

National Health and Nutrition Examination Survey

2017-March 2020 Data Documentation, Codebook, and Frequencies

Smoking - Household Smokers (P_SMQFAM)

Data File: P_SMQFAM.xpt

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Component Description

The NHANES program suspended field operations in March 2020 due to the coronavirus disease 2019 (COVID-19) pandemic. As a result, data collection for the NHANES 2019-2020 cycle was not completed and the collected data are not nationally representative. Therefore, data collected from 2019 to March 2020 were combined with data from the NHANES 2017-2018 cycle to form a nationally representative sample of NHANES 2017-March 2020 pre-pandemic data. These data are available to the public. Please refer to the Analytic Notes section for more details on the use of the data.

The smoking – household smokers (variable name prefix SMQFAM) section of the Family Questionnaire provides information about tobacco smoking among persons living in the home. Responses to these two questions can be used to assess secondhand smoke exposure among nonsmokers.

Eligible Sample

All participants in the NHANES 2017-March 2020 pre-pandemic sample were eligible.

Interview Setting and Mode of Administration

One respondent in each family answered questions about the smoking status of all members of the household. These questions were asked as part of the Family Questionnaire, in the home, using the Computer-Assisted Personal interview (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.

Data Processing and Editing

Inconsistent responses to these questions were adjudicated when possible. This occurred in a small percentage of households where there was more than one family. Summary variables were created during the editing process in order to preserve confidentiality and to establish more analytically useful data.

Analytic Notes

The COVID-19 pandemic required suspension of NHANES 2019-2020 field operations in March 2020 after data were collected in 18 of the 30 survey locations in the 2019-2020 sample. Because the collected data from 18 locations were not nationally representative, these data were combined with data from the previous cycle (2017-2018) to create a 2017-March 2020 pre-pandemic data file. A special weighting process was applied to the 2017-March 2020 pre-pandemic data file. The sample weights in the demographic data file should be used to calculate estimates from the combined cycles. These sample weights are not appropriate for independent analyses of the 2019-2020 data and will not yield nationally representative results for either the 2017-2018 data alone or the 2019-March 2020 data alone. Please refer to the NHANES website for additional information for the NHANES 2017-March 2020 pre-pandemic data, and for the previous

2017-2018 public use data file with specific weights for that 2-year cycle.

Questions about household smokers have been modified over the NHANES cycles. When combining cycles, carefully review questionnaires and documentation from all cycles, as well as unweighted counts and missing data that may occur with skip patterns.

Additional questions about secondhand smoke exposure are found in the data file SMQSHS. Questions on cigarette smoking and of other tobacco products are located in SMQ and SMQRTU data files. Biochemical indicators of tobacco exposure, including serum cotinine, are available in NHANES laboratory data files. For this data file, responses of 2 or greater (SMD460 and SMD470) are coded as "2 or more" due to a disclosure concern. An additional variable (SMD480) collected in 2017-2018, was excluded in 2019.

Please 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.

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

SMD460 - # of people who live here smoke tobacco?**Variable Name:** SMD460**SAS Label:** # of people who live here smoke tobacco?**English Text:** Now I would like to ask you a few questions about smoking in this home. How many people who live here smoke cigarettes, cigars, little cigars, pipes, water pipes, hookah, or any other tobacco product?**English Instructions:** INTERVIEWER INSTRUCTION: IF RESPONSE IS NO ONE, ENTER ZERO. ENTER NUMBER OF PERSONS. CAPI INSTRUCTION: ALLOW '0' AS AN ENTRY. RANGE EDIT: CANNOT BE GREATER THAN # OF PEOPLE IN THE HOUSEHOLD. IF '0', 'REFUSED' OR 'DON'T KNOW', GO TO END OF SECTION.**Target:** Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0	No one in household is a smoker	9897	9897	End of Section
1	1 household member is a smoker	2941	12838	
2	2 or more household members are smokers	1655	14493	
777	Refused	2	14495	End of Section
999	Don't know	10	14505	End of Section
.	Missing	1055	15560	

SMD470 - # of people who smoke inside this home?

Variable Name: SMD470**SAS Label:** # of people who smoke inside this home?**English Text:** Not counting decks, porches, or detached garages, how many people who live here smoke cigarettes, cigars, little cigars, pipes, water pipes, hookah, or any other tobacco product inside this home?**English Instructions:** ENTER NUMBER OF PERSONS. CAPI INSTRUCTION: ALLOW '0' AS AN ENTRY. HARD EDIT: NUMBER ENTERED IN SMQ470 MUST BE EQUAL OR LESS THAN SMQ460. IF '0', 'REFUSED' OR 'DON'T KNOW', GO TO END OF SECTION.**Target:** Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0	No one smokes inside the house	2922	2922	
1	1 household member smokes inside the house	1059	3981	
2	2 or more household members smoke inside the house	615	4596	
777	Refused	0	4596	
999	Don't know	0	4596	
.	Missing	10964	15560	