIDSTATR: This status code is used to identify whether a participant was both interviewed at home and examined in the mobile examination center (MEC) or was only interviewed in the home but never went through the examination.

RIDAGEYR: Age in years, at the time of the screening interview, is reported for survey participants between the ages of 1 and 79 years of age. All responses of participants aged 80 years and older are coded as ‘80.’ The reporting of age in single years for adults 80 years and older was determined to be a disclosure risk. In NHANES 2013-2014, the weighted mean age for participants 80 years and older is 84 years.

RIDAGEYR was calculated based on the participant’s date of birth. In rare cases, the actual date of birth was missing but the participant’s age in years was provided, then the reported age was used.

RIDAGEMN: The age in months, at the time of the screening interview, is provided for participants who were less than 25 months of age at the time of examination (RIDEXAGM < 25). If the exact date of birth was not provided by the respondent, the age in months was calculated based on the imputed age in years at the time of the screening interview.

RIDEXAGM: The age in months, at the time of examination, is provided for participants who were less than 240 months of age at the time of examination (RIDEXAGM < 240).

RIDEXMON: This variable indicates the six-month time period when the examination was performed. A value of “1” indicates November 1st through April 30th; a value of “2” indicates May 1st through October 31st.

RIDRETH3: This is the race-ethnicity variable included in the demographics file since the 2011-2012 survey cycle to accommodate the oversample of non-Hispanic Asian. It was derived from responses to the survey questions on race and Hispanic origin. Respondents who self-identified as “Mexican American” were coded as such (i.e., RIDRETH3=1) regardless of their other race-ethnicity identities.  Otherwise, self-identified “Hispanic” ethnicity would result in code “2, Other Hispanic” in the RIDRETH3 variable. All other non-Hispanic participants would then be categorized based on their self-reported races: non-Hispanic white (RIDRETH3=3), non-Hispanic black (RIDRETH3=4), non-Hispanic Asian (RIDRETH3=6), and other non-Hispanic races including non-Hispanic multiracial (RIDRETH3=7).  Code “5” was not used in RIDRETH3.

RIDRETH1: This is the race-ethnicity variable that can be linked to the previous NHANES race-ethnicity variable in 1999-2010. Non-Hispanic Asian participants are grouped with other non-Hispanic races in code “5” (other non-Hispanic race including non-Hispanic multiracial) in RIDRETH1. Codes “6” and “7” were not used in RIDRETH1. Coding procedure for other categories in RIDRETH1 was compatible to RIDRETH3.

DMDBORN4: Due to the concerns of disclosure risk, starting in 2011, country of birth was recoded into two categories: 1) Born in 50 U.S. states or Washington, DC; and 2) Born in other countries, including U.S. territories.

DMDCITZN: Citizenship status is reported using two codes: 1) Citizen by birth or naturalization; or 2) Not a citizen of the U.S. Persons who were born in the U.S. or U.S. territories who acquired citizenship at birth were coded as U.S. citizens.

DMDMARTL: The marital status question was asked of persons 14 years of age and older. Due to disclosure risks, marital status is only released for persons 20 years of age and older.

RIDEXPRG: Pregnancy status at the time of the health examination was ascertained for females 8–59 years of age. Due to disclosure risks pregnancy status is only released for women 20-44 years of age. The information used to code RIDEXPRG values included self-reported pregnancy status and urine pregnancy test results. Persons who reported they were pregnant at the time of exam were assumed to be pregnant (RIDEXPRG=1). Those who reported they were not pregnant or did not know their pregnancy status were further classified based on the results of the urine pregnancy test. If the respondent reported “no” or “don’t know” and the urine test result was positive, the respondent was coded as pregnant (RIDEXPRG=1). If the respondent reported “no” and the urine test was negative, the respondent was coded not pregnant (RIDEXPRG=2). If the respondent reported did not know her pregnancy status and the urine test was negative, the respondent was coded "could not be determined” (RIDEXPRG=3). Persons who were interviewed, but not examined also have an RIDEXPRG value = 3 (could not be determined).

DMDYRSUS: This variable is the number of years the participant has lived in the United States. Participants who were born outside the U.S. were asked the month and year when they came to the U.S. to live (DMQ.160). A small number of records were imputed because the participant did not report the month of their arrival. A month value of 7 (July) was used to impute DMDYRSUS for these respondents. The responses to the question were recoded into 9 categories ranging from less than one year to 50 years or more.

DMDEDUC3: This variable provides information on the highest grade or level of education completed by participants 6-19 years of age. The responses were re-coded as follows: single years of education (grades 1-12), high school graduate/GED, and post-high school. Codes “55” (less than 5th grade) and “66” (less than 9th grade) were used to categorize older youth who had very low education levels.

DMDEDUC2: This variable is the highest grade or level of education completed by adults 20 years and older. The response categories are: less than 9th grade education, 9-11th grade education (includes 12th grade and no diploma), High school graduate/GED, some college or associates (AA) degree, and college graduate or higher.

DMQMILIZ: This is a variable included in the demographics file since the 2011-2012 survey cycle to provide information on whether the participant has ever served on active duty in the U.S. Armed Forces, military Reserves, or National Guard. Active duty does not include training for the Reserves or National Guard, but does include activation, for service in the U.S. or in a foreign country, in support of military or humanitarian operations.

Prior to 2011, the veteran status information (released in the variable DMQMILIT in the demographics file in 1999-2010) was collected in the survey using a question with different wording that asked if the participant had served in the U.S. Armed Forces.

DMQADFC: For participants who reported having served on active duty in the U.S. Armed Forces, this variable denotes whether the participant has ever served in a foreign country during a time of armed conflict or on a humanitarian or peace-keeping mission. This would include National Guard or reserve or active duty monitoring or conducting peace keeping operations in Bosnia and Kosovo, in the Sinai between Egypt and Israel, or in response to the 2004 tsunami or Haiti in 2010.

Similar to the 2011-2012 survey cycle, there are more detailed information on veterans collected in NHANES. Additional information for these veterans is available through the [NCHS RDC](https://www.cdc.gov/rdc/).

SIALANG: This variable indicates the language (English or Spanish) used during the sample person questionnaire interview conducted at the participant’s home.

SIAPROXY: This variable denotes whether a proxy respondent was used during the sample person questionnaire interview.

SIAINTRP: This variable denotes whether an interpreter was used during the sample person questionnaire interview. The language spoken by the respondent is only available through the [NCHS RDC](https://www.cdc.gov/rdc/).

FIALANG: This variable indicates the language used during the family questionnaire interview conducted at the participant’s home.

FIAPROXY: This variable denotes whether a proxy respondent was used to complete the family questionnaire interview.

FIAINTRP: This variable denotes whether an interpreter was used to complete the family questionnaire interview. The language spoken by the respondent is only available through the [NCHS RDC](https://www.cdc.gov/rdc/).

MIALANG: This variable indicates the language (English or Spanish) used for the CAPI portion of the MEC interview.

MIAPROXY: This variable denotes whether a proxy respondent was used during the CAPI portion of the MEC interview.

MIAINTRP: This variable denotes whether an interpreter was used during the CAPI portion of the MEC interview. The language spoken by the respondent is only available through the [NCHS RDC](https://www.cdc.gov/rdc/).

AIALANGZ: This variable indicates the language used for the audio-computer-assisted self-interviewing (ACASI) portion of the MEC interview. Starting 2011, the ACASI portion was translated into Chinese (traditional/Mandarin, simplified/Mandarin, and traditional/Cantonese), Korean, and Vietnamese to accommodate the Asian oversampling. The three categories reported are: 1) English, 2) Spanish, and 3) Asian languages.

INDFMIN2: This variable indicates the total annual family income or annual individual income (for households with one person or households comprised of unrelated individuals). A family is defined as a group of two people or more (one of whom is the householder) related by birth, marriage, or adoption and residing together.

During the household interview, the respondent was asked to report total income for the entire family (or individual) in the last calendar year in dollars. The reported dollar amount was re-coded into range values.

If the respondent was not willing or able to provide an exact dollar figure, the interviewer asked an additional question to determine whether the income was < $20,000 or ≥ $20,000. Based on the respondent’s answer to this question, he/she was asked to select a category of income from a list on a hand card. For respondents who selected a category of income, their family incomes were set as the midpoints of the selected ranges. If the respondent was unable to report greater detail than < $20,000 or ≥ $20,000, then these two categories were used to report the family (or individual) income.

INDFMPIR: This variable is the ratio of family income to poverty. The Department of Health and Human Services (HHS) poverty guidelines were used as the poverty measure to calculate this ratio. These guidelines are issued each year, in the Federal Register, for determining financial eligibility for certain federal programs, such as Head Start, Supplemental Nutrition Assistance Program (SNAP), Special Supplemental Nutrition Program for Women, Infants, and Children (WIC), and the National School Lunch Program. The poverty guidelines vary by family size and geographic location (with different guidelines for the 48 contiguous states and the District of Columbia; Alaska; and Hawaii).

INDFMPIR was calculated by dividing family (or individual) income by the poverty guidelines specific to the survey year. The value was not computed if the respondent only reported income as < $20,000 or ≥ $20,000. If family income was reported as a more detailed category, the midpoint of the range was used to compute the ratio. Values at or above 5.00 were coded as 5.00 or more because of disclosure concerns. The values were not computed if the income data was missing.

INDHHIN2: This variable indicates the total annual household income in dollar ranges. If a household was comprised of a single family or individual, the reported family income was used as household income as well. When more than one family, or one or more unrelated individuals, or a combination of a family and unrelated individuals resided in the household, the total household income was calculated by the sum of all reported family and/or individual income values. Please see above notes on variable INDFMIN2 for details on how the amounts of family income were determined.

When more than one family, or one or more unrelated individuals, or a combination of a family and unrelated individuals resided in the same household, they were asked to provide a total income estimate for the entire household, using similar questions as were used for family income. This estimated household income value was only used when: 1) the family income value was missing for one or more families in the household; and 2) the estimated value was equal or more than the sum of all known family incomes from the household. If different respondents in the household provided different estimates, the largest value was used. If none of the respondents provided a valid household income estimate, but the sum of known family and/or individual incomes was at least $100,000, then INDHHIN2 was categorized as “$100,000 and over.”

Similar to the family income category coding, the “$20,000 and over” and “under $20,000” categories were only used when no other valid value estimates were provided.

DMDFMSIZ: This variable is the number of people in the participant’s family. A family is defined as a group of people related by birth, marriage, or adoption and residing together. Due to disclosure concerns, families that are comprised of 7 or more people are included in the category that is labeled ‘7 or more’.

DMDHHSIZ: This variable is the number of people in the participant’s household. The values for this variable range from 1 to 7. Due to disclosure concerns, households that are comprised of 7 or more people are included in the category that is labeled ‘7 or more’.

DMDHHSZA: This variable is the number of children aged 5 years or younger living in the participant’s household. The values for this variable range from 0 to 3. Due to disclosure concerns, households that are comprised of 3 or more children aged 5 years or younger are included in the category that is labeled ‘3 or more’.

DMDHHSZB: This variable is the number of children aged 6-17 years old living in the participant’s household. The values for this variable range from 0 to 4. Due to disclosure concerns, households that are comprised of 4 or more children aged 6-17 years are included in the category that is labeled ‘4 or more’.

DMDHHSZE: This variable is the number of adults aged 60 years or older living in the participant’s household. The values for this variable range from 0 to 3. Due to disclosure concerns, households that are comprised of 3 or more adults aged 60 years or older are included in the category that is labeled ‘3 or more’.

Household Reference Person: The household reference person is defined as the first household member 18 years of age or older listed on the household member roster, who owns or rents the residence where members of the household reside. The household reference person is comparable to “family reference person” in NHANES programs prior to 1999. Analysts frequently use information about the reference persons to characterize the socioeconomic status of the households where survey participants reside. The demographics file includes information on the household reference person’s gender (DMDHRGND), age (DMDHRAGE), country of birth (DMDHRBR4), education level (DMDHREDU), and marital status (DMDHRMAR). Additionally, information on the education level of the household reference person’s spouse is included (DMDHSEDU).

Analytic Notes

As aforementioned, the sample design for NHANES 2011-14 includes an oversample of Asian Americans. For more details on sample design and related analytic issues, please refer to the NHANES Analytic Guidelines available at: <https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx>.

Age at screening: Age at screening was used to determine eligibility for an examination component and should be used for most analyses. However, when analyzing anthropometric data on children and youth from birth through 19 years, age in months at MEC examination was often the recommended age variable for analyses. To further facilitate these analyses, a variable, BMDBMIC, has been created as part of the Body Measures Exam file to provide analysts pre-computed BMI categories for children and adolescents aged 2 to 19 years at examination. For further details refer to the Body Measures Data File and Documentation.

DMDMARTL: Marital status is only released for persons 20 years of age and older because of potential disclosure risks. Prior to 2007, marital status was released for participants aged 14 and older. In NHANES 2013-2014, the number of married persons aged 14-19 is less than 2%.

RIDEXPRG: Because of possible disclosure risks, pregnancy status is only released for women aged 20-44 years. The percentage of pregnant women/girls aged 8-19 or 45-59 years is less than 1% in the 2013-2014 dataset.

Masked Variance Units (MVUs): Fifteen masked variance strata and 30 masked primary sampling units (PSUs) are included in the 2013-2014 NHANES demographics file. Each stratum has 2 PSUs. These MVUs are a collection of secondary sampling units that are aggregated into groups for the purpose of variance estimation. The variance estimates that are produced, using the MVUs, closely approximate the variances that would have been estimated using the “true” sample design variance units that are based on the actual survey sample strata and primary sampling units. MVUs are used to protect the confidentiality of information provided by survey participants and to reduce disclosure risks. The use of MVUs is described in the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx). Analysts should review the Guidelines carefully prior to analyzing the survey data.

Sample Weights: The 2-year sample weights (WTINT2YR, WTMEC2YR) should be used for all NHANES 2013-2014 analyses. Detailed instructions for combining datasets from previous NHANES cycles are provided in the NHANES Analytic Guidelines.

Please also refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

Disclosure risks and issues pertaining to confidentiality protection prevent NCHS from releasing all of the NHANES demographic variables publicly. Additional information may be accessed through the NCHS RDC. Instructions for requesting use of these data are available from <https://www.cdc.gov/rdc/>.

References

* U.S. Department of Health & Human Services. Poverty Guidelines, Research, and Measurement. Washington, DC: U.S. Department of Health & Human Services. <http://aspe.hhs.gov/POVERTY/index.shtml>

Codebook and Frequencies

SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 0 YEARS - 150 YEARS

SDDSRVYR - Data release cycle

Variable Name:

SDDSRVYR

SAS Label:

Data release cycle

English Text:

Data release cycle

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 8 | NHANES 2013-2014 public release | 10175 | 10175 |  |
| . | Missing | 0 | 10175 |  |

RIDSTATR - Interview/Examination status

Variable Name:

RIDSTATR

SAS Label:

Interview/Examination status

English Text:

Interview and examination status of the participant.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Interviewed only | 362 | 362 |  |
| 2 | Both interviewed and MEC examined | 9813 | 10175 |  |
| . | Missing | 0 | 10175 |  |

RIAGENDR - Gender

Variable Name:

RIAGENDR

SAS Label:

Gender

English Text:

Gender of the participant.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Male | 5003 | 5003 |  |
| 2 | Female | 5172 | 10175 |  |
| . | Missing | 0 | 10175 |  |

RIDAGEYR - Age in years at screening

Variable Name:

RIDAGEYR

SAS Label:

Age in years at screening

English Text:

Age in years of the participant at the time of screening. Individuals 80 and over are topcoded at 80 years of age.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 79 | Range of Values | 9823 | 9823 |  |
| 80 | 80 years of age and over | 352 | 10175 |  |
| . | Missing | 0 | 10175 |  |

RIDAGEMN - Age in months at screening - 0 to 24 mos

Variable Name:

RIDAGEMN

SAS Label:

Age in months at screening - 0 to 24 mos

English Text:

Age in months of the participant at the time of screening. Reported for persons aged 24 months or younger at the time of exam (or screening if not examined).

Target:

Both males and females 0 YEARS - 2 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 24 | Range of Values | 673 | 673 |  |
| . | Missing | 9502 | 10175 |  |

RIDRETH1 - Race/Hispanic origin

Variable Name:

RIDRETH1

SAS Label:

Race/Hispanic origin

English Text:

Recode of reported race and Hispanic origin information

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Mexican American | 1730 | 1730 |  |
| 2 | Other Hispanic | 960 | 2690 |  |
| 3 | Non-Hispanic White | 3674 | 6364 |  |
| 4 | Non-Hispanic Black | 2267 | 8631 |  |
| 5 | Other Race - Including Multi-Racial | 1544 | 10175 |  |
| . | Missing | 0 | 10175 |  |

RIDRETH3 - Race/Hispanic origin w/ NH Asian

Variable Name:

RIDRETH3

SAS Label:

Race/Hispanic origin w/ NH Asian

English Text:

Recode of reported race and Hispanic origin information, with Non-Hispanic Asian Category

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Mexican American | 1730 | 1730 |  |
| 2 | Other Hispanic | 960 | 2690 |  |
| 3 | Non-Hispanic White | 3674 | 6364 |  |
| 4 | Non-Hispanic Black | 2267 | 8631 |  |
| 6 | Non-Hispanic Asian | 1074 | 9705 |  |
| 7 | Other Race - Including Multi-Racial | 470 | 10175 |  |
| . | Missing | 0 | 10175 |  |

RIDEXMON - Six month time period

Variable Name:

RIDEXMON

SAS Label:

Six month time period

English Text:

Six month time period when the examination was performed - two categories: November 1 through April 30, May 1 through October 31.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | November 1 through April 30 | 4823 | 4823 |  |
| 2 | May 1 through October 31 | 4990 | 9813 |  |
| . | Missing | 362 | 10175 |  |

RIDEXAGM - Age in months at exam - 0 to 19 years

Variable Name:

RIDEXAGM

SAS Label:

Age in months at exam - 0 to 19 years

English Text:

Age in months of the participant at the time of examination. Reported for persons aged 19 years or younger at the time of examination.

Target:

Both males and females 0 YEARS - 19 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 239 | Range of Values | 4213 | 4213 |  |
| . | Missing | 5962 | 10175 |  |

DMQMILIZ - Served active duty in US Armed Forces

Variable Name:

DMQMILIZ

SAS Label:

Served active duty in US Armed Forces

English Text:

{Have you/Has SP} ever served on active duty in the U.S. Armed Forces, military Reserves, or National Guard? (Active duty does not include training for the Reserves or National Guard, but does include activation, for service in the U.S. or in a foreign country, in support of military or humanitarian operations.)

Target:

Both males and females 17 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 543 | 543 |  |
| 2 | No | 5717 | 6260 | DMDBORN4 |
| 7 | Refused | 1 | 6261 | DMDBORN4 |
| 9 | Don't Know | 0 | 6261 | DMDBORN4 |
| . | Missing | 3914 | 10175 |  |

DMQADFC - Served in a foreign country

Variable Name:

DMQADFC

SAS Label:

Served in a foreign country

English Text:

Did {you/SP} ever serve in a foreign country during a time of armed conflict or on a humanitarian or peace-keeping mission? (This would include National Guard or reserve or active duty monitoring or conducting peace keeping operations in Bosnia and Kosovo, in the Sinai between Egypt and Israel, or in response to the 2004 tsunami or Haiti in 2010.)

Target:

Both males and females 17 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 282 | 282 |  |
| 2 | No | 260 | 542 |  |
| 7 | Refused | 0 | 542 |  |
| 9 | Don't Know | 1 | 543 |  |
| . | Missing | 9632 | 10175 |  |

DMDBORN4 - Country of birth

Variable Name:

DMDBORN4

SAS Label:

Country of birth

English Text:

In what country {were you/was SP} born?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Born in 50 US states or Washington, DC | 8262 | 8262 |  |
| 2 | Others | 1908 | 10170 |  |
| 77 | Refused | 4 | 10174 |  |
| 99 | Don't Know | 1 | 10175 |  |
| . | Missing | 0 | 10175 |  |

DMDCITZN - Citizenship status

Variable Name:

DMDCITZN

SAS Label:

Citizenship status

English Text:

{Are you/Is SP} a citizen of the United States? [Information about citizenship is being collected by the U.S. Public Health Service to perform health related research. Providing this information is voluntary and is collected under the authority of the Public Health Service Act. There will be no effect on pending immigration or citizenship petitions.]

English Instructions:

HAND CARD DMQ2

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Citizen by birth or naturalization | 9220 | 9220 |  |
| 2 | Not a citizen of the US | 944 | 10164 |  |
| 7 | Refused | 4 | 10168 |  |
| 9 | Don't Know | 3 | 10171 |  |
| . | Missing | 4 | 10175 |  |

DMDYRSUS - Length of time in US

Variable Name:

DMDYRSUS

SAS Label:

Length of time in US

English Text:

Length of time the participant has been in the US.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Less than 1 year | 70 | 70 |  |
| 2 | 1 year or more, but less than 5 years | 170 | 240 |  |
| 3 | 5 year or more, but less than 10 years | 234 | 474 |  |
| 4 | 10 year or more, but less than 15 years | 298 | 772 |  |
| 5 | 15 year or more, but less than 20 years | 210 | 982 |  |
| 6 | 20 year or more, but less than 30 years | 342 | 1324 |  |
| 7 | 30 year or more, but less than 40 years | 246 | 1570 |  |
| 8 | 40 year or more, but less than 50 years | 146 | 1716 |  |
| 9 | 50 years or more | 106 | 1822 |  |
| 77 | Refused | 41 | 1863 |  |
| 99 | Don't Know | 45 | 1908 |  |
| . | Missing | 8267 | 10175 |  |

DMDEDUC3 - Education level - Children/Youth 6-19

Variable Name:

DMDEDUC3

SAS Label:

Education level - Children/Youth 6-19

English Text:

What is the highest grade or level of school {you have/SP has} completed or the highest degree {you have/s/he has} received?

English Instructions:

HAND CARD DMQ1 READ HAND CARD CATEGORIES IF NECESSARY ENTER HIGHEST LEVEL OF SCHOOL

Target:

Both males and females 6 YEARS - 19 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 | Never attended / kindergarten only | 277 | 277 |  |
| 1 | 1st grade | 237 | 514 |  |
| 2 | 2nd grade | 231 | 745 |  |
| 3 | 3rd grade | 215 | 960 |  |
| 4 | 4th grade | 234 | 1194 |  |
| 5 | 5th grade | 212 | 1406 |  |
| 6 | 6th grade | 178 | 1584 |  |
| 7 | 7th grade | 203 | 1787 |  |
| 8 | 8th grade | 189 | 1976 |  |
| 9 | 9th grade | 194 | 2170 |  |
| 10 | 10th grade | 162 | 2332 |  |
| 11 | 11th grade | 186 | 2518 |  |
| 12 | 12th grade, no diploma | 45 | 2563 |  |
| 13 | High school graduate | 137 | 2700 |  |
| 14 | GED or equivalent | 9 | 2709 |  |
| 15 | More than high school | 81 | 2790 |  |
| 55 | Less than 5th grade | 3 | 2793 |  |
| 66 | Less than 9th grade | 9 | 2802 |  |
| 77 | Refused | 0 | 2802 |  |
| 99 | Don't Know | 1 | 2803 |  |
| . | Missing | 7372 | 10175 |  |

DMDEDUC2 - Education level - Adults 20+

Variable Name:

DMDEDUC2

SAS Label:

Education level - Adults 20+

English Text:

What is the highest grade or level of school {you have/SP has} completed or the highest degree {you have/s/he has} received?

English Instructions:

HAND CARD DMQ1 READ HAND CARD CATEGORIES IF NECESSARY ENTER HIGHEST LEVEL OF SCHOOL

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Less than 9th grade | 455 | 455 |  |
| 2 | 9-11th grade (Includes 12th grade with no diploma) | 791 | 1246 |  |
| 3 | High school graduate/GED or equivalent | 1303 | 2549 |  |
| 4 | Some college or AA degree | 1770 | 4319 |  |
| 5 | College graduate or above | 1443 | 5762 |  |
| 7 | Refused | 2 | 5764 |  |
| 9 | Don't Know | 5 | 5769 |  |
| . | Missing | 4406 | 10175 |  |

DMDMARTL - Marital status

Variable Name:

DMDMARTL

SAS Label:

Marital status

English Text:

Marital status

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Married | 2965 | 2965 |  |
| 2 | Widowed | 436 | 3401 |  |
| 3 | Divorced | 659 | 4060 |  |
| 4 | Separated | 177 | 4237 |  |
| 5 | Never married | 1112 | 5349 |  |
| 6 | Living with partner | 417 | 5766 |  |
| 77 | Refused | 2 | 5768 |  |
| 99 | Don't Know | 1 | 5769 |  |
| . | Missing | 4406 | 10175 |  |

RIDEXPRG - Pregnancy status at exam

Variable Name:

RIDEXPRG

SAS Label:

Pregnancy status at exam

English Text:

Pregnancy status for females between 20 and 44 years of age at the time of MEC exam.

Target:

Females only 20 YEARS - 44 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes, positive lab pregnancy test or self-reported pregnant at exam | 65 | 65 |  |
| 2 | The participant was not pregnant at exam | 1150 | 1215 |  |
| 3 | Cannot ascertain if the participant is pregnant at exam | 94 | 1309 |  |
| . | Missing | 8866 | 10175 |  |

SIALANG - Language of SP Interview

Variable Name:

SIALANG

SAS Label:

Language of SP Interview

English Text:

Language of the Sample Person Interview Instrument

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | English | 9100 | 9100 |  |
| 2 | Spanish | 1075 | 10175 |  |
| . | Missing | 0 | 10175 |  |

SIAPROXY - Proxy used in SP Interview?

Variable Name:

SIAPROXY

SAS Label:

Proxy used in SP Interview?

English Text:

Was a Proxy respondent used in conducting the Sample Person (SP) interview?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 3757 | 3757 |  |
| 2 | No | 6417 | 10174 |  |
| . | Missing | 1 | 10175 |  |

SIAINTRP - Interpreter used in SP Interview?

Variable Name:

SIAINTRP

SAS Label:

Interpreter used in SP Interview?

English Text:

Was an interpreter used to conduct the Sample Person (SP) interview?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 342 | 342 |  |
| 2 | No | 9833 | 10175 |  |
| . | Missing | 0 | 10175 |  |

FIALANG - Language of Family Interview

Variable Name:

FIALANG

SAS Label:

Language of Family Interview

English Text:

Language of the Family Interview Instrument

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | English | 9417 | 9417 |  |
| 2 | Spanish | 637 | 10054 |  |
| . | Missing | 121 | 10175 |  |

FIAPROXY - Proxy used in Family Interview?

Variable Name:

FIAPROXY

SAS Label:

Proxy used in Family Interview?

English Text:

Was a Proxy respondent used in conducting the Family Interview?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 13 | 13 |  |
| 2 | No | 10041 | 10054 |  |
| . | Missing | 121 | 10175 |  |

FIAINTRP - Interpreter used in Family Interview?

Variable Name:

FIAINTRP

SAS Label:

Interpreter used in Family Interview?

English Text:

Was an interpreter used to conduct the Family interview?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 311 | 311 |  |
| 2 | No | 9743 | 10054 |  |
| . | Missing | 121 | 10175 |  |

MIALANG - Language of MEC Interview

Variable Name:

MIALANG

SAS Label:

Language of MEC Interview

English Text:

Language of the MEC CAPI Interview Instrument

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | English | 6904 | 6904 |  |
| 2 | Spanish | 407 | 7311 |  |
| . | Missing | 2864 | 10175 |  |

MIAPROXY - Proxy used in MEC Interview?

Variable Name:

MIAPROXY

SAS Label:

Proxy used in MEC Interview?

English Text:

Was a Proxy respondent used in conducting the MEC CAPI Interview?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 48 | 48 |  |
| 2 | No | 7264 | 7312 |  |
| . | Missing | 2863 | 10175 |  |

MIAINTRP - Interpreter used in MEC Interview?

Variable Name:

MIAINTRP

SAS Label:

Interpreter used in MEC Interview?

English Text:

Was an interpreter used to conduct the MEC CAPI interview?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 247 | 247 |  |
| 2 | No | 7066 | 7313 |  |
| . | Missing | 2862 | 10175 |  |

AIALANGA - Language of ACASI Interview

Variable Name:

AIALANGA

SAS Label:

Language of ACASI Interview

English Text:

Language of the MEC ACASI Interview Instrument

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | English | 5762 | 5762 |  |
| 2 | Spanish | 482 | 6244 |  |
| 3 | Asian languages | 73 | 6317 |  |
| . | Missing | 3858 | 10175 |  |

DMDHHSIZ - Total number of people in the Household

Variable Name:

DMDHHSIZ

SAS Label:

Total number of people in the Household

English Text:

Total number of people in the Household

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | 1 | 817 | 817 |  |
| 2 | 2 | 1787 | 2604 |  |
| 3 | 3 | 1779 | 4383 |  |
| 4 | 4 | 2100 | 6483 |  |
| 5 | 5 | 1781 | 8264 |  |
| 6 | 6 | 985 | 9249 |  |
| 7 | 7 or more people in the Household | 926 | 10175 |  |
| . | Missing | 0 | 10175 |  |

DMDFMSIZ - Total number of people in the Family

Variable Name:

DMDFMSIZ

SAS Label:

Total number of people in the Family

English Text:

Total number of people in the Family

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | 1 | 1297 | 1297 |  |
| 2 | 2 | 1610 | 2907 |  |
| 3 | 3 | 1737 | 4644 |  |
| 4 | 4 | 2027 | 6671 |  |
| 5 | 5 | 1723 | 8394 |  |
| 6 | 6 | 961 | 9355 |  |
| 7 | 7 or more people in the Family | 820 | 10175 |  |
| . | Missing | 0 | 10175 |  |

DMDHHSZA - # of children 5 years or younger in HH

Variable Name:

DMDHHSZA

SAS Label:

# of children 5 years or younger in HH

English Text:

Number of children aged 5 years or younger in the household

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 | 0 | 6417 | 6417 |  |
| 1 | 1 | 2341 | 8758 |  |
| 2 | 2 | 1068 | 9826 |  |
| 3 | 3 or more | 349 | 10175 |  |
| . | Missing | 0 | 10175 |  |

DMDHHSZB - # of children 6-17 years old in HH

Variable Name:

DMDHHSZB

SAS Label:

# of children 6-17 years old in HH

English Text:

Number of children aged 6-17 years old in the household

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 | 0 | 4907 | 4907 |  |
| 1 | 1 | 2099 | 7006 |  |
| 2 | 2 | 1814 | 8820 |  |
| 3 | 3 | 887 | 9707 |  |
| 4 | 4 or more | 468 | 10175 |  |
| . | Missing | 0 | 10175 |  |

DMDHHSZE - # of adults 60 years or older in HH

Variable Name:

DMDHHSZE

SAS Label:

# of adults 60 years or older in HH

English Text:

Number of adults aged 60 years or older in the household

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 | 0 | 7384 | 7384 |  |
| 1 | 1 | 1612 | 8996 |  |
| 2 | 2 | 1114 | 10110 |  |
| 3 | 3 or more | 65 | 10175 |  |
| . | Missing | 0 | 10175 |  |

DMDHRGND - HH ref person's gender

Variable Name:

DMDHRGND

SAS Label:

HH ref person's gender

English Text:

HH reference person's gender

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Male | 5088 | 5088 |  |
| 2 | Female | 5087 | 10175 |  |
| . | Missing | 0 | 10175 |  |

DMDHRAGE - HH ref person's age in years

Variable Name:

DMDHRAGE

SAS Label:

HH ref person's age in years

English Text:

HH reference person's age in years

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 18 to 79 | Range of Values | 9815 | 9815 |  |
| 80 | 80 years of age and over | 360 | 10175 |  |
| . | Missing | 0 | 10175 |  |

DMDHRBR4 - HH ref person's country of birth

Variable Name:

DMDHRBR4

SAS Label:

HH ref person's country of birth

English Text:

HH reference person's country of birth

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Born in 50 US states or Washington, DC | 6894 | 6894 |  |
| 2 | Others | 2972 | 9866 |  |
| 77 | Refused | 12 | 9878 |  |
| 99 | Don't Know | 0 | 9878 |  |
| . | Missing | 297 | 10175 |  |

DMDHREDU - HH ref person's education level

Variable Name:

DMDHREDU

SAS Label:

HH ref person's education level

English Text:

HH reference person's education level

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Less Than 9th Grade | 785 | 785 |  |
| 2 | 9-11th Grade (Includes 12th grade with no diploma) | 1405 | 2190 |  |
| 3 | High School Grad/GED or Equivalent | 2282 | 4472 |  |
| 4 | Some College or AA degree | 2969 | 7441 |  |
| 5 | College Graduate or above | 2413 | 9854 |  |
| 7 | Refused | 9 | 9863 |  |
| 9 | Don't Know | 18 | 9881 |  |
| . | Missing | 294 | 10175 |  |

DMDHRMAR - HH ref person's marital status

Variable Name:

DMDHRMAR

SAS Label:

HH ref person's marital status

English Text:

HH reference person's marital status

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Married | 5843 | 5843 |  |
| 2 | Widowed | 532 | 6375 |  |
| 3 | Divorced | 1087 | 7462 |  |
| 4 | Separated | 396 | 7858 |  |
| 5 | Never married | 1340 | 9198 |  |
| 6 | Living with partner | 801 | 9999 |  |
| 77 | Refused | 46 | 10045 |  |
| 99 | Don't Know | 7 | 10052 |  |
| . | Missing | 123 | 10175 |  |

DMDHSEDU - HH ref person's spouse's education level

Variable Name:

DMDHSEDU

SAS Label:

HH ref person's spouse's education level

English Text:

HH reference person's spouse's education level

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Less Than 9th Grade | 496 | 496 |  |
| 2 | 9-11th Grade (Includes 12th grade with no diploma) | 632 | 1128 |  |
| 3 | High School Grad/GED or Equivalent | 1063 | 2191 |  |
| 4 | Some College or AA degree | 1470 | 3661 |  |
| 5 | College Graduate or above | 1664 | 5325 |  |
| 7 | Refused | 1 | 5326 |  |
| 9 | Don't Know | 16 | 5342 |  |
| . | Missing | 4833 | 10175 |  |

WTINT2YR - Full sample 2 year interview weight

Variable Name:

WTINT2YR

SAS Label:

Full sample 2 year interview weight

English Text:

Full sample 2 year interview weight.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 3697.772098 to 167884.54371 | Range of Values | 10175 | 10175 |  |
| . | Missing | 0 | 10175 |  |

WTMEC2YR - Full sample 2 year MEC exam weight

Variable Name:

WTMEC2YR

SAS Label:

Full sample 2 year MEC exam weight

English Text:

Full sample 2 year MEC exam weight.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 3748.417657 to 171395.2649 | Range of Values | 9813 | 9813 |  |
| 0 | Not MEC Examined | 362 | 10175 |  |
| . | Missing | 0 | 10175 |  |

SDMVPSU - Masked variance pseudo-PSU

Variable Name:

SDMVPSU

SAS Label:

Masked variance pseudo-PSU

English Text:

Masked variance unit pseudo-PSU variable for variance estimation

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 2 | Range of Values | 10175 | 10175 |  |
| . | Missing | 0 | 10175 |  |

SDMVSTRA - Masked variance pseudo-stratum

Variable Name:

SDMVSTRA

SAS Label:

Masked variance pseudo-stratum

English Text:

Masked variance unit pseudo-stratum variable for variance estimation

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 104 to 118 | Range of Values | 10175 | 10175 |  |
| . | Missing | 0 | 10175 |  |

INDHHIN2 - Annual household income

Variable Name:

INDHHIN2

SAS Label:

Annual household income

English Text:

Total household income (reported as a range value in dollars)

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | $ 0 to $ 4,999 | 273 | 273 |  |
| 2 | $ 5,000 to $ 9,999 | 407 | 680 |  |
| 3 | $10,000 to $14,999 | 639 | 1319 |  |
| 4 | $15,000 to $19,999 | 658 | 1977 |  |
| 5 | $20,000 to $24,999 | 880 | 2857 |  |
| 6 | $25,000 to $34,999 | 1185 | 4042 |  |
| 7 | $35,000 to $44,999 | 913 | 4955 |  |
| 8 | $45,000 to $54,999 | 764 | 5719 |  |
| 9 | $55,000 to $64,999 | 521 | 6240 |  |
| 10 | $65,000 to $74,999 | 378 | 6618 |  |
| 12 | $20,000 and Over | 323 | 6941 |  |
| 13 | Under $20,000 | 133 | 7074 |  |
| 14 | $75,000 to $99,999 | 860 | 7934 |  |
| 15 | $100,000 and Over | 1781 | 9715 |  |
| 77 | Refused | 252 | 9967 |  |
| 99 | Don't know | 75 | 10042 |  |
| . | Missing | 133 | 10175 |  |

INDFMIN2 - Annual family income

Variable Name:

INDFMIN2

SAS Label:

Annual family income

English Text:

Total family income (reported as a range value in dollars)

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | $ 0 to $ 4,999 | 375 | 375 |  |
| 2 | $ 5,000 to $ 9,999 | 467 | 842 |  |
| 3 | $10,000 to $14,999 | 691 | 1533 |  |
| 4 | $15,000 to $19,999 | 706 | 2239 |  |
| 5 | $20,000 to $24,999 | 897 | 3136 |  |
| 6 | $25,000 to $34,999 | 1182 | 4318 |  |
| 7 | $35,000 to $44,999 | 913 | 5231 |  |
| 8 | $45,000 to $54,999 | 740 | 5971 |  |
| 9 | $55,000 to $64,999 | 502 | 6473 |  |
| 10 | $65,000 to $74,999 | 381 | 6854 |  |
| 12 | $20,000 and Over | 219 | 7073 |  |
| 13 | Under $20,000 | 129 | 7202 |  |
| 14 | $75,000 to $99,999 | 835 | 8037 |  |
| 15 | $100,000 and Over | 1701 | 9738 |  |
| 77 | Refused | 246 | 9984 |  |
| 99 | Don't know | 68 | 10052 |  |
| . | Missing | 123 | 10175 |  |

INDFMPIR - Ratio of family income to poverty

Variable Name:

INDFMPIR

SAS Label:

Ratio of family income to poverty

English Text:

A ratio of family income to poverty guidelines.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 4.99 | Range of Values | 7974 | 7974 |  |
| 5 | Value greater than or equal to 5.00 | 1416 | 9390 |  |
| . | Missing | 785 | 10175 |  |

**Examination Data**

**Blood Pressure**

Blood Pressure (BPX\_H)

Data File: BPX\_H.xpt

First Published: October 2015

Last Revised: NA

Component Description

This section provides data for three consecutive blood pressure (BP) measurements and other methodological measurements to obtain an accurate blood pressure.

Eligible Sample

Heart rate is measured on all children 0-7 years of age; radial pulse is measured on participants 8 years and older; and blood pressure (BP) is measured on all participants 8 years and older.

Protocol and Procedure

After resting quietly in a seated position for 5 minutes and once the participants maximum inflation level (MIL) has been determined, three consecutive blood pressure readings are obtained. If a blood pressure measurement is interrupted or incomplete, a fourth attempt may be made. All BP determinations (systolic and diastolic) are taken in the mobile examination center (MEC). Participants with any of the following on both arms were excluded from the exam: rashes, gauze dressings, casts, edema, paralysis, tubes, open sores or wounds, withered arms, a-v shunts, radical mastectomy, or if BP cuff does not fit on the arm.

Quality Assurance & Quality Control

The BP examiners are certified for blood pressure measurement through a training program from Shared Care Research and Education Consulting. Certification is achieved when physician examiners meet all requirements of the training program. The initial training includes:

* didactic instruction about BP measurement and propensity for error;
* listening to systolic and diastolic BP sounds using a standardized audio-video tape presentation;
* an audio-video tape test;
* a written exam; and
* simultaneously listening to BP on a minimum of 20 volunteers, of all ages, through a Y- stethoscope to compare measures with a gold standard instructor who does the same.

Certification requires a score of 100 percent on the audio-video tape test. Correct answers on the audio-video tape test require the examiner’s answers and the standardized test answers to be within +/- 2mm of mercury (Hg) on 92 percent of 24 measures (12 systolic, 12 diastolic), and within +/- 4mmHg on 100 percent of 24 measures (12 systolic, 12 diastolic).  
  
For more details on the QA/QC process for this component, please refer to the Physician Examination Manual located on the NHANES website at the following link: <https://wwwn.cdc.gov/nchs/nhanes/continuousnhanes/manuals.aspx?BeginYear=2013>

Data Processing and Editing

The following are some specifications used in capturing the BP data:

Systolic blood pressure and maximum inflation level cannot be greater than 300 mmHg;

Systolic and diastolic blood pressure measurements and the maximum inflation level can be even numbers only;

Systolic blood pressure must be greater than diastolic blood pressure;

If there is no systolic blood pressure, there can be no diastolic blood pressure. (There can be a systolic measurement without a diastolic measurement.); and

Diastolic blood pressure can be zero.

Analytic Notes

        Changes Since 2011-2012:

| Discontinued Questions | | | |
| --- | --- | --- | --- |
| BPQ150A | BPQ150B | BPQ150C | BPQ150D |

Exam sample weights should be used for analyses. Please refer to the NHANES Analytic Guidelines (<https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx>) and the on-line NHANES Tutorial (<https://www.cdc.gov/nchs/tutorials/>) for further details on the use of sample weights and other analytic issues.

Codebook and Frequencies

SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 0 YEARS - 150 YEARS

PEASCST1 - Blood Pressure Status

Variable Name:

PEASCST1

SAS Label:

Blood Pressure Status

English Text:

Blood Pressure Status

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Complete | 9493 | 9493 |  |
| 2 | Partial | 3 | 9496 |  |
| 3 | Not done | 317 | 9813 |  |
| . | Missing | 0 | 9813 |  |

PEASCTM1 - Blood Pressure Time in Seconds

Variable Name:

PEASCTM1

SAS Label:

Blood Pressure Time in Seconds

English Text:

Blood Pressure Time in Seconds

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 7 to 2868 | Range of Values | 9508 | 9508 |  |
| . | Missing | 305 | 9813 |  |

PEASCCT1 - Blood Pressure Comment

Variable Name:

PEASCCT1

SAS Label:

Blood Pressure Comment

English Text:

Blood Pressure Comment

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Safety exclusion | 4 | 4 |  |
| 2 | SP refusal | 16 | 20 |  |
| 3 | No time | 7 | 27 |  |
| 4 | Physical limitation | 14 | 41 |  |
| 5 | Communication problem | 1 | 42 |  |
| 6 | Equipment failure | 1 | 43 |  |
| 7 | SP ill/emergency | 12 | 55 |  |
| 56 | Came late/left early | 184 | 239 |  |
| 72 | Error (technician/software/supply) | 3 | 242 |  |
| 84 | SP with child | 4 | 246 |  |
| 99 | Other, specify | 69 | 315 |  |
| 122 | Language barrier | 5 | 320 |  |
| . | Missing | 9493 | 9813 |  |

BPXCHR - 60 sec HR (30 sec HR \* 2)

Variable Name:

BPXCHR

SAS Label:

60 sec HR (30 sec HR \* 2)

English Text:

60 sec HR (30 sec HR \* 2)

Target:

Both males and females 0 YEARS - 7 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 60 to 178 | Range of Values | 1961 | 1961 |  |
| . | Missing | 7852 | 9813 |  |

BPAARM - Arm selected

Variable Name:

BPAARM

SAS Label:

Arm selected

English Text:

Arm selected:

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Right | 7480 | 7480 |  |
| 2 | Left | 54 | 7534 |  |
| 8 | Could not obtain | 1 | 7535 |  |
| . | Missing | 2278 | 9813 |  |

BPACSZ - Coded cuff size

Variable Name:

BPACSZ

SAS Label:

Coded cuff size

English Text:

Cuff size (cm) (width X length)

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Infant (6X12) | 2 | 2 |  |
| 2 | Child (9X17) | 450 | 452 |  |
| 3 | Adult (12X22) | 2590 | 3042 |  |
| 4 | Large (15X32) | 3452 | 6494 |  |
| 5 | Thigh (18X35) | 1048 | 7542 |  |
| . | Missing | 2271 | 9813 |  |

BPXPLS - 60 sec. pulse (30 sec. pulse \* 2)

Variable Name:

BPXPLS

SAS Label:

60 sec. pulse (30 sec. pulse \* 2)

English Text:

60 sec. pulse (30 sec. pulse \* 2)

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 40 to 180 | Range of Values | 7549 | 7549 |  |
| . | Missing | 2264 | 9813 |  |

BPXPULS - Pulse regular or irregular?

Variable Name:

BPXPULS

SAS Label:

Pulse regular or irregular?

English Text:

Pulse regular or irregular?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Regular | 9381 | 9381 |  |
| 2 | Irregular | 130 | 9511 |  |
| . | Missing | 302 | 9813 |  |

BPXPTY - Pulse type

Variable Name:

BPXPTY

SAS Label:

Pulse type

English Text:

Pulse type

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Radial | 7531 | 7531 |  |
| 2 | Brachial | 33 | 7564 |  |
| 8 | Could not obtain | 0 | 7564 |  |
| . | Missing | 2249 | 9813 |  |

BPXML1 - MIL: maximum inflation levels (mm Hg)

Variable Name:

BPXML1

SAS Label:

MIL: maximum inflation levels (mm Hg)

English Text:

MIL: maximum inflation levels (mm Hg)

Target:

Both males and females 8 YEARS - 150 YEARS

Hard Edits:

70.0000 to 300.0000

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 100 to 240 | Range of Values | 7539 | 7539 |  |
| 888 | Could not obtain | 14 | 7553 |  |
| . | Missing | 2260 | 9813 |  |

BPXSY1 - Systolic: Blood pres (1st rdg) mm Hg

Variable Name:

BPXSY1

SAS Label:

Systolic: Blood pres (1st rdg) mm Hg

English Text:

Systolic: Blood pressure (first reading) mm Hg

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 66 to 228 | Range of Values | 7172 | 7172 |  |
| . | Missing | 2641 | 9813 |  |

BPXDI1 - Diastolic: Blood pres (1st rdg) mm Hg

Variable Name:

BPXDI1

SAS Label:

Diastolic: Blood pres (1st rdg) mm Hg

English Text:

Diastolic: Blood pressure (first reading) mm Hg

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 122 | Range of Values | 7172 | 7172 |  |
| . | Missing | 2641 | 9813 |  |

BPAEN1 - Enhancement used first reading

Variable Name:

BPAEN1

SAS Label:

Enhancement used first reading

English Text:

Enhancement used first reading

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 85 | 85 |  |
| 2 | No | 7454 | 7539 |  |
| 8 | Could not obtain | 0 | 7539 |  |
| . | Missing | 2274 | 9813 |  |

BPXSY2 - Systolic: Blood pres (2nd rdg) mm Hg

Variable Name:

BPXSY2

SAS Label:

Systolic: Blood pres (2nd rdg) mm Hg

English Text:

Systolic: Blood pressure (second reading) mm Hg

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 66 to 230 | Range of Values | 7409 | 7409 |  |
| . | Missing | 2404 | 9813 |  |

BPXDI2 - Diastolic: Blood pres (2nd rdg) mm Hg

Variable Name:

BPXDI2

SAS Label:

Diastolic: Blood pres (2nd rdg) mm Hg

English Text:

Diastolic: Blood pressure (second reading) mm Hg

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 116 | Range of Values | 7409 | 7409 |  |
| . | Missing | 2404 | 9813 |  |

BPAEN2 - Enhancement used second reading

Variable Name:

BPAEN2

SAS Label:

Enhancement used second reading

English Text:

Enhancement used second reading

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 347 | 347 |  |
| 2 | No | 7190 | 7537 |  |
| 8 | Could not obtain | 0 | 7537 |  |
| . | Missing | 2276 | 9813 |  |

BPXSY3 - Systolic: Blood pres (3rd rdg) mm Hg

Variable Name:

BPXSY3

SAS Label:

Systolic: Blood pres (3rd rdg) mm Hg

English Text:

Systolic: Blood pressure (third reading) mm Hg

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 62 to 228 | Range of Values | 7408 | 7408 |  |
| . | Missing | 2405 | 9813 |  |

BPXDI3 - Diastolic: Blood pres (3rd rdg) mm Hg

Variable Name:

BPXDI3

SAS Label:

Diastolic: Blood pres (3rd rdg) mm Hg

English Text:

Diastolic: Blood pressure (third reading) mm Hg

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 118 | Range of Values | 7408 | 7408 |  |
| . | Missing | 2405 | 9813 |  |

BPAEN3 - Enhancement used third reading

Variable Name:

BPAEN3

SAS Label:

Enhancement used third reading

English Text:

Enhancement used third reading

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 276 | 276 |  |
| 2 | No | 7261 | 7537 |  |
| 8 | Could not obtain | 0 | 7537 |  |
| . | Missing | 2276 | 9813 |  |

BPXSY4 - Systolic: Blood pres (4th rdg) mm Hg

Variable Name:

BPXSY4

SAS Label:

Systolic: Blood pres (4th rdg) mm Hg

English Text:

Systolic: Blood pressure (fourth reading if necessary) mm Hg

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 80 to 212 | Range of Values | 515 | 515 |  |
| . | Missing | 9298 | 9813 |  |

BPXDI4 - Diastolic: Blood pres (4th rdg) mm Hg

Variable Name:

BPXDI4

SAS Label:

Diastolic: Blood pres (4th rdg) mm Hg

English Text:

Diastolic: Blood pressure (fourth reading if necessary) mm Hg

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 128 | Range of Values | 515 | 515 |  |
| . | Missing | 9298 | 9813 |  |

BPAEN4 - Enhancement used fourth reading

Variable Name:

BPAEN4

SAS Label:

Enhancement used fourth reading

English Text:

Enhancement used fourth reading

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 68 | 68 |  |
| 2 | No | 494 | 562 |  |
| 8 | Could not obtain | 0 | 562 |  |
| . | Missing | 9251 | 9813 |  |

**Body Measures**

Body Measures (BMX\_H)

Data File: BMX\_H.xpt

First Published: October 2015

Last Revised: NA

Component Description

NHANES body measures data are used to monitor trends in infant and child growth, to estimate the prevalence of overweight and obesity in the U.S. children, adolescents, and adults, and to examine the associations between body weight and the health and nutritional status of the U.S. population. The new collected Sagittal Abdominal Diameter (SAD) data will be used to establish population based reference ranges, and to improve the health risk assessments associated with body weight and obesity.

The measurements and target age groups for the NHANES 2013–2014 body measures component are as follows:

* Weight: All ages
* Head circumference: birth through 6 months of age
* Recumbent length: birth through 47 months of age
* Standing height: 2 years and older
* Upper leg length: 8 years and older
* Upper arm length: 2 months of age and older
* Mid-upper arm circumference: 2 months of age and older
* Waist circumference: 2 years of age and older
* Sagittal abdominal diameter: 8 years of age and older

Eligible Sample

All survey participants were eligible for the body measures component. Pregnant women and persons who weighed more than 600 pounds were excluded from the sagittal abdominal diameter measurement. For all other measurements, there were no medical, safety, or other exclusions for the body measurements protocol. The health technicians used their discretion to obtain as many measures as practical for persons who used a wheelchair.

Protocol and Procedure

The body measures data were collected, in the Mobile Examination Center (MEC), by trained health technicians. The health technician was assisted by a recorder during the body measures examination. The participant’s age at the time of the screening interview determined the body measures examination protocol. In some instances, the age at the screening interview and age at the time of the health examination differed by several weeks. The Demographics data file includes variables for age in years at screening (RIDAGEYR) for all participants. It also includes variables for age in months at screening (RIDAGEMN) and age in months at examination (RIDEXAGM) for participants aged 0 to 24 months, and age in years at examination (RIDEXAGY) for participants aged 2 to 19 years. Data on age in months at screening and age in months at examination for participants in other age groups are available through the NCHS Research Data Center (RDC).

Arm and leg measurements were made on the right side of the body. If a participant had an amputation, medical condition, or medical appliance, such as a cast, that prevented measurements from being taken on the right side of the body, the health technician took measurements on the left side. The body measurements file does not identify participants who had amputations because that information may be considered identifiable and pose a disclosure concern. The body weight data for participants who had limb amputations were set to “missing.”

This data file includes body measures for women who were pregnant at the time of their health examination. Pregnancy status at the time of the health examination is indicated by the variable, RIDEXPRG, in the Demographic data file. RIDEXPRG values are reported for women 20–44 years of age. RIDEXPRG for several pregnant women who were outside of this age range are not reported due to disclosure concerns. The body measures data for these participants are not reported.

Please refer to the NHANES 2013-2014 Anthropometry Procedures Manual (<https://wwwn.cdc.gov/nchs/data/nhanes/2013-2014/manuals/2013_anthropometry.pdf>) for further details on obtaining body measurements.

Quality Assurance & Quality Control

The NHANES health technicians completed a 2-day training program with survey staff and an expert anthropometrist. The training included an overview of the component, using the NHANES III anthropometry video, and demonstrations conducted by the expert examiner with volunteer subjects. The expert examiner reviewed and demonstrated the proper technique to use for each measurement. Supervised practice exercises followed, conducted with several volunteer subjects, including infants, children, and adults. The chief health technician, at each of the MECs, monitored staff performance in the field. Health technician performance was also monitored using direct observation, data reviews, and periodic expert examiner (gold standard comparison) evaluations.

The body measures examination rooms in each of the MECs were identical with respect to layout and equipment. Scheduled equipment calibration was performed by the health technicians and verified by supervisory staff. The Anthropometry Procedures Manual includes detailed descriptions of the quality assurance and quality control measures that are used in the NHANES anthropometry/body measures component.

Data Processing and Editing

The 2013–2014 data were reviewed for unusual and erroneous values. Review criteria were based on the NHANES 1999–2012 body measurement data. During the data review, values that were above the 99th percentile or below the 1st percentile, for a particular age or age-gender group, were flagged for review. When records were flagged, the entire body measurements record was reviewed for reasonableness. Subject characteristics such as height, weight, age and gender were taken into consideration. Values that were determined to be unrealistic were deleted from the file. None of the original body measures data were changed and there are no imputed values in this file.

Body Mass Index (BMXBMI):  
Body Mass Index (BMI) was calculated as weight in kilograms divided by height in meters squared, and then rounded to one decimal place.

BMI Category – Children/Adolescents (BMDBMIC):  
This variable was created for children and adolescents aged 2 to 19 years at examination. Cutoff criteria are based on the Centers for Disease Control and Prevention's sex-specific 2000 BMI-for-age growth charts for the United States. Age in months at examination was used to match age in months from BMI growth chart data, separately for males and females. There are four codes:

    1. Underweight (BMI < 5th percentile)   
    2. Normal weight (BMI 5th to < 85th percentiles)   
    3. Overweight (BMI 85th to < 95th percentiles)   
    4. Obese (BMI ≥ 95th percentile)

Average sagittal abdominal diameter (BMDAVSAD):  
This variable was created by averaging up to four SAD readings. The majority of survey participants have two readings (BMXSAD1, and BMXSAD2); as such, these two readings were used to obtain mean of SAD value. If there were four SAD readings (BMXSAD1, BMXSAD2, BMXSAD3, and BMXSAD4) because the difference between the first and second SAD measurements was greater than 0.5 cm, then three closest SAD readings were used to obtain mean of SAD value (Stein AD et al, American Journal of Clinical Nutrition 2007; 85(3): 869-876). In a few instances where two outlying measurements are equally distant from the means of the two closest measurements, then all four readings were used to obtain mean of SAD value.

Sagittal abdominal diameter comment (BMDSADCM):  
This variable was created by regrouping all comments for sagittal abdominal diameter measurement. BMDSADCM was coded as 1 if health technicians could not obtain sagittal abdominal diameter measurement. BMDSADCM were coded as 2, 3, and 4 sequentially if original comments recorded during the sagittal abdominal diameter measurement were “SP unable to comply with exam instruction,” “SP discomfort,” and “Use of positioning cushion.” BMDSADCM was coded as 5 for all other comments, including scar or navel interfering with measures and problem of handing caliper or reading number.

Analytic Notes

Component status code: A final body measures component status code (BMDSTATS) provides analysts with a quick method of identifying survey participants with complete or partial body measurement data.

Unusual values: Unusual body measures values were noted during the review of the data. Typically, unusual values occurred when a subject was extremely short, tall, overweight or underweight. In addition, the upper arm length (BMXARML) and upper leg length (BMXLEG) values may be affected by extreme amounts of adipose tissue. Analysts should examine the distributions of the body measurements carefully and consider whether or not it is appropriate to include or exclude extreme values in a given analysis.

Comment codes: Comment codes were added by the health technicians, during data collection, to document problems or situations that arose during the body measures examination. For example, the variable BMIWT is a comment code for the body weight measurement. If a participant did not change into the NHANES exam gown, a code of BMIWT of “3” denoting “clothing worn” was made in the record. Analysts should review the comment code information for each of the body measures prior to data analysis.

Weight status classification: BMI, expressed as weight in kilograms divided by height in meters squared (kg/m2), is commonly used to classify weight status. The definitions of underweight, normal weight, overweight, and obesity in children and adolescents are not directly comparable with the definitions in adults. The age-and sex-specific 5th, 85th, and 95th percentiles of the 2000 CDC growth charts are usually used as cutoff criteria for children and adolescents. The variable BMDBMIC provides weight status categories for children and adolescents aged 2 to 19 years at examination, consequently BMDBMIC was not calculated for a few persons who were 19 years at the screening interview but became 20 years at the health examination. Information about age in years at screening and at examination for participants aged 2 to 19 years is available in the Demographic data file.

SAS algorithm to calculate average SAD value from up to four readings:  
\*\* Mean of 2 measurements if only BMXSAD1 and BMXSAD2 are available \*\*;  
if (n(of bmxsad1-bmxsad4) = 2) then BMDAVSAD = round(mean(bmxsad1, bmxsad2), 0.1);  
\*\* If BMXSAD3 and BMXSAD4 are available \*\*;  
\*\* Find the 3 closest SAD values and take their mean \*\*;  
\*\* If the 3 closest SAD values could not be determined, take mean of all 4 values \*\*;  
else if (n(of bmxsad1-bmxsad4) = 4) then do;  
range1 = round(range(bmxsad1, bmxsad2, bmxsad3), 0.1);  
range2 = round(range(bmxsad1, bmxsad2, bmxsad4), 0.1);  
range3 = round(range(bmxsad1, bmxsad3, bmxsad4), 0.1);  
range4 = round(range(bmxsad2, bmxsad3, bmxsad4), 0.1);  
if (smallest(1,of range1-range4) = smallest(2,of range1-range4))  
then BMDAVSAD = round(mean(of bmxsad1-bmxsad4), 0.1);  
else do;  
   select(smallest(1, of range1-range4));  
   when(range1) BMDAVSAD = round(mean(bmxsad1, bmxsad2, bmxsad3), 0.1);  
   when(range2) BMDAVSAD = round(mean(bmxsad1, bmxsad2, bmxsad4), 0.1);  
   when(range3) BMDAVSAD = round(mean(bmxsad1, bmxsad3, bmxsad4), 0.1);  
   when(range4) BMDAVSAD = round(mean(bmxsad2, bmxsad3, bmxsad4), 0.1);  
   end;  
  end;  
end;

Sample weights: The NHANES examination sample weights should be used to analyze the body measurement data. Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

References

* Centers for Disease Control and Prevention, National Center for Health Statistics. NHANES III Anthropometric Procedures Video. Available from: <http://www.cdc.gov/nchs/nhanes/nhanes3/anthropometric_videos.htm>
* Lohman TG, Roche AF, Martorell R, editors. Anthropometric Standardization Reference Manual. Abridged ed. Champaign, IL: Human Kinetics Books; 1988.
* Stein AD, Kahn HS, Rundle A, Zybert PA, van der Pal-de Bruin K, Lumey LH. Anthropometric measure in middle age after exposure to famine during gestation: evidence from the Dutch famine. American Journal of Clinical Nutrition 2007; 85(3): 869-876.

Codebook and Frequencies

SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 0 YEARS - 150 YEARS

BMDSTATS - Body Measures Component Status Code

Variable Name:

BMDSTATS

SAS Label:

Body Measures Component Status Code

English Text:

Body Measures Component status Code

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Complete data for age group | 9003 | 9003 |  |
| 2 | Partial: Only height and weight obtained | 317 | 9320 |  |
| 3 | Other partial exam | 423 | 9743 |  |
| 4 | No body measures exam data | 70 | 9813 |  |
| . | Missing | 0 | 9813 |  |

BMXWT - Weight (kg)

Variable Name:

BMXWT

SAS Label:

Weight (kg)

English Text:

Weight (kg)

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 3.1 to 222.6 | Range of Values | 9723 | 9723 |  |
| . | Missing | 90 | 9813 |  |

BMIWT - Weight Comment

Variable Name:

BMIWT

SAS Label:

Weight Comment

English Text:

Weight Comment

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Could not obtain | 17 | 17 |  |
| 2 | Exceeds capacity | 0 | 17 |  |
| 3 | Clothing | 346 | 363 |  |
| 4 | Medical appliance | 21 | 384 |  |
| . | Missing | 9429 | 9813 |  |

BMXRECUM - Recumbent Length (cm)

Variable Name:

BMXRECUM

SAS Label:

Recumbent Length (cm)

English Text:

Recumbent Length (cm)

Target:

Both males and females 0 YEARS - 47 MONTHS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 48.6 to 115.1 | Range of Values | 1065 | 1065 |  |
| . | Missing | 8748 | 9813 |  |

BMIRECUM - Recumbent Length Comment

Variable Name:

BMIRECUM

SAS Label:

Recumbent Length Comment

English Text:

Recumbent Length Comment

Target:

Both males and females 0 MONTHS - 47 MONTHS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Could not obtain | 31 | 31 |  |
| 2 | Exceeds capacity | 0 | 31 |  |
| 3 | Not straight | 0 | 31 |  |
| . | Missing | 9782 | 9813 |  |

BMXHEAD - Head Circumference (cm)

Variable Name:

BMXHEAD

SAS Label:

Head Circumference (cm)

English Text:

Head Circumference (cm)

Target:

Both males and females 0 YEARS - 6 MONTHS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 33.8 to 46.8 | Range of Values | 229 | 229 |  |
| . | Missing | 9584 | 9813 |  |

BMIHEAD - Head Circumference Comment

Variable Name:

BMIHEAD

SAS Label:

Head Circumference Comment

English Text:

Head Circumference Comment

Target:

Both males and females 0 MONTHS - 6 MONTHS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Could not obtain | 0 | 0 |  |
| . | Missing | 9813 | 9813 |  |

BMXHT - Standing Height (cm)

Variable Name:

BMXHT

SAS Label:

Standing Height (cm)

English Text:

Standing Height (cm)

Target:

Both males and females 2 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 79.7 to 202.6 | Range of Values | 9067 | 9067 |  |
| . | Missing | 746 | 9813 |  |

BMIHT - Standing Height Comment

Variable Name:

BMIHT

SAS Label:

Standing Height Comment

English Text:

Standing Height Comment

Target:

Both males and females 2 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Could not obtain | 39 | 39 |  |
| 2 | Exceeds capacity | 0 | 39 |  |
| 3 | Not straight | 182 | 221 |  |
| . | Missing | 9592 | 9813 |  |

BMXBMI - Body Mass Index (kg/m\*\*2)

Variable Name:

BMXBMI

SAS Label:

Body Mass Index (kg/m\*\*2)

English Text:

Body Mass Index (kg/m\*\*2)

Target:

Both males and females 2 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 12.1 to 82.9 | Range of Values | 9055 | 9055 |  |
| . | Missing | 758 | 9813 |  |

BMDBMIC - BMI Category - Children/Youth

Variable Name:

BMDBMIC

SAS Label:

BMI Category - Children/Youth

English Text:

BMI Category - Children/Youth

Target:

Both males and females 2 YEARS - 19 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Underweight | 132 | 132 |  |
| 2 | Normal weight | 2167 | 2299 |  |
| 3 | Overweight | 595 | 2894 |  |
| 4 | Obese | 629 | 3523 |  |
| . | Missing | 6290 | 9813 |  |

BMXLEG - Upper Leg Length (cm)

Variable Name:

BMXLEG

SAS Label:

Upper Leg Length (cm)

English Text:

Upper Leg Length (cm)

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 24.4 to 51.9 | Range of Values | 7402 | 7402 |  |
| . | Missing | 2411 | 9813 |  |

BMILEG - Upper Leg Length Comment

Variable Name:

BMILEG

SAS Label:

Upper Leg Length Comment

English Text:

Upper Leg Length Comment

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Could not obtain | 350 | 350 |  |
| . | Missing | 9463 | 9813 |  |

BMXARML - Upper Arm Length (cm)

Variable Name:

BMXARML

SAS Label:

Upper Arm Length (cm)

English Text:

Upper Arm Length (cm)

Target:

Both males and females 2 MONTHS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 9.9 to 47.9 | Range of Values | 9301 | 9301 |  |
| . | Missing | 512 | 9813 |  |

BMIARML - Upper Arm Length Comment

Variable Name:

BMIARML

SAS Label:

Upper Arm Length Comment

English Text:

Upper Arm Length Comment

Target:

Both males and females 2 MONTHS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Could not obtain | 368 | 368 |  |
| . | Missing | 9445 | 9813 |  |

BMXARMC - Arm Circumference (cm)

Variable Name:

BMXARMC

SAS Label:

Arm Circumference (cm)

English Text:

Arm Circumference (cm)

Target:

Both males and females 2 MONTHS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10.4 to 59.4 | Range of Values | 9301 | 9301 |  |
| . | Missing | 512 | 9813 |  |

BMIARMC - Arm Circumference Comment

Variable Name:

BMIARMC

SAS Label:

Arm Circumference Comment

English Text:

Arm Circumference Comment

Target:

Both males and females 2 MONTHS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Could not obtain | 372 | 372 |  |
| . | Missing | 9441 | 9813 |  |

BMXWAIST - Waist Circumference (cm)

Variable Name:

BMXWAIST

SAS Label:

Waist Circumference (cm)

English Text:

Waist Circumference (cm)

Target:

Both males and females 2 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 40.2 to 177.9 | Range of Values | 8661 | 8661 |  |
| . | Missing | 1152 | 9813 |  |

BMIWAIST - Waist Circumference Comment

Variable Name:

BMIWAIST

SAS Label:

Waist Circumference Comment

English Text:

Waist Circumference Comment

Target:

Both males and females 2 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Could not obtain | 439 | 439 |  |
| . | Missing | 9374 | 9813 |  |

BMXSAD1 - Sagittal Abdominal Diameter 1st (cm)

Variable Name:

BMXSAD1

SAS Label:

Sagittal Abdominal Diameter 1st (cm)

English Text:

Sagittal Abdominal Diameter 1st (cm)

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10 to 40.2 | Range of Values | 7218 | 7218 |  |
| . | Missing | 2595 | 9813 |  |

BMXSAD2 - Sagittal Abdominal Diameter 2nd (cm)

Variable Name:

BMXSAD2

SAS Label:

Sagittal Abdominal Diameter 2nd (cm)

English Text:

Sagittal Abdominal Diameter 2nd (cm)

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10.2 to 40.2 | Range of Values | 7218 | 7218 |  |
| . | Missing | 2595 | 9813 |  |

BMXSAD3 - Sagittal Abdominal Diameter 3rd (cm)

Variable Name:

BMXSAD3

SAS Label:

Sagittal Abdominal Diameter 3rd (cm)

English Text:

Sagittal Abdominal Diameter 3rd (cm)

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10.9 to 35.6 | Range of Values | 358 | 358 |  |
| . | Missing | 9455 | 9813 |  |

BMXSAD4 - Sagittal Abdominal Diameter 4th (cm)

Variable Name:

BMXSAD4

SAS Label:

Sagittal Abdominal Diameter 4th (cm)

English Text:

Sagittal Abdominal Diameter 4th (cm)

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 11 to 35.6 | Range of Values | 358 | 358 |  |
| . | Missing | 9455 | 9813 |  |

BMDAVSAD - Average Sagittal Abdominal Diameter (cm)

Variable Name:

BMDAVSAD

SAS Label:

Average Sagittal Abdominal Diameter (cm)

English Text:

Average Sagittal Abdominal Diameter (cm)

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10.1 to 40.1 | Range of Values | 7218 | 7218 |  |
| . | Missing | 2595 | 9813 |  |

BMDSADCM - Sagittal Abdominal Diameter Comment

Variable Name:

BMDSADCM

SAS Label:

Sagittal Abdominal Diameter Comment

English Text:

Sagittal Abdominal Diameter Comment

Target:

Both males and females 8 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Could not obtain | 444 | 444 |  |
| 2 | SP unable to comply with exam instruction | 19 | 463 |  |
| 3 | SP discomfort | 1 | 464 |  |
| 4 | Use of positioning cushion | 16 | 480 |  |
| 5 | Other | 4 | 484 |  |
| . | Missing | 9329 | 9813 |  |

**Laboratory Data**

**Plasma Fasting Glucose**

Plasma Fasting Glucose (GLU\_H)

Data File: GLU\_H.xpt

First Published: January 2016

Last Revised: NA

Component Description

Diabetes is a leading cause of disease and death in the United States. Approximately eight million Americans are known to have diabetes, and it is estimated that an equal amount have undiagnosed diabetes. In 1993, nearly 18 percent of all deaths for persons over the age of 25 were among people with diabetes. The prevalence of diabetes and overweight (one of the major risk factors for diabetes) continues to increase. Substantial new efforts to prevent or control diabetes have begun, including the Diabetes Prevention Trial and the National Diabetes Education Program.

Diabetes testing provides population data to: 1) determine a national estimate of diabetes disease prevalence (diagnosed and undiagnosed); 2) identify the risk factors of diabetes disease; 3) permit a national cohort to be established for follow-up studies of this condition; and 4) provide critical information to clinicians and public health officials for the development of preventive care and community-based interventions.

Eligible Sample

Participants aged 12 years and older who were examined in the morning session were eligible.

Description of Laboratory Methodology

Glucose  
In this enzymatic method glucose is converted to glucose-6-phosphate (G-6-P) by hexokinase in the presence of ATP, a phosphate donor. Glucose-6-phosphate dehydrogenase then converts the G-6-P to gluconate-6-P in the presence of NADP+. As the NADP+ is reduced to NADPH during this reaction, the resulting increase in absorbance at 340 nm (secondary wavelength = 700 nm) is measured. This is an endpoint reaction that is specific for glucose.

There are seven exclusion criteria, including hemophilia and chemotherapy safety exclusions, fasting less than nine hours, taking insulin or oral medications for diabetes, refusing phlebotomy, or not drinking the entire TrutolTM solution within the allotted time.

Refer to the Laboratory Method Files section for detailed laboratory procedure manual(s) of the methods used.

There were changes to the lab method, lab equipment, and lab site for this component in the NHANES 2013-2014 cycle. In the 2011-2012 cycle, the University of Minnesota performed this testing. The University of Missouri-Columbia began testing plasma glucose in the 2013-2014 cycle.

Laboratory Method Files

[Fasting Glucose](https://wwwn.cdc.gov/nchs/data/nhanes/2013-2014/labmethods/GLU_H_MET_Fasting_Glucose.pdf) (January 2016)

Laboratory Quality Assurance and Monitoring

Plasma specimens were processed, stored, and shipped to the University of Missouri-Columbia, Columbia, MO for analysis.

Detailed instructions on specimen collection and processing are discussed in the NHANES [Laboratory Procedures Manual (LPM)](https://wwwn.cdc.gov/nchs/data/nhanes/2013-2014/manuals/2013_mec_laboratory_procedures_manual.pdf). Vials are stored under appropriate frozen (–70°C) conditions until they are shipped to University of Missouri-Columbia for testing.

The NHANES quality assurance and quality control (QA/QC) protocols meet the 1988 Clinical Laboratory Improvement Act mandates. Detailed QA/QC instructions are discussed in the [NHANES LPM](https://wwwn.cdc.gov/nchs/data/nhanes/2013-2014/manuals/2013_mec_laboratory_procedures_manual.pdf).

Mobile Examination Centers (MECs)

Laboratory team performance is monitored using several techniques. NCHS and contract consultants use a structured quality assurance evaluation during unscheduled visits to evaluate both the quality of the laboratory work and the quality control procedures. Each laboratory staff member is observed for equipment operation, specimen collection and preparation; testing procedures and constructive feedback are given to each staff member. Formal retraining sessions are conducted annually to ensure that required skill levels were maintained.

Analytical Laboratories

NHANES uses several methods to monitor the quality of the analyses performed by the contract laboratories. In the MEC, these methods include performing blind split samples collected on “dry run” sessions. In addition, contract laboratories randomly perform repeat testing on 2% of all specimens.

NCHS developed and distributed a quality control protocol for all the contract laboratories which outlined the use of Westgard rules (Westgard et al, 1981) when running NHANES specimens. Progress reports containing any problems encountered during shipping or receipt of specimens, summary statistics for each control pool, QC graphs, instrument calibration, reagents, and any special considerations are submitted to NCHS quarterly. The reports are reviewed for trends or shifts in the data. The laboratories are required to explain any identified areas of concern.

All QC procedures recommended by the manufacturers were followed. Reported results for all assays meet the University of Missouri’s quality control and quality assurance performance criteria for accuracy and precision, similar to the Westgard rules.

Data Processing and Editing

The data were reviewed. Incomplete data or improbable values were sent to the performing laboratory for confirmation.  
  
Two variables were created in this data file. The variables were created using the following formulas:  
  
LBXGLU and LBDGLUSI:  
The fasting glucose value in mg/dL (LBXGLU) was converted to mmol/L (LBDGLUSI) by multiplying by 0.05551 (rounded to 3 decimals).  
  
LBXIN and LBDINSI:  
The insulin value in µU/mL (LBXIN) was converted to pmol/L (LBDINSI) by multiplying by 6.0 (rounded to 2 decimals).

Analytic Notes

Refer to the [2013 - 2014 Laboratory Data Overview](https://wwwn.cdc.gov/nchs/nhanes/continuousnhanes/overviewlab.aspx?BeginYear=2013) for general information on NHANES laboratory data.

Sampling Weights  
  
Glucose and insulin were measured in a fasting subsample of persons 12 years and older.  
  
The analyst is strongly encouraged to use the fasting sampling weights in this file to analyze 2013-2014 glucose and insulin levels.  
  
There will be two weight files associated with the subsample for the diabetes data. Use the fasting sample weights (WTSFA2YR) when analyzing the fasting glucose and insulin levels only. Use the OGTT sample weights (WTSOG2YR) when analyzing the insulin, fasting AND OGTT glucose levels or when analyzing ONLY OGTT glucose levels. NOTE: the Insulin and OGTT weights and data are in separate files (INS\_H and OGTT\_H, respectively).  
  
Reporting Glucose Results  
  
The University of Missouri’s Data File (GLU\_H) (which contains laboratory test results for glucose - LBXGLU) was measured using the reference analytic method. However, the Iowa laboratory (BIOPRO\_H), that measures biochemistry profiles, also included measurements of serum glucose. The serum glucose values (LBXSGL) reported in the Iowa lab should not be used to determine undiagnosed diabetes or prediabetes. Instead, plasma glucose values from the University of Missouri’s lab (LBXGLU) should be used for data analysis.

Demographic and Other Related Variables

The analysis of NHANES laboratory data must be conducted using the appropriate survey design and demographic variables. The [NHANES 2013-2014 Demographics File](https://wwwn.cdc.gov/nchs/nhanes/search/datapage.aspx?Component=Demographics&CycleBeginYear=2013) contains demographic data, health indicators, and other related information collected during household interviews as well as the sample design variables. The recommended procedure for variance estimation requires use of stratum and PSU variables (SDMVSTRA and SDMVPSU, respectively) in the demographic data file.

The [Fasting Questionnaire File](https://wwwn.cdc.gov/nchs/nhanes/2013-2014/fastqx_h.htm) includes auxiliary information such as fasting status, the time of venipuncture, and the conditions precluding venipuncture.

The demographics and fasting questionnaire files may be linked to the laboratory data file using the unique survey participant identifier (i.e., SEQN).

This laboratory data file can be linked to the other NHANES data files using the unique survey participant identifier SEQN.

Detection Limits

The detection limits were constant for the analyte in the data set. The variable prefixed LBX (ex., LBXGLU) provides the analytic result for that analyte.

The lower limit of detection (LLOD, in mg/dL) for fasting glucose:

|  |  |  |
| --- | --- | --- |
| Variable Name | SAS LABEL | LLOD |
| LBXGLU | Fasting glucose | 2.0 |

Please refer to the NHANES [Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line NHANES [Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

References

* Caudill S.P., Schleicher R.L., Pirkle J.L. Multi-rule quality control for the age-related eye disease study. Statist. Med. (2008) 27(20):4094-40106.
* Westgard J.O., Barry P.L., Hunt M.R., Groth T. A multi-rule Shewhart chart for quality control in clinical chemistry. Clin Chem (1981) 27:493-501.

Codebook and Frequencies

SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number

Target:

Both males and females 12 YEARS - 150 YEARS

WTSAF2YR - Fasting Subsample 2 Year MEC Weight

Variable Name:

WTSAF2YR

SAS Label:

Fasting Subsample 2 Year MEC Weight

English Text:

Fasting Subsample 2 Year MEC Weight

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 12937.987305 to 395978.46579 | Range of Values | 2927 | 2927 |  |
| 0 | No Lab Result | 402 | 3329 |  |
| . | Missing | 0 | 3329 |  |

LBXGLU - Fasting Glucose (mg/dL)

Variable Name:

LBXGLU

SAS Label:

Fasting Glucose (mg/dL)

English Text:

Fasting Glucose (mg/dL)

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 51 to 421 | Range of Values | 3172 | 3172 |  |
| . | Missing | 157 | 3329 |  |

LBDGLUSI - Fasting Glucose (mmol/L)

Variable Name:

LBDGLUSI

SAS Label:

Fasting Glucose (mmol/L)

English Text:

Fasting Glucose (mmol/L)

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 2.831 to 23.37 | Range of Values | 3172 | 3172 |  |
| . | Missing | 157 | 3329 |  |

PHAFSTHR - Total length of 'food fast', hours

Variable Name:

PHAFSTHR

SAS Label:

Total length of 'food fast', hours

English Text:

Total length of 'food fast', hours

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 34 | Range of Values | 3291 | 3291 |  |
| . | Missing | 38 | 3329 |  |

PHAFSTMN - Total length of 'food fast', minutes

Variable Name:

PHAFSTMN

SAS Label:

Total length of 'food fast', minutes

English Text:

Total length of 'food fast', minutes

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 59 | Range of Values | 3291 | 3291 |  |
| . | Missing | 38 | 3329 |  |

**Questionair Data**

**Cardiovascular Health**

Cardiovascular Health (CDQ\_H)

Data File: CDQ\_H.xpt

First Published: October 2015

Last Revised: NA

Component Description

The Cardiovascular Disease and Health section (variable name prefix CDQ) provides participant level interview data on evaluating cardiovascular health and includes questions to assess the presence of angina pectoris as defined by the Rose1 questionnaire.

Eligible Sample

All participants aged 40 years and older were asked to respond to this section.

Interview Setting and Mode of Administration

These questions were asked before the physical examination, in the home, using the Computer-Assisted Personal Interviewing (CAPI) (interviewer administered) system.

Quality Assurance & Quality Control

The CAPI system is programmed with built-in consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire.

Data Processing and Editing

Edits were made to ensure the completeness, consistency, and analytic usefulness of the data.

Analytic Notes

The variables in this section are comparable to the CDQ variables released for 2001-2002 through 2013-2014. Other than question CDQ010, these questions are not comparable to the CDQ questions for NHANES 1999-2000, which focused on symptoms related to congestive heart failure.

Rose questionnaire criteria1:

Grade 1 Angina is defined as CDQ001 = 1 and CDQ002 = 1 (but CDQ003 ≠ 1) and CDQ004 = 1 and CDQ005 = 1 and CDQ006 = 1, plus either (CDQ009D = 4 or CDQ009E = 5) or (CDQ009F = 6 and CDQ009G = 7).  
Grade 2 Angina is defined as CDQ001 = 1 and CDQ002 = 1 and CDQ003 = 1 and CDQ004 = 1 and CDQ005 = 1 and CDQ006 = 1, plus either (CDQ009D = 4 or CDQ009E = 5) or (CDQ009F = 6 and CDQ009G = 7).

Changes Since 2011-2012:  
There were no questionnaire changes for 2013-2014.

Although these data were collected as part of the household questionnaire, if they are merged with the MEC exam data, exam sample weights should be used for the analyses.

Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

References

* 1Rose GA, Blackburn H. Cardiovascular survey methods. World Health Organization Monograph 1968; 56: 1-188.

Codebook and Frequencies

SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 40 YEARS - 150 YEARS

CDQ001 - SP ever had pain or discomfort in chest

Variable Name:

CDQ001

SAS Label:

SP ever had pain or discomfort in chest

English Text:

{Have you/Has SP} ever had any pain or discomfort in {your/her/his} chest?

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 879 | 879 |  |
| 2 | No | 2934 | 3813 | CDQ010 |
| 7 | Refused | 0 | 3813 | CDQ010 |
| 9 | Don't know | 2 | 3815 | CDQ010 |
| . | Missing | 0 | 3815 |  |

CDQ002 - SP get it walking uphill or in a hurry

Variable Name:

CDQ002

SAS Label:

SP get it walking uphill or in a hurry

English Text:

{Do you/Does she/Does he} get it when {you/she/he} walk uphill or hurry?

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 241 | 241 |  |
| 2 | No | 591 | 832 | CDQ008 |
| 3 | Never walks uphill or hurries | 42 | 874 |  |
| 7 | Refused | 0 | 874 | CDQ008 |
| 9 | Don't know | 5 | 879 | CDQ008 |
| . | Missing | 2936 | 3815 |  |

CDQ003 - During an ordinary pace on level ground

Variable Name:

CDQ003

SAS Label:

During an ordinary pace on level ground

English Text:

{Do you/Does she/Does he} get it when {you/she/he} walk at an ordinary pace on level ground?

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 111 | 111 |  |
| 2 | No | 171 | 282 |  |
| 7 | Refused | 0 | 282 |  |
| 9 | Don't know | 1 | 283 |  |
| . | Missing | 3532 | 3815 |  |

CDQ003A - CHECK ITEM

Variable Name:

CDQ003A

English Instructions:

BOX 1. CHECK ITEM CDQ.003A. IF 'YES' (CODE '1') IN CDQ.002 OR CDQ.003, CONTINUE. OTHERWISE, GO TO CDQ.008.

Target:

Both males and females 40 YEARS - 150 YEARS

CDQ004 - If so does SP continue or slow down

Variable Name:

CDQ004

SAS Label:

If so does SP continue or slow down

English Text:

What {do you/does she/does he} do if {you/she/he} get it while {you/she/he} are walking? {Do you/Does she/Does he} stop or slow down or continue at the same pace?

English Instructions:

CHECK "STOP OR SLOW DOWN" IF SP CARRIES ON AFTER TAKING NITROGLYCERINE.

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Stop or slow down | 229 | 229 |  |
| 2 | Continue at the same pace | 23 | 252 | CDQ008 |
| 7 | Refused | 0 | 252 | CDQ008 |
| 9 | Don't know | 1 | 253 | CDQ008 |
| . | Missing | 3562 | 3815 |  |

CDQ005 - Does standing relieve pain/discomfort

Variable Name:

CDQ005

SAS Label:

Does standing relieve pain/discomfort

English Text:

If {you/she/he} stand still, what happens to it? Is the pain or discomfort relieved or not relieved?

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Relieved | 196 | 196 |  |
| 2 | Not Relieved | 31 | 227 | CDQ008 |
| 7 | Refused | 0 | 227 | CDQ008 |
| 9 | Don't know | 2 | 229 | CDQ008 |
| . | Missing | 3586 | 3815 |  |

CDQ006 - How soon is the pain relieved

Variable Name:

CDQ006

SAS Label:

How soon is the pain relieved

English Text:

How soon is the pain relieved? Would you say...

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | 10 minutes or less | 161 | 161 |  |
| 2 | More than 10 minutes | 35 | 196 | CDQ008 |
| 7 | Refused | 0 | 196 | CDQ008 |
| 9 | Don't know | 0 | 196 | CDQ008 |
| . | Missing | 3619 | 3815 |  |

CDQ009A - Pain in right arm

Variable Name:

CDQ009A

SAS Label:

Pain in right arm

English Text:

Please look at this card and show me where the pain or discomfort is located.

English Instructions:

CODE ALL THAT APPLY. PROBE FOR ADDITIONAL AREAS. HAND CARD CDQ1.

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Pain in right arm | 10 | 10 |  |
| 77 | Refused | 1 | 11 |  |
| 99 | Don't know | 3 | 14 |  |
| . | Missing | 3801 | 3815 |  |

CDQ009B - Pain in right chest

Variable Name:

CDQ009B

SAS Label:

Pain in right chest

English Text:

Please look at this card and show me where the pain or discomfort is located.

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 2 | Pain in right chest | 26 | 26 |  |
| . | Missing | 3789 | 3815 |  |

CDQ009C - Pain in neck

Variable Name:

CDQ009C

SAS Label:

Pain in neck

English Text:

Please look at this card and show me where the pain or discomfort is located.

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 3 | Pain in neck | 29 | 29 |  |
| . | Missing | 3786 | 3815 |  |

CDQ009D - Pain in upper sternum

Variable Name:

CDQ009D

SAS Label:

Pain in upper sternum

English Text:

Please look at this card and show me where the pain or discomfort is located.

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 4 | Pain in upper sternum | 80 | 80 |  |
| . | Missing | 3735 | 3815 |  |

CDQ009E - Pain in lower sternum

Variable Name:

CDQ009E

SAS Label:

Pain in lower sternum

English Text:

Please look at this card and show me where the pain or discomfort is located.

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 5 | Pain in lower sternum | 36 | 36 |  |
| . | Missing | 3779 | 3815 |  |

CDQ009F - Pain in left chest

Variable Name:

CDQ009F

SAS Label:

Pain in left chest

English Text:

Please look at this card and show me where the pain or discomfort is located.

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 6 | Pain in left chest | 52 | 52 |  |
| . | Missing | 3763 | 3815 |  |

CDQ009G - Pain in left arm

Variable Name:

CDQ009G

SAS Label:

Pain in left arm

English Text:

Please look at this card and show me where the pain or discomfort is located.

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 7 | Pain in left arm | 8 | 8 |  |
| . | Missing | 3807 | 3815 |  |

CDQ009H - Pain in epigastric area

Variable Name:

CDQ009H

SAS Label:

Pain in epigastric area

English Text:

Please look at this card and show me where the pain or discomfort is located.

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 8 | Pain in epigastric area | 3 | 3 |  |
| . | Missing | 3812 | 3815 |  |

CDQ008 - Severe pain in chest more than half hour

Variable Name:

CDQ008

SAS Label:

Severe pain in chest more than half hour

English Text:

Have {you/she/he} ever had a severe pain across the front of {your/her/his} chest lasting for half an hour or more?

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 235 | 235 |  |
| 2 | No | 642 | 877 |  |
| 7 | Refused | 0 | 877 |  |
| 9 | Don't know | 2 | 879 |  |
| . | Missing | 2936 | 3815 |  |

CDQ010 - Shortness of breath on stairs/inclines

Variable Name:

CDQ010

SAS Label:

Shortness of breath on stairs/inclines

English Text:

{Have you/Has SP} had shortness of breath either when hurrying on the level or walking up a slight hill?

Target:

Both males and females 40 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1139 | 1139 |  |
| 2 | No | 2668 | 3807 |  |
| 7 | Refused | 1 | 3808 |  |
| 9 | Don't know | 7 | 3815 |  |
| . | Missing | 0 | 3815 |  |

**Alcohol Use**

### Alcohol Use (ALQ\_H)

#### Data File: ALQ\_H.xpt

##### First Published: March 2016

##### Last Revised: NA

## Component Description

The Alcohol Use Questionnaire (variable name prefix ALQ) focuses on lifetime and current use (past 12 months). Questions are not specific to type of alcohol used.

## Eligible Sample

Participants aged 12 years and older were eligible; however, only data from participants aged 18 and over are included in this file. Mentally impaired individuals or participants who were unable to understand English or Spanish were excluded from the ALQ.

## Interview Setting and Mode of Administration

The ALQ is administered at the Mobile Examination Center (MEC) during the MEC Interview. For adults 18 years and older, questions were asked by trained interviewers using the Computer-Assisted Personal Interview (CAPI) system. For youths 12-17 years, questions were self-administered using the Audio Computer-Assisted Self-Interview (ACASI) system. The ACASI was conducted in both English and Spanish.

## Quality Assurance & Quality Control

The CAPI system is programmed with built-in consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire.  
The ACASI enables respondents to hear questions through headphones as well as read questions on the computer screen. Respondents moved at their own speed and touched the screen to indicate their responses. No proxy respondents or translators were used during the ACASI.

For details on the QA/QC process for this component, please refer to the [MEC Interviewer Procedures](https://wwwn.cdc.gov/nchs/data/nhanes/2013-2014/manuals/mec_interviewer_2013.pdf) manual on the [NHANES website](https://wwwn.cdc.gov/nchs/nhanes/continuousnhanes/manuals.aspx?BeginYear=2013).

## Data Processing and Editing

The data were edited for completeness, consistency, and illogical values.

## Analytic Notes

Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

Information on alcohol use is collected from all participants aged 12 years and older. Only data from participants aged 18 and older are included in this data file. A special use data file for participants aged 12-17, ALQ\_H\_R, is available through the [NCHS Research Data Center (RDC)](https://www.cdc.gov/rdc/).

## Codebook and Frequencies

### SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 18 YEARS - 150 YEARS

### ALQ101 - Had at least 12 alcohol drinks/1 yr?

Variable Name:

ALQ101

SAS Label:

Had at least 12 alcohol drinks/1 yr?

English Text:

The next questions are about drinking alcoholic beverages. Included are liquor (such as whiskey or gin), beer, wine, wine coolers, and any other type of alcoholic beverage.In any one year, {have you/has SP} had at least 12 drinks of any type of alcoholic beverage? By a drink, I mean a 12 oz. beer, a 5 oz. glass of wine, or one and half ounces of liquor.

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 3790 | 3790 | ALQ120Q |
| 2 | No | 1623 | 5413 |  |
| 7 | Refused | 0 | 5413 |  |
| 9 | Don't know | 8 | 5421 |  |
| . | Missing | 503 | 5924 |  |

### ALQ110 - Had at least 12 alcohol drinks/lifetime?

Variable Name:

ALQ110

SAS Label:

Had at least 12 alcohol drinks/lifetime?

English Text:

In {your/SP's} entire life, {have you/has he/ has she} had at least 12 drinks of any type of alcoholic beverage?

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 689 | 689 |  |
| 2 | No | 938 | 1627 | End of Section |
| 7 | Refused | 0 | 1627 | End of Section |
| 9 | Don't know | 4 | 1631 | End of Section |
| . | Missing | 4293 | 5924 |  |

### ALQ120Q - How often drink alcohol over past 12 mos

Variable Name:

ALQ120Q

SAS Label:

How often drink alcohol over past 12 mos

English Text:

In the past 12 months, how often did {you/SP} drink any type of alcoholic beverage? PROBE: How many days per week, per month, or per year did {you/SP} drink?

English Instructions:

ENTER '0' FOR NEVER. ENTER QUANTITY.

Target:

Both males and females 18 YEARS - 150 YEARS

Hard Edits:

0 to 366

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 365 | Range of Values | 4475 | 4475 |  |
| 777 | Refused | 0 | 4475 |  |
| 999 | Don't know | 4 | 4479 |  |
| . | Missing | 1445 | 5924 |  |

### ALQ120U - # days drink alcohol per wk, mo, yr

Variable Name:

ALQ120U

SAS Label:

# days drink alcohol per wk, mo, yr

English Text:

UNIT OF MEASURE.

English Instructions:

ENTER UNIT.

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Week | 1461 | 1461 |  |
| 2 | Month | 953 | 2414 |  |
| 3 | Year | 1179 | 3593 |  |
| 7 | Refused | 0 | 3593 |  |
| 9 | Don't know | 0 | 3593 |  |
| . | Missing | 2331 | 5924 |  |

### ALQ130 - Avg # alcoholic drinks/day - past 12 mos

Variable Name:

ALQ130

SAS Label:

Avg # alcoholic drinks/day - past 12 mos

English Text:

In the past 12 months, on those days that {you/SP} drank alcoholic beverages, on the average, how many drinks did {you/he/she} have?

English Instructions:

IF LESS THAN 1 DRINK, ENTER '1'. IF 95 DRINKS OR MORE, ENTER '95'. ENTER # OF DRINKS.

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 25 | Range of Values | 3593 | 3593 |  |
| 777 | Refused | 0 | 3593 |  |
| 999 | Don't know | 3 | 3596 |  |
| . | Missing | 2328 | 5924 |  |

### ALQ141Q - # days have 4/5 drinks - past 12 mos

Variable Name:

ALQ141Q

SAS Label:

# days have 4/5 drinks - past 12 mos

English Text:

In the past 12 months, on how many days did {you/SP} have {DISPLAY NUMBER} or more drinks of any alcoholic beverage? PROBE: How many days per week, per month, or per year did {you/SP} have {DISPLAY NUMBER} or more drinks in a single day?

English Instructions:

ENTER '0' FOR NONE. CAPI INSTRUCTION: IF SP = MALE, DISPLAY = 5 IF SP = FEMALE, DISPLAY = 4 HARD EDIT: If ALQ101 = 2 or 9, ALQ141 must be less than 3 times per year. Error Message: "Number of drinks must be less than 3 if SP never had more than 12 drinks per year." ENTER QUANTITY

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 350 | Range of Values | 3588 | 3588 |  |
| 777 | Refused | 0 | 3588 |  |
| 999 | Don't know | 7 | 3595 |  |
| . | Missing | 2329 | 5924 |  |

### ALQ141U - # days per week, month, year?

Variable Name:

ALQ141U

SAS Label:

# days per week, month, year?

English Text:

UNIT OF MEASURE.

English Instructions:

ENTER UNIT.

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Week | 361 | 361 |  |
| 2 | Month | 264 | 625 |  |
| 3 | Year | 839 | 1464 |  |
| 7 | Refused | 0 | 1464 |  |
| 9 | Don't know | 0 | 1464 |  |
| . | Missing | 4460 | 5924 |  |

### ALQ151 - Ever have 4/5 or more drinks every day?

Variable Name:

ALQ151

SAS Label:

Ever have 4/5 or more drinks every day?

English Text:

Was there ever a time or times in {your/SP's} life when {you/he/she} drank {DISPLAY NUMBER} or more drinks of any kind of alcoholic beverage almost every day?

English Instructions:

CAPI INSTRUCTION: IF SP = MALE, DISPLAY = 5 IF SP = FEMALE, DISPLAY = 4

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 736 | 736 |  |
| 2 | No | 3740 | 4476 |  |
| 7 | Refused | 0 | 4476 |  |
| 9 | Don't know | 1 | 4477 |  |
| . | Missing | 1447 | 5924 |  |

### ALQ154 - CHECK ITEM

Variable Name:

ALQ154

English Instructions:

CHECK ITEM ALQ154: IF ALQ141 IS CODED '0' OR IF ALQ120Q IS CODED '0', GO TO END OF SECTION. OTHERWISE, CONTINUE WITH ALQ160.

Target:

Both males and females 18 YEARS - 150 YEARS

### ALQ160 - # days have 4/5 or more drinks in 2 hrs

Variable Name:

ALQ160

SAS Label:

# days have 4/5 or more drinks in 2 hrs

English Text:

During the past 30 days, how many times did {you/SP} drink {DISPLAY NUMBER} or more drinks of any kind of alcohol in about two hours?

English Instructions:

ENTER '0' FOR NEVER. CAPI INSTRUCTION: IF SP = MALE, DISPLAY = 5 IF SP = FEMALE, DISPLAY = 4 SOFT EDIT: IF RESPONSE IS > 60 TIMES, THEN DISPLAY "YOU SAID THAT IN THE PAST 30 DAYS, YOU HAD {DISPLAY NUMBER} OR MORE DRINKS OF ANY KIND OF ALCOHOL IN ABOUT TWO HOURS, (DISPLAY QUANTITY) TIMES. IS THAT CORRECT"? ENTER QUANTITY.

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 30 | Range of Values | 1865 | 1865 |  |
| 777 | Refused | 0 | 1865 |  |
| 999 | Don't know | 1 | 1866 |  |
| . | Missing | 4058 | 5924 |  |

**Blood Pressure & Cholesterol**

### Blood Pressure & Cholesterol (BPQ\_H)

#### Data File: BPQ\_H.xpt

##### First Published: October 2015

##### Last Revised: NA

## Component Description

The Blood Pressure/Cholesterol section (prefix BPQ) provides personal interview data on awareness, treatment, and control of high blood pressure and high cholesterol.

## Eligible Sample

Participants aged 16 years and older are asked about high blood pressure and high cholesterol.

## Interview Setting and Mode of Administration

These questions were asked, in the home, by trained interviewers using the Computer-Assisted Personal Interviewing (CAPI) system.

## Quality Assurance & Quality Control

The CAPI system is programmed with built-in consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire. All of the data were reviewed by the NHANES field office staff for accuracy and completeness.

## Data Processing and Editing

Edits were made to ensure the completeness, consistency, and analytic usefulness of the data.

## Analytic Notes

**Changes Since 2011-2012:**

* BPQ057 - Discontinued Question
* Target age for high cholesterol changed from 20 years and older to 16 years and older

Although these data were collected as part of the household questionnaire, if they are merged with the MEC exam data, exam sample weights should be used for the analyses.

Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

## Codebook and Frequencies

### SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 16 YEARS - 150 YEARS

### BPQ020 - Ever told you had high blood pressure

Variable Name:

BPQ020

SAS Label:

Ever told you had high blood pressure

English Text:

{Have you/Has SP} ever been told by a doctor or other health professional that {you/s/he} had hypertension, also called high blood pressure?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 2174 | 2174 |  |
| 2 | No | 4285 | 6459 | BPQ056 |
| 7 | Refused | 0 | 6459 | BPQ056 |
| 9 | Don't know | 5 | 6464 | BPQ056 |
| . | Missing | 0 | 6464 |  |

### BPQ030 - Told had high blood pressure - 2+ times

Variable Name:

BPQ030

SAS Label:

Told had high blood pressure - 2+ times

English Text:

{Were you/Was SP} told on 2 or more different visits that {you/s/he} had hypertension, also called high blood pressure?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1738 | 1738 |  |
| 2 | No | 428 | 2166 |  |
| 7 | Refused | 0 | 2166 |  |
| 9 | Don't know | 8 | 2174 |  |
| . | Missing | 4290 | 6464 |  |

### BPD035 - Age told had hypertension

Variable Name:

BPD035

SAS Label:

Age told had hypertension

English Text:

How old {were you/was SP} when {you were/he/she was} first told that {you/he/she} had hypertension or high blood pressure?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10 to 79 | Range of Values | 2100 | 2100 |  |
| 80 | 80 years or older | 35 | 2135 |  |
| 777 | Refused | 1 | 2136 |  |
| 999 | Don't know | 28 | 2164 |  |
| . | Missing | 4300 | 6464 |  |

### BPQ040A - Taking prescription for hypertension

Variable Name:

BPQ040A

SAS Label:

Taking prescription for hypertension

English Text:

Because of {your/SP's} (high blood pressure/hypertension), {have you/has s/he} ever been told to . . . take prescribed medicine?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1815 | 1815 |  |
| 2 | No | 357 | 2172 | BPQ056 |
| 7 | Refused | 0 | 2172 | BPQ056 |
| 9 | Don't know | 2 | 2174 | BPQ056 |
| . | Missing | 4290 | 6464 |  |

### BPQ050A - Now taking prescribed medicine for HBP

Variable Name:

BPQ050A

SAS Label:

Now taking prescribed medicine for HBP

English Text:

HELP AVAILABLE (Are you/Is SP) now taking prescribed medicine

English Instructions:

CAPI INSTRUCTION: DISPLAY EACH ACTIVITY CODED ''YES'' (CODE 1) FROM BPQ.040. DISPLAY FOR EACH ACTIVITY SHOULD READ AS FOLLOWS: RESPONSES: YES = 1, NO = 2, REFUSED = 7, DON'T KNOW = 9.

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1586 | 1586 |  |
| 2 | No | 228 | 1814 |  |
| 7 | Refused | 0 | 1814 |  |
| 9 | Don't know | 1 | 1815 |  |
| . | Missing | 4649 | 6464 |  |

### BPQ056 - Take blood pressure at home last 12 mos?

Variable Name:

BPQ056

SAS Label:

Take blood pressure at home last 12 mos?

English Text:

{Did you/Did SP} take {your/his/her} blood pressure at home during the last 12 months?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1579 | 1579 |  |
| 2 | No | 4883 | 6462 | BPQ059 |
| 7 | Refused | 0 | 6462 | BPQ059 |
| 9 | Don't know | 2 | 6464 | BPQ059 |
| . | Missing | 0 | 6464 |  |

### BPD058 - How often checked BP at home last 12 mos

Variable Name:

BPD058

SAS Label:

How often checked BP at home last 12 mos

English Text:

How often {did you check your/did SP check his/her} blood pressure at home during the last 12 months?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 2704 | Range of Values | 1574 | 1574 |  |
| 7777 | Refused | 0 | 1574 |  |
| 9999 | Don't know | 5 | 1579 |  |
| . | Missing | 4885 | 6464 |  |

### BPQ059 - Doctor tell you to take BP at home?

Variable Name:

BPQ059

SAS Label:

Doctor tell you to take BP at home?

English Text:

Did a doctor or other health professional tell {you/SP} to take {your/his/her} blood pressure at home?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 862 | 862 |  |
| 2 | No | 5601 | 6463 |  |
| 7 | Refused | 1 | 6464 |  |
| 9 | Don't know | 0 | 6464 |  |
| . | Missing | 0 | 6464 |  |

### BPQ080 - Doctor told you - high cholesterol level

Variable Name:

BPQ080

SAS Label:

Doctor told you - high cholesterol level

English Text:

{Have you/Has SP} ever been told by a doctor or other health professional that {your/his/her} blood cholesterol level was high?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 2037 | 2037 | BPQ070 |
| 2 | No | 4391 | 6428 |  |
| 7 | Refused | 0 | 6428 |  |
| 9 | Don't know | 36 | 6464 |  |
| . | Missing | 0 | 6464 |  |

### BPQ060 - Ever had blood cholesterol checked

Variable Name:

BPQ060

SAS Label:

Ever had blood cholesterol checked

English Text:

{Have you/Has SP} ever had {your/his/her} blood cholesterol checked?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 2583 | 2583 |  |
| 2 | No | 1689 | 4272 | End of Section |
| 7 | Refused | 3 | 4275 | End of Section |
| 9 | Don't know | 152 | 4427 | End of Section |
| . | Missing | 2037 | 6464 |  |

### BPQ070 - When blood cholesterol last checked

Variable Name:

BPQ070

SAS Label:

When blood cholesterol last checked

English Text:

About how long has it been since {you/SP} last had {your/his/her} blood cholesterol checked? Has it been...

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Less than 1 year ago, | 2998 | 2998 |  |
| 2 | 1 year but less than 2 years ago, | 817 | 3815 |  |
| 3 | 2 years but less than 5 years ago, or | 535 | 4350 |  |
| 4 | 5 years or more? | 240 | 4590 |  |
| 7 | Refused | 0 | 4590 |  |
| 9 | Don't know | 30 | 4620 |  |
| . | Missing | 1844 | 6464 |  |

### BPQ090D - Told to take prescriptn for cholesterol

Variable Name:

BPQ090D

SAS Label:

Told to take prescriptn for cholesterol

English Text:

[To lower (your/his/her) blood cholesterol, (have/has) (you/SP) ever been told by a doctor or other health professional]... to take prescribed medicine?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1450 | 1450 |  |
| 2 | No | 3163 | 4613 | End of Section |
| 7 | Refused | 0 | 4613 | End of Section |
| 9 | Don't know | 7 | 4620 | End of Section |
| . | Missing | 1844 | 6464 |  |

### BPQ100D - Now taking prescribed medicine

Variable Name:

BPQ100D

SAS Label:

Now taking prescribed medicine

English Text:

(Are you/Is SP) now following this advice to take prescribed medicine?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1136 | 1136 |  |
| 2 | No | 310 | 1446 |  |
| 7 | Refused | 0 | 1446 |  |
| 9 | Don't know | 4 | 1450 |  |
| . | Missing | 5014 | 6464 |  |

**Diabetes**

### Diabetes (DIQ\_H)

#### Data File: DIQ\_H.xpt

##### First Published: October 2015

##### Last Revised: NA

## Component Description

The diabetes section (prefix DIQ) provides personal interview data on diabetes, prediabetes, use of insulin or oral hypoglycemic medications, and diabetic retinopathy. It also provides self-reported information on awareness of risk factors for diabetes, general knowledge of diabetic complications, and medical or personal cares associated with diabetes.

## Eligible Sample

All survey participants aged 1 year and older were eligible. The questions asked varied by age and history of diabetes. Please refer to check items in the diabetes questionnaire and corresponding codebook for question-specific details about the eligible target group.

## Interview Setting and Mode of Administration

These questions were asked, in the home, by trained interviewers using the Computer-Assisted Personal Interview (CAPI) system. Hand cards showing response categories were also used for some questions. When necessary, household interviewers read the hand cards to survey participants. Participants 16 years of age and older and emancipated minors were interviewed directly. A proxy provided information for survey participants who were under 16 years of age and for participants who could not answer the questions themselves.

## Quality Assurance & Quality Control

The CAPI system is programmed with built-in consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire.

## Data Processing and Editing

Frequency counts were checked, “skip” patterns were verified, and the reasonableness of question responses was reviewed. Edits were made to some variables to ensure the completeness, consistency, and analytic usefulness of the data. Edits were also made, when necessary, to address data disclosure concerns.

DID040: How old when a doctor first told you that you had diabetes?  
All responses of age 80 years and older are coded as “80”, to be consistent with the coding for the participant age variable in the demographics file. Also, the onset of diabetes at age less than 1 year was coded as 666.

DID060: For how long have you been taking insulin?  
Taking insulin less than 1 month was coded as 666.

DIQ175A--DIQ175W: Why do you think you are at risk for diabetes/prediabetes?  
The variables DIQ175A–DIQ175U correspond to each response category in the hand card. The variables DIQ175V (Craving for sweet/eating a lot of sugar), DIQ175W (Medication), and DIQ175X (Polycystic ovarian syndrome) were derived from other specified responses.

DID250: How many times have you seen doctor in the past 12 months?  
The value was coded as 0 for participants who reported “None.”

DID260: How often do you check your blood for glucose or sugar?  
This variable was coded as 0 for participants who reported “Never.”

DID320: What was your most recent LDL cholesterol number?  
This variable was coded as 5555 and 6666 for participants who reported “Never heard of LDL” and “Never had cholesterol test” respectively.

DID310S/D: What does doctor say your blood pressure should be?  
DID330: What does doctor say your LDL cholesterol should be?  
If a participant reported “Provider did not specify goal,” the value of corresponding variable was coded as 6666.

DID341: During the past 12 months, how many times has a doctor checked your feet for any sores or irritations?  
The value was coded as 0 for participants who reported “None.”

DID350: How often do you check your feet for sores or irritation?  
The value was coded as 0 for participants who reported “None.”

## Analytic Notes

In the 2013–2014 data, the core questions for the diabetes component, including doctor diagnosed diabetes, duration of diabetes, insulin use, oral diabetic medication, and diabetic retinopathy are similar to the 1999–2012 publicly release data. Questions about the participants’ knowledge of their own levels of A1c, blood pressure, and cholesterol and knowledge of appropriate target levels, as suggested by their physicians, are similar to the 2005–2008 and 2011–2012 public release data. The responses to these questions reflect the participants’ knowledge and may not be biologically reasonable. Questions regarding “Why participants feel they may be at risk for diabetes” were collected since the 2011–2012 survey.

When combining DIQ data from different survey cycles, please note that there is a possible name change for the same question across survey cycles due to data processing and editing. The following cross reference table shows these variable names from the 1999–2000 data through the 2013–2014 data.

| **Variable names across cycles** | | | | |
| --- | --- | --- | --- | --- |
| Label | 1999–2000 | 2001–2004 | 2005–2008 | 2009–2014 |
| Age when first told you had diabetes | DIQ040G | DID040G | DID040 | DID040 |
| Number of years of age | DIQ040Q | DID040Q |
| How long taking insulin | DIQ060G | DID060G | DID060 | DID060 |
| Number of mos/yrs taking insulin | DIQ060Q | DID060Q |
| Take diabetic pills to lower blood sugar | DIQ070 | DIQ070 | DID070 | DIQ070 |
| Past year times Dr check feet for sore | NA | NA | DID340 | DID341 |

Questions about whether the participant was told to control weight, increase physical activity, and reduce fat and whether the participant was now doing these activities are in the Medical Condition Section in the 2011–2012 and 2013–2014 surveys.

| **Variable comparable across cycles in different sections** | | |
| --- | --- | --- |
| Label | 2005-2008 DIQ\_D & DIQ\_E | 2011-2014 DIQ\_G & DIQ\_H |
| Past yr told control weight | DIQ190A | MCQ365A |
| Past yr told increase physical activity | DIQ190B | MCQ365B |
| Past yr told reduce fat/calories in diet | DIQ190C | MCQ365D |
| Are you controlling weight | DIQ200A | MCQ370A |
| Are you increasing physical activity | DIQ200B | MCQ370B |
| Are you reducing fat/calories in diet | DIQ200C | MCQ370D |

The analysis of NHANES 2013–2014 diabetes questionnaire data must be conducted using the appropriate survey design variables, sample weights, and the basic demographic variables. Interview weights should only be used if questionnaire data are analyzed by themselves. However, if DIQ data are merged with the MEC examination data or laboratory data, the MEC examination weights should be used for analyses. If DIQ data are merged with laboratory sub-sample data, sub-sample weights should be used for analyses.

Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

## Codebook and Frequencies

### SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 1 YEARS - 150 YEARS

### DIQ010 - Doctor told you have diabetes

Variable Name:

DIQ010

SAS Label:

Doctor told you have diabetes

English Text:

The next questions are about specific medical conditions. {Other than during pregnancy, {have you/has SP}/{Have you/Has SP}} ever been told by a doctor or health professional that {you have/{he/she/SP} has} diabetes or sugar diabetes?

English Instructions:

CAPI INSTRUCTION: IF SP AGE < 15, DISPLAY "HAVE SP" FOR THE FIRST DISPLAY AND "SP HAS" FOR THE SECOND DISPLAY. IF SP IS FEMALE AND AGE >= 20, DISPLAY "OTHER THAN DURING PREGNANCY, {HAVE YOU/HAS SP}".

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 737 | 737 |  |
| 2 | No | 8841 | 9578 | DIQ159 |
| 3 | Borderline | 185 | 9763 | DIQ159 |
| 7 | Refused | 1 | 9764 | DIQ159 |
| 9 | Don't know | 5 | 9769 | DIQ159 |
| . | Missing | 1 | 9770 |  |

### DID040 - Age when first told you had diabetes

Variable Name:

DID040

SAS Label:

Age when first told you had diabetes

English Text:

How old {was SP/were you} when a doctor or other health professional first told {you/him/her} that {you/he/she} had diabetes or sugar diabetes?

English Instructions:

ENTER AGE IN YEARS.

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 79 | Range of Values | 719 | 719 |  |
| 80 | 80 years or older | 8 | 727 |  |
| 666 | Less than 1 year | 2 | 729 |  |
| 777 | Refused | 0 | 729 |  |
| 999 | Don't know | 8 | 737 |  |
| . | Missing | 9033 | 9770 |  |

### DIQ159 - CHECK ITEM

Variable Name:

DIQ159

English Instructions:

BOX 4. CHECK ITEM DIQ.159: IF AGE <12 OR DIQ.010 = 1 (YES), GO TO DIQ.050. IF AGE >=12 AND DIQ.010 = 3, GO TO DIQ.170. OTHERWISE, CONTINUE.

Target:

Both males and females 1 YEARS - 150 YEARS

### DIQ160 - Ever told you have prediabetes

Variable Name:

DIQ160

SAS Label:

Ever told you have prediabetes

English Text:

{Have you/Has SP} ever been told by a doctor or other health professional that {you have/SP has} any of the following: prediabetes, impaired fasting glucose, impaired glucose tolerance, borderline diabetes or that {your/her/his} blood sugar is higher than normal but not high enough to be called diabetes or sugar diabetes?

English Instructions:

CAPI INSTRUCTION: HELP SCREEN: PREDIABETES, IMPAIRED FASTING GLUCOSE, IMPAIRED GLUCOSE TOLERANCE, OR BORDERLINE DIABETES OCCURS WHEN BLOOD SUGAR (GLUCOSE) LEVELS ARE HIGHER THAN NORMAL BUT NOT HIGH ENOUGH TO BE DIABETES. HAND CARD DIQ1.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 278 | 278 |  |
| 2 | No | 6001 | 6279 |  |
| 7 | Refused | 0 | 6279 |  |
| 9 | Don't know | 8 | 6287 |  |
| . | Missing | 3483 | 9770 |  |

### DIQ170 - Ever told have health risk for diabetes

Variable Name:

DIQ170

SAS Label:

Ever told have health risk for diabetes

English Text:

{Have you/Has SP} ever been told by a doctor or other health professional that {you have/s/he has} health conditions or a medical or family history that increases {your/his/her} risk for diabetes?

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 873 | 873 |  |
| 2 | No | 5577 | 6450 |  |
| 7 | Refused | 0 | 6450 |  |
| 9 | Don't know | 19 | 6469 |  |
| . | Missing | 3301 | 9770 |  |

### DIQ172 - Feel could be at risk for diabetes

Variable Name:

DIQ172

SAS Label:

Feel could be at risk for diabetes

English Text:

{Do you/Does SP} feel {you/he/she} could be at risk for diabetes or prediabetes?

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1702 | 1702 |  |
| 2 | No | 4703 | 6405 | DIQ180 |
| 7 | Refused | 0 | 6405 | DIQ180 |
| 9 | Don't know | 64 | 6469 | DIQ180 |
| . | Missing | 3301 | 9770 |  |

### DIQ175A - Family history

Variable Name:

DIQ175A

SAS Label:

Family history

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10 | Family history | 1337 | 1337 |  |
| 77 | Refused | 0 | 1337 |  |
| 99 | Don't know | 1 | 1338 |  |
| . | Missing | 8432 | 9770 |  |

### DIQ175B - Overweight

Variable Name:

DIQ175B

SAS Label:

Overweight

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 11 | Overweight | 546 | 546 |  |
| . | Missing | 9224 | 9770 |  |

### DIQ175C - Age

Variable Name:

DIQ175C

SAS Label:

Age

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 12 | Age | 112 | 112 |  |
| . | Missing | 9658 | 9770 |  |

### DIQ175D - Poor diet

Variable Name:

DIQ175D

SAS Label:

Poor diet

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 13 | Poor diet | 370 | 370 |  |
| . | Missing | 9400 | 9770 |  |

### DIQ175E - Race

Variable Name:

DIQ175E

SAS Label:

Race

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 14 | Race | 92 | 92 |  |
| . | Missing | 9678 | 9770 |  |

### DIQ175F - Had a baby weighed over 9 lbs. at birth

Variable Name:

DIQ175F

SAS Label:

Had a baby weighed over 9 lbs. at birth

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 15 | Had a baby weighed over 9 lbs. at birth | 21 | 21 |  |
| . | Missing | 9749 | 9770 |  |

### DIQ175G - Lack of physical activity

Variable Name:

DIQ175G

SAS Label:

Lack of physical activity

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 16 | Lack of physical activity | 151 | 151 |  |
| . | Missing | 9619 | 9770 |  |

### DIQ175H - High blood pressure

Variable Name:

DIQ175H

SAS Label:

High blood pressure

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 17 | High blood pressure | 151 | 151 |  |
| . | Missing | 9619 | 9770 |  |

### DIQ175I - High blood sugar

Variable Name:

DIQ175I

SAS Label:

High blood sugar

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 18 | High blood sugar | 70 | 70 |  |
| . | Missing | 9700 | 9770 |  |

### DIQ175J - High cholesterol

Variable Name:

DIQ175J

SAS Label:

High cholesterol

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 19 | High cholesterol | 107 | 107 |  |
| . | Missing | 9663 | 9770 |  |

### DIQ175K - Hypoglycemic

Variable Name:

DIQ175K

SAS Label:

Hypoglycemic

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 20 | Hypoglycemic | 39 | 39 |  |
| . | Missing | 9731 | 9770 |  |

### DIQ175L - Extreme hunger

Variable Name:

DIQ175L

SAS Label:

Extreme hunger

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 21 | Extreme hunger | 40 | 40 |  |
| . | Missing | 9730 | 9770 |  |

### DIQ175M - Tingling/numbness in hands or feet

Variable Name:

DIQ175M

SAS Label:

Tingling/numbness in hands or feet

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 22 | Tingling/numbness in hands or feet | 91 | 91 |  |
| . | Missing | 9679 | 9770 |  |

### DIQ175N - Blurred vision

Variable Name:

DIQ175N

SAS Label:

Blurred vision

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 23 | Blurred vision | 51 | 51 |  |
| . | Missing | 9719 | 9770 |  |

### DIQ175O - Increased fatigue

Variable Name:

DIQ175O

SAS Label:

Increased fatigue

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 24 | Increased fatigue | 85 | 85 |  |
| . | Missing | 9685 | 9770 |  |

### DIQ175P - Anyone could be at risk

Variable Name:

DIQ175P

SAS Label:

Anyone could be at risk

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 25 | Anyone could be at risk | 69 | 69 |  |
| . | Missing | 9701 | 9770 |  |

### DIQ175Q - Doctor warning

Variable Name:

DIQ175Q

SAS Label:

Doctor warning

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 26 | Doctor warning | 102 | 102 |  |
| . | Missing | 9668 | 9770 |  |

### DIQ175R - Other, specify

Variable Name:

DIQ175R

SAS Label:

Other, specify

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 27 | Other, specify | 20 | 20 |  |
| . | Missing | 9750 | 9770 |  |

### DIQ175S - Gestational diabetes

Variable Name:

DIQ175S

SAS Label:

Gestational diabetes

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 28 | Gestational diabetes | 30 | 30 |  |
| . | Missing | 9740 | 9770 |  |

### DIQ175T - Frequent urination

Variable Name:

DIQ175T

SAS Label:

Frequent urination

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 29 | Frequent urination | 56 | 56 |  |
| . | Missing | 9714 | 9770 |  |

### DIQ175U - Thirst

Variable Name:

DIQ175U

SAS Label:

Thirst

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 30 | Thirst | 73 | 73 |  |
| . | Missing | 9697 | 9770 |  |

### DIQ175V - Craving for sweet/eating a lot of sugar

Variable Name:

DIQ175V

SAS Label:

Craving for sweet/eating a lot of sugar

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes?

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 31 | Craving for sweet/eating a lot of sugar | 12 | 12 |  |
| . | Missing | 9758 | 9770 |  |

### DIQ175W - Medication

Variable Name:

DIQ175W

SAS Label:

Medication

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 32 | Medication | 3 | 3 |  |
| . | Missing | 9767 | 9770 |  |

### DIQ175X - Polycystic ovarian syndrome

Variable Name:

DIQ175X

SAS Label:

Polycystic ovarian syndrome

English Text:

Why {Do you/Does SP} think {you are/he is/she is} at risk for diabetes or prediabetes? [Anything else?]

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT READ. CODE ALL THAT APPLY. CAPI INSTRUCTION: IF RESPONDENT ANSWERS "OTHER", ALLOW ENTRY OF RESPONSE UP TO 250 CHARACTERS. HAND CARD DIQ2

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 33 | Polycystic ovarian syndrome | 6 | 6 |  |
| . | Missing | 9764 | 9770 |  |

### DIQ180 - Had blood tested past three years

Variable Name:

DIQ180

SAS Label:

Had blood tested past three years

English Text:

{Have you/Has SP} had a blood test for high blood sugar or diabetes within the past three years?

English Instructions:

INTERVIEWER INSTRUCTION: DO NOT INCLUDE URINE TESTS.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 2842 | 2842 |  |
| 2 | No | 3469 | 6311 |  |
| 7 | Refused | 0 | 6311 |  |
| 9 | Don't know | 158 | 6469 |  |
| . | Missing | 3301 | 9770 |  |

### DIQ050 - Taking insulin now

Variable Name:

DIQ050

SAS Label:

Taking insulin now

English Text:

{Is SP/Are you} now taking insulin

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 220 | 220 |  |
| 2 | No | 9545 | 9765 | DIQ065 |
| 7 | Refused | 1 | 9766 | DIQ065 |
| 9 | Don't know | 2 | 9768 | DIQ065 |
| . | Missing | 2 | 9770 |  |

### DID060 - How long taking insulin

Variable Name:

DID060

SAS Label:

How long taking insulin

English Text:

For how long {have you/has SP} been taking insulin?

English Instructions:

ENTER NUMBER (OF MONTHS OR YEARS).

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 46 | Range of Values | 217 | 217 |  |
| 666 | Less than 1 month | 2 | 219 |  |
| 777 | Refused | 0 | 219 |  |
| 999 | Don't know | 1 | 220 |  |
| . | Missing | 9550 | 9770 |  |

### DIQ060U - Unit of measure (month/year)

Variable Name:

DIQ060U

SAS Label:

Unit of measure (month/year)

English Text:

UNIT OF MEASURE

English Instructions:

ENTER UNIT.

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Months | 20 | 20 |  |
| 2 | Years | 197 | 217 |  |
| . | Missing | 9553 | 9770 |  |

### DIQ065 - CHECK ITEM

Variable Name:

DIQ065

English Instructions:

BOX 0. CHECK ITEM DIQ.065: IF DIQ.010 = 1 (YES) OR DIQ.010 = 3 (BORDERLINE OR PREDIABETES) OR DIQ.160 = 1 (YES) CONTINUE. OTHERWISE, GO TO END OF SECTION.

Target:

Both males and females 1 YEARS - 150 YEARS

### DIQ070 - Take diabetic pills to lower blood sugar

Variable Name:

DIQ070

SAS Label:

Take diabetic pills to lower blood sugar

English Text:

{Is SP/Are you} now taking diabetic pills to lower {{his/her}/your} blood sugar? These are sometimes called oral agents or oral hypoglycemic agents.

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 547 | 547 |  |
| 2 | No | 651 | 1198 |  |
| 7 | Refused | 0 | 1198 |  |
| 9 | Don't know | 2 | 1200 |  |
| . | Missing | 8570 | 9770 |  |

### DIQ229 - CHECK ITEM

Variable Name:

DIQ229

English Instructions:

BOX 8. CHECK ITEM DIQ.229: IF DIQ.010 = 3 (BORDERLINE OR PREDIABETES) OR DIQ.160 = 1 (YES), GO TO END OF SECTION. OTHERWISE, CONTINUE.

Target:

Both males and females 1 YEARS - 150 YEARS

### DIQ230 - How long ago saw a diabetes specialist

Variable Name:

DIQ230

SAS Label:

How long ago saw a diabetes specialist

English Text:

When was the last time {you/SP} saw a diabetes nurse educator or dietitian or nutritionist for {your/his/her} diabetes? Do not include doctors or other health professionals.

English Instructions:

INTERVIEWER INSTRUCTION: IF RESPONDENT ANSWERS "TODAY" OR A PERIOD LESS THAN A MONTH, CODE 1 - THE 0-12 MONTH CATEGORY.

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | 1 year ago or less | 279 | 279 |  |
| 2 | More than 1 year ago but no more than 2 years ago | 59 | 338 |  |
| 3 | More than 2 years ago but no more than 5 years ago | 69 | 407 |  |
| 4 | More than 5 years ago | 102 | 509 |  |
| 5 | Never | 224 | 733 |  |
| 7 | Refused | 0 | 733 |  |
| 9 | Don't know | 4 | 737 |  |
| . | Missing | 9033 | 9770 |  |

### DIQ240 - Is there one Dr you see for diabetes

Variable Name:

DIQ240

SAS Label:

Is there one Dr you see for diabetes

English Text:

Is there one doctor or other health professional {you usually see/SP usually sees} for {your/his/her} diabetes? Do not include specialists to whom {you have/SP has} been referred such as diabetes educators, dieticians or foot and eye doctors.

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 565 | 565 |  |
| 2 | No | 172 | 737 | DID260 |
| 7 | Refused | 0 | 737 | DID260 |
| 9 | Don't know | 0 | 737 | DID260 |
| . | Missing | 9033 | 9770 |  |

### DID250 - Past year how many times seen doctor

Variable Name:

DID250

SAS Label:

Past year how many times seen doctor

English Text:

How many times {have you/has SP} seen this doctor or other health professional in the past 12 months?

English Instructions:

ENTER NUMBER OF TIMES.

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 24 | Range of Values | 551 | 551 |  |
| 0 | None | 11 | 562 |  |
| 7777 | Refused | 0 | 562 |  |
| 9999 | Don't know | 3 | 565 |  |
| . | Missing | 9205 | 9770 |  |

### DID260 - How often check blood for glucose/sugar

Variable Name:

DID260

SAS Label:

How often check blood for glucose/sugar

English Text:

How often {do you check your/does SP check his/her} blood for glucose or sugar? Include times when checked by a family member or friend, but do not include times when checked by a doctor or other health professional.

English Instructions:

INTERVIEW INSTRUCTION: DO NOT INCLUDE URINE TESTS. CAPI INSTRUCTION: SOFT EDIT 7 OR MORE PER DAY, 30 OR MORE PER WEEK. ENTER NUMBER OF TIMES.

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 210 | Range of Values | 591 | 591 |  |
| 0 | Never | 138 | 729 |  |
| 777 | Refused | 0 | 729 |  |
| 999 | Don't know | 6 | 735 |  |
| . | Missing | 9035 | 9770 |  |

### DIQ260U - Unit of measure (day/week/month/year)

Variable Name:

DIQ260U

SAS Label:

Unit of measure (day/week/month/year)

English Text:

How often {do you check your/does SP check his/her} blood for glucose or sugar? Include times when checked by a family member or friend, but do not include times when checked by a doctor or other health professional.

English Instructions:

ENTER UNIT.

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Per day | 381 | 381 |  |
| 2 | Per week | 144 | 525 |  |
| 3 | Per month | 45 | 570 |  |
| 4 | Per year | 21 | 591 |  |
| . | Missing | 9179 | 9770 |  |

### DIQ275 - Past year Dr checked for A1C

Variable Name:

DIQ275

SAS Label:

Past year Dr checked for A1C

English Text:

Glycosylated (GLY-KOH-SIH-LAY-TED) hemoglobin or the "A one C" test measures your average level of blood sugar for the past 3 months, and usually ranges between 5.0 and 13.9. During the past 12 months, has a doctor or other health professional checked {your/SP's} glycosylated hemoglobin or "A one C"?

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 520 | 520 |  |
| 2 | No | 148 | 668 | DIQ295 |
| 7 | Refused | 1 | 669 | DIQ295 |
| 9 | Don't know | 68 | 737 | DIQ295 |
| . | Missing | 9033 | 9770 |  |

### DIQ280 - What was your last A1C level

Variable Name:

DIQ280

SAS Label:

What was your last A1C level

English Text:

What was {your/SP's} last "A one C" level?

English Instructions:

CAPI INSTRUCTION: SOFT EDIT FOR ANY NUMBER LESS THAN 5 OR MORE THAN 14. ENTER VALUE

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 4.1 to 14 | Range of Values | 330 | 330 |  |
| 777 | Refused | 2 | 332 |  |
| 999 | Don't know | 188 | 520 |  |
| . | Missing | 9250 | 9770 |  |

### DIQ291 - What does Dr say A1C should be

Variable Name:

DIQ291

SAS Label:

What does Dr say A1C should be

English Text:

What does {your/SP's} doctor or other health professional say {your/his/her} "A one C" level should be? (Pick the lowest level recommended by your health care professional.)

English Instructions:

HAND CARD DIQ3

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Less than 6 | 155 | 155 |  |
| 2 | Less than 7 | 149 | 304 |  |
| 3 | Less than 8 | 16 | 320 |  |
| 4 | Less than 9 | 4 | 324 |  |
| 5 | Less than 10 | 6 | 330 |  |
| 6 | Provider did not specify goal | 107 | 437 |  |
| 77 | Refused | 0 | 437 |  |
| 99 | Don't know | 83 | 520 |  |
| . | Missing | 9250 | 9770 |  |

### DIQ295 - CHECK ITEM

Variable Name:

DIQ295

English Instructions:

BOX 10A. CHECK ITEM DIQ.295: IF AGE <12, GO TO END OF SECTION. OTHERWISE, CONTINUE.

Target:

Both males and females 1 YEARS - 150 YEARS

### DIQ300S - What was your recent SBP

Variable Name:

DIQ300S

SAS Label:

What was your recent SBP

English Text:

Blood pressure is usually given as one number over another. What was {your/SP's} most recent blood pressure in numbers?

English Instructions:

ENTER VALUES. CAPI INSTRUCTION: SYSTOLIC SOFT EDIT: 80-200. DIASTOLIC SOFT EDIT: 0-150.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 88 to 255 | Range of Values | 456 | 456 |  |
| 7777 | Refused | 3 | 459 |  |
| 9999 | Don't know | 273 | 732 |  |
| . | Missing | 9038 | 9770 |  |

### DIQ300D - What was your recent DBP

Variable Name:

DIQ300D

SAS Label:

What was your recent DBP

English Text:

Blood pressure is usually given as one number over another. What was {your/SP's} most recent blood pressure in numbers?

English Instructions:

ENTER VALUES. CAPI INSTRUCTION: SYSTOLIC SOFT EDIT: 80-200. DIASTOLIC SOFT EDIT: 0-150.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 5 to 175 | Range of Values | 439 | 439 |  |
| 7777 | Refused | 3 | 442 |  |
| 9999 | Don't know | 290 | 732 |  |
| . | Missing | 9038 | 9770 |  |

### DID310S - What does Dr say SBP should be

Variable Name:

DID310S

SAS Label:

What does Dr say SBP should be

English Text:

What does {your/SP's} doctor or other health professional say {your/his/her} blood pressure should be?

English Instructions:

ENTER VALUES. INTERVIEWER INSTRUCTION. IF RANGE GIVEN, RECORD UPPER VALUE OF RANGE. CAPI INSTRUCTION: SYSTOLIC SOFT EDIT: 80-200. DIASTOLIC SOFT EDIT: 0-150.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 70 to 180 | Range of Values | 209 | 209 |  |
| 6666 | Provider did not specify goal | 390 | 599 |  |
| 7777 | Refused | 1 | 600 |  |
| 9999 | Don't know | 132 | 732 |  |
| . | Missing | 9038 | 9770 |  |

### DID310D - What does Dr say DBP should be

Variable Name:

DID310D

SAS Label:

What does Dr say DBP should be

English Text:

What does {your/SP's} doctor or other health professional say {your/his/her} blood pressure should be?

English Instructions:

ENTER VALUES. INTERVIEWER INSTRUCTION. IF RANGE GIVEN, RECORD UPPER VALUE OF RANGE. CAPI INSTRUCTION: SYSTOLIC SOFT EDIT: 80-200. DIASTOLIC SOFT EDIT: 0-150.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 5 to 120 | Range of Values | 205 | 205 |  |
| 6666 | Provider did not specify goal | 390 | 595 |  |
| 7777 | Refused | 1 | 596 |  |
| 9999 | Don't know | 136 | 732 |  |
| . | Missing | 9038 | 9770 |  |

### DID320 - What was most recent LDL number

Variable Name:

DID320

SAS Label:

What was most recent LDL number

English Text:

One part of total serum cholesterol in {your/SP's} blood is a bad cholesterol, called LDL, which builds up and clogs {your/his/her} arteries. What was {your/his/her} most recent LDL cholesterol number?

English Instructions:

ENTER VALUE CAPI INSTRUCTION: SOFT EDIT: 40-250.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 5 to 350 | Range of Values | 96 | 96 |  |
| 5555 | Never heard of LDL | 70 | 166 | DID341 |
| 6666 | Never had cholesterol test | 36 | 202 | DID341 |
| 7777 | Refused | 3 | 205 |  |
| 9999 | Don't know | 527 | 732 |  |
| . | Missing | 9038 | 9770 |  |

### DID330 - What does Dr say LDL should be

Variable Name:

DID330

SAS Label:

What does Dr say LDL should be

English Text:

What does {your/SP's} doctor or other health professional say {your/his/her} LDL cholesterol should be?

English Instructions:

ENTER VALUE. INTERVIEWER INSTRUCTION: IF RANGE GIVEN, RECORD UPPER VALUE OF RANGE. CAPI INSTRUCTION: SOFT EDIT: 40-250.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 2 to 250 | Range of Values | 62 | 62 |  |
| 6666 | Provider did not specify goal | 288 | 350 |  |
| 7777 | Refused | 1 | 351 |  |
| 9999 | Don't know | 275 | 626 |  |
| . | Missing | 9144 | 9770 |  |

### DID341 - Past year times Dr check feet for sores

Variable Name:

DID341

SAS Label:

Past year times Dr check feet for sores

English Text:

During the past 12 months, about how many times has a doctor or other health professional checked {your/SP's} feet for any sores or irritations?

English Instructions:

ENTER NUMBER OF TIMES.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 104 | Range of Values | 511 | 511 |  |
| 0 | None | 211 | 722 |  |
| 7777 | Refused | 0 | 722 |  |
| 9999 | Don't know/not sure | 8 | 730 |  |
| . | Missing | 9040 | 9770 |  |

### DID350 - How often do you check your feet

Variable Name:

DID350

SAS Label:

How often do you check your feet

English Text:

How often {do you check your feet/does SP check (his/her) feet} for sores or irritations? Include times when checked by a family member or friend, but do not include times when checked by a doctor or other health professional.

English Instructions:

ENTER NUMBER OF TIMES.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 100 | Range of Values | 597 | 597 |  |
| 0 | None | 128 | 725 |  |
| 7777 | Refused | 0 | 725 |  |
| 9999 | Don't know | 5 | 730 |  |
| . | Missing | 9040 | 9770 |  |

### DIQ350U - Unit of measure (day/week/month/year)

Variable Name:

DIQ350U

SAS Label:

Unit of measure (day/week/month/year)

English Text:

How often {do you check your feet/does SP check (his/her) feet} for sores or irritations? Include times when checked by a family member or friend, but do not include times when checked by a doctor or other health professional.

English Instructions:

ENTER UNIT.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Per day | 423 | 423 |  |
| 2 | Per week | 119 | 542 |  |
| 3 | Per month | 39 | 581 |  |
| 4 | Per year | 16 | 597 |  |
| . | Missing | 9173 | 9770 |  |

### DIQ360 - Last time had pupils dilated for exam

Variable Name:

DIQ360

SAS Label:

Last time had pupils dilated for exam

English Text:

When was the last time {you/SP} had an eye exam in which the pupils were dilated? This would have made {you/SP} temporarily sensitive to bright light.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Less than 1 month | 81 | 81 |  |
| 2 | 1-12 months | 362 | 443 |  |
| 3 | 13-24 months | 106 | 549 |  |
| 4 | Greater than 2 years | 115 | 664 |  |
| 5 | Never | 62 | 726 |  |
| 7 | Refused | 0 | 726 |  |
| 9 | Don't know | 6 | 732 |  |
| . | Missing | 9038 | 9770 |  |

### DIQ080 - Diabetes affected eyes/had retinopathy

Variable Name:

DIQ080

SAS Label:

Diabetes affected eyes/had retinopathy

English Text:

Has a doctor ever told {you/SP} that diabetes has affected {your/his/her} eyes or that {you/s/he} had retinopathy (ret-in-op-ath-ee)?

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 156 | 156 |  |
| 2 | No | 569 | 725 |  |
| 7 | Refused | 0 | 725 |  |
| 9 | Don't know | 7 | 732 |  |
| . | Missing | 9038 | 9770 |  |

**Medical Conditions**

### Medical Conditions (MCQ\_H)

#### Data File: MCQ\_H.xpt

##### First Published: October 2015

##### Last Revised: NA

## Component Description

The medical conditions section (variable name prefix MCQ) provides self-reported personal interview data on a broad range of health conditions for both children and adults. The NHANES MCQ questionnaire section is generally modeled on the “Medical Conditions” questionnaire section of the U.S. National Health Interview Survey.

**Major Topics in the MCQ Section:**

**Health Conditions / Medical History:**

* Asthma, Childhood and Adult
* Anemia
* Psoriasis
* Heart Diseases
* Arthritis
* Blood Transfusions
* Cancer (Multiple varieties)
* Chronic Bronchitis
* Gout
* Primary Lifestyle Modification to Reduce CVD
* Hay fever
* Emphysema
* Liver Disease
* Celiac Desease
* Menses Onset
* Overweight
* Stroke
* Thyroid Problems
* Vision
* Memory-Cognitive Function
* Jaundice

**Family History of Disease:**

* Asthma
* Diabetes
* Heart Attack/Angina

## Eligible Sample

The target sample for questions in this section varies by age and gender. Please review the questionnaire and codebook carefully. Frequency counts were verified during the preparation of the file.

## Interview Setting and Mode of Administration

These questions were asked, in the home, by trained interviewers using the Computer-Assisted Personal Interviewing (CAPI) system. The survey questionnaire is available on the [NHANES website](https://www.cdc.gov/nchs/nhanes/index.htm).

## Quality Assurance & Quality Control

The CAPI system is programmed with built-in consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire.

## Data Processing and Editing

The data were reviewed and edited for completeness, consistency, and illogical values.

## Analytic Notes

A number of additional questions occur in MCQ that are logically related to other questionnaire sections or exam segments. Analysts should refer to these other NHANES sections as part of any data analysis.

Although these data were collected as part of the household questionnaire, if they are merged with the MEC exam data, exam sample weights should be used for the analyses.

Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

**Changes Since 2011-2012:**

Discontinued Question:

* MCQ051
* MCQ140

New Questions:

* AGQ0301
* MCQ160o
* MCQ203
* MCQ206
* MCQ2072

1 AGQ030: Moved from respiratory health and disease (RDQ) without changing the question in 2011-2012.  
2 MCQ207 (data is not available) was designed to exclude the study participants who had “infant jaundice.”

## Codebook and Frequencies

### SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 1 YEARS - 150 YEARS

### MCQ010 - Ever been told you have asthma

Variable Name:

MCQ010

SAS Label:

Ever been told you have asthma

English Text:

The following questions are about different medical conditions. Has a doctor or other health professional ever told {you/SP} that {you have/s/he/SP has} asthma (az-ma)?

English Instructions:

CAPI INSTRUCTION: IF SP AGE >= 16, DISPLAY "YOU" AND "YOU HAVE". IF SP AGE = 12-15, DISPLAY "SP" AND "S/HE HAS". IF SP AGE < 12, DISPLAY "YOU" AND "SP HAS".

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1538 | 1538 |  |
| 2 | No | 8222 | 9760 | MCQ053 |
| 7 | Refused | 1 | 9761 | MCQ053 |
| 9 | Don't know | 8 | 9769 | MCQ053 |
| . | Missing | 1 | 9770 |  |

### MCQ025 - Age when first had asthma

Variable Name:

MCQ025

SAS Label:

Age when first had asthma

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/he/she} had asthma (az-ma)?

English Instructions:

IF LESS THAN 1 YEAR, ENTER 1. CAPI INSTRUCTION: IF SP AGE >= 16, DISPLAY "WERE YOU" AND "YOU WERE". IF SP AGE = 12-15, DISPLAY "WAS {SP}" AND "S/HE WAS". IF SP AGE < 12, DISPLAY "WAS {SP}" AND "YOU WERE". ENTER AGE IN YEARS. CAPI INSTRUCTION: HARD EDIT: 1-120

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 78 | Range of Values | 1507 | 1507 |  |
| 80 | 80 years or older | 6 | 1513 |  |
| 77777 | Refused | 0 | 1513 |  |
| 99999 | Don't know | 25 | 1538 |  |
| . | Missing | 8232 | 9770 |  |

### MCQ035 - Still have asthma

Variable Name:

MCQ035

SAS Label:

Still have asthma

English Text:

{Do you/Does SP} still have asthma (az-ma)?

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 939 | 939 |  |
| 2 | No | 582 | 1521 | MCQ053 |
| 7 | Refused | 0 | 1521 | MCQ053 |
| 9 | Don't know | 17 | 1538 | MCQ053 |
| . | Missing | 8232 | 9770 |  |

### MCQ040 - Had asthma attack in past year

Variable Name:

MCQ040

SAS Label:

Had asthma attack in past year

English Text:

During the past 12 months, {have you/has SP} had an episode of asthma (az-ma) or an asthma attack?

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 464 | 464 |  |
| 2 | No | 473 | 937 |  |
| 7 | Refused | 0 | 937 |  |
| 9 | Don't know | 2 | 939 |  |
| . | Missing | 8831 | 9770 |  |

### MCQ050 - Emergency care visit for asthma/past yr

Variable Name:

MCQ050

SAS Label:

Emergency care visit for asthma/past yr

English Text:

[During the past 12 months], {have you/has SP} had to visit an emergency room or urgent care center because of asthma (az-ma)?

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 193 | 193 |  |
| 2 | No | 745 | 938 |  |
| 7 | Refused | 0 | 938 |  |
| 9 | Don't know | 1 | 939 |  |
| . | Missing | 8831 | 9770 |  |

### AGQ030 - Did SP have episode of hay fever/past yr

Variable Name:

AGQ030

SAS Label:

Did SP have episode of hay fever/past yr

English Text:

During the past 12 months, {have you/has SP} had an episode of hay fever?

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 261 | 261 |  |
| 2 | No | 675 | 936 |  |
| 7 | Refused | 0 | 936 |  |
| 9 | Don't know | 3 | 939 |  |
| . | Missing | 8831 | 9770 |  |

### MCQ053 - Taking treatment for anemia/past 3 mos

Variable Name:

MCQ053

SAS Label:

Taking treatment for anemia/past 3 mos

English Text:

During the past 3 months, {have you/has SP} been on treatment for anemia (a-nee-me-a), sometimes called "tired blood" or "low blood"? [Include diet, iron pills, iron shots, transfusions as treatment.]

Target:

Both males and females 1 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 308 | 308 |  |
| 2 | No | 9454 | 9762 |  |
| 7 | Refused | 1 | 9763 |  |
| 9 | Don't know | 6 | 9769 |  |
| . | Missing | 1 | 9770 |  |

### MCQ070 - Ever been told you have psoriasis?

Variable Name:

MCQ070

SAS Label:

Ever been told you have psoriasis?

English Text:

{Have you/Has SP} ever been told by a doctor or other health care professional that {you/s/he} had psoriasis (sore-eye-asis)?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 162 | 162 |  |
| 2 | No | 6296 | 6458 | MCQ080 |
| 7 | Refused | 0 | 6458 | MCQ080 |
| 9 | Don't know | 6 | 6464 | MCQ080 |
| . | Missing | 3306 | 9770 |  |

### MCQ075 - Degree of Psoriasis

Variable Name:

MCQ075

SAS Label:

Degree of Psoriasis

English Text:

{Do you/Does SP} currently have . . .

English Instructions:

HAND CARD MCQ1

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | little or no psoriasis, | 88 | 88 |  |
| 2 | only a few patches (that could be covered by one or two palms of {your/his/her} hand), | 37 | 125 |  |
| 3 | scattered patches (that could be covered between three and ten palms of {your/ his/her} hand), or | 28 | 153 |  |
| 4 | extensive psoriasis (covering large areas of the body, that would be more than ten palms of {your/his/her} hand)? | 7 | 160 |  |
| 7 | Refused | 0 | 160 |  |
| 9 | Don't know | 2 | 162 |  |
| . | Missing | 9608 | 9770 |  |

### MCQ080 - Doctor ever said you were overweight

Variable Name:

MCQ080

SAS Label:

Doctor ever said you were overweight

English Text:

Has a doctor or other health professional ever told {you/SP} that {you were/s/he/SP was} overweight?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 2154 | 2154 |  |
| 2 | No | 4308 | 6462 |  |
| 7 | Refused | 0 | 6462 |  |
| 9 | Don't know | 2 | 6464 |  |
| . | Missing | 3306 | 9770 |  |

### MCQ082 - Ever been told you have celiac disease?

Variable Name:

MCQ082

SAS Label:

Ever been told you have celiac disease?

English Text:

Has a doctor or other health professional ever told {you/SP} that {you have/s/he/SP has} celiac (sele-ak) disease, also called or sprue (sproo)?

English Instructions:

CAPI INSTRUCTION: IF SP AGE >= 16, DISPLAY "YOU" AND "YOU HAVE". IF SP AGE = 12-15, DISPLAY "SP" AND "S/HE HAS". IF SP AGE < 12, DISPLAY "YOU" AND "SP HAS".

Target:

Both males and females 6 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 33 | 33 |  |
| 2 | No | 8534 | 8567 |  |
| 7 | Refused | 0 | 8567 |  |
| 9 | Don't know | 5 | 8572 |  |
| . | Missing | 1198 | 9770 |  |

### MCQ084 - Difficulties in thinking or remembering

Variable Name:

MCQ084

SAS Label:

Difficulties in thinking or remembering

English Text:

The next question asks about difficulties in thinking or remembering that can make a big difference in everyday activities. This does not refer to occasionally forgetting your keys or the name of someone you recently met. This refers to things like confusion or memory loss that are happening more often or getting worse. We want to know how these difficulties impact {you/SP}. During the past 12 months, {have you/has she/has he} experienced confusion or memory loss that is happening more often or is getting worse?

Target:

Both males and females 60 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 318 | 318 |  |
| 2 | No | 1521 | 1839 |  |
| 7 | Refused | 0 | 1839 |  |
| 9 | Don't know | 1 | 1840 |  |
| . | Missing | 7930 | 9770 |  |

### MCQ086 - Are you on a gluten-free diet?

Variable Name:

MCQ086

SAS Label:

Are you on a gluten-free diet?

English Text:

{Are you/is SP} on a gluten-free diet?

Target:

Both males and females 6 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 123 | 123 |  |
| 2 | No | 8446 | 8569 |  |
| 7 | Refused | 0 | 8569 |  |
| 9 | Don't know | 3 | 8572 |  |
| . | Missing | 1198 | 9770 |  |

### MCQ092 - Ever receive blood transfusion

Variable Name:

MCQ092

SAS Label:

Ever receive blood transfusion

English Text:

{Have you/Has SP} ever received a blood transfusion?

Target:

Both males and females 6 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 732 | 732 |  |
| 2 | No | 7782 | 8514 | MCQ149 |
| 7 | Refused | 1 | 8515 | MCQ149 |
| 9 | Don't know | 57 | 8572 | MCQ149 |
| . | Missing | 1198 | 9770 |  |

### MCD093 - Year receive blood transfusion

Variable Name:

MCD093

SAS Label:

Year receive blood transfusion

English Text:

In what year did {you/SP} receive {your/his/her} first transfusion?

English Instructions:

ENTER 4-DIGIT YEAR

Target:

Both males and females 6 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Before 1972 | 128 | 128 |  |
| 2 | 1972 - 1991 | 187 | 315 |  |
| 3 | 1992 to present | 388 | 703 |  |
| 7 | Refused | 1 | 704 |  |
| 9 | Don't know | 28 | 732 |  |
| . | Missing | 9038 | 9770 |  |

### MCQ149 - Menstrual periods started yet?

Variable Name:

MCQ149

SAS Label:

Menstrual periods started yet?

English Text:

Have {SP's} periods or menstrual (men-stral) cycles started yet?

Target:

Females only 8 YEARS - 11 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 38 | 38 |  |
| 2 | No | 394 | 432 | MCQ203 |
| 7 | Refused | 0 | 432 | MCQ203 |
| 9 | Don't know | 0 | 432 | MCQ203 |
| . | Missing | 9338 | 9770 |  |

### MCQ151 - Age at first menstrual period

Variable Name:

MCQ151

SAS Label:

Age at first menstrual period

English Text:

How old was {SP} when she had {her} first menstrual period?

English Instructions:

HARD EDITS: MAXIMUM OF 11 AND AGE OF ONSET MUST BE LESS THAN OR EQUAL TO CURRENT AGE. SOFT EDIT: IF AGE LESS THAN 7.

Target:

Females only 8 YEARS - 11 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 8 to 11 | Range of Values | 38 | 38 |  |
| 77 | Refused | 0 | 38 | MCQ203 |
| 99 | Don't know | 0 | 38 | MCQ203 |
| . | Missing | 9732 | 9770 |  |

### MCQ160a - Doctor ever said you had arthritis

Variable Name:

MCQ160a

SAS Label:

Doctor ever said you had arthritis

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had arthritis (ar-thry-tis)?

English Instructions:

CAPI INSTRUCTION: TEXT OF QUESTION SHOULD BE OPTIONAL AFTER FIRST ITEM IS READ.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1508 | 1508 |  |
| 2 | No | 4248 | 5756 |  |
| 7 | Refused | 0 | 5756 |  |
| 9 | Don't know | 13 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ180a - Age when told you had arthritis

Variable Name:

MCQ180a

SAS Label:

Age when told you had arthritis

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . . had arthritis?

English Instructions:

ENTER AGE IN YEARS.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 79 | Range of Values | 1426 | 1426 |  |
| 80 | 80 years or older | 52 | 1478 |  |
| 77777 | Refused | 0 | 1478 |  |
| 99999 | Don't know | 30 | 1508 |  |
| . | Missing | 8262 | 9770 |  |

### MCQ195 - Which type of arthritis was it?

Variable Name:

MCQ195

SAS Label:

Which type of arthritis was it?

English Text:

Which type of arthritis was it?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Osteoarthritis or degenerative arthritis | 694 | 694 |  |
| 2 | Rheumatoid arthritis | 254 | 948 |  |
| 3 | Psoriatic arthritis | 21 | 969 |  |
| 4 | Other | 138 | 1107 |  |
| 7 | Refused | 1 | 1108 |  |
| 9 | Don't know | 400 | 1508 |  |
| . | Missing | 8262 | 9770 |  |

### MCQ160n - Doctor ever told you that you had gout?

Variable Name:

MCQ160n

SAS Label:

Doctor ever told you that you had gout?

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had gout?

English Instructions:

CAPI INSTRUCTION: TEXT OF QUESTION SHOULD BE OPTIONAL AFTER FIRST ITEM IS READ.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 234 | 234 |  |
| 2 | No | 5531 | 5765 |  |
| 7 | Refused | 0 | 5765 |  |
| 9 | Don't know | 4 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ180n - Age when told you had gout.

Variable Name:

MCQ180n

SAS Label:

Age when told you had gout.

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had gout?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 8 to 79 | Range of Values | 219 | 219 |  |
| 80 | 80 years or older | 12 | 231 |  |
| 77777 | Refused | 0 | 231 |  |
| 99999 | Don't know | 3 | 234 |  |
| . | Missing | 9536 | 9770 |  |

### MCQ160b - Ever told had congestive heart failure

Variable Name:

MCQ160b

SAS Label:

Ever told had congestive heart failure

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had congestive heart failure?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 182 | 182 |  |
| 2 | No | 5579 | 5761 |  |
| 7 | Refused | 0 | 5761 |  |
| 9 | Don't know | 8 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ180b - Age when told you had heart failure

Variable Name:

MCQ180b

SAS Label:

Age when told you had heart failure

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had congestive heart failure?

English Instructions:

ENTER AGE IN YEARS. SKIP TO MCQ160c.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 79 | Range of Values | 166 | 166 |  |
| 80 | 80 years or older | 15 | 181 |  |
| 77777 | Refused | 0 | 181 |  |
| 99999 | Don't know | 1 | 182 |  |
| . | Missing | 9588 | 9770 |  |

### MCQ160c - Ever told you had coronary heart disease

Variable Name:

MCQ160c

SAS Label:

Ever told you had coronary heart disease

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had coronary (kor-o-nare-ee) heart disease?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 232 | 232 |  |
| 2 | No | 5519 | 5751 |  |
| 7 | Refused | 0 | 5751 |  |
| 9 | Don't know | 18 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ180c - Age when told had coronary heart disease

Variable Name:

MCQ180c

SAS Label:

Age when told had coronary heart disease

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had coronary heart disease?

English Instructions:

ENTER AGE IN YEARS. SKIP TO MCQ160d.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 79 | Range of Values | 210 | 210 |  |
| 80 | 80 years or older | 21 | 231 |  |
| 77777 | Refused | 0 | 231 |  |
| 99999 | Don't know | 1 | 232 |  |
| . | Missing | 9538 | 9770 |  |

### MCQ160d - Ever told you had angina/angina pectoris

Variable Name:

MCQ160d

SAS Label:

Ever told you had angina/angina pectoris

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had angina (an-gi-na), also called angina pectoris?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 136 | 136 |  |
| 2 | No | 5625 | 5761 |  |
| 7 | Refused | 0 | 5761 |  |
| 9 | Don't know | 8 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ180d - Age when told you had angina pectoris

Variable Name:

MCQ180d

SAS Label:

Age when told you had angina pectoris

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had angina, also called angina pectoris?

English Instructions:

ENTER AGE IN YEARS. SKIP TO MCQ160e.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 9 to 79 | Range of Values | 125 | 125 |  |
| 80 | 80 years or older | 10 | 135 |  |
| 77777 | Refused | 0 | 135 |  |
| 99999 | Don't know | 1 | 136 |  |
| . | Missing | 9634 | 9770 |  |

### MCQ160e - Ever told you had heart attack

Variable Name:

MCQ160e

SAS Label:

Ever told you had heart attack

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had a heart attack (also called myocardial infarction (my-o-car-dee-al in-fark-shun))?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 230 | 230 |  |
| 2 | No | 5536 | 5766 |  |
| 7 | Refused | 0 | 5766 |  |
| 9 | Don't know | 3 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ180e - Age when told you had heart attack

Variable Name:

MCQ180e

SAS Label:

Age when told you had heart attack

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had a heart attack (also called myocardial infarction)?

English Instructions:

ENTER AGE IN YEARS. SKIP TO MCQ160f.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 16 to 78 | Range of Values | 215 | 215 |  |
| 80 | 80 years or older | 13 | 228 |  |
| 77777 | Refused | 0 | 228 |  |
| 99999 | Don't know | 1 | 229 |  |
| . | Missing | 9541 | 9770 |  |

### MCQ160f - Ever told you had a stroke

Variable Name:

MCQ160f

SAS Label:

Ever told you had a stroke

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had a stroke?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 202 | 202 |  |
| 2 | No | 5562 | 5764 |  |
| 7 | Refused | 0 | 5764 |  |
| 9 | Don't know | 5 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ180f - Age when told you had a stroke

Variable Name:

MCQ180f

SAS Label:

Age when told you had a stroke

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had a stroke?

English Instructions:

ENTER AGE IN YEARS. SKIP TO MCQ160g.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 7 to 79 | Range of Values | 182 | 182 |  |
| 80 | 80 years or older | 18 | 200 |  |
| 77777 | Refused | 0 | 200 |  |
| 99999 | Don't know | 2 | 202 |  |
| . | Missing | 9568 | 9770 |  |

### MCQ160g - Ever told you had emphysema

Variable Name:

MCQ160g

SAS Label:

Ever told you had emphysema

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had emphysema (emph-phi-see-ma)?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 95 | 95 |  |
| 2 | No | 5671 | 5766 |  |
| 7 | Refused | 0 | 5766 |  |
| 9 | Don't know | 3 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ180g - Age when told you had emphysema

Variable Name:

MCQ180g

SAS Label:

Age when told you had emphysema

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had emphysema?

English Instructions:

ENTER AGE IN YEARS. SKIP TO MCQ160h.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10 to 79 | Range of Values | 89 | 89 |  |
| 80 | 80 years or older | 4 | 93 |  |
| 77777 | Refused | 0 | 93 |  |
| 99999 | Don't know | 2 | 95 |  |
| . | Missing | 9675 | 9770 |  |

### MCQ160m - Ever told you had thyroid problem

Variable Name:

MCQ160m

SAS Label:

Ever told you had thyroid problem

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had another thyroid (thigh-roid) problem?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 601 | 601 |  |
| 2 | No | 5157 | 5758 | MCQ160k |
| 7 | Refused | 0 | 5758 | MCQ160k |
| 9 | Don't know | 11 | 5769 | MCQ160k |
| . | Missing | 4001 | 9770 |  |

### MCQ170m - Do you still have thyroid problem

Variable Name:

MCQ170m

SAS Label:

Do you still have thyroid problem

English Text:

{Do you/Does SP} still . . . have another thyroid problem?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 432 | 432 |  |
| 2 | No | 149 | 581 |  |
| 7 | Refused | 0 | 581 |  |
| 9 | Don't know | 20 | 601 |  |
| . | Missing | 9169 | 9770 |  |

### MCQ180m - Age when told you had thyroid problem

Variable Name:

MCQ180m

SAS Label:

Age when told you had thyroid problem

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had another thyroid problem?

English Instructions:

ENTER AGE IN YEARS. SKIP TO MCQ160j.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 78 | Range of Values | 579 | 579 |  |
| 80 | 80 years or older | 12 | 591 |  |
| 77777 | Refused | 0 | 591 |  |
| 99999 | Don't know | 10 | 601 |  |
| . | Missing | 9169 | 9770 |  |

### MCQ160k - Ever told you had chronic bronchitis

Variable Name:

MCQ160k

SAS Label:

Ever told you had chronic bronchitis

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had chronic bronchitis?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 320 | 320 |  |
| 2 | No | 5441 | 5761 |  |
| 7 | Refused | 0 | 5761 |  |
| 9 | Don't know | 8 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ170k - Do you still have chronic bronchitis

Variable Name:

MCQ170k

SAS Label:

Do you still have chronic bronchitis

English Text:

{Do you/Does SP} still . . . have chronic bronchitis?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 150 | 150 |  |
| 2 | No | 162 | 312 |  |
| 7 | Refused | 0 | 312 |  |
| 9 | Don't know | 8 | 320 |  |
| . | Missing | 9450 | 9770 |  |

### MCQ180k - Age when told you had chronic bronchitis

Variable Name:

MCQ180k

SAS Label:

Age when told you had chronic bronchitis

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had chronic bronchitis?

English Instructions:

ENTER AGE IN YEARS. SKIP TO MCQ160l.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 79 | Range of Values | 304 | 304 |  |
| 80 | 80 years or older | 6 | 310 |  |
| 77777 | Refused | 0 | 310 |  |
| 99999 | Don't know | 10 | 320 |  |
| . | Missing | 9450 | 9770 |  |

### MCQ160l - Ever told you had any liver condition

Variable Name:

MCQ160l

SAS Label:

Ever told you had any liver condition

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had any kind of liver condition?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 234 | 234 |  |
| 2 | No | 5525 | 5759 | MCQ160o |
| 7 | Refused | 0 | 5759 | MCQ160o |
| 9 | Don't know | 10 | 5769 | MCQ160o |
| . | Missing | 4001 | 9770 |  |

### MCQ170l - Do you still have a liver condition

Variable Name:

MCQ170l

SAS Label:

Do you still have a liver condition

English Text:

{Do you/Does SP} still . . . have any kind of liver condition?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 132 | 132 |  |
| 2 | No | 83 | 215 |  |
| 7 | Refused | 0 | 215 |  |
| 9 | Don't know | 19 | 234 |  |
| . | Missing | 9536 | 9770 |  |

### MCQ180l - Age when told you had a liver condition

Variable Name:

MCQ180l

SAS Label:

Age when told you had a liver condition

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} . . .had any kind of liver condition?

English Instructions:

ENTER AGE IN YEARS.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 5 to 75 | Range of Values | 230 | 230 |  |
| 80 | 80 years or older | 0 | 230 |  |
| 77777 | Refused | 0 | 230 |  |
| 99999 | Don't know | 4 | 234 |  |
| . | Missing | 9536 | 9770 |  |

### MCQ160o - Ever told you had COPD?

Variable Name:

MCQ160o

SAS Label:

Ever told you had COPD?

English Text:

Has a doctor or other health professional ever told {you/SP} that {you/s/he} . . .had COPD?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 192 | 192 |  |
| 2 | No | 5573 | 5765 |  |
| 7 | Refused | 0 | 5765 |  |
| 9 | Don't know | 4 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ203 - Ever been told you have jaundice?

Variable Name:

MCQ203

SAS Label:

Ever been told you have jaundice?

English Text:

Has anyone ever told {you/SP} that {you/she/he/SP} had yellow skin, yellow eyes or jaundice? Please do not include infant jaundice, which is common during the first weeks after birth.

English Instructions:

CAPI INSTRUCTION: IF SP AGE >= 16, DISPLAY "YOU" AND "YOU". IF SP AGE = 12-15, DISPLAY "SP" AND "S/HE". IF SP AGE = 6-11, DISPLAY "YOU" AND "SP". INTERVIEWER: DO ACCEPT SELF-DIAGNOSED OR DIAGNOSED BY A PERSON WHO IS NOT A DOCTOR OR OTHER HEALTH PROFESSIONAL.

Target:

Both males and females 6 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 157 | 157 |  |
| 2 | No | 8304 | 8461 | MCQ220 |
| 7 | Refused | 0 | 8461 | MCQ220 |
| 9 | Don't know | 11 | 8472 | MCQ220 |
| . | Missing | 1298 | 9770 |  |

### MCQ206 - Age when told you have jaundice?

Variable Name:

MCQ206

SAS Label:

Age when told you have jaundice?

English Text:

How old {were you/was SP} when {you were/s/he was} first told {you/s/he} had yellow skin, yellow eyes or jaundice?

English Instructions:

INTERVIEWER: IF LESS THAN 1 YEAR, ENTER 0 CAPI INSTRUCTION: IF SP AGE >= 16, DISPLAY "WERE YOU" AND "YOU WERE" AND "YOU". IF SP AGE = 12-15, DISPLAY "WAS {SP}" AND "S/HE WAS" AND "S/HE". IF SP AGE = 6-11, DISPLAY "WAS {SP}" AND "YOU WERE" AND "S/HE". HARD EDIT: MCQ.206 > SP AGE

Target:

Both males and females 6 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 72 | Range of Values | 155 | 155 |  |
| 80 | 80 years or older | 0 | 155 |  |
| 777 | Refused | 0 | 155 |  |
| 999 | Don't know | 2 | 157 |  |
| . | Missing | 9613 | 9770 |  |

### MCQ220 - Ever told you had cancer or malignancy

Variable Name:

MCQ220

SAS Label:

Ever told you had cancer or malignancy

English Text:

{Have you/Has SP} ever been told by a doctor or other health professional that {you/s/he} had cancer or a malignancy (ma-lig-nan-see) of any kind?

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 547 | 547 |  |
| 2 | No | 5222 | 5769 | MCQ300a |
| 7 | Refused | 0 | 5769 | MCQ300a |
| 9 | Don't know | 0 | 5769 | MCQ300a |
| . | Missing | 4001 | 9770 |  |

### MCQ230a - What kind of cancer

Variable Name:

MCQ230a

SAS Label:

What kind of cancer

English Text:

What kind of cancer was it?

English Instructions:

ENTER UP TO 3 KINDS. IF RESPONDENT OFFERS MORE THAN 3, ENTER 66 AS THE 4TH RESPONSE. CAPI INSTRUCTIONS: ALLOW UP TO 3 ENTRIES. ALLOW 'MORE THAN 3 KINDS' (CODE 66) ONLY AS 4TH ENTRY.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10 | Bladder | 8 | 8 |  |
| 11 | Blood | 4 | 12 |  |
| 12 | Bone | 0 | 12 |  |
| 13 | Brain | 3 | 15 |  |
| 14 | Breast | 95 | 110 |  |
| 15 | Cervix (cervical) | 35 | 145 |  |
| 16 | Colon | 24 | 169 |  |
| 17 | Esophagus (esophageal) | 1 | 170 |  |
| 18 | Gallbladder | 0 | 170 |  |
| 19 | Kidney | 11 | 181 |  |
| 20 | Larynx/ windpipe | 4 | 185 |  |
| 21 | Leukemia | 4 | 189 |  |
| 22 | Liver | 4 | 193 |  |
| 23 | Lung | 16 | 209 |  |
| 24 | Lymphoma/ Hodgkin's disease | 10 | 219 |  |
| 25 | Melanoma | 38 | 257 |  |
| 26 | Mouth/tongue/lip | 4 | 261 |  |
| 27 | Nervous system | 0 | 261 |  |
| 28 | Ovary (ovarian) | 7 | 268 |  |
| 29 | Pancreas (pancreatic) | 2 | 270 |  |
| 30 | Prostate | 65 | 335 |  |
| 31 | Rectum (rectal) | 1 | 336 |  |
| 32 | Skin (non-melanoma) | 98 | 434 |  |
| 33 | Skin (don't know what kind) | 47 | 481 |  |
| 34 | Soft tissue (muscle or fat) | 3 | 484 |  |
| 35 | Stomach | 3 | 487 |  |
| 36 | Testis (testicular) | 3 | 490 |  |
| 37 | Thyroid | 11 | 501 |  |
| 38 | Uterus (uterine) | 16 | 517 |  |
| 39 | Other | 26 | 543 |  |
| 66 | More than 3 kinds | 0 | 543 |  |
| 77 | Refused | 0 | 543 |  |
| 99 | Don't know | 4 | 547 |  |
| . | Missing | 9223 | 9770 |  |

### MCQ230b - What kind of cancer

Variable Name:

MCQ230b

SAS Label:

What kind of cancer

English Text:

What kind of cancer was it?

English Instructions:

ENTER UP TO 3 KINDS. IF RESPONDENT OFFERS MORE THAN 3, ENTER 66 AS THE 4TH RESPONSE. CAPI INSTRUCTIONS: ALLOW UP TO 3 ENTRIES. ALLOW 'MORE THAN 3 KINDS (CODE 66) ONLY AS 4TH ENTRY.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10 | Bladder | 3 | 3 |  |
| 11 | Blood | 0 | 3 |  |
| 12 | Bone | 2 | 5 |  |
| 13 | Brain | 0 | 5 |  |
| 14 | Breast | 5 | 10 |  |
| 15 | Cervix (cervical) | 2 | 12 |  |
| 16 | Colon | 3 | 15 |  |
| 17 | Esophagus (esophageal) | 1 | 16 |  |
| 18 | Gallbladder | 0 | 16 |  |
| 19 | Kidney | 1 | 17 |  |
| 20 | Larynx/ windpipe | 0 | 17 |  |
| 21 | Leukemia | 1 | 18 |  |
| 22 | Liver | 1 | 19 |  |
| 23 | Lung | 4 | 23 |  |
| 24 | Lymphoma/ Hodgkins disease | 1 | 24 |  |
| 25 | Melanoma | 4 | 28 |  |
| 26 | Mouth/tongue/lip | 0 | 28 |  |
| 27 | Nervous system | 0 | 28 |  |
| 28 | Ovary (ovarian) | 3 | 31 |  |
| 29 | Pancreas (pancreatic) | 1 | 32 |  |
| 30 | Prostate | 2 | 34 |  |
| 31 | Rectum (rectal) | 0 | 34 |  |
| 32 | Skin (non-melanoma) | 7 | 41 |  |
| 33 | Skin (don't know what kind) | 10 | 51 |  |
| 34 | Soft tissue (muscle or fat) | 0 | 51 |  |
| 35 | Stomach | 0 | 51 |  |
| 36 | Testis (testicular) | 0 | 51 |  |
| 37 | Thyroid | 1 | 52 |  |
| 38 | Uterus (uterine) | 2 | 54 |  |
| 39 | Other | 7 | 61 |  |
| 66 | More than 3 kinds | 0 | 61 |  |
| 77 | Refused | 0 | 61 |  |
| 99 | Don't know | 0 | 61 |  |
| . | Missing | 9709 | 9770 |  |

### MCQ230c - What kind of cancer

Variable Name:

MCQ230c

SAS Label:

What kind of cancer

English Text:

What kind of cancer was it?

English Instructions:

ENTER UP TO 3 KINDS. IF RESPONDENT OFFERS MORE THAN 3, ENTER 66 AS THE 4TH RESPONSE. CAPI INSTRUCTIONS: ALLOW UP TO 3 ENTRIES. ALLOW 'MORE THAN 3 KINDS (CODE 66) ONLY AS 4TH ENTRY.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10 | Bladder | 0 | 0 |  |
| 11 | Blood | 0 | 0 |  |
| 12 | Bone | 0 | 0 |  |
| 13 | Brain | 0 | 0 |  |
| 14 | Breast | 1 | 1 |  |
| 15 | Cervix (cervical) | 0 | 1 |  |
| 16 | Colon | 1 | 2 |  |
| 17 | Esophagus (esophageal) | 0 | 2 |  |
| 18 | Gallbladder | 0 | 2 |  |
| 19 | Kidney | 0 | 2 |  |
| 20 | Larynx/ windpipe | 0 | 2 |  |
| 21 | Leukemia | 0 | 2 |  |
| 22 | Liver | 0 | 2 |  |
| 23 | Lung | 1 | 3 |  |
| 24 | Lymphoma/ Hodgkins disease | 0 | 3 |  |
| 25 | Melanoma | 0 | 3 |  |
| 26 | Mouth/tongue/lip | 0 | 3 |  |
| 27 | Nervous system | 0 | 3 |  |
| 28 | Ovary (ovarian) | 0 | 3 |  |
| 29 | Pancreas (pancreatic) | 0 | 3 |  |
| 30 | Prostate | 1 | 4 |  |
| 31 | Rectum (rectal) | 0 | 4 |  |
| 32 | Skin (non-melanoma) | 0 | 4 |  |
| 33 | Skin (don't know what kind) | 0 | 4 |  |
| 34 | Soft tissue (muscle or fat) | 0 | 4 |  |
| 35 | Stomach | 0 | 4 |  |
| 36 | Testis (testicular) | 0 | 4 |  |
| 37 | Thyroid | 0 | 4 |  |
| 38 | Uterus (uterine) | 0 | 4 |  |
| 39 | Other | 0 | 4 |  |
| 66 | More than 3 kinds | 0 | 4 |  |
| 77 | Refused | 0 | 4 |  |
| 99 | Don't know | 0 | 4 |  |
| . | Missing | 9766 | 9770 |  |

### MCQ230d - What kind of cancer

Variable Name:

MCQ230d

SAS Label:

What kind of cancer

English Text:

What kind of cancer was it?

English Instructions:

ENTER UP TO 3 KINDS. IF RESPONDENT OFFERS MORE THAN 3, ENTER 66 AS THE 4TH RESPONSE. CAPI INSTRUCTIONS: ALLOW UP TO 3 ENTRIES. ALLOW 'MORE THAN 3 KINDS (CODE 66) ONLY AS 4TH ENTRY.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10 | Bladder | 0 | 0 |  |
| 11 | Blood | 0 | 0 |  |
| 12 | Bone | 0 | 0 |  |
| 13 | Brain | 0 | 0 |  |
| 14 | Breast | 0 | 0 |  |
| 15 | Cervix (cervical) | 0 | 0 |  |
| 16 | Colon | 0 | 0 |  |
| 17 | Esophagus (esophageal) | 0 | 0 |  |
| 18 | Gallbladder | 0 | 0 |  |
| 19 | Kidney | 0 | 0 |  |
| 20 | Larynx/ windpipe | 0 | 0 |  |
| 21 | Leukemia | 0 | 0 |  |
| 22 | Liver | 0 | 0 |  |
| 23 | Lung | 0 | 0 |  |
| 24 | Lymphoma/ Hodgkins disease | 0 | 0 |  |
| 25 | Melanoma | 0 | 0 |  |
| 26 | Mouth/tongue/lip | 0 | 0 |  |
| 27 | Nervous system | 0 | 0 |  |
| 28 | Ovary (ovarian) | 0 | 0 |  |
| 29 | Pancreas (pancreatic) | 0 | 0 |  |
| 30 | Prostate | 0 | 0 |  |
| 31 | Rectum (rectal) | 0 | 0 |  |
| 32 | Skin (non-melanoma) | 0 | 0 |  |
| 33 | Skin (don't know what kind) | 0 | 0 |  |
| 34 | Soft tissue (muscle or fat) | 0 | 0 |  |
| 35 | Stomach | 0 | 0 |  |
| 36 | Testis (testicular) | 0 | 0 |  |
| 37 | Thyroid | 0 | 0 |  |
| 38 | Uterus (uterine) | 0 | 0 |  |
| 39 | Other | 0 | 0 |  |
| 66 | More than 3 kinds | 2 | 2 |  |
| 77 | Refused | 0 | 2 |  |
| 99 | Don't know | 0 | 2 |  |
| . | Missing | 9768 | 9770 |  |

### MCQ240a - Age when bladder cancer first diagnosed

Variable Name:

MCQ240a

SAS Label:

Age when bladder cancer first diagnosed

English Text:

How old (were you/was SP) when bladder cancer was first diagnosed?

English Instructions:

CAPI INSTRUCTIONS: DISPLAY TYPE OF CANCER (CODE 10-39) ENTERED IN MCQ.230. DISPLAY "CANCER " IF DON'T KNOW ENTERED IN MCQ.230. ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 50 to 75 | Range of Values | 8 | 8 |  |
| 80 | 80 years or older | 3 | 11 |  |
| 77777 | Refused | 0 | 11 |  |
| 99999 | Don't know | 0 | 11 |  |
| . | Missing | 9759 | 9770 |  |

### MCQ240aa - Age testicular cancer first diagnosed

Variable Name:

MCQ240aa

SAS Label:

Age testicular cancer first diagnosed

English Text:

How old (were you/was SP) when testicular cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Males only 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 22 to 32 | Range of Values | 3 | 3 |  |
| 80 | 80 years or older | 0 | 3 |  |
| 77777 | Refused | 0 | 3 |  |
| 99999 | Don't know | 0 | 3 |  |
| . | Missing | 9767 | 9770 |  |

### MCQ240b - Age when blood cancer first diagnosed

Variable Name:

MCQ240b

SAS Label:

Age when blood cancer first diagnosed

English Text:

How old {were you/was SP} when blood cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 10 to 63 | Range of Values | 4 | 4 |  |
| 80 | 80 years or older | 0 | 4 |  |
| 77777 | Refused | 0 | 4 |  |
| 99999 | Don't know | 0 | 4 |  |
| . | Missing | 9766 | 9770 |  |

### MCQ240bb - Age when thyroid cancer first diagnosed

Variable Name:

MCQ240bb

SAS Label:

Age when thyroid cancer first diagnosed

English Text:

How old (were you/was SP) when thyroid cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 25 to 66 | Range of Values | 12 | 12 |  |
| 80 | 80 years or older | 0 | 12 |  |
| 77777 | Refused | 0 | 12 |  |
| 99999 | Don't know | 0 | 12 |  |
| . | Missing | 9758 | 9770 |  |

### MCQ240c - Age when bone cancer first diagnosed

Variable Name:

MCQ240c

SAS Label:

Age when bone cancer first diagnosed

English Text:

How old (were you/was SP) when bone cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 58 to 59 | Range of Values | 2 | 2 |  |
| 80 | 80 years or older | 0 | 2 |  |
| 77777 | Refused | 0 | 2 |  |
| 99999 | Don't know | 0 | 2 |  |
| . | Missing | 9768 | 9770 |  |

### MCQ240cc - Age when uterine cancer first diagnosed

Variable Name:

MCQ240cc

SAS Label:

Age when uterine cancer first diagnosed

English Text:

How old (were you/was SP) when uterine cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Females only 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 14 to 67 | Range of Values | 18 | 18 |  |
| 80 | 80 years or older | 0 | 18 |  |
| 77777 | Refused | 0 | 18 |  |
| 99999 | Don't know | 0 | 18 |  |
| . | Missing | 9752 | 9770 |  |

### MCQ240d - Age when brain cancer first diagnosed

Variable Name:

MCQ240d

SAS Label:

Age when brain cancer first diagnosed

English Text:

How old (were you/was SP) when brain cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 25 to 73 | Range of Values | 3 | 3 |  |
| 80 | 80 years or older | 0 | 3 |  |
| 77777 | Refused | 0 | 3 |  |
| 99999 | Don't know | 0 | 3 |  |
| . | Missing | 9767 | 9770 |  |

### MCQ240dd - Age other type of cancer first diagnosed

Variable Name:

MCQ240dd

SAS Label:

Age other type of cancer first diagnosed

English Text:

How old (were you/was SP) when some other type of cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 4 to 76 | Range of Values | 29 | 29 |  |
| 80 | 80 years or older | 4 | 33 |  |
| 77777 | Refused | 0 | 33 |  |
| 99999 | Don't know | 0 | 33 |  |
| . | Missing | 9737 | 9770 |  |

### MCQ240dk - How old when cancer first diagnosed?

Variable Name:

MCQ240dk

SAS Label:

How old when cancer first diagnosed?

English Text:

How old {were you/was SP} when cancer was first diagnosed?

English Instructions:

DISPLAY "CANCER" IF DON'T KNOW ENTERED IN MCQ230. ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 28 to 47 | Range of Values | 4 | 4 |  |
| 80 | 80 years or older | 0 | 4 |  |
| 777 | Refused | 0 | 4 |  |
| 999 | Don't know | 0 | 4 |  |
| . | Missing | 9766 | 9770 |  |

### MCQ240e - Age when breast cancer first diagnosed

Variable Name:

MCQ240e

SAS Label:

Age when breast cancer first diagnosed

English Text:

How old (were you/was SP) when breast cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 14 to 79 | Range of Values | 97 | 97 |  |
| 80 | 80 years or older | 2 | 99 |  |
| 77777 | Refused | 0 | 99 |  |
| 99999 | Don't know | 2 | 101 |  |
| . | Missing | 9669 | 9770 |  |

### MCQ240f - Age when cervical cancer first diagnosed

Variable Name:

MCQ240f

SAS Label:

Age when cervical cancer first diagnosed

English Text:

How old (were you/was SP) when cervical cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Females only 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 15 to 65 | Range of Values | 37 | 37 |  |
| 80 | 80 years or older | 0 | 37 |  |
| 77777 | Refused | 0 | 37 |  |
| 99999 | Don't know | 0 | 37 |  |
| . | Missing | 9733 | 9770 |  |

### MCQ240g - Age when colon cancer first diagnosed

Variable Name:

MCQ240g

SAS Label:

Age when colon cancer first diagnosed

English Text:

How old (were you/was SP) when colon cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 25 to 76 | Range of Values | 27 | 27 |  |
| 80 | 80 years or older | 1 | 28 |  |
| 77777 | Refused | 0 | 28 |  |
| 99999 | Don't know | 0 | 28 |  |
| . | Missing | 9742 | 9770 |  |

### MCQ240h - Age esophageal cancer first diagnosed

Variable Name:

MCQ240h

SAS Label:

Age esophageal cancer first diagnosed

English Text:

How old (were you/was SP) when esophageal cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 54 to 56 | Range of Values | 2 | 2 |  |
| 80 | 80 years or older | 0 | 2 |  |
| 77777 | Refused | 0 | 2 |  |
| 99999 | Don't know | 0 | 2 |  |
| . | Missing | 9768 | 9770 |  |

### MCQ240i - Age gallbladder cancer first diagnosed

Variable Name:

MCQ240i

SAS Label:

Age gallbladder cancer first diagnosed

English Text:

How old (were you/was SP) when gallbladder cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 80 | 80 years or older | 0 | 0 |  |
| 77777 | Refused | 0 | 0 |  |
| 99999 | Don't know | 0 | 0 |  |
| . | Missing | 9770 | 9770 |  |

### MCQ240j - Age when kidney cancer first diagnosed

Variable Name:

MCQ240j

SAS Label:

Age when kidney cancer first diagnosed

English Text:

How old (were you/was SP) when kidney cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 36 to 74 | Range of Values | 11 | 11 |  |
| 80 | 80 years or older | 1 | 12 |  |
| 77777 | Refused | 0 | 12 |  |
| 99999 | Don't know | 0 | 12 |  |
| . | Missing | 9758 | 9770 |  |

### MCQ240k - Age larynx/windpipe cancer diagnosed

Variable Name:

MCQ240k

SAS Label:

Age larynx/windpipe cancer diagnosed

English Text:

How old (were you/was SP) when larynx or windpipe cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 51 to 69 | Range of Values | 4 | 4 |  |
| 80 | 80 years or older | 0 | 4 |  |
| 77777 | Refused | 0 | 4 |  |
| 99999 | Don't know | 0 | 4 |  |
| . | Missing | 9766 | 9770 |  |

### MCQ240l - Age when leukemia first diagnosed

Variable Name:

MCQ240l

SAS Label:

Age when leukemia first diagnosed

English Text:

How old (were you/was SP) when leukemia was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 9 to 75 | Range of Values | 5 | 5 |  |
| 80 | 80 years or older | 0 | 5 |  |
| 77777 | Refused | 0 | 5 |  |
| 99999 | Don't know | 0 | 5 |  |
| . | Missing | 9765 | 9770 |  |

### MCQ240m - Age when liver cancer first diagnosed

Variable Name:

MCQ240m

SAS Label:

Age when liver cancer first diagnosed

English Text:

How old (were you/was SP) when liver cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 45 to 70 | Range of Values | 5 | 5 |  |
| 80 | 80 years or older | 0 | 5 |  |
| 77777 | Refused | 0 | 5 |  |
| 99999 | Don't know | 0 | 5 |  |
| . | Missing | 9765 | 9770 |  |

### MCQ240n - Age when lung cancer first diagnosed

Variable Name:

MCQ240n

SAS Label:

Age when lung cancer first diagnosed

English Text:

How old (were you/was SP) when lung cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 29 to 79 | Range of Values | 20 | 20 |  |
| 80 | 80 years or older | 1 | 21 |  |
| 77777 | Refused | 0 | 21 |  |
| 99999 | Don't know | 0 | 21 |  |
| . | Missing | 9749 | 9770 |  |

### MCQ240o - Age lymphoma/Hodgkins' diagnosed

Variable Name:

MCQ240o

SAS Label:

Age lymphoma/Hodgkins' diagnosed

English Text:

How old (were you/was SP) when lymphoma or Hodgkins' Disease was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 25 to 79 | Range of Values | 11 | 11 |  |
| 80 | 80 years or older | 0 | 11 |  |
| 77777 | Refused | 0 | 11 |  |
| 99999 | Don't know | 0 | 11 |  |
| . | Missing | 9759 | 9770 |  |

### MCQ240p - Age when melanoma first diagnosed

Variable Name:

MCQ240p

SAS Label:

Age when melanoma first diagnosed

English Text:

How old (were you/was SP) when melanoma was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 18 to 77 | Range of Values | 41 | 41 |  |
| 80 | 80 years or older | 1 | 42 |  |
| 77777 | Refused | 0 | 42 |  |
| 99999 | Don't know | 0 | 42 |  |
| . | Missing | 9728 | 9770 |  |

### MCQ240q - Age mouth\tongue\lip cancer diagnosed

Variable Name:

MCQ240q

SAS Label:

Age mouth\tongue\lip cancer diagnosed

English Text:

How old (were you/was SP) when mouth, tongue, or lip cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 41 to 50 | Range of Values | 4 | 4 |  |
| 80 | 80 years or older | 0 | 4 |  |
| 77777 | Refused | 0 | 4 |  |
| 99999 | Don't know | 0 | 4 |  |
| . | Missing | 9766 | 9770 |  |

### MCQ240r - Age nervous system cancer diagnosed

Variable Name:

MCQ240r

SAS Label:

Age nervous system cancer diagnosed

English Text:

How old (were you/was SP) when cancer of the nervous system was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 80 | 80 years or older | 0 | 0 |  |
| 77777 | Refused | 0 | 0 |  |
| 99999 | Don't know | 0 | 0 |  |
| . | Missing | 9770 | 9770 |  |

### MCQ240s - Age when ovarian cancer first diagnosed

Variable Name:

MCQ240s

SAS Label:

Age when ovarian cancer first diagnosed

English Text:

How old (were you/was SP) when ovarian cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Females only 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 16 to 70 | Range of Values | 10 | 10 |  |
| 80 | 80 years or older | 0 | 10 |  |
| 77777 | Refused | 0 | 10 |  |
| 99999 | Don't know | 0 | 10 |  |
| . | Missing | 9760 | 9770 |  |

### MCQ240t - Age pancreatic cancer first diagnosed

Variable Name:

MCQ240t

SAS Label:

Age pancreatic cancer first diagnosed

English Text:

How old (were you/was SP) when pancreatic cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 48 to 63 | Range of Values | 3 | 3 |  |
| 80 | 80 years or older | 0 | 3 |  |
| 77777 | Refused | 0 | 3 |  |
| 99999 | Don't know | 0 | 3 |  |
| . | Missing | 9767 | 9770 |  |

### MCQ240u - Age prostate cancer first diagnosed

Variable Name:

MCQ240u

SAS Label:

Age prostate cancer first diagnosed

English Text:

How old (were you/was SP) when prostate cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Males only 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 49 to 79 | Range of Values | 67 | 67 |  |
| 80 | 80 years or older | 1 | 68 |  |
| 77777 | Refused | 0 | 68 |  |
| 99999 | Don't know | 0 | 68 |  |
| . | Missing | 9702 | 9770 |  |

### MCQ240v - Age when rectal cancer first diagnosed

Variable Name:

MCQ240v

SAS Label:

Age when rectal cancer first diagnosed

English Text:

How old (were you/was SP) when rectal cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 51 | 51 | 1 | 1 |  |
| 80 | 80 years or older | 0 | 1 |  |
| 77777 | Refused | 0 | 1 |  |
| 99999 | Don't know | 0 | 1 |  |
| . | Missing | 9769 | 9770 |  |

### MCQ240w - Age non-melanoma skin cancer diagnosed

Variable Name:

MCQ240w

SAS Label:

Age non-melanoma skin cancer diagnosed

English Text:

How old (were you/was SP) when non-melanoma skin cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 7 to 79 | Range of Values | 98 | 98 |  |
| 80 | 80 years or older | 7 | 105 |  |
| 77777 | Refused | 0 | 105 |  |
| 99999 | Don't know | 0 | 105 |  |
| . | Missing | 9665 | 9770 |  |

### MCQ240x - Age unknown skin cancer first diagnosed

Variable Name:

MCQ240x

SAS Label:

Age unknown skin cancer first diagnosed

English Text:

How old (were you/was SP) when the unknown kind of skin cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 18 to 79 | Range of Values | 52 | 52 |  |
| 80 | 80 years or older | 5 | 57 |  |
| 77777 | Refused | 0 | 57 |  |
| 99999 | Don't know | 0 | 57 |  |
| . | Missing | 9713 | 9770 |  |

### MCQ240y - Age soft tissue cancer first diagnosed

Variable Name:

MCQ240y

SAS Label:

Age soft tissue cancer first diagnosed

English Text:

How old (were you/was SP) when soft tissue (muscle or fat) cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 20 to 55 | Range of Values | 3 | 3 |  |
| 80 | 80 years or older | 0 | 3 |  |
| 77777 | Refused | 0 | 3 |  |
| 99999 | Don't know | 0 | 3 |  |
| . | Missing | 9767 | 9770 |  |

### MCQ240z - Age stomach cancer first diagnosed

Variable Name:

MCQ240z

SAS Label:

Age stomach cancer first diagnosed

English Text:

How old (were you/was SP) when stomach cancer was first diagnosed?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 45 to 73 | Range of Values | 3 | 3 |  |
| 80 | 80 years or older | 0 | 3 |  |
| 77777 | Refused | 0 | 3 |  |
| 99999 | Don't know | 0 | 3 |  |
| . | Missing | 9767 | 9770 |  |

### MCQ300a - Close relative had heart attack?

Variable Name:

MCQ300a

SAS Label:

Close relative had heart attack?

English Text:

Including living and deceased, were any of {SP's/your} close biological that is, blood relatives including father, mother, sisters or brothers, ever told by a health professional that they had a heart attack or angina (an-gi-na) before the age of 50?

English Instructions:

CAPI INSTRUCTION: TEXT OF QUESTION SHOULD BE OPTIONAL, ' [ ] 'S, AFTER FIRST TIME.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 622 | 622 |  |
| 2 | No | 5003 | 5625 |  |
| 7 | Refused | 0 | 5625 |  |
| 9 | Don't know | 144 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ300b - Close relative had asthma?

Variable Name:

MCQ300b

SAS Label:

Close relative had asthma?

English Text:

Including living and deceased, were any of {SP's/your} close biological that is, blood relatives including father, mother, sisters or brothers, ever told by a health professional that they had asthma (az-ma)?

English Instructions:

CAPI INSTRUCTION: TEXT OF QUESTION SHOULD BE OPTIONAL SHOULD BE OPTIONAL, ' [ } ' S, AFTER FIRST TIME. CAPI INSTRUCTION: IF SP AGE 6-19, DISPLAY: Including living and deceased, were any of {SP's/your} close biological that is, blood relatives including father, mother, sisters or brothers, ever told by a health professional that they had . . .

Target:

Both males and females 6 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 2050 | 2050 |  |
| 2 | No | 6361 | 8411 |  |
| 7 | Refused | 3 | 8414 |  |
| 9 | Don't know | 158 | 8572 |  |
| . | Missing | 1198 | 9770 |  |

### MCQ300c - Close relative had diabetes?

Variable Name:

MCQ300c

SAS Label:

Close relative had diabetes?

English Text:

Including living and deceased, were any of {SP's/your} close biological that is, blood relatives including father, mother, sisters or brothers, ever told by a health professional that they had diabetes?

English Instructions:

CAPI INSTRUCTION: TEXT QUESTION SHOULD BE OPTIONAL, ' [ ] 'S, AFTER FIRST TIME.

Target:

Both males and females 20 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 2301 | 2301 |  |
| 2 | No | 3351 | 5652 |  |
| 7 | Refused | 0 | 5652 |  |
| 9 | Don't know | 117 | 5769 |  |
| . | Missing | 4001 | 9770 |  |

### MCQ365a - Doctor told you to lose weight

Variable Name:

MCQ365a

SAS Label:

Doctor told you to lose weight

English Text:

To lower {your/SP's} risk for certain diseases, during the past 12 months {have you/has s/he} ever been told by a doctor or health professional to: control {your/his/her} weight or lose weight?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1682 | 1682 |  |
| 2 | No | 4781 | 6463 |  |
| 7 | Refused | 0 | 6463 |  |
| 9 | Don't know | 1 | 6464 |  |
| . | Missing | 3306 | 9770 |  |

### MCQ365b - Doctor told you to exercise

Variable Name:

MCQ365b

SAS Label:

Doctor told you to exercise

English Text:

To lower {your/SP's} risk for certain diseases, during the past 12 months {have you/has s/he} ever been told by a doctor or health professional to: increase {your/his/her} physical activity or exercise?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 2244 | 2244 |  |
| 2 | No | 4220 | 6464 |  |
| 7 | Refused | 0 | 6464 |  |
| 9 | Don't know | 0 | 6464 |  |
| . | Missing | 3306 | 9770 |  |

### MCQ365c - Doctor told you to reduce salt in diet

Variable Name:

MCQ365c

SAS Label:

Doctor told you to reduce salt in diet

English Text:

To lower {your/SP's} risk for certain diseases, during the past 12 months {have you/has s/he} ever been told by a doctor or health professional to: reduce the amount of sodium or salt in {your/his/her} diet?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1543 | 1543 |  |
| 2 | No | 4913 | 6456 |  |
| 7 | Refused | 0 | 6456 |  |
| 9 | Don't know | 8 | 6464 |  |
| . | Missing | 3306 | 9770 |  |

### MCQ365d - Doctor told you to reduce fat/calories

Variable Name:

MCQ365d

SAS Label:

Doctor told you to reduce fat/calories

English Text:

To lower {your/SP's} risk for certain diseases, during the past 12 months {have you/has s/he} ever been told by a doctor or health professional to: reduce the amount of fat or calories in {your/his/her} diet?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1746 | 1746 |  |
| 2 | No | 4713 | 6459 |  |
| 7 | Refused | 0 | 6459 |  |
| 9 | Don't know | 5 | 6464 |  |
| . | Missing | 3306 | 9770 |  |

### MCQ370a - Are you now controlling or losing weight

Variable Name:

MCQ370a

SAS Label:

Are you now controlling or losing weight

English Text:

To lower {your/his/her} risk for certain diseases, {are you/is s/he} now doing any of the following: controlling {your/his/her} weight or losing weight?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 3923 | 3923 |  |
| 2 | No | 2537 | 6460 |  |
| 7 | Refused | 1 | 6461 |  |
| 9 | Don't know | 3 | 6464 |  |
| . | Missing | 3306 | 9770 |  |

### MCQ370b - Are you now increasing exercise

Variable Name:

MCQ370b

SAS Label:

Are you now increasing exercise

English Text:

To lower {your/his/her} risk for certain diseases, {are you/is s/he} now doing any of the following: increasing {your/his/her} physical activity or exercise?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 3816 | 3816 |  |
| 2 | No | 2647 | 6463 |  |
| 7 | Refused | 1 | 6464 |  |
| 9 | Don't know | 0 | 6464 |  |
| . | Missing | 3306 | 9770 |  |

### MCQ370c - Are you now reducing salt in diet

Variable Name:

MCQ370c

SAS Label:

Are you now reducing salt in diet

English Text:

To lower {your/his/her} risk for certain diseases, {are you/is s/he} now doing any of the following: reducing the amount of sodium or salt in {your/his/her} diet?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 3198 | 3198 |  |
| 2 | No | 3264 | 6462 |  |
| 7 | Refused | 1 | 6463 |  |
| 9 | Don't know | 1 | 6464 |  |
| . | Missing | 3306 | 9770 |  |

### MCQ370d - Are you now reducing fat in diet

Variable Name:

MCQ370d

SAS Label:

Are you now reducing fat in diet

English Text:

To lower {your/his/her} risk for certain diseases, {are you/is s/he} now doing any of the following: reducing the amount of fat or calories in {your/his/her} diet?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 3454 | 3454 |  |
| 2 | No | 3006 | 6460 |  |
| 7 | Refused | 1 | 6461 |  |
| 9 | Don't know | 3 | 6464 |  |
| . | Missing | 3306 | 9770 |  |

### MCQ380 - Past 7 days, had trouble remembering

Variable Name:

MCQ380

SAS Label:

Past 7 days, had trouble remembering

English Text:

During the past 7 days, how often{have you/has SP} had trouble remembering where {you/he/she} put things, like {your/his/her} keys or {your/his/her} wallet? Would you say...

Target:

Both males and females 60 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 | Never | 981 | 981 |  |
| 1 | About once | 445 | 1426 |  |
| 2 | Two or three times | 279 | 1705 |  |
| 3 | Nearly every day | 84 | 1789 |  |
| 4 | Several times a day | 47 | 1836 |  |
| 7 | Refused | 0 | 1836 |  |
| 9 | Don't know | 4 | 1840 |  |
| . | Missing | 7930 | 9770 |  |

**Prescription Medications**

### Prescription Medications (RXQ\_RX\_H)

#### Data File: RXQ\_RX\_H.xpt

##### First Published: December 2016

##### Last Revised: NA

## Component Description

The Dietary Supplement and Prescription Medication section of the Sample Person (SP) Questionnaire collects information on: 1) dietary supplements, 2) nonprescription antacids, 3) prescription medications, and 4) preventive aspirin use.

The Prescription Medications subsection provides personal interview data on use of prescription medications during a one-month period prior to the participant’s interview date. The NHANES 2013–2014 prescription medication questions are similar to the NHANES 1999–2012 and NHANES III (1988–1994) prescription medication questions.

## Eligible Sample

All survey participants are eligible for the prescription medications questions.

## Interview Setting and Mode of Administration

The Prescription Medications subsection was asked, in the home, by trained interviewers using the Computer-Assisted Personal Interview (CAPI) system. Participants over 16 years of age answered for themselves; a proxy provided information for survey participants who were under 16 years of age and for those who could not answer themselves.

The Interviewer Procedure Manuals and Survey Questionnaires can be found on the NHANES website at: <https://wwwn.cdc.gov/nchs/data/nhanes/2013-2014/questionnaires/dsq_h.pdf>.

## Quality Assurance & Quality Control

Data were routinely examined for discrepancies and erroneous entries. All drug names entered by the interviewer were compared to the medication names selected from the database. Review of the 2013–2014 data found that 96% of all reported drugs were automatically matched to the data collection drug database. This included 81% exact matches, and 15% similar matches. All similar matched drug names were reviewed and edited if selected drug names from the database were incorrect. The 4%, which were not matched to the drug database, were edited after data collection at NCHS. The most common reasons for a non-match were incorrect spelling of the drug, insufficient detail to identify the drug, or reporting of a nonprescription product that was not in the drug database.

Beginning the 2013–2014, a list of possible reasons for use assigned to each drug was incorporated into the computer to assist data collection. Review of the 2013–2014 data found that 88% of all reported reasons were selected from the list. The 12%, which were entered in the reason filed, were edited after data collection at NCHS.

## Data Processing and Editing

**Data Collection Methods**

During the household SP interview, survey participants are asked if they have taken medications in the past 30 days for which they needed a prescription. Those who answer “yes” are asked to show the interviewer the medication containers of all the products used. For each medication reported, the interviewer enters the product’s complete name from the container into a computer. If no container is available, the interviewer asks the participant to verbally report the name of the medication.

When the interviewer enters the medication name into the computer, the name is automatically matched to a prescription drug database on the computer to identify an exact match or similar text matches (refer below for details on the prescription medication database). The interviewer then selects the best match from a drug list of possible matches. The original product entered by the interviewer and the product selected from the computer drug list are saved as separate variables for quality control purposes. If an exact or similar match of the medication cannot be found, the interviewer is instructed to select “drug not found on list.”

Participants are also asked how long they had been taking the medication and the main reason for use. A list of possible reasons (indications of medication use and possible off-label use) pre-assigned to each selected drug is displayed on the computer. The interviewer is instructed to select up to 3 reasons from the reason list which are matching to the main reason described by the participant. If an appropriate matched reason cannot be found, the interviewer is instructed to enter the main reason as described by the participant.

The NHANES 2013–2014 prescription medications questions can be accessed in the Dietary Supplements and Prescription Medications section of the SP Questionnaire <https://wwwn.cdc.gov/nchs/data/nhanes/2013-2014/questionnaires/dsq_h.pdf>.

**Prescription Medication Questions Included in this Data Release**

* Was any prescription medication taken in the past 30 days?
* Medication name
* Was medication container seen by interviewer?
* How long was medication taken?
* What is the main reason for which you use medication?
* Number of prescription medications taken?

**Prescription Medication Database for Data Collection**

NCHS used the Lexicon Plus®, a proprietary database of Cerner Multum, Inc. to assist in data collection. The Lexicon Plus® is a comprehensive database of all prescription and some nonprescription drug products available in the U.S. drug market. For NHANES, the Lexicon Plus® files were modified and uploaded to a laptop computer and incorporated into a search engine for use by interviewers in the field. The computer file is updated at the beginning of each survey year to incorporate changes to the Lexicon Plus® and include products approved and available to the U.S. public in the prior year.

**Data Editing**

**General editing of data:**

When a variable was modified globally, as part of the editing process, the third letter in the variable name was changed from a Q (i.e., RXQ) to a D (i.e., RXD). For example, variables that were obtained from an external drug database will have the letter “D” in the third position of the variable name.

**Prescription medications incorrectly reported in other subsections of questionnaire:**

**Prescription antacids** that were incorrectly reported in the nonprescription antacid section of the questionnaire were removed from the antacid file and added to the prescription medication file.

**Prescription supplements** are released in the Dietary Supplements Data File. Some prescription medications were mistakenly recorded in the dietary supplement section. These were removed from that file and added to the prescription medication file. Any prescription dietary supplement that was incorrectly reported in the prescription medication section was removed from the prescription medication section and moved to the dietary supplement section. The following products were moved to the dietary supplements files:

* All calcium products except calcium acetate
* All fluoride products except those in topical gel or cream forms (e.g., stannous fluoride)
* All vitamins except the injection form of vitamins
* Over-the-counter niacin, niacinamide, nicotinic acid, and fish oil

All prescription niacin, fish oil, potassium, and sodium products were retained in the prescription medication file.

Products reported in the prescription medication section that were only available as an **over-the-counter product** during 2013–2014 were removed from the prescription medication file, except over-the-counter insulin, and products containing pseudoephedrine.

**Specific variables and edits:**

**RXDUSE:** Have you taken or used any prescription medicines in the past month?

This variable was the lead-in question to the series of questions on prescription medication use. It accounts for all prescription medications except prescription dietary supplements which are included in the dietary supplement files (DSQ). A small number of persons refused to answer this question (coded 7) or did not know whether they used a prescription medication in the past month (coded 9).

This variable was edited and takes into account prescription medications reported in this section as well as prescription medications moved into this file from the dietary supplements or nonprescription antacids sections of the questionnaire.

**RXDCOUNT:** The number of prescription medicines taken?

This variable was computed at NCHS and represents the total number of prescription medications reported by the participant, including those drugs identified as unknown (RXDDRUG = 55555). The count has been adjusted for all prescription medications moved into and those moved out of the prescription medication section. However, the count is not a comprehensive count of all prescription medications used by a participant because prescription dietary supplements are part of the dietary supplement section. There were also participants who reported the use of a prescription medication in the past month (RXDUSE = 1) but did not know the name of the medication (RXDDRUG = 99999) or refused to report the name of the medication (RXDDRUG = 77777). Each product reported as “refused” or “don’t know” is still included in the total count of prescription medications used under RXDCOUNT.

**RXQSEEN:** Medicine container seen by interviewer?

There was no editing of this variable. However a third response category (3=Only pharmacy print out seen) was added beginning in the 2013–2014 data collection.

**RXDDAYS:** For how long have you been taking this medicine?

This variable was created from a two-part (number and unit) question and indicates how long the participant reported taking each prescription medication. Responses were recorded in days, weeks, months, and years. To facilitate analysis, all answers were converted to days using conversion factors of 7 days per week, 30.4 days per month, and 365 days per year. There were persons who reported the use of a prescription medication but did not know how long they had been using the medication (RXDDAYS = 99999) or refused to report the length of use (RXDDAYS = 77777). There were also persons who reported the use of a prescription medication but did not report the length of use. RXDDAYS is missing for those persons.

**Drug Database for Data Release:**

NCHS used the Lexicon Plus®, a proprietary database of Cerner Multum, Inc. to assist with data editing and release. The December 2014 Multum Lexicon database was used for creating the RXQ\_RX\_H data release file. For additional information, refer to the RXQ\_DRUG documentation.

In accordance with the license agreement, NCHS publications, tabulations, and software applications should cite the Multum Lexicon as the source and basis for the coding and classification of the NHANES drCreation of additional data release variables:

**Creation of additional data release variables:**

**RXDDRUG:** Generic drug name

All reported drug names were converted to a standard generic drug name for data release. For multi-ingredient products, the ingredients are listed in alphabetical order (i.e., Acetaminophen; Codeine).

There were participants who reported the use of a prescription medication but did not know the name of the drug or refused to report the name. These entries were coded as don’t know (99999) and refused (77777), respectively. There were also medications reported with insufficient detail to accurately identify the exact product, but there was some information about the therapeutic class of the drug. These products have been released with Multum’s therapeutic category name followed by “- unspecified” (e.g., anti-infective - unspecified; hormones/hormone modifiers - unspecified). The names of a limited number of reported drugs could not be identified by NCHS as a known prescription product. These entries are counted as prescription medications, since there is no evidence that they are not, and have been coded as 55555, unknown drug.

**RXDDRGID:** Generic drug code

Each generic drug name is associated with a unique generic drug code from Multum’s Lexicon Drug Database. Multum's generic drug code is always beginning with a "d". There were some drug names reported by NHANES’ participants that were not found in the Lexicon Drug Database. These have been assigned unique drug codes beginning with an “a” or “h”. Unspecified products with known therapeutic action have drug codes beginning with a “c” and are followed by their respective Multum therapeutic category code. RXDDRGID is missing for unknown drugs (55555), refused (77777), or don’t know (99999) RXDDRUG entries.

Therapeutic class codes associated with a drug are found in a separate data release file, RXQ\_DRUG.

**International Classification of Disease, Tenth Revision, Clinical Modification (ICD-10-CM) Code for Data release**

To facilitate data analysis, NCHS used ICD-10-CM codes to classify the health problems participants reported as the main reason for taking the prescription medication. Thus, the associated ICD-10-CM codes are based on participant reported reason and not directly reported by a doctor or other health professional or by a review of the medical record. Specifically, 2016 ICD-10-CM codes from ICD-10 data (<http://www.icd10data.com/ICD10CM/Codes>) were used to assign up to a maximum of 3 codes. ICD-10 diagnosis codes have between 3 and 7 characters. In general, the self-reported health problems were coded to the fourth digit ICD-10-CM level of specificity. However, in some cases only the first three digits as the heading of a category of codes was used, and in other cases the six digits ICD-10-CM level of specificity was used. See the Appendix for a list of ICD-10-CM codes and description assigned to reasons for use reported by NHANES participants.

**Reason for use (as reported by participant) data release variables:**

**RXDRSC1-- RXDRSC3:** ICD-10-CM code

The participants’ reported reasons were converted to an ICD-10-CM code for data release. Up to a maximum of 3 ICD-10-CM codes were used if multiple reasons were reported for a specific medication use. When reported reason was for disease prevention, an appropriate ICD-10-CM code followed by a letter "P" was used. (e.g., A49.9P Prevent bacterial infection; D75.9P Prevent blood clots). When reported reason was not specifically enough to be assigned an ICD-10-CM code for the subtype of disease, an ICD-10-CM code for a most common subtype of disease was used. (e.g., B19.1 for hepatitis B; E11 for diabetes; E78.0 for high cholesterol). When reported reason did not indicate a single episode or recurrent, an ICD-10-CM code for a single episode was used (e.g., F32.9 for depression). When reported reason was a symptom due to an underline disease, a disease code was used (e.g., fluid retention due to heart problem coded as I51.9 Heart disease, unspecified; fluid retention due to liver problem coded as K76.9 Liver disease, unspecified).

There were participants who reported the use of a prescription medication but did not know why to take it or refused to report the reason for use. These were coded as 99999, don’t know, and 77777, refused, respectively. There were a number of reported reasons could not be converted to an appropriate ICD-10-CM code. These entries have been coded as 55555, unknown. A few rare diseases were also coded as 55555, unknown.

**RXDRSD1-- RXDRSD3:** ICD-10-CM code description

Each ICD-10-CM code is associated with a description (diseases, symptoms, health status, and so on). RXDRSD1 is missing for unknown reasons (55555), refused (77777), or don’t know (99999) RXDRSC1 entries.

There are two files related to the prescription drug data. The contents of each file are described below. The files can be linked by the variable RXDDRGID.

The file named RXQ\_RX\_H contains data on all survey participants and their use of a prescription drug. Participants who reported the use of multiple prescription drugs will have multiple records, that is, a record for each drug.

The file named RXQ\_DRUG contains therapeutic drug class information on all drugs reported by NHANES participants from 1988–1994 through 2013–2014. It contains drug (up to 4) and ingredient (up to 6) therapeutic category codes for each drug. It also has a variable that identifies if the drug is made up of a single or multiple ingredients.

**RXQ\_RX\_H: Participant’s Use of Prescription Drug(s)**

| Variable Name | Label |
| --- | --- |
| SEQN | Respondent sequence number |
| RXDUSE | Taken prescription medicine, past month |
| RXDDRUG | Generic drug name |
| RXDDRGID | Generic drug code |
| RXQSEEN | Medicine container seen by interviewer |
| RXDDAYS | Number of days taken medicine |
| RXDRSC1 | ICD-10-CM code 1 |
| RXDRSC2 | ICD-10-CM code 2 |
| RXDRSC3 | ICD-10-CM code 3 |
| RXDRSD1 | ICD-10-CM code 1 description |
| RXDRSD2 | ICD-10-CM code 2 description |
| RXDRSD3 | ICD-10-CM code 3 description |
| RXDCOUNT | Number of prescription medicines taken |

**RXQ\_DRUG: Drug Information**

| Variable Name | Label |
| --- | --- |
| RXDDRGID | Generic drug code |
| RXDDRUG | Generic drug name |
| RXDINGFL | SINGLE/MULTIPLE INGREDIENT DRUG |
| RXDDCI1A | DRUG CATEGORY ID - CAT 1, LEV 1 |
| RXDDCI1B | DRUG CATEGORY ID - CAT 1, LEV 2 |
| RXDDCI1C | DRUG CATEGORY ID - CAT 1, LEV 3 |
| RXDDCI2A | DRUG CATEGORY ID - CAT 2, LEV1 |
| RXDDCI2B | DRUG CATEGORY ID - CAT 2, LEV 2 |
| RXDDCI2C | DRUG CATEGORY ID - CAT 2, LEV 3 |
| RXDDCI3A | DRUG CATEGORY ID - CAT 3, LEV 1 |
| RXDDCI3B | DRUG CATEGORY ID - CAT 3, LEV 2 |
| RXDDCI3C | DRUG CATEGORY ID - CAT 3, LEV 3 |
| RXDDCI4A | DRUG CATEGORY ID - CAT 4, LEV 1 |
| RXDDCI4B | DRUG CATEGORY ID - CAT 4, LEV 2 |
| RXDDCI4C | DRUG CATEGORY ID - CAT 4, LEV 3 |
| RXDDCN1A | DRUG CATEGORY NAME - CAT 1, LEV 1 |
| RXDDCN1B | DRUG CATEGORY NAME - CAT 1, LEV 2 |
| RXDDCN1C | DRUG CATEGORY NAME - CAT 1, LEV 3 |
| RXDDCN2A | DRUG CATEGORY NAME - CAT 2, LEV 1 |
| RXDDCN2B | DRUG CATEGORY NAME - CAT 2, LEV 2 |
| RXDDCN2C | DRUG CATEGORY NAME - CAT 2, LEV 3 |
| RXDDCN3A | DRUG CATEGORY NAME - CAT 3, LEV 1 |
| RXDDCN3B | DRUG CATEGORY NAME - CAT 3, LEV 2 |
| RXDDCN3C | DRUG CATEGORY NAME - CAT 3, LEV 3 |
| RXDDCN4A | DRUG CATEGORY NAME - CAT 4, LEV 1 |
| RXDDCN4B | DRUG CATEGORY NAME - CAT 4, LEV 2 |
| RXDDCN4C | DRUG CATEGORY NAME - CAT 4, LEV 3 |
| RXDICI1A | INGREDIENT CATEGORY ID - CAT 1, LEV 1 |
| RXDICI1B | INGREDIENT CATEGORY ID - CAT 1, LEV 2 |
| RXDICI1C | INGREDIENT CATEGORY ID - CAT 1, LEV 3 |
| RXDICI2A | INGREDIENT CATEGORY ID - CAT 2, LEV 1 |
| RXDICI2B | INGREDIENT CATEGORY ID - CAT 2, LEV 2 |
| RXDICI2C | INGREDIENT CATEGORY ID - CAT 2, LEV 3 |
| RXDICI3A | INGREDIENT CATEGORY ID - CAT 3, LEV 1 |
| RXDICI3B | INGREDIENT CATEGORY ID - CAT 3, LEV 2 |
| RXDICI3C | INGREDIENT CATEGORY ID - CAT 3, LEV 3 |
| RXDICI4A | INGREDIENT CATEGORY ID - CAT 4, LEV 1 |
| RXDICI4B | INGREDIENT CATEGORY ID - CAT 4, LEV 2 |
| RXDICI4C | INGREDIENT CATEGORY ID - CAT 4, LEV 3 |
| RXDICI5A | INGREDIENT CATEGORY ID - CAT 5, LEV 1 |
| RXDICI5B | INGREDIENT CATEGORY ID - CAT 5, LEV 2 |
| RXDICI5C | INGREDIENT CATEGORY ID - CAT 5, LEV 3 |
| RXDICI6A | INGREDIENT CATEGORY ID - CAT 6, LEV 1 |
| RXDICI6B | INGREDIENT CATEGORY ID - CAT 6, LEV 2 |
| RXDICI6C | INGREDIENT CATEGORY ID - CAT 6, LEV 3 |
| RXDICN1A | INGREDIENT CATEGORY NAME - CAT 1, LEV 1 |
| RXDICN1B | INGREDIENT CATEGORY NAME - CAT 1, LEV 2 |
| RXDICN1C | INGREDIENT CATEGORY NAME - CAT 1, LEV 3 |
| RXDICN2A | INGREDIENT CATEGORY NAME - CAT 2, LEV 1 |
| RXDICN2B | INGREDIENT CATEGORY NAME - CAT 2, LEV 2 |
| RXDICN2C | INGREDIENT CATEGORY NAME - CAT 2, LEV 3 |
| RXDICN3A | INGREDIENT CATEGORY NAME - CAT 3, LEV 1 |
| RXDICN3B | INGREDIENT CATEGORY NAME - CAT 3, LEV 2 |
| RXDICN3C | INGREDIENT CATEGORY NAME - CAT 3, LEV 3 |
| RXDICN4A | INGREDIENT CATEGORY NAME - CAT 4, LEV 1 |
| RXDICN4B | INGREDIENT CATEGORY NAME - CAT 4, LEV 2 |
| RXDICN4C | INGREDIENT CATEGORY NAME - CAT 4, LEV 3 |
| RXDICN5A | INGREDIENT CATEGORY NAME - CAT 5, LEV 1 |
| RXDICN5B | INGREDIENT CATEGORY NAME - CAT 5, LEV 2 |
| RXDICN5C | INGREDIENT CATEGORY NAME - CAT 5, LEV 3 |
| RXDICN6A | INGREDIENT CATEGORY NAME - CAT 6, LEV 1 |
| RXDICN6B | INGREDIENT CATEGORY NAME - CAT 6, LEV 2 |
| RXDICN6C | INGREDIENT CATEGORY NAME - CAT 6, LEV 3 |

## Analytic Notes

The variable RXDCOUNT provides a count of all prescription products reported in the prescription medication section adjusting for products moved into or out of the final file. The count includes products reported as “refused” or “don’t know” by participants who reported they had taken a prescription medication but did not know the name of the medication or refused to report the name of the medication. Drugs released as “unknown drug” are also included in the count. However, prescription supplements in the Dietary Supplements File are not included in the total count. Therefore, this variable does not provide a comprehensive count of all prescription products used by the survey participant.

In some cases, it may appear as though participants reported the same prescription drug more than once. That is, the same generic ingredient name and product code may be listed more than once. There are a several reasons for these duplications. Participants may have reported different brand name medications which had the same generic ingredient name (e.g., “Oxycontin” vs. “Roxicodone”), the medications may have been different forms or dosages of the same product (e.g., Albuterol “oral tablet” vs. “inhalation solution”, or Furosemide “20 mg” vs. “40 mg”), or participants may have reported different lengths of use or reasons for use of the products.

The health problem as the main reason for taking medication was self-reported. The released variables, ICD-10-CM codes/description, were used to classify the health problems related to the medication use, and should not be considered as diagnoses from physicians.

During the data editing process, outlier values were examined. When there was insufficient information to conclude that values were invalid, they were left in the data set. Analysts should examine the distribution of the data and consider whether or not it is appropriate to include or exclude extreme values in a given analysis.

Respondent sequence number (SEQN) in the prescription medication data is not a unique identifier. Participants who reported the use of multiple prescription drugs will have multiple records, that is, a record for each drug. Analysts should convert a drug-level data to a person-level data, that is, a record for each person, before merging it with NHANES demographic and other data files by using SEQN.

Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

## Codebook and Frequencies

### SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 0 YEARS - 150 YEARS

### RXDUSE - Taken prescription medicine, past month

Variable Name:

RXDUSE

SAS Label:

Taken prescription medicine, past month

English Text:

In the past 30 days, have you used or taken medication for which a prescription is needed? Do not include prescription vitamins or minerals you may have already told me about.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 14100 | 14100 |  |
| 2 | No | 6089 | 20189 | End of Section |
| 7 | Refused | 4 | 20193 | End of Section |
| 9 | Don't know | 1 | 20194 | End of Section |
| . | Missing | 0 | 20194 |  |

### RXDDRUG - Generic drug name

Variable Name:

RXDDRUG

SAS Label:

Generic drug name

English Text:

Generic drug name.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| Generic drug name | Value was recorded | 14016 | 14016 |  |
| 55555 | Unknown | 6 | 14022 |  |
| 77777 | Refused | 16 | 14038 |  |
| 99999 | Don't know | 62 | 14100 |  |
| < blank > | Missing | 6094 | 20194 |  |

### RXDDRGID - Generic drug code

Variable Name:

RXDDRGID

SAS Label:

Generic drug code

English Text:

Generic drug code.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| Generic drug code | Value was recorded | 14016 | 14016 |  |
| < blank > | Missing | 6178 | 20194 |  |

### RXQSEEN - Medicine container seen by interviewer

Variable Name:

RXQSEEN

SAS Label:

Medicine container seen by interviewer

English Text:

Was prescription container seen by interviewer?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 12477 | 12477 |  |
| 2 | No | 767 | 13244 |  |
| 3 | Only pharmacy print out seen | 775 | 14019 |  |
| . | Missing | 6175 | 20194 |  |

### RXDDAYS - Number of days taken medicine

Variable Name:

RXDDAYS

SAS Label:

Number of days taken medicine

English Text:

For how long have you been using or taking {PRODUCT NAME}?

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 25550 | Range of Values | 13740 | 13740 |  |
| 77777 | Refused | 0 | 13740 |  |
| 99999 | Don't know | 278 | 14018 |  |
| . | Missing | 6176 | 20194 |  |

### RXDRSC1 - ICD-10-CM code 1

Variable Name:

RXDRSC1

SAS Label:

ICD-10-CM code 1

English Text:

ICD-10-CM code 1.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| ICD-10-CM code 1 | Value was recorded | 13633 | 13633 |  |
| 55555 | Unknown | 41 | 13674 |  |
| 77777 | Refused | 8 | 13682 |  |
| 99999 | Don't know | 340 | 14022 |  |
| < blank > | Missing | 6172 | 20194 |  |

### RXDRSC2 - ICD-10-CM code 2

Variable Name:

RXDRSC2

SAS Label:

ICD-10-CM code 2

English Text:

ICD-10-CM code 2.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| ICD-10-CM code 2 | Value was recorded | 714 | 714 |  |
| < blank > | Missing | 19480 | 20194 |  |

### RXDRSC3 - ICD-10-CM code 3

Variable Name:

RXDRSC3

SAS Label:

ICD-10-CM code 3

English Text:

ICD-10-CM code 3.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| ICD-10-CM code 3 | Value was recorded | 127 | 127 |  |
| < blank > | Missing | 20067 | 20194 |  |

### RXDRSD1 - ICD-10-CM code 1 description

Variable Name:

RXDRSD1

SAS Label:

ICD-10-CM code 1 description

English Text:

ICD-10-CM code 1 description.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| ICD-10-CM code 1 description | Value was recorded | 13633 | 13633 |  |
| < blank > | Missing | 6561 | 20194 |  |

### RXDRSD2 - ICD-10-CM code 2 description

Variable Name:

RXDRSD2

SAS Label:

ICD-10-CM code 2 description

English Text:

ICD-10-CM code 2 description.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| ICD-10-CM code 2 description | Value was recorded | 714 | 714 |  |
| < blank > | Missing | 19480 | 20194 |  |

### RXDRSD3 - ICD-10-CM code 3 description

Variable Name:

RXDRSD3

SAS Label:

ICD-10-CM code 3 description

English Text:

ICD-10-CM code 3 description.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| ICD-10-CM code 3 description | Value was recorded | 127 | 127 |  |
| < blank > | Missing | 20067 | 20194 |  |

### RXDCOUNT - Number of prescription medicines taken

Variable Name:

RXDCOUNT

SAS Label:

Number of prescription medicines taken

English Text:

The number of prescription medicines reported.

Target:

Both males and females 0 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 23 | Range of Values | 14100 | 14100 |  |
| . | Missing | 6094 | 20194 |  |

## Appendix: ICD-10-CM codes assigned to reasons for use reported by participants

| ICD-10-CM code | Description |
| --- | --- |
| A08.4 | Viral intestinal infection, unspecified |
| A09 | Infectious gastroenteritis and colitis, unspecified |
| A15 | Respiratory tuberculosis |
| A15.P | Prevent tuberculosis |
| A41.9 | Sepsis, unspecified organism |
| A44.9 | Bartonellosis, unspecified |
| A49.02 | Methicillin resistant Staphylococcus aureus infection, unspecified site |
| A49.9 | Bacterial infection, unspecified |
| A49.9P | Prevent bacterial infection |
| A60.9 | Anogenital herpesviral infection, unspecified |
| A69.2 | Lyme disease |
| B00.1 | Herpesviral vesicular dermatitis |
| B00.9 | Herpesviral infection, unspecified |
| B02 | Zoster [herpes zoster] |
| B07 | Viral warts |
| B18.2 | Chronic viral hepatitis C |
| B19.1 | Unspecified viral hepatitis B |
| B20 | Human immunodeficiency virus [HIV] disease |
| B34.9 | Viral infection, unspecified |
| B35.1 | Tinea unguium |
| B35.3 | Tinea pedis |
| B35.4 | Tinea corporis |
| B35.9 | Dermatophytosis, unspecified |
| B37.0 | Candidal stomatitis |
| B37.3 | Candidiasis of vulva and vagina |
| B37.9 | Candidiasis, unspecified |
| B86 | Scabies |
| B96.81 | Helicobacter pylori [H. pylori] as the cause of diseases classified elsewhere |
| B97.4 | Respiratory syncytial virus as the cause of diseases classified elsewhere |
| C18 | Malignant neoplasm of colon |
| C41.9 | Malignant neoplasm of bone and articular cartilage, unspecified |
| C44 | Other and unspecified malignant neoplasm of skin |
| C50 | Malignant neoplasm of breast |
| C50.P | Prevent barest cancer |
| C54.P | Prevent uterine cancer |
| C61 | Malignant neoplasm of prostate |
| C73 | Malignant neoplasm of thyroid gland |
| C74 | Malignant neoplasm of adrenal gland |
| C80.1 | Malignant (primary) neoplasm, unspecified |
| C95.9 | Leukemia, unspecified |
| D25.P | Prevent uterine fibroids |
| D35.2 | Benign neoplasm of pituitary gland |
| D49 | Neoplasms of unspecified behavior |
| D50.9 | Iron deficiency anemia, unspecified |
| D64.9 | Anemia, unspecified |
| D75.9P | Prevent blood clots |
| D89.9 | Disorder involving the immune mechanism, unspecified |
| E03.9 | Hypothyroidism, unspecified |
| E04.1 | Nontoxic single thyroid nodule |
| E04.9 | Nontoxic goiter, unspecified |
| E05.9 | Thyrotoxicosis, unspecified |
| E06.3 | Autoimmune thyroiditis |
| E06.9 | Thyroiditis, unspecified |
| E07.9 | Disorder of thyroid, unspecified |
| E10 | Type 1 diabetes mellitus |
| E10.2 | Type 1 diabetes mellitus with kidney complications |
| E11 | Type 2 diabetes mellitus |
| E11.2 | Type 2 diabetes mellitus with kidney complications |
| E11.2P | Prevent diabetic kidney disease |
| E11.4 | Type 2 diabetes mellitus with neurological complications |
| E11.P | Prevent diabetes |
| E21.3 | Hyperparathyroidism, unspecified |
| E26.9 | Hyperaldosteronism, unspecified |
| E27.1 | Primary adrenocortical insufficiency |
| E27.40 | Unspecified adrenocortical insufficiency |
| E27.9 | Disorder of adrenal gland, unspecified |
| E28.2 | Polycystic ovarian syndrome |
| E28.31 | Premature menopause |
| E28.9 | Ovarian dysfunction, unspecified |
| E29.1 | Testicular hypofunction |
| E34.3 | Short stature due to endocrine disorder |
| E34.9 | Endocrine disorder, unspecified |
| E53.9 | Vitamin B deficiency, unspecified |
| E56.9 | Vitamin deficiency, unspecified |
| E56.9P | Prevent vitamin deficiency |
| E58 | Dietary calcium deficiency |
| E63.9 | Nutritional deficiency, unspecified |
| E66 | Overweight and obesity |
| E66.3 | Overweight |
| E66.9 | Obesity, unspecified |
| E78.0 | Pure hypercholesterolemia |
| E78.0P | Prevent high cholesterol |
| E78.1 | Pure hyperglyceridemia |
| E79.0 | Hyperuricemia without signs of inflammatory arthritis and tophaceous disease |
| E83.3 | Disorders of phosphorus metabolism and phosphatases |
| E83.52 | Hypercalcemia |
| E87.1 | Hypo-osmolality and hyponatremia |
| E87.6 | Hypokalemia |
| E87.6P | Prevent hypokalemia |
| E87.7 | Fluid overload |
| E87.8 | Other disorders of electrolyte and fluid balance, not elsewhere classified |
| E88.81 | Metabolic syndrome |
| F11.2 | Opioid dependence |
| F11.23 | Opioid dependence with withdrawal |
| F17.203 | Nicotine dependence unspecified, with withdrawal |
| F20 | Schizophrenia |
| F29 | Unspecified psychosis not due to a substance or known physiological condition |
| F30 | Manic episode |
| F31.9 | Bipolar disorder, unspecified |
| F32.9 | Major depressive disorder, single episode, unspecified |
| F39 | Unspecified mood [affective] disorder |
| F41.0 | Panic disorder [episodic paroxysmal anxiety] without agoraphobia |
| F41.9 | Anxiety disorder, unspecified |
| F42 | Obsessive-compulsive disorder |
| F43.1 | Post-traumatic stress disorder (PTSD) |
| F43.9 | Reaction to severe stress, unspecified |
| F50.9 | Eating disorder, unspecified |
| F60.0 | Paranoid personality disorder |
| F84.0 | Autistic disorder |
| F90 | Attention-deficit hyperactivity disorders |
| F91.3 | Oppositional defiant disorder |
| F91.9 | Conduct disorder, unspecified |
| F95.2 | Tourette's disorder |
| F95.9 | Tic disorder, unspecified |
| F98.0 | Enuresis not due to a substance or known physiological condition |
| F98.4 | Stereotyped movement disorders |
| F99 | Mental disorder, not otherwise specified |
| G20 | Parkinson's disease |
| G25.0 | Essential tremor |
| G25.81 | Restless legs syndrome |
| G30.9 | Alzheimer's disease, unspecified |
| G31.84 | Mild cognitive impairment, so stated |
| G31.9 | Degenerative disease of nervous system, unspecified |
| G35 | Multiple sclerosis |
| G40 | Epilepsy and recurrent seizures |
| G43 | Migraine |
| G43.P | Prevent migraine |
| G45.9 | Transient cerebral ischemic attack, unspecified |
| G47.0 | Insomnia |
| G47.30 | Sleep apnea, unspecified |
| G47.41 | Narcolepsy |
| G47.9 | Sleep disorder, unspecified |
| G50.0 | Trigeminal neuralgia |
| G56.0 | Carpal tunnel syndrome |
| G81.1 | Spastic hemiplegia |
| G83.9 | Paralytic syndrome, unspecified |
| G89.18 | Other acute postprocedural pain |
| G89.3 | Neoplasm related pain (acute) (chronic) |
| G89.4 | Chronic pain syndrome |
| H00.0 | Hordeolum (externum) (internum) of eyelid |
| H00.1 | Chalazion |
| H02.84 | Edema of eyelid |
| H04.12 | Dry eye syndrome |
| H10 | Conjunctivitis |
| H10.1 | Acute atopic conjunctivitis |
| H10.P | Prevent eye infection |
| H11.3 | Conjunctival hemorrhage |
| H26.9 | Unspecified cataract |
| H33 | Retinal detachments and breaks |
| H35.30 | Unspecified macular degeneration (age-related) |
| H40 | Glaucoma |
| H40.P | Prevent glaucoma |
| H57.8 | Other specified disorders of eye and adnexa |
| H57.9 | Unspecified disorder of eye and adnexa |
| H60.9 | Unspecified otitis externa |
| H61.2P | Prevent ear wax |
| H66.9 | Otitis media, unspecified |
| H66.9P | Prevent ear infection |
| H81.0 | Ménière's disease |
| H81.1 | Benign paroxysmal vertigo |
| H81.9 | Unspecified disorder of vestibular function |
| H92.0 | Otalgia |
| H93.9 | Unspecified disorder of ear |
| I10 | Essential (primary) hypertension |
| I10.P | Prevent hypertension |
| I20.9 | Angina pectoris, unspecified |
| I21 | ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction |
| I21.P | Prevent heart attack/myocardial infarction |
| I26 | Pulmonary embolism |
| I38 | Endocarditis, valve unspecified |
| I42.9 | Cardiomyopathy, unspecified |
| I47.1 | Supraventricular tachycardia |
| I48.91 | Unspecified atrial fibrillation |
| I48.92 | Unspecified atrial flutter |
| I49.1 | Atrial premature depolarization |
| I49.9 | Cardiac arrhythmia, unspecified |
| I50.9 | Heart failure, unspecified |
| I51.7 | Cardiomegaly |
| I51.9 | Heart disease, unspecified |
| I51.9P | Prevent heart disease |
| I63 | Cerebral infarction |
| I63.P | Prevent stroke |
| I70.2 | Atherosclerosis of native arteries of extremities |
| I70.21 | Atherosclerosis of native arteries of extremities with intermittent claudication |
| I72.9P | Prevent aneurysm |
| I73.0 | Raynaud's syndrome |
| I77.9 | Disorder of arteries and arterioles, unspecified |
| I80.3 | Phlebitis and thrombophlebitis of lower extremities, unspecified |
| I95.9 | Hypotension, unspecified |
| I99.9 | Unspecified disorder of circulatory system |
| J00 | Acute nasopharyngitis [common cold] |
| J01 | Acute sinusitis |
| J01.9 | Acute sinusitis, unspecified |
| J02 | Acute pharyngitis |
| J02.0P | Prevent strep throat |
| J03 | Acute tonsillitis |
| J06.9 | Acute upper respiratory infection, unspecified |
| J09 | Influenza due to certain identified influenza viruses |
| J18.9 | Pneumonia, unspecified organism |
| J20.9 | Acute bronchitis, unspecified |
| J30.1 | Allergic rhinitis due to pollen |
| J30.2 | Other seasonal allergic rhinitis |
| J30.9 | Allergic rhinitis, unspecified |
| J32.9 | Chronic sinusitis, unspecified |
| J33.9 | Nasal polyp, unspecified |
| J40 | Bronchitis, not specified as acute or chronic |
| J42 | Unspecified chronic bronchitis |
| J43 | Emphysema |
| J44.9 | Chronic obstructive pulmonary disease, unspecified |
| J45 | Asthma |
| J45.P | Prevent asthma |
| J81 | Pulmonary edema |
| J84.10 | Pulmonary fibrosis, unspecified |
| J98.4 | Other disorders of lung |
| J98.9 | Respiratory disorder, unspecified |
| K02.7 | Dental root caries |
| K02.P | Prevent tooth decay |
| K04.7 | Periapical abscess without sinus |
| K04.7P | Prevent tooth infection |
| K05.6 | Periodontal disease, unspecified |
| K08.4 | Partial loss of teeth |
| K08.8 | Other specified disorders of teeth and supporting structures |
| K11.7 | Disturbances of salivary secretion |
| K12.0 | Recurrent oral aphthae |
| K12.2 | Cellulitis and abscess of mouth |
| K13.79 | Other lesions of oral mucosa |
| K21 | Gastro-esophageal reflux disease |
| K21.P | Prevent acid reflux |
| K22.1 | Ulcer of esophagus |
| K25 | Gastric ulcer |
| K25.P | Prevent gastric ulcer |
| K27 | Peptic ulcer, site unspecified |
| K29.70 | Gastritis, unspecified, without bleeding |
| K30 | Functional dyspepsia |
| K31.4 | Gastric diverticulum |
| K31.84 | Gastroparesis |
| K31.9 | Disease of stomach and duodenum, unspecified |
| K31.9P | Prevent stomach problem |
| K44 | Diaphragmatic hernia |
| K46 | Unspecified abdominal hernia |
| K50 | Crohn's disease [regional enteritis] |
| K51 | Ulcerative colitis |
| K52.9 | Noninfective gastroenteritis and colitis, unspecified |
| K56.60 | Unspecified intestinal obstruction |
| K57 | Diverticular disease of intestine |
| K58 | Irritable bowel syndrome |
| K59.0 | Constipation |
| K59.9 | Functional intestinal disorder, unspecified |
| K64 | Hemorrhoids and perianal venous thrombosis |
| K64.P | Prevent hemorrhoids |
| K72.9 | Hepatic failure, unspecified |
| K74.5 | Biliary cirrhosis, unspecified |
| K76.0 | Fatty (change of) liver, not elsewhere classified |
| K76.9 | Liver disease, unspecified |
| K82.9 | Disease of gallbladder, unspecified |
| K83.1 | Obstruction of bile duct |
| K86.8 | Other specified diseases of pancreas |
| K86.9 | Disease of pancreas, unspecified |
| K91.2 | Postsurgical malabsorption, not elsewhere classified |
| K91.5 | Postcholecystectomy syndrome |
| K92.2 | Gastrointestinal hemorrhage, unspecified |
| K92.9 | Disease of digestive system, unspecified |
| L01.0 | Impetigo |
| L02.92 | Furuncle, unspecified |
| L03.90 | Cellulitis, unspecified |
| L08.9 | Local infection of the skin and subcutaneous tissue, unspecified |
| L20.9 | Atopic dermatitis, unspecified |
| L22 | Diaper dermatitis |
| L23 | Allergic contact dermatitis |
| L23.7 | Allergic contact dermatitis due to plants, except food |
| L29.9 | Pruritus, unspecified |
| L30.9 | Dermatitis, unspecified |
| L40 | Psoriasis |
| L40.5 | Arthropathic psoriasis |
| L50 | Urticaria |
| L55 | Sunburn |
| L57.8 | Other skin changes due to chronic exposure to nonionizing radiation |
| L64 | Androgenic alopecia |
| L70 | Acne |
| L71 | Rosacea |
| L73.0 | Acne keloid |
| L73.9 | Follicular disorder, unspecified |
| L81.9 | Disorder of pigmentation, unspecified |
| L85.3 | Xerosis cutis |
| L93 | Lupus erythematosus |
| L97 | Non-pressure chronic ulcer of lower limb, not elsewhere classified |
| L98.9 | Disorder of the skin and subcutaneous tissue, unspecified |
| M06.9 | Rheumatoid arthritis, unspecified |
| M10.9 | Gout, unspecified |
| M13 | Other arthritis |
| M19.9 | Osteoarthritis, unspecified site |
| M19.90 | Unspecified osteoarthritis, unspecified site |
| M1A | Chronic gout |
| M25.5 | Pain in joint |
| M25.51 | Pain in shoulder |
| M25.52 | Pain in elbow |
| M25.53 | Pain in wrist |
| M25.55 | Pain in hip |
| M25.56 | Pain in knee |
| M27.2 | Inflammatory conditions of jaws |
| M31.6 | Other giant cell arteritis |
| M35.0 | Sicca syndrome [Sjögren] |
| M35.3 | Polymyalgia rheumatica |
| M43.9 | Deforming dorsopathy, unspecified |
| M45 | Ankylosing spondylitis |
| M48.0 | Spinal stenosis |
| M51.9 | Unspecified thoracic, thoracolumbar and lumbosacral intervertebral disc disorder |
| M54.2 | Cervicalgia |
| M54.5 | Low back pain |
| M54.9 | Dorsalgia, unspecified |
| M60.9 | Myositis, unspecified |
| M62.81 | Muscle weakness (generalized) |
| M62.83 | Muscle spasm |
| M75.1 | Rotator cuff tear or rupture, not specified as traumatic |
| M79.1 | Myalgia |
| M79.2 | Neuralgia and neuritis, unspecified |
| M79.603 | Pain in arm, unspecified |
| M79.606 | Pain in leg, unspecified |
| M79.64 | Pain in hand and fingers |
| M79.646 | Pain in finger |
| M79.673 | Pain in unspecified foot |
| M79.7 | Fibromyalgia |
| M81 | Osteoporosis without current pathological fracture |
| M81.P | Prevent bone loss/osteoporosis |
| M85.80 | Other specified disorders of bone density and structure, unspecified site |
| M87.9 | Osteonecrosis, unspecified |
| M88 | Osteitis deformans [Paget's disease of bone] |
| M94.0 | Chondrocostal junction syndrome |
| M94.26 | Chondromalacia, knee |
| N12 | Tubulo-interstitial nephritis, not specified as acute or chronic |
| N18.9 | Chronic kidney disease, unspecified |
| N19 | Unspecified kidney failure |
| N20.0 | Calculus of kidney |
| N20.0P | Prevent kidney stone |
| N23 | Unspecified renal colic |
| N28.9 | Disorder of kidney and ureter, unspecified |
| N28.9P | Prevent kidney disease |
| N30 | Cystitis |
| N30.1 | Interstitial cystitis (chronic) |
| N31.9 | Neuromuscular dysfunction of bladder, unspecified |
| N32.81 | Overactive bladder |
| N32.9 | Bladder disorder, unspecified |
| N34.1 | Nonspecific urethritis |
| N39.0 | Urinary tract infection, site not specified |
| N39.0P | Prevent urinary tract infection |
| N39.4 | Other specified urinary incontinence |
| N39.9 | Disorder of urinary system, unspecified |
| N40 | Enlarged prostate |
| N41.0 | Acute prostatitis |
| N42.9 | Disorder of prostate, unspecified |
| N48.29 | Other inflammatory disorders of penis |
| N48.89 | Other specified disorders of penis |
| N52.9 | Male erectile dysfunction, unspecified |
| N61 | Inflammatory disorders of breast |
| N73.9 | Female pelvic inflammatory disease, unspecified |
| N76.0 | Acute vaginitis |
| N80.9 | Endometriosis, unspecified |
| N81.4 | Uterovaginal prolapse, unspecified |
| N83.2 | Other and unspecified ovarian cysts |
| N85.0 | Endometrial hyperplasia |
| N91.0 | Primary amenorrhea |
| N92 | Excessive, frequent and irregular menstruation |
| N92.6 | Irregular menstruation, unspecified |
| N93.9 | Abnormal uterine and vaginal bleeding, unspecified |
| N94.3 | Premenstrual tension syndrome |
| N94.6 | Dysmenorrhea, unspecified |
| N95.1 | Menopausal and female climacteric states |
| N95.1P | Prevent menopause symptoms |
| N95.2 | Postmenopausal atrophic vaginitis |
| N97.9 | Female infertility, unspecified |
| O12.0 | Gestational edema |
| O13.9 | Gestational [pregnancy-induced] hypertension without significant proteinuria, unspecified trimester |
| O24.4 | Gestational diabetes mellitus |
| Q99.9 | Chromosomal abnormality, unspecified |
| R00.0 | Tachycardia, unspecified |
| R00.0P | Prevent tachycardia |
| R00.2 | Palpitations |
| R00.9 | Unspecified abnormalities of heart beat |
| R01.1 | Cardiac murmur, unspecified |
| R03.0 | Elevated blood-pressure reading, without diagnosis of hypertension |
| R05 | Cough |
| R06.02 | Shortness of breath |
| R06.2 | Wheezing |
| R06.6 | Hiccough |
| R06.9 | Unspecified abnormalities of breathing |
| R07.89 | Other chest pain |
| R07.9 | Chest pain, unspecified |
| R07.9P | Prevent chest pain |
| R09.3 | Abnormal sputum |
| R09.81 | Nasal congestion |
| R09.82 | Postnasal drip |
| R09.89 | Other specified symptoms and signs involving the circulatory and respiratory systems |
| R10.83 | Colic |
| R10.9 | Unspecified abdominal pain |
| R11 | Nausea and vomiting |
| R11.0 | Nausea |
| R11.1 | Vomiting |
| R11.1P | Prevent vomiting |
| R11.P | Prevent nausea or vomiting |
| R12 | Heartburn |
| R14.0 | Abdominal distension (gaseous) |
| R15 | Fecal incontinence |
| R19.7 | Diarrhea, unspecified |
| R20.0 | Anesthesia of skin |
| R20.2 | Paresthesia of skin |
| R21 | Rash and other nonspecific skin eruption |
| R25.1 | Tremor, unspecified |
| R25.2 | Cramp and spasm |
| R25.2P | Prevent cramp and spasm |
| R29.90 | Unspecified symptoms and signs involving the nervous system |
| R30 | Pain associated with micturition |
| R32 | Unspecified urinary incontinence |
| R33.9 | Retention of urine, unspecified |
| R35.0 | Frequency of micturition |
| R35.1 | Nocturia |
| R39.11 | Hesitancy of micturition |
| R39.12 | Poor urinary stream |
| R39.15 | Urgency of urination |
| R39.9 | Unspecified symptoms and signs involving the genitourinary system |
| R41.3 | Other amnesia |
| R41.840 | Attention and concentration deficit |
| R42 | Dizziness and giddiness |
| R44.0 | Auditory hallucinations |
| R45.0 | Nervousness |
| R45.1 | Restlessness and agitation |
| R45.4 | Irritability and anger |
| R45.86 | Emotional lability |
| R46.4 | Slowness and poor responsiveness |
| R50.9 | Fever, unspecified |
| R51 | Headache |
| R51.P | Prevent headache |
| R52 | Pain, unspecified |
| R53.83 | Other fatigue |
| R56.9 | Unspecified convulsions |
| R59.0 | Localized enlarged lymph nodes |
| R59.9 | Enlarged lymph nodes, unspecified |
| R60.9 | Edema, unspecified |
| R63.0 | Anorexia |
| R63.4 | Abnormal weight loss |
| R68.2 | Dry mouth, unspecified |
| R68.84 | Jaw pain |
| R73 | Elevated blood glucose level |
| R73.9 | Hyperglycemia, unspecified |
| R80.9 | Proteinuria, unspecified |
| R91 | Abnormal findings on diagnostic imaging of lung |
| R94.5 | Abnormal results of liver function studies |
| S05 | Injury of eye and orbit |
| S22 | Fracture of rib(s), sternum and thoracic spine |
| S62.6 | Fracture of other and unspecified finger(s) |
| S76.9 | Injury of unspecified muscles, fascia and tendons at thigh level |
| S81.80 | Unspecified open wound of lower leg |
| S82.0 | Fracture of patella |
| S97.8 | Crushing injury of foot |
| T14.9 | Unspecified injury |
| T30.0 | Burn of unspecified body region, unspecified degree |
| T63.4 | Toxic effect of venom of other arthropods |
| T75.3 | Motion sickness |
| T78.40 | Allergy, unspecified |
| T86.9P | Prevent transplanted organ and tissue rejection |
| T88.7 | Unspecified adverse effect of drug or medicament |
| W54.0 | Bitten by dog |
| Z34.9 | Encounter for supervision of normal pregnancy, unspecified |
| Z47 | Orthopedic aftercare |
| Z48.29 | Encounter for aftercare following bone marrow transplant |
| Z48.810 | Encounter for surgical aftercare following surgery on the sense organs |
| Z51.11 | Encounter for antineoplastic chemotherapy |
| Z77.120 | Contact with and (suspected) exposure to mold (toxic) |
| Z79.02 | Long term (current) use of antithrombotics/antiplatelets |
| Z79.2 | Long term (current) use of antibiotics |
| Z79.3 | Long term (current) use of hormonal contraceptives |
| Z79.52 | Long term (current) use of systemic steroids |
| Z79.81 | Long term (current) use of agents affecting estrogen receptors and estrogen levels |
| Z79.P | Prophylactic medication |
| Z87.11 | Personal history of peptic ulcer disease |
| Z88 | Allergy status to drugs, medicaments and biological substances |
| Z90.5 | Acquired absence of kidney |
| Z90.710 | Acquired absence of both cervix and uterus |
| Z91.01 | Food allergy status |
| Z91.030 | Bee allergy status |
| Z99.2 | Dependence on renal dialysis |
| Z94.0 | Kidney transplant status |
| Z95.0 | Presence of cardiac pacemaker |
| Z95.1 | Presence of aortocoronary bypass graft |
| Z95.2 | Presence of prosthetic heart valve |
| Z95.5 | Presence of coronary angioplasty implant and graft |
| Z95.9 | Presence of cardiac and vascular implant and graft, unspecified |
| Z96.64 | Presence of artificial hip joint |
| Z96.65 | Presence of artificial knee joint |
| Z98.84 | Bariatric surgery status |

**Sleep Disorders**

### Sleep Disorders (SLQ\_H)

#### Data File: SLQ\_H.xpt

##### First Published: February 2016

##### Last Revised: NA

## Component Description

The sleep disorders (variable name prefix SLQ) data set provides a limited number of questions on sleep habits and disorders.

## Eligible Sample

Participants 16 years of age and older were eligible.

## Interview Setting and Mode of Administration

These questions were asked, in the home, by trained interviewers using the Computer-Assisted Personal Interviewing (CAPI) system.

## Quality Assurance & Quality Control

The CAPI system is programmed with built-in consistency checks to reduce data entry errors.

## Data Processing and Editing

Edits were made to ensure completeness, consistency and analytic usefulness of the data.

## Analytic Notes

Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

## Codebook and Frequencies

### SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 16 YEARS - 150 YEARS

### SLD010H - How much sleep do you get (hours)?

Variable Name:

SLD010H

SAS Label:

How much sleep do you get (hours)?

English Text:

The next set of questions is about your sleeping habits. How much sleep {do you/does SP} usually get at night on weekdays or workdays?

English Instructions:

INTERVIEWER INSTRUCTION: ENTER HOURS.

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 2 to 11 | Range of Values | 6408 | 6408 |  |
| 12 | 12 hours or more | 46 | 6454 |  |
| 77 | Refused | 0 | 6454 |  |
| 99 | Don't know | 7 | 6461 |  |
| . | Missing | 3 | 6464 |  |

### SLQ050 - Ever told doctor had trouble sleeping?

Variable Name:

SLQ050

SAS Label:

Ever told doctor had trouble sleeping?

English Text:

{Have you/Has SP} ever told a doctor or other health professional that {you have/s/he has} trouble sleeping?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1582 | 1582 |  |
| 2 | No | 4880 | 6462 |  |
| 7 | Refused | 0 | 6462 |  |
| 9 | Don't know | 2 | 6464 |  |
| . | Missing | 0 | 6464 |  |

### SLQ060 - Ever told by doctor have sleep disorder?

Variable Name:

SLQ060

SAS Label:

Ever told by doctor have sleep disorder?

English Text:

{Have you/Has SP} ever been told by a doctor or other health professional that {you have/s/he has} a sleep disorder?

Target:

Both males and females 16 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 579 | 579 |  |
| 2 | No | 5872 | 6451 |  |
| 7 | Refused | 0 | 6451 |  |
| 9 | Don't know | 13 | 6464 |  |
| . | Missing | 0 | 6464 |  |

**Smoking-Cigarette Use**

### Smoking - Cigarette Use (SMQ\_H)

#### Data File: SMQ\_H.xpt

##### First Published: October 2015

##### Last Revised: September 2016

##### Note: The cigarette brand and associated variables were added.

## Component Description

The smoking - cigarette use (variable name prefix SMQ) data set provides data on history of use, age at initiation, past 30 day use, cigarette brand, sub-brand and other related details. For adults, two new questions on quit attempts have been added in 2013-14. Also cigarette brand name, sub-brand, and other brand descriptors have been updated to reflect U.S. FDA cigarette product naming and packaging requirements.

## Eligible Sample

All participants aged 12 years and older were eligible. For participants aged 12-17 years, there were no proxy interviews.

## Interview Setting and Mode of Administration

Beginning in 2013-14, the age range changed by collection mode. For adults aged 18 years or older, questions were asked, in the home, by trained interviewers using the Computer-Assisted Personal Interview (CAPI) system. For youths aged 12-17 years, the questions were asked at the Mobile Examination Center (MEC) during the MEC Interview using the Audio Computer-Assisted Self-Interview (ACASI) system, in English and Spanish only. ACASI was the previous data collection mode for youths aged 12-19 years.

## Quality Assurance & Quality Control

The CAPI and ACASI systems are programmed with built-in consistency checks to reduce data entry errors. CAPI also uses online help screens to assist interviewers in defining key terms used in the questionnaire.

## Data Processing and Editing

Edits were made to ensure completeness, consistency and analytic usefulness of the data. Note that because data are self-reported, certain inconsistencies remain. For example, some adult respondents reported smoking “everyday” in SMQ040, but then reported fewer than 30 days when questioned about the number of days smoked during the past 30 days (SMD641). Analysts should review responses to questions carefully prior to analysis.

A special variable, SMAQUEX was created as a flag to designate each interview mode.

## Analytic Notes

Please consult “variable names across cycles,” found at the end of this documentation for further clarification of all changes in 2013-14.

SMQ078: “How soon after waking do you smoke” has expanded response categories in this data release. Categories can be collapsed in order to analyze the variable SMQ077 in earlier cycles.

SMDUPCA: The Universal Product Code (UPC) from the cigarette pack barcode and name was matched to an updated Nielsen data base of domestic and imported cigarettes containing UPC, cigarette name, sub-brand, package color, as well as filter, length and menthol designation. For a select number of brands, the data base also included mean tar, nicotine and CO levels (SMD100TR, SMD100NI, SMD100CO) obtained from the Federal Trade Commission.

SMD100BR: The cigarette brand names and sub-brand now reflect the current product naming and packaging. This variable includes the cigarette brand for persons who had their cigarette pack at the interview (SMD093=1) and persons who did not have their pack (SMD093=2), but reported a usual brand. The cigarette brand for 13 respondents who provided a cigarette pack was not identified.

Data collection questions on cigarette brands for youth aged 12-17 years also were modified in 2013, and are released as SMQ661, SMQ665A—SMQ665D, with new product sub-brand names.

Additional questions on tobacco use and exposure are located in SMQRTU, SMQFAM and SMQSHS data files. Biologic indicators of tobacco exposure, serum cotinine (metabolite of nicotine) and urinary NNAL measurements can be found in the COTNAL laboratory data file. For adults 20 years and older, a special subset of tobacco-related volatile organic compounds found in urine also are available (UVOCS).

Note that for three data release cycles (1999-2004), all of the tobacco use data obtained for youths during the MEC ACASI interview was released in the SMQMEC data files, and tobacco use data for adults was released in both the SMQ and SMQMEC data files. However, beginning in 2005-2006, the data release format was altered, combining data collection modes, and dividing the data by topic for all ages between two files: SMQ (cigarette use as reported in the home interview) and SMQRTU (recent tobacco use as reported in the MEC). In addition, in 2013-14, the age range changed by mode; the ACASI in the MEC was used only of youths aged 12-17 years. Therefore, when analysts are combining multiple years of tobacco data it is critical to refer to all tobacco-related codebooks and carefully review the target age for each variable in the relevant data files.

The NHANES full sample 2-Year MEC Exam Weights ([WTMEC2YR](https://wwwn.cdc.gov/nchs/nhanes/2013-2014/demo_h.htm#wtmec2yr)) should be used to analyze the 2013-14 SMQ variables in conjunction with the laboratory measurements on tobacco exposure or other examination measurements.

Please refer to the [NHANES Analytic Guidelines](https://wwwn.cdc.gov/nchs/nhanes/analyticguidelines.aspx) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) for further details on the use of sample weights and other analytic issues.

## Codebook and Frequencies

### SEQN - Respondent sequence number

Variable Name:

SEQN

SAS Label:

Respondent sequence number

English Text:

Respondent sequence number.

Target:

Both males and females 12 YEARS - 150 YEARS

### SMQ020 - Smoked at least 100 cigarettes in life

Variable Name:

SMQ020

SAS Label:

Smoked at least 100 cigarettes in life

English Text:

These next questions are about cigarette smoking and other tobacco use. {Have you/Has SP} smoked at least 100 cigarettes in {your/his/her} entire life?

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 2579 | 2579 |  |
| 2 | No | 3532 | 6111 | SMAQUEX2 |
| 7 | Refused | 0 | 6111 | SMAQUEX2 |
| 9 | Don't know | 2 | 6113 | SMAQUEX2 |
| . | Missing | 1055 | 7168 |  |

### SMD030 - Age started smoking cigarettes regularly

Variable Name:

SMD030

SAS Label:

Age started smoking cigarettes regularly

English Text:

How old {were you/was SP} when {you/s/he} first started to smoke cigarettes fairly regularly?

English Instructions:

ENTER AGE IN YEARS

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 7 to 64 | Range of Values | 2448 | 2448 |  |
| 0 | Never smoked cigarettes regularly | 120 | 2568 |  |
| 80 | 80 years or older | 0 | 2568 |  |
| 777 | Refused | 0 | 2568 |  |
| 999 | Don't know | 11 | 2579 |  |
| . | Missing | 4589 | 7168 |  |

### SMQ040 - Do you now smoke cigarettes

Variable Name:

SMQ040

SAS Label:

Do you now smoke cigarettes

English Text:

{Do you/Does SP} now smoke cigarettes?

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Every day | 992 | 992 | SMQ078 |
| 2 | Some days | 240 | 1232 | SMD641 |
| 3 | Not at all | 1347 | 2579 |  |
| 7 | Refused | 0 | 2579 | SMAQUEX2 |
| 9 | Don't know | 0 | 2579 | SMAQUEX2 |
| . | Missing | 4589 | 7168 |  |

### SMQ050Q - How long since quit smoking cigarettes

Variable Name:

SMQ050Q

SAS Label:

How long since quit smoking cigarettes

English Text:

How long has it been since {you/SP} quit smoking cigarettes?

English Instructions:

ENTER NUMBER (OF DAYS, WEEKS, MONTHS OR YEARS)

Target:

Both males and females 12 YEARS - 150 YEARS

Hard Edits:

1 to 366

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 90 | Range of Values | 1290 | 1290 |  |
| 66666 | 50 years or more | 46 | 1336 |  |
| 77777 | Refused | 0 | 1336 |  |
| 99999 | Don't know | 11 | 1347 |  |
| . | Missing | 5821 | 7168 |  |

### SMQ050U - Unit of measure (day/week/month/year)

Variable Name:

SMQ050U

SAS Label:

Unit of measure (day/week/month/year)

English Text:

UNIT OF MEASURE

English Instructions:

ENTER UNIT

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Days | 10 | 10 |  |
| 2 | Weeks | 28 | 38 |  |
| 3 | Months | 99 | 137 |  |
| 4 | Years | 1153 | 1290 |  |
| 7 | Refused | 0 | 1290 |  |
| 9 | Don't know | 0 | 1290 |  |
| . | Missing | 5878 | 7168 |  |

### SMD055 - Age last smoked cigarettes regularly

Variable Name:

SMD055

SAS Label:

Age last smoked cigarettes regularly

English Text:

How old {were you/was SP} when {you/s/he} last smoked cigarettes {fairly regularly}?

English Instructions:

ENTER AGE IN YEARS.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 14 to 79 | Range of Values | 1198 | 1198 |  |
| 80 | 80 years or older | 6 | 1204 |  |
| 777 | Refused | 0 | 1204 |  |
| 999 | Don't know | 11 | 1215 |  |
| . | Missing | 5953 | 7168 |  |

### SMD057 - # cigarettes smoked per day when quit

Variable Name:

SMD057

SAS Label:

# cigarettes smoked per day when quit

English Text:

At that time, about how many cigarettes did {you/SP} usually smoke per day?

English Instructions:

1 PACK EQUALS 20 CIGARETTES. IF LESS THAN 1 PER DAY, ENTER 1. IF 95 OR MORE PER DAY, ENTER 95. ENTER NUMBER (OF CIGARETTES).

Target:

Both males and females 18 YEARS - 150 YEARS

Hard Edits:

1 to 95

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 2 to 90 | Range of Values | 1189 | 1189 |  |
| 1 | 1 cigarette or less | 136 | 1325 |  |
| 95 | 95 cigarettes or more | 7 | 1332 |  |
| 777 | Refused | 0 | 1332 |  |
| 999 | Don't know | 15 | 1347 |  |
| . | Missing | 5821 | 7168 |  |

### SMQ078 - How soon after waking do you smoke

Variable Name:

SMQ078

SAS Label:

How soon after waking do you smoke

English Text:

How soon after you wake up do you smoke? Would you say . . .

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Within 5 minutes | 258 | 258 |  |
| 2 | From 6 to 30 minutes | 321 | 579 |  |
| 3 | From more than 30 minutes to one hour | 211 | 790 |  |
| 4 | From more than 1 hour to 2 hours | 103 | 893 |  |
| 5 | From more than 2 hours to 3 hours | 40 | 933 |  |
| 6 | From more than 3 hours to 4 hours | 21 | 954 |  |
| 7 | More than 4 hours | 45 | 999 |  |
| 77 | Refused | 0 | 999 |  |
| 99 | Don't know | 0 | 999 |  |
| . | Missing | 6169 | 7168 |  |

### SMD641 - # days smoked cigs during past 30 days

Variable Name:

SMD641

SAS Label:

# days smoked cigs during past 30 days

English Text:

On how many of the past 30 days did {you/SP} smoke a cigarette?

English Instructions:

ENTER NUMBER (OF DAYS)

Target:

Both males and females 12 YEARS - 150 YEARS

Hard Edits:

0 to 30

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 30 | Range of Values | 1316 | 1316 |  |
| 77 | Refused | 0 | 1316 |  |
| 99 | Don't know | 0 | 1316 |  |
| . | Missing | 5852 | 7168 |  |

### SMD650 - Avg # cigarettes/day during past 30 days

Variable Name:

SMD650

SAS Label:

Avg # cigarettes/day during past 30 days

English Text:

During the past 30 days, on the days that {you/SP} smoked, about how many cigarettes did {you/s/he} smoke per day?

English Instructions:

1 PACK EQUALS 20 CIGARETTES. IF LESS THAN 1 PER DAY, ENTER 1. IF 95 OR MORE PER DAY, ENTER 95. ENTER NUMBER (OF CIGARETTES) (PER DAY).

Target:

Both males and females 12 YEARS - 150 YEARS

Hard Edits:

1 to 95

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 2 to 90 | Range of Values | 1139 | 1139 |  |
| 1 | 1 cigarette or less | 107 | 1246 |  |
| 95 | 95 cigarettes or more | 0 | 1246 |  |
| 777 | Refused | 0 | 1246 |  |
| 999 | Don't know | 2 | 1248 |  |
| . | Missing | 5920 | 7168 |  |

### SMD093 - May I please see the pack of cigarettes

Variable Name:

SMD093

SAS Label:

May I please see the pack of cigarettes

English Text:

May I please see the pack for the brand of cigarettes {you usually smoke/SP usually smokes}.

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 829 | 829 |  |
| 2 | No | 280 | 1109 | SMD100BR |
| 3 | No usual brand | 69 | 1178 | SMQ670 |
| 4 | Rolls own | 54 | 1232 | SMD100BR |
| 7 | Refused | 0 | 1232 |  |
| 9 | Don't know | 0 | 1232 |  |
| . | Missing | 5936 | 7168 |  |

### SMDUPCA - Cig 12-digit Universal Product Code-UPC

Variable Name:

SMDUPCA

SAS Label:

Cig 12-digit Universal Product Code-UPC

English Text:

Cigarette 12-digit Universal Product Code (UPC)

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| Cig 12-digit Universal Product Code-UPC | Value was recorded | 758 | 758 |  |
|  | Missing | 6352 | 7110 |  |
| \* NO MATCH \* | No match | 58 | 7168 |  |

### SMD100BR - Cigarette Brand/sub-brand

Variable Name:

SMD100BR

SAS Label:

Cigarette Brand/sub-brand

English Text:

BRAND OF CIGARETTES SMOKED BY SP (SUB-BRAND INCLUDED IF APPLICABLE AND AVAILABLE)

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| Cigarette Brand/sub-brand | Value was recorded | 1092 | 1092 |  |
|  | Missing | 6076 | 7168 |  |

### SMD100FL - Cigarette Filter type

Variable Name:

SMD100FL

SAS Label:

Cigarette Filter type

English Text:

CIGARETTE PRODUCT FILTERED OR NON-FILTERED

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 | Non-filter | 12 | 12 |  |
| 1 | Filter | 1079 | 1091 |  |
| . | Missing | 6077 | 7168 |  |

### SMD100MN - Cigarette Menthol indicator

Variable Name:

SMD100MN

SAS Label:

Cigarette Menthol indicator

English Text:

CIGARETTE PRODUCT MENTHOLATED OR NON-MENTHOLATED

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 | Non-menthol | 671 | 671 |  |
| 1 | Menthol | 421 | 1092 |  |
| . | Missing | 6076 | 7168 |  |

### SMD100LN - Cigarette Length

Variable Name:

SMD100LN

SAS Label:

Cigarette Length

English Text:

CIGARETTE PRODUCT LENGTH

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Regular (68-72 mm) | 45 | 45 |  |
| 2 | King (79-88 mm) | 623 | 668 |  |
| 3 | Long (94-101 mm) | 410 | 1078 |  |
| 4 | Ultra long (110-121 mm) | 14 | 1092 |  |
| . | Missing | 6076 | 7168 |  |

### SMD100TR - FTC Tar Content

Variable Name:

SMD100TR

SAS Label:

FTC Tar Content

English Text:

CIGARETTE TAR CONTENT

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 2 to 24 | Range of Values | 828 | 828 |  |
| . | Missing | 6340 | 7168 |  |

### SMD100NI - FTC Nicotine Content

Variable Name:

SMD100NI

SAS Label:

FTC Nicotine Content

English Text:

CIGARETTE NICOTINE CONTENT

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0.1 to 2 | Range of Values | 828 | 828 |  |
| . | Missing | 6340 | 7168 |  |

### SMD100CO - FTC Carbon Monoxide Content

Variable Name:

SMD100CO

SAS Label:

FTC Carbon Monoxide Content

English Text:

CIGARETTE CARBON MONOXIDE CONTENT

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 3 to 19 | Range of Values | 828 | 828 |  |
| . | Missing | 6340 | 7168 |  |

### SMQ621 - Cigarettes smoked in entire life

Variable Name:

SMQ621

SAS Label:

Cigarettes smoked in entire life

English Text:

The following questions are about cigarette smoking and other tobacco use. Do not include cigars or marijuana. About how many cigarettes have you smoked in your entire life?

English Instructions:

INSTRUCTIONS TO SP: Please select . . .

Target:

Both males and females 12 YEARS - 17 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | I have never smoked, not even a puff | 836 | 836 | SMAQUEX2 |
| 2 | 1 or more puffs but never a whole cigarette | 85 | 921 | SMAQUEX2 |
| 3 | 1 cigarette | 12 | 933 |  |
| 4 | 2 to 5 cigarettes | 25 | 958 |  |
| 5 | 6 to 15 cigarettes | 17 | 975 |  |
| 6 | 16 to 25 cigarettes | 10 | 985 |  |
| 7 | 26 to 99 cigarettes | 11 | 996 |  |
| 8 | 100 or more cigarettes | 9 | 1005 |  |
| 77 | Refused | 1 | 1006 | SMAQUEX2 |
| 99 | Don't know | 1 | 1007 | SMAQUEX2 |
| . | Missing | 6161 | 7168 |  |

### SMD630 - Age first smoked whole cigarette

Variable Name:

SMD630

SAS Label:

Age first smoked whole cigarette

English Text:

How old were you when you smoked a whole cigarette for the first time?

English Instructions:

IF R SAYS LESS THAN 6 YEARS, ENTER 6 YEARS. VERBAL INSTRUCTIONS TO SP: Please enter an age. CAPI INSTRUCTION: ACCEPTABLE VALUES: 6-17 YEARS. ENTER AGE.

Target:

Both males and females 12 YEARS - 17 YEARS

Hard Edits:

6 to 19

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 7 to 17 | Range of Values | 82 | 82 |  |
| 6 | 6 years or less | 1 | 83 |  |
| 77 | Refused | 0 | 83 | SMAQUEX2 |
| 99 | Don't know | 0 | 83 | SMAQUEX2 |
| . | Missing | 7085 | 7168 |  |

### SMQ661 - Brand of cigarettes smoked past 30 days

Variable Name:

SMQ661

SAS Label:

Brand of cigarettes smoked past 30 days

English Text:

During the past 30 days, on the days that you smoked, which brand of cigarettes did you usually smoke?

English Instructions:

INSTRUCTIONS TO SP: Please select one of the following choices

Target:

Both males and females 12 YEARS - 17 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Marlboro | 13 | 13 |  |
| 2 | Camel | 3 | 16 | SMQ665B |
| 3 | Newport | 9 | 25 | SMQ665C |
| 8 | Other brand | 2 | 27 | SMQ665D |
| 9 | No usual brand | 1 | 28 | SMQ670 |
| 10 | Hand-rolled cigarettes | 1 | 29 | SMQ670 |
| 77 | Refused | 0 | 29 | SMQ670 |
| 99 | Don't know | 0 | 29 | SMQ670 |
| . | Missing | 7139 | 7168 |  |

### SMQ665A - Marlboro variety

Variable Name:

SMQ665A

SAS Label:

Marlboro variety

English Text:

Please select the Marlboro pack that looks most like the brand that you smoke. If the pack you smoke is not shown, select 'other Marlboro.'

English Instructions:

CAPI INSTRUCTIONS: SHOW IMAGES OF MARLBORO RED, MARLBORO RED 83S, MARLBORO GOLD, MARLBORO GOLD MENTHOL, MARLBORO SILVER, MARLBORO BLACK, MARLBORO MENTHOL AND OTHER MARLBORO.

Target:

Both males and females 12 YEARS - 17 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | MARLBORO RED | 4 | 4 | SMQ670 |
| 2 | MARLBORO RED 83S | 0 | 4 | SMQ670 |
| 3 | MARLBORO GOLD | 3 | 7 | SMQ670 |
| 4 | MARLBORO GOLD MENTHOL | 0 | 7 | SMQ670 |
| 5 | MARLBORO SILVER | 0 | 7 | SMQ670 |
| 6 | MARLBORO BLACK | 1 | 8 | SMQ670 |
| 7 | MARLBORO MENTHOL | 2 | 10 | SMQ670 |
| 8 | OTHER MARLBORO | 3 | 13 | SMQ670 |
| 77 | Refused | 0 | 13 | SMQ670 |
| 99 | Don't know | 0 | 13 | SMQ670 |
| . | Missing | 7155 | 7168 |  |

### SMQ665B - Camel variety

Variable Name:

SMQ665B

SAS Label:

Camel variety

English Text:

Please select the Camel pack that looks most like the brand that you smoke. If the pack you smoke is not shown, select 'other Camel.'

English Instructions:

CAPI INSTRUCTIONS: SHOW IMAGES OF CAMEL, CAMEL BLUE, CAMEL CRUSH, CAMEL CRUSH BOLD, CAMEL MENTHOL, CAMEL MENTHOL SILVER, AND OTHER CAMEL.

Target:

Both males and females 12 YEARS - 17 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | CAMEL | 0 | 0 | SMQ670 |
| 2 | CAMEL BLUE | 0 | 0 | SMQ670 |
| 3 | CAMEL CRUSH | 1 | 1 | SMQ670 |
| 4 | CAMEL CRUSH BOLD | 0 | 1 | SMQ670 |
| 5 | CAMEL MENTHOL | 0 | 1 | SMQ670 |
| 6 | CAMEL MENTHOL SILVER | 1 | 2 | SMQ670 |
| 7 | OTHER CAMEL | 1 | 3 | SMQ670 |
| 77 | Refused | 0 | 3 | SMQ670 |
| 99 | Don't know | 0 | 3 | SMQ670 |
| . | Missing | 7165 | 7168 |  |

### SMQ665C - Newport variety

Variable Name:

SMQ665C

SAS Label:

Newport variety

English Text:

Please select the Newport pack that looks most like the brand that you smoke. If the pack you smoke is not shown, select 'other Newport.'

English Instructions:

CAPI INSTRUCTIONS: SHOW IMAGES OF NEWPORT, NEWPORT MENTHOL GOLD, AND OTHER NEWPORT.

Target:

Both males and females 12 YEARS - 17 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | NEWPORT | 9 | 9 | SMQ670 |
| 2 | NEWPORT MENTHOL GOLD | 0 | 9 | SMQ670 |
| 3 | OTHER NEWPORT | 0 | 9 | SMQ670 |
| 77 | Refused | 0 | 9 | SMQ670 |
| 99 | Don't know | 0 | 9 | SMQ670 |
| . | Missing | 7159 | 7168 |  |

### SMQ665D - Other brand

Variable Name:

SMQ665D

SAS Label:

Other brand

English Text:

Please select the pack that looks most like the brand that you smoke. If the pack you smoke is not shown, select 'other brand of cigarette.'

English Instructions:

CAPI INSTRUCTIONS: SHOW IMAGES OF BASIC FF, DORAL RED 100S, DORAL MENTHOL GOLD BOX 100S, GPC FF, GPC FF MENTHOL, KOOL BLUE MENTHOL 100S, KOOL TRUE MENTHOL, VIRGINIA SLIMS FF, AND OTHER BRAND.

Target:

Both males and females 12 YEARS - 17 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | BASIC | 0 | 0 |  |
| 2 | DORAL RED 100S | 0 | 0 |  |
| 3 | DORAL MENTHOL GOLD BOX 100S | 0 | 0 |  |
| 4 | GPC | 0 | 0 |  |
| 5 | GPC MENTHOL | 0 | 0 |  |
| 6 | KOOL BLUE MENTHOL 100S | 0 | 0 |  |
| 7 | KOOL TRUE MENTHOL | 1 | 1 |  |
| 8 | VIRGINIA SLIMS | 0 | 1 |  |
| 9 | OTHER BRAND | 1 | 2 |  |
| 77 | Refused | 0 | 2 |  |
| 99 | Don't know | 0 | 2 |  |
| . | Missing | 7166 | 7168 |  |

### SMQ670 - Tried to quit smoking

Variable Name:

SMQ670

SAS Label:

Tried to quit smoking

English Text:

During the past 12 months, have you stopped smoking for one day or longer because you were trying to quit smoking?

English Instructions:

VERBAL INSTRUCTIONS TO SP: Please select Yes, No.

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Yes | 600 | 600 |  |
| 2 | No | 661 | 1261 |  |
| 7 | Refused | 0 | 1261 |  |
| 9 | Don't know | 0 | 1261 |  |
| . | Missing | 5907 | 7168 |  |

### SMQ848 - # times stopped smoking cigarettes

Variable Name:

SMQ848

SAS Label:

# times stopped smoking cigarettes

English Text:

During the past 12 months, how many times {have you/has SP} stopped smoking cigarettes because {you were/he was/she was} trying to quit smoking?

English Instructions:

ENTER NUMBER OF TIMES (1-20 TIMES) CAPI INSTRUCTION: IF MORE THAN 20 TIMES ENTER 20

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 to 20 | Range of Values | 578 | 578 |  |
| 777 | Refused | 0 | 578 |  |
| 999 | Don't know | 5 | 583 |  |
| . | Missing | 6585 | 7168 |  |

### SMQ852Q - How long were you able to stop smoking

Variable Name:

SMQ852Q

SAS Label:

How long were you able to stop smoking

English Text:

The last time {you/SP} tried to quit, how long {were you/was he/was she} able to stop smoking?

English Instructions:

CAPI INSTRUCTION: SOFT EDIT: SMQ852 CANNOT BE GREATER THAN 364 DAYS, 11 MONTHS OR 51 WEEKS. ENTER NUMBER (OF DAYS, WEEKS OR MONTHS)

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 0 to 356 | Range of Values | 577 | 577 |  |
| 7777 | Refused | 1 | 578 |  |
| 9999 | Don't know | 2 | 580 |  |
| . | Missing | 6588 | 7168 |  |

### SMQ852U - Unit of measure (day/week/month/year)

Variable Name:

SMQ852U

SAS Label:

Unit of measure (day/week/month/year)

English Text:

The last time {you/SP} tried to quit, how long {were you/was he/was she} able to stop smoking?

English Instructions:

ENTER UNIT

Target:

Both males and females 18 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Days | 281 | 281 |  |
| 2 | Weeks | 138 | 419 |  |
| 3 | Months | 158 | 577 |  |
| 7 | Refused | 0 | 577 |  |
| 9 | Don't know | 0 | 577 |  |
| . | Missing | 6591 | 7168 |  |

### SMAQUEX2 - Questionnaire Mode Flag

Variable Name:

SMAQUEX2

SAS Label:

Questionnaire Mode Flag

English Text:

Questionnaire Mode Flag

Target:

Both males and females 12 YEARS - 150 YEARS

| Code or Value | Value Description | Count | Cumulative | Skip to Item |
| --- | --- | --- | --- | --- |
| 1 | Home Interview (18+ Yrs) | 6113 | 6113 |  |
| 2 | ACASI (12 - 17 Yrs) | 1055 | 7168 |  |
| . | Missing | 0 | 7168 |  |

## Appendix: Variable names across cycles

| 2003-2004 | 2005-2006 | 2007-2008 | 2009-2010 | 2011-2012 | 2013-2014 | Label |
| --- | --- | --- | --- | --- | --- | --- |
| SMQ020 | SMQ020 | SMQ020 | SMQ020 | SMQ020 | SMQ020 | Smoked at least 100 cigarettes in life |
| SMD030 | SMD030 | SMD030 | SMD030 | SMD030 | SMD030 | Age started smoking cigarettes regularly |
| SMQ040 | SMQ040 | SMQ040 | SMQ040 | SMQ040 | SMQ040 | Do you now smoke cigarettes |
| SMQ050Q | SMQ050Q | SMQ050Q | SMQ050Q | SMQ050Q | SMQ050Q | How long since quit smoking cigarettes |
| SMQ050U | SMQ050U | SMQ050U | SMQ050U | SMQ050U | SMQ050U | Unit of measure (day/week/month/year) |
| SMD055 | SMD055 | SMD055 | SMD055 | SMD055 | SMD055 | Age last smoked cigarettes regularly |
| SMD057 | SMD057 | SMD057 | SMD057 | SMD057 | SMD057 | # cigarettes smoked per day when quit |
| SMD070 | SMD070 | NA | NA | NA | NA | # cigarettes smoked per day now |
| SMD075 | SMD075 | NA | NA | NA | NA | How many years smoked this amount |
| SMQ077 | SMQ077 | SMQ077 | SMQ077 | SMQ077 | NA | How soon after waking do you smoke |
| NA | NA | NA | NA | NA | SMQ078 | How soon after waking do you smoke |
| NA | NA | NA | NA | NA | NA | # days smoked cigs during past 30 days |
| NA | NA | NA | NA | NA | NA | Avg # cigarettes/day during past 30 days |
| NA | NA | NA | NA | NA | NA | May I please see the pack of cigarettes |
| SMD093 | SMD093 | SMD093 | SMD093 | SMD093 | SMD093 | May I please see the pack of cigarettes |
| SMD100BR | SMD100BR | SMD100BR | SMD100BR | SMD100BR | SMD100BR | Cigarette Brand/sub-brand |
| SMD100CO | SMD100CO | SMD100CO | SMD100CO | SMD100CO | SMD100CO | FTC Carbon Monoxide Content |
| SMD100FL | SMD100FL | SMD100FL | SMD100FL | SMD100FL | SMD100FL | Cigarette Filter type |
| SMD100LN | SMD100LN | SMD100LN | SMD100LN | SMD100LN | SMD100LN | Cigarette Length |
| SMD100MN | SMD100MN | SMD100MN | SMD100MN | SMD100MN | SMD100MN | Cigarette Menthol indicator |
| SMD100NI | SMD100NI | SMD100NI | SMD100NI | SMD100NI | SMD100NI | FTC Nicotine Content |
| SMD100TR | SMD100TR | SMD100TR | SMD100TR | SMD100TR | SMD100TR | FTC Tar Content |
| SMQ120 | NA | NA | NA | NA | NA | Smoked a pipe at least 20 times in life |
| SMD130 | NA | NA | NA | NA | NA | Age started pipe smoking regularly |
| SMQ140 | NA | NA | NA | NA | NA | Do you now smoke a pipe |
| SMQ143 | NA | NA | NA | NA | NA | # pipefuls of tobacco smoked per day |
| SMQ145 | NA | NA | NA | NA | NA | # years smoked this amount of pipes |
| SMQ150 | NA | NA | NA | NA | NA | Smoked cigars at least 20 times in life |
| SMD160 | NA | NA | NA | NA | NA | Age started cigar smoking regularly |
| SMQ170 | NA | NA | NA | NA | NA | Do you now smoke cigars |
| SMQ173 | NA | NA | NA | NA | NA | # cigars smokes per day |
| SMQ175 | NA | NA | NA | NA | NA | # years smoked this amount of cigars |
| SMQ180 | NA | NA | NA | NA | NA | Used snuff at least 20 times in life |
| SMD190 | NA | NA | NA | NA | NA | Age started using snuff regularly |
| SMQ200 | NA | NA | NA | NA | NA | Do you now use snuff |
| SMD203 | NA | NA | NA | NA | NA | # snuff pinches/dips/rubs per day |
| SMQ205 | NA | NA | NA | NA | NA | # years used this amount of snuff |
| SMQ210 | NA | NA | NA | NA | NA | Used chewing tobacco 20 times in life |
| SMD220 | NA | NA | NA | NA | NA | Age started chewing tobacco regularly |
| SMQ230 | NA | NA | NA | NA | NA | Do you now use chewing tobacco |
| SMD233 | NA | NA | NA | NA | NA | # chewing plugs/wads/chaws per day |
| SMD235 | NA | NA | NA | NA | NA | # years used this chewing tobacco amount |
| NA | SMQ620 | SMQ620 | SMQ620 | NA | NA | Ever tried cigarette smoking |
| NA | NA | NA | NA | SMQ621 | SMQ621 | Cigarettes smoked in entire life |
| NA | SMD630 | SMD630 | SMD630 | SMD630 | SMD630 | Age first smoked whole cigarette |
| SMD641 | SMD641 | SMD641 | SMD641 | SMD641 | SMD641 | # days smoked cigs during past 30 days |
| SMD650 | SMD650 | SMD650 | SMD650 | SMD650 | SMD650 | Avg # cigarettes/day during past 30 days |
| NA | SMQ660 | SMQ660 | SMQ660 | SMQ660 | NA | Brands of cigarettes smoked/past mo |
| NA | NA | NA | NA | NA | SMQ661 | Brand of cigarettes smoked past 30 days |
| NA | SMQ664B | SMQ664B | SMQ664B | SMQ664B | NA | Menthol or non-menthol BensonHedges |
| NA | SMQ664C | SMQ664C | SMQ664C | SMQ664C | NA | Menthol or non-menthol Camels |
| NA | SMQ664M | SMQ664M | SMQ664M | SMQ664M | NA | Menthol or non-menthol Marlboro |
| NA | SMQ664O | SMQ664O | SMQ664O | SMQ664O | NA | Menthol or non-menthol other brand |
| NA | SMQ664W | SMQ664W | SMQ664W | SMQ664W | NA | Menthol or non-menthol Winston |
| NA | NA | NA | NA | NA | SMQ665A | Marlboro variety |
| NA | NA | NA | NA | NA | SMQ665B | Camel variety |
| NA | NA | NA | NA | NA | SMQ665C | Newport variety |
| NA | NA | NA | NA | NA | SMQ665D | Other brand |
| NA | SMQ666B | SMQ666B | SMQ666B | NA | NA | Regular, light or ultralite BensonHedges |
| NA | SMQ666C | SMQ666C | SMQ666C | NA | NA | Regular, light or ultralite Camels |
| NA | SMQ666K | SMQ666K | SMQ666K | NA | NA | Regular, light or ultralite Kools |
| NA | SMQ666M | SMQ666M | SMQ666M | NA | NA | Regular, light or ultralite Marlboro |
| NA | SMQ666O | SMQ666O | SMQ666O | NA | NA | Regular, light or ultralite other brand |
| NA | SMQ666S | SMQ666S | SMQ666S | NA | NA | Regular, light or ultralite Salem |
| NA | SMQ666W | SMQ666W | SMQ666W | NA | NA | Regular, light or ultralite Winston |
| NA | SMQ670 | SMQ670 | SMQ670 | SMQ670 | SMQ670 | Tried to quit smoking |
| NA | NA | NA | NA | NA | SMQ848 | # times stopped smoking cigarettes |
| NA | NA | NA | NA | NA | SMQ852Q | How long were you able to stop smoking |
| NA | NA | NA | NA | NA | SMQ852U | Unit of measure (day/week/month/year) |
| NA | SMAQUEX2 | SMAQUEX2 | SMAQUEX2 | SMAQUEX2 | SMAQUEX2 | Questionnaire Mode Flag |
| SMDUPCA | SMDUPCA | SMDUPCA | SMDUPCA | SMDUPCA | SMDUPCA | Cig 12-digit Universal Product Code-UPC |