National Health and Nutrition Examination Survey

2017-March 2020 Data Documentation, Codebook, and Frequencies

Smoking - Cigarette Use (P_SMQ)

Data File: P_SMQ.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.

This smoking - cigarette use (prefix SMQ) data set provides a history of cigarette smoking, age at initiation, past 30-day use, time to first cigarette, cigarette type, and quit attempts. Since 1999, question content has varied, and some cycles have included questions on cigarette brand and on the use of other tobacco products. This data set combines only the questions that were in both the 2017-2018, and 2019- March 2020 cycles.

Eligible Sample

All participants aged 12 years and older in the NHANES 2017-March 2020 pre-pandemic sample were eligible. For participants aged 12-17, no proxy interviews were eligible.

Interview Setting and Mode of Administration

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 youth 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.

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. A variable, SMAQUEX was created as a flag to designate each interview mode and age group.

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 interview or examination sample weights in the demographic data file should be used to calculate estimates for this combined data file. 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.

Analysts are advised to carefully review skip patterns, and target ages for this question series, and to re-code or create new variables, as needed. Persons who are not asked a question due to a skip pattern are coded as missing ("."). Variables vary by target age; some are based on all ages 12+ years, others are only for youths 12-17 years. If skip patterns are not considered, estimates may be based on a portion rather than on the entire population. For example, to determine current cigarette smoking status (18+ years), combine the responses for the preliminary question (SMQ.020) on '100 cigarettes in lifetime,' with responses to the follow-up question on 'now smokes cigarette' (SMQ.040)'.

Related questions on cigarette and tobacco use are located in the SMQRTU, SMQFAM and SMQSHS data files. Biomarkers for tobacco exposure including serum cotinine, are found in NHANES laboratory data files.

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 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	3889	3889	
2	No	5799	9688	SMAQUEX2
7	Refused	2	9690	SMAQUEX2
9	Don't know	3	9693	SMAQUEX2
.	Missing	1444	11137	

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 76	Range of Values	3771	3771	
0	Never smoked cigarettes regularly	98	3869	
777	Refused	1	3870	
999	Don't know	19	3889	
.	Missing	7248	11137	

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	1306	1306	SMQ078
2	Some days	378	1684	SMD641
3	Not at all	2205	3889	
7	Refused	0	3889	SMAQUEX2
9	Don't know	0	3889	SMAQUEX2
.	Missing	7248	11137	

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 18 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 366	Range of Values	2062	2062	
66666	50 or more years	136	2198	
77777	Refused	0	2198	
99999	Don't know	7	2205	
.	Missing	8932	11137	

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 18 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Days	19	19	
2	Weeks	19	38	
3	Months	177	215	
4	Years	1847	2062	
7	Refused	0	2062	
9	Don't know	0	2062	
.	Missing	9075	11137	

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	2031	2031	
1	1 cigarette or less	154	2185	
95	95 cigarettes or more	5	2190	
777	Refused	0	2190	
999	Don't know	15	2205	
.	Missing	8932	11137	

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	332	332	
2	From 6 to 30 minutes	447	779	
3	From more than 30 minutes to one hour	255	1034	
4	From more than 1 hour to 2 hours	120	1154	
5	From more than 2 hours to 3 hours	69	1223	
6	From more than 3 hours to 4 hours	20	1243	
7	More than 4 hours	50	1293	
77	Refused	1	1294	
99	Don't know	1	1295	
.	Missing	9842	11137	

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	1738	1738	
77	Refused	1	1739	
99	Don't know	5	1744	
.	Missing	9393	11137	

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 60	Range of Values	1576	1576	
1	1 cigarette or less	103	1679	
95	95 cigarettes or more	1	1680	
777	Refused	1	1681	
999	Don't know	6	1687	
.	Missing	9450	11137	

SMD100FL - Cigarette Filter type

Variable Name: SMD100FL

SAS Label: Cigarette Filter type

English Text: Do you usually smoke filtered or non-filtered cigarettes?

Target: Both males and females 18 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0	Non-filtered	30	30	
1	Filtered	1556	1586	
7	Refused	0	1586	
9	Don't know	6	1592	
.	Missing	9545	11137	

SMD100MN - Cigarette Menthol indicator

Variable Name: SMD100MN

SAS Label: Cigarette Menthol indicator

English Text: Do you usually smoke menthol or non-menthol cigarettes?

Target: Both males and females 18 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
0	Non-menthol	807	807	
1	Menthol	783	1590	
7	Refused	0	1590	
9	Don't know	2	1592	
.	Missing	9545	11137	

SMQ670 - Tried to quit smoking

Variable Name: SMQ670

SAS Label: Tried to quit smoking

English Text: During the past 12 months, {have you/has SP} stopped smoking for longer than a day because {you were/he was/she was} trying to quit smoking?

Target: Both males and females 12 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	917	917	
2	No	789	1706	
7	Refused	0	1706	
9	Don't know	0	1706	
.	Missing	9431	11137	

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	1236	1236	SMAQUEX2
2	1 or more puffs but never a whole cigarette	72	1308	SMAQUEX2
3	1 cigarette	12	1320	
4	2 to 5 cigarettes	17	1337	
5	6 to 15 cigarettes	9	1346	
6	16 to 25 cigarettes	10	1356	
7	26 to 99 cigarettes	4	1360	
8	100 or more cigarettes	8	1368	
77	Refused	0	1368	SMAQUEX2
99	Don't know	2	1370	SMAQUEX2
.	Missing	9767	11137	

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?

Target: Both males and females 12 YEARS - 17 YEARS

Hard Edits: 6 to 19

Code or Value	Value Description	Count	Cumulative	Skip to Item
8 to 17	Range of Values	60	60	
6	6 years or less	0	60	
77	Refused	0	60	SMAQUEX2
99	Don't know	0	60	SMAQUEX2
.	Missing	11077	11137	

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)	9693	9693	
2	ACASI (12 - 17 Yrs)	1444	11137	
.	Missing	0	11137	