

National Health and Nutrition Examination Survey

2017-2018 Data Documentation, Codebook, and Frequencies

Demographic Variables and Sample Weights (DEMO_J)

Data File: DEMO_J.xpt

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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 size;
- 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; and
- 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.

Similar to the 2011-2016 cycle, the sample design for NHANES 2017-2018 also 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 2011-2016 and 2017-2018 for examined participants

	Hispanic		Non-Hispanic				Total
	Mexican American	Other Hispanic	White, single race	Black, single race	Asian, single race	Other, including multiracial persons	
2011-2016 n (%)	4,838 (16.9)	3,173 (11.1)	9,327 (32.5)	6,832 (23.8)	3,220 (11.2)	1,305 (4.5)	28,695 (100.0)
2017-2018 n (%)	1,298 (14.9)	773 (8.9)	2,931 (33.7)	2,010 (23.1)	1,086 (12.5)	606 (7.0)	8,704 (100.0)

Similar to previously released cycles, the 2017-2018 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 \(RDC\)](#).

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 2017-2018 demographics questionnaires](#) are available on the NHANES website.

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 "10" denotes NHANES 2017–2018.

RIDSTATR: This variable 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 2017-2018, the weighted mean age for participants 80 years and older is 85 years.

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

RIDAGEMN: 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: 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 Asian Americans. 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 2015-2016 survey cycle, there is more detailed information on veterans collected in NHANES. Additional information for these veterans is available through the [NCHS 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](#).

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](#).

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](#).

AIALANGZ: This variable indicates the language used for the audio-computer-assisted self-interview (ACASI) portion of the MEC interview. The ACASI portion was translated into Chinese (traditional/Mandarin, simplified/Mandarin, and traditional/Cantonese), Korean, and Vietnamese to accommodate the Asian oversampling as of 2011. 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 $\geq \$20,000$. 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 $\geq \$20,000$, 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 $\geq \$20,000$. 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 (DMDHRAGZ), education level (DMDHREDZ), and marital status (DMDHRMAZ). Additionally, information on the education level of the household reference person's spouse is included (DMDHSEDZ).

Due to disclosure concerns, the household reference person's age in years variable was recoded to a categorical variable (<20, 20-39, 40-59, or 60+ years); the household reference person's education level and their spouse's education level variables were recoded from the original 5 categories to 3 categories (1 = Less than high school; 2 = High school grad/GED or some college/AA degree; 3 = College graduate or above); and the household reference person's marital status variable was recoded from the original 6 categories to 3 categories (1 = Married/Living with partner; 2 = Widowed/Divorced/Separated; 3 = Never married).

Analytic Notes

As aforementioned, the sample design for NHANES 2011-18 includes an oversample of Asian Americans. For more details on sample design and related analytic issues, please refer to [the NHANES Analytic Guidelines](#).

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.

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 2017-2018, the percentage 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 2017-2018 dataset.

Masked Variance Units (MVUs): Fifteen masked variance strata and 30 masked primary sampling units (PSUs) are included in the 2017-2018 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](#). 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 2017-2018 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](#) and the on-line [NHANES Tutorial](#) 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 and instructions for requesting use of these data are available through the [NCHS RDC](#).

References

- U.S. Department of Health & Human Services. Poverty Guidelines, Research, and Measurement. Washington, DC: U.S. Department of Health & Human Services.
<https://aspe.hhs.gov/prior-hhs-poverty-guidelines-and-federal-register-references>

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
10	NHANES 2017-2018 public release	9254	9254	
.	Missing	0	9254	

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	550	550	
2	Both interviewed and MEC examined	8704	9254	
.	Missing	0	9254	

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	4557	4557	
2	Female	4697	9254	
.	Missing	0	9254	

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	8827	8827	
80	80 years of age and over	427	9254	
.	Missing	0	9254	

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	597	597	
.	Missing	8657	9254	

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	1367	1367	
2	Other Hispanic	820	2187	
3	Non-Hispanic White	3150	5337	
4	Non-Hispanic Black	2115	7452	
5	Other Race - Including Multi-Racial	1802	9254	
.	Missing	0	9254	

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	1367	1367	
2	Other Hispanic	820	2187	
3	Non-Hispanic White	3150	5337	
4	Non-Hispanic Black	2115	7452	
6	Non-Hispanic Asian	1168	8620	
7	Other Race - Including Multi-Racial	634	9254	
.	Missing	0	9254	

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	4201	4201	
2	May 1 through October 31	4503	8704	
.	Missing	550	9254	

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	3433	3433	
.	Missing	5821	9254	

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	561	561	
2	No	5440	6001	DMDBORN4
7	Refused	2	6003	DMDBORN4
9	Don't Know	1	6004	DMDBORN4
.	Missing	3250	9254	

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	294	294	
2	No	266	560	
7	Refused	1	561	
9	Don't Know	0	561	
.	Missing	8693	9254	

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	7303	7303	
2	Others	1948	9251	
77	Refused	2	9253	
99	Don't Know	1	9254	
.	Missing	0	9254	

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	8310	8310	
2	Not a citizen of the US	913	9223	
7	Refused	20	9243	
9	Don't Know	8	9251	
.	Missing	3	9254	

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	68	68	
2	1 year or more, but less than 5 years	241	309	
3	5 year or more, but less than 10 years	188	497	
4	10 year or more, but less than 15 years	207	704	
5	15 year or more, but less than 20 years	248	952	
6	20 year or more, but less than 30 years	335	1287	
7	30 year or more, but less than 40 years	285	1572	
8	40 year or more, but less than 50 years	176	1748	
9	50 years or more	106	1854	
77	Refused	35	1889	
99	Don't Know	59	1948	
.	Missing	7306	9254	

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	184	184	
1	1st grade	176	360	
2	2nd grade	202	562	
3	3rd grade	202	764	
4	4th grade	179	943	
5	5th grade	199	1142	
6	6th grade	154	1296	
7	7th grade	151	1447	
8	8th grade	154	1601	
9	9th grade	154	1755	
10	10th grade	139	1894	
11	11th grade	155	2049	
12	12th grade, no diploma	20	2069	
13	High school graduate	150	2219	
14	GED or equivalent	5	2224	
15	More than high school	71	2295	
55	Less than 5th grade	0	2295	
66	Less than 9th grade	11	2306	
77	Refused	0	2306	
99	Don't Know	0	2306	
.	Missing	6948	9254	

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	479	479	
2	9-11th grade (Includes 12th grade with no diploma)	638	1117	
3	High school graduate/GED or equivalent	1325	2442	
4	Some college or AA degree	1778	4220	
5	College graduate or above	1336	5556	
7	Refused	2	5558	
9	Don't Know	11	5569	
.	Missing	3685	9254	

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	2737	2737	
2	Widowed	462	3199	
3	Divorced	641	3840	
4	Separated	202	4042	
5	Never married	1006	5048	
6	Living with partner	515	5563	
77	Refused	6	5569	
99	Don't Know	0	5569	
.	Missing	3685	9254	

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	55	55	
2	The participant was not pregnant at exam	966	1021	
3	Cannot ascertain if the participant is pregnant at exam	89	1110	
.	Missing	8144	9254	

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	8295	8295	
2	Spanish	959	9254	
.	Missing	0	9254	

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	3187	3187	
2	No	6067	9254	
.	Missing	0	9254	

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	289	289	
2	No	8965	9254	
.	Missing	0	9254	

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	7941	7941	
2	Spanish	839	8780	
.	Missing	474	9254	

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	17	17	
2	No	8763	8780	
.	Missing	474	9254	

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	239	239	
2	No	8541	8780	
.	Missing	474	9254	

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 8 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	English	6202	6202	
2	Spanish	482	6684	
.	Missing	2570	9254	

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 8 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	50	50	
2	No	6634	6684	
.	Missing	2570	9254	

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 8 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	146	146	
2	No	6538	6684	
.	Missing	2570	9254	

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 8 YEARS - 69 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	English	4431	4431	
2	Spanish	466	4897	
3	Asian languages	80	4977	
.	Missing	4277	9254	

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	807	807	
2	2	1922	2729	
3	3	1629	4358	
4	4	1886	6244	
5	5	1474	7718	
6	6	803	8521	
7	7 or more people in the Household	733	9254	
.	Missing	0	9254	

D MDFMSIZ - Total number of people in the Family

Variable Name: D MDFMSIZ

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	1250	1250	
2	2	1717	2967	
3	3	1556	4523	
4	4	1861	6384	
5	5	1423	7807	
6	6	794	8601	
7	7 or more people in the Family	653	9254	
.	Missing	0	9254	

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	6183	6183	
1	1	1826	8009	
2	2	951	8960	
3	3 or more	294	9254	
.	Missing	0	9254	

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	4772	4772	
1	1	1902	6674	
2	2	1511	8185	
3	3 or more	1069	9254	
.	Missing	0	9254	

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	6125	6125	
1	1	1788	7913	
2	2	1270	9183	
3	3 or more	71	9254	
.	Missing	0	9254	

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	4629	4629	
2	Female	4625	9254	
.	Missing	0	9254	

DMDHRAGZ - HH ref person's age in years

Variable Name: DMDHRAGZ

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
1	<20 years	121	121	
2	20-39 years	3411	3532	
3	40-59 years	3364	6896	
4	60+ years	2358	9254	
.	Missing	0	9254	

DMDHREDZ - HH ref person's education level

Variable Name: DMDHREDZ

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 high school degree	1656	1656	
2	High school grad/GED or some college/AA degree	5007	6663	
3	College graduate or above	2101	8764	
7	Refused	0	8764	
9	Don't Know	0	8764	
.	Missing	490	9254	

DMDHRMAZ - HH ref person's marital status

Variable Name: DMDHRMAZ

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/Living with partner	6006	6006	
2	Widowed/Divorced/Separated	1830	7836	
3	Never Married	1227	9063	
77	Refused	0	9063	
99	Don't Know	0	9063	
.	Missing	191	9254	

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

Variable Name: DMDHSEDZ

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 high school degree	892	892	
2	High school grad/GED or some college/AA degree	2441	3333	
3	College graduate or above	1418	4751	
7	Refused	0	4751	
9	Don't Know	0	4751	
.	Missing	4503	9254	

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
2571.0687123 to 433085.00526	Range of Values	9254	9254	
.	Missing	0	9254	

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
2566.1838545 to 419762.83649	Range of Values	8704	8704	
0	Not MEC Examined	550	9254	
.	Missing	0	9254	

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	9254	9254	
.	Missing	0	9254	

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
134 to 148	Range of Values	9254	9254	
.	Missing	0	9254	

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	282	282	
2	\$ 5,000 to \$ 9,999	252	534	
3	\$10,000 to \$14,999	399	933	
4	\$15,000 to \$19,999	536	1469	
5	\$20,000 to \$24,999	529	1998	
6	\$25,000 to \$34,999	960	2958	
7	\$35,000 to \$44,999	893	3851	
8	\$45,000 to \$54,999	607	4458	
9	\$55,000 to \$64,999	573	5031	
10	\$65,000 to \$74,999	441	5472	
12	\$20,000 and Over	328	5800	
13	Under \$20,000	120	5920	
14	\$75,000 to \$99,999	829	6749	
15	\$100,000 and Over	1624	8373	
77	Refused	170	8543	
99	Don't know	220	8763	
.	Missing	491	9254	

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	340	340	
2	\$ 5,000 to \$ 9,999	281	621	
3	\$10,000 to \$14,999	454	1075	
4	\$15,000 to \$19,999	556	1631	
5	\$20,000 to \$24,999	555	2186	
6	\$25,000 to \$34,999	1005	3191	
7	\$35,000 to \$44,999	896	4087	
8	\$45,000 to \$54,999	598	4685	
9	\$55,000 to \$64,999	540	5225	
10	\$65,000 to \$74,999	418	5643	
12	\$20,000 and Over	246	5889	
13	Under \$20,000	125	6014	
14	\$75,000 to \$99,999	804	6818	
15	\$100,000 and Over	1576	8394	
77	Refused	179	8573	
99	Don't know	207	8780	
.	Missing	474	9254	

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 4.98	Range of Values	6815	6815	
5	Value greater than or equal to 5.00	1208	8023	
.	Missing	1231	9254	

