

National Health and Nutrition Examination Survey

2017-March 2020 Data Documentation, Codebook, and Frequencies

Blood Pressure & Cholesterol (P_BPQ)

Data File: P_BPQ.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 blood pressure and cholesterol file provides information on awareness, treatment, and control of high blood pressure and high cholesterol.

Eligible Sample

All participants, aged 16 years and older, in the NHANES 2017-March 2020 pre-pandemic sample are included in this dataset.

Interview Setting and Mode of Administration

The questionnaire was 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.

The NHANES [2017-2018](#) and [2019-2020](#) 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 audio-record interviews 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.

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 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 resulting 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.

Although the BPQ 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](#) 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 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	3597	3597	
2	No	6586	10183	BPQ080
7	Refused	0	10183	BPQ080
9	Don't know	12	10195	BPQ080
.	Missing	0	10195	

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	2876	2876	
2	No	706	3582	
7	Refused	0	3582	
9	Don't know	15	3597	
.	Missing	6598	10195	

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
13 to 79	Range of Values	3430	3430	
12	12 years or younger	22	3452	
80	80 years or older	40	3492	
777	Refused	1	3493	
999	Don't know	104	3597	
.	Missing	6598	10195	

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	3279	3279	
2	No	314	3593	BPQ080
7	Refused	1	3594	BPQ080
9	Don't know	3	3597	BPQ080
.	Missing	6598	10195	

BPQ050A - Now taking prescribed medicine for HBP

Variable Name: BPQ050A
SAS Label: Now taking prescribed medicine for HBP
English Text: {Are you/Is SP} now taking prescribed medicine?
Target: Both males and females 16 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	2786	2786	
2	No	493	3279	
7	Refused	0	3279	
9	Don't know	0	3279	
.	Missing	6916	10195	

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	3295	3295	BPQ070
2	No	6832	10127	
7	Refused	2	10129	
9	Don't know	66	10195	
.	Missing	0	10195	

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	4254	4254	
2	No	2305	6559	End of Section
7	Refused	1	6560	End of Section
9	Don't know	340	6900	End of Section
.	Missing	3295	10195	

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,	4627	4627	
2	1 year but less than 2 years ago,	1358	5985	
3	2 years but less than 5 years ago, or	1030	7015	
4	5 years or more?	500	7515	
7	Refused	0	7515	
9	Don't know	34	7549	
.	Missing	2646	10195	

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	2748	2748	
2	No	4778	7526	End of Section
7	Refused	1	7527	End of Section
9	Don't know	22	7549	End of Section
.	Missing	2646	10195	

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	2007	2007	
2	No	731	2738	
7	Refused	0	2738	
9	Don't know	10	2748	
.	Missing	7447	10195	