**Information on NHANES 2017-March 2020 Pre-pandemic**

<https://wwwn.cdc.gov/nchs/nhanes/continuousnhanes/default.aspx?cycle=2017-2020>

Information on the variables

**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

### 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** |
| --- | --- |
| 1 | Interviewed only |
| 2 | Both interviewed and MEC examined |
| . | Missing |

**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** |
| --- | --- |
| 1 | Male |
| 2 | Female |
|  |  |

**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** |
| --- | --- |
| 0 to 79 | Range of Values |
| 80 | 80 years of age and over |

**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** |
| --- | --- |
| 1 | Mexican American |
| 2 | Other Hispanic |
| 3 | Non-Hispanic White |
| 4 | Non-Hispanic Black |
| 5 | Other Race - Including Multi-Racial |
|  |  |

**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** |
| --- | --- |
| 1 | Mexican American |
| 2 | Other Hispanic |
| 3 | Non-Hispanic White |
| 4 | Non-Hispanic Black |
| 6 | Non-Hispanic Asian |
| 7 | Other Race - Including Multi-Racial |

**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** |
| --- | --- |
| 1 | Born in 50 US states or Washington, DC |
| 2 | Others |
| 77 | Refused |
| 99 | Don't Know |

### DMDYRUSZ - Length of time in US

**Variable Name:**

DMDYRUSZ

**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** |
| --- | --- |
| 1 | Less than 5 years |
| 2 | 5 years or more, but less than 15 years |
| 3 | 15 years or more, but less than 30 years |
| 4 | 30 years or more |
| 77 | Refused |
| 99 | Don't Know |
| . | Missing |

**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

| **Code or Value** | **Value Description** |
| --- | --- |
| 1 | Less than 9th grade |
| 2 | 9-11th grade (Includes 12th grade with no diploma) |
| 3 | High school graduate/GED or equivalent |
| 4 | Some college or AA degree |
| 5 | College graduate or above |
| 7 | Refused |
| 9 | Don't Know |

### DMDMARTZ - Marital status

**Variable Name:**

DMDMARTZ

**SAS Label:**

Marital status

**English Text:**

Marital status

**Target:**

Both males and females 20 YEARS - 150 YEARS

| **Code or Value** | **Value Description** |
| --- | --- |
| 1 | Married/Living with Partner |
| 2 | Widowed/Divorced/Separated |
| 3 | Never married |
| 77 | Refused |
| 99 | Don't Know |
| . | Missing |

### 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** |
| --- | --- |
| 0 to 4.98 | Range of Values |
| 5 | Value greater than or equal to 5.00 |
| . | Missing |

### HIQ011 - Covered by health insurance

**Variable Name:**

HIQ011

**SAS Label:**

Covered by health insurance

**English Text:**

{Are you/Is SP} covered by health insurance or some other kind of health care plan? [Include health insurance obtained through employment or purchased directly as well as government programs like Medicare and Medicaid that provide medical care or help pay medical bills.]

**Target:**

Both males and females 0 YEARS - 150 YEARS

| **Code or Value** | **Value Description** |
| --- | --- |
| 1 | Yes |
| 2 | No |
| 7 | Refused |
| 9 | Don't know |

### 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** |
| --- | --- |
| 11.9 to 92.3 | Range of Values |
| . | Missing |

### 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** |
| --- | --- |
| 1 | Yes |
| 2 | No |
| 7 | Refused |
| 9 | Don't know |
| . | Missing |

### 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** |
| --- | --- |
| 1 | Every day |
| 2 | Some days |
| 3 | Not at all |
| 7 | Refused |
| 9 | Don't know |
| . | Missing |

### ALQ111 - Ever had a drink of any kind of alcohol

**Variable Name:**

ALQ111

**SAS Label:**

Ever had a drink of any kind of alcohol

**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 {your/SP's} entire life, {have you/has he/has she} had at least 1 drink of any kind of alcohol, not counting small tastes or sips? By a drink, I mean a 12 oz. beer, a 5 oz. glass of wine, or one and a half ounces of liquor.

**English Instructions:**

HAND CARD ALQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** |
| --- | --- |
| 1 | Yes |
| 2 | No |
| 7 | Refused |
| 9 | Don't know |
| . | Missing |

### ALQ121 - Past 12 mo how often drink alcoholic bev

**Variable Name:**

ALQ121

**SAS Label:**

Past 12 mo how often drink alcoholic bev

**English Text:**

During the past 12 months, about 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:**

HAND CARD ALQ2

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** |
| --- | --- |
| 0 | Never in the last year |
| 1 | Every day |
| 2 | Nearly every day |
| 3 | 3 to 4 times a week |
| 4 | 2 times a week |
| 5 | Once a week |
| 6 | 2 to 3 times a month |
| 7 | Once a month |
| 8 | 7 to 11 times in the last year |
| 9 | 3 to 6 times in the last year |
| 10 | 1 to 2 times in the last year |
| 77 | Refused |
| 99 | Don't know |
| . | Missing |

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

**Variable Name:**

ALQ130

**SAS Label:**

Avg # alcoholic drinks/day - past 12 mos

**English Text:**

During the past 12 months, on those days that {you/SP} drank alcoholic beverages, on the average, how many drinks did {you/he/she} have? By a drink, I mean a 12 oz. beer, a 5 oz. glass of wine, or one and a half ounces of liquor.)

**English Instructions:**

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

**Target:**

Both males and females 18 YEARS - 150 YEARS

**Hard Edits:**

1 to 14

| **Code or Value** | **Value Description** |
| --- | --- |
| 1 to 13 | Range of Values |
| 15 | 15 drinks or more |
| 777 | Refused |
| 999 | Don't know |
| . | Missing |

### ALQ142 - # days have 4 or 5 drinks/past 12 mos

**Variable Name:**

ALQ142

**SAS Label:**

# days have 4 or 5 drinks/past 12 mos

**English Text:**

During the past 12 months, about how often 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:**

HAND CARD ALQ2 INTERVIEWER INSTRUCTION: IF SP ANSWERS NONE, PLEASE CODE '0', NEVER IN THE LAST YEAR. CAPI INSTRUCTION: IF SP = MALE, DISPLAY = 5 IF SP = FEMALE, DISPLAY = 4 HARD EDIT: ALQ142 CANNOT HAVE A LOWER CODED VALUE THAN ALQ121, UNLESS ALQ142 IS CODED '0'. ERROR MESSAGE: "SP HAS REPORTED DRINKING MORE TIMES IN THIS QUESTION THAN WAS PREVIOUSLY REPORTED IN ALQ121."

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** |
| --- | --- |
| 0 | Never in the last year |
| 1 | Every day |
| 2 | Nearly every day |
| 3 | 3 to 4 times a week |
| 4 | 2 times a week |
| 5 | Once a week |
| 6 | 2 to 3 times a month |
| 7 | Once a month |
| 8 | 7 to 11 times in the last year |
| 9 | 3 to 6 times in the last year |
| 10 | 1 to 2 times in the last year |
| 77 | Refused |
| 99 | Don't know |
| . | Missing |

### BPXOSY1 - Systolic - 1st oscillometric reading

**Variable Name:**

BPXOSY1

**SAS Label:**

Systolic - 1st oscillometric reading

**English Text:**

Systolic - 1st oscillometric reading

**Target:**

Both males and females 8 YEARS - 150 YEARS

| **Code or Value** | **Value Description** |
| --- | --- |
| 52 to 225 | Range of Values |
| . | Missing |

### BPXODI1 - Diastolic - 1st oscillometric reading

**Variable Name:**

BPXODI1

**SAS Label:**

Diastolic - 1st oscillometric reading

**English Text:**

Diastolic - 1st oscillometric reading

**Target:**

Both males and females 8 YEARS - 150 YEARS

| **Code or Value** | **Value Description** |
| --- | --- |
| 31 to 151 | Range of Values |
| . | Missing |

### 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** |
| --- | --- |
| 1 | Yes |
| 2 | No |
| 7 | Refused |
| 9 | Don't know |
| . | Missing |

**Depressive symptoms – measured using the Patient Health Questionnaire (PHQ)-9 (DPQ010-DPQ090)**

* **Each of the 9 items range from 0-3**
* **Sum the 9 items to make a total score that ranges from 0-27**
* **For the dichotomous variable (depression yes/no), total scores of 0-9 indicate no depression; total scores 10-27 indicate depression**

**For more information on the PHQ-9:**

[**https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1495268/**](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1495268/)

### DPQ010 - Have little interest in doing things

**Variable Name:**

DPQ010

**SAS Label:**

Have little interest in doing things

**English Text:**

Over the last 2 weeks, how often have you been bothered by the following problems: little interest or pleasure in doing things? Would you say...

**English Instructions:**

HAND CARD DPQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 | Not at all | 6166 | 6166 |  |
| 1 | Several days | 1372 | 7538 |  |
| 2 | More than half the days | 450 | 7988 |  |
| 3 | Nearly every day | 310 | 8298 |  |
| 7 | Refused | 4 | 8302 |  |
| 9 | Don't know | 6 | 8308 |  |
| . | Missing | 657 | 8965 |  |

### DPQ020 - Feeling down, depressed, or hopeless

**Variable Name:**

DPQ020

**SAS Label:**

Feeling down, depressed, or hopeless

**English Text:**

[Over the last 2 weeks, how often have you been bothered by the following problems:] feeling down, depressed, or hopeless?

**English Instructions:**

HAND CARD DPQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 | Not at all | 6187 | 6187 |  |
| 1 | Several days | 1456 | 7643 |  |
| 2 | More than half the days | 387 | 8030 |  |
| 3 | Nearly every day | 269 | 8299 |  |
| 7 | Refused | 2 | 8301 |  |
| 9 | Don't know | 5 | 8306 |  |
| . | Missing | 659 | 8965 |  |

### DPQ030 - Trouble sleeping or sleeping too much

**Variable Name:**

DPQ030

**SAS Label:**

Trouble sleeping or sleeping too much

**English Text:**

[Over the last 2 weeks, how often have you been bothered by the following problems:] trouble falling or staying asleep, or sleeping too much?

**English Instructions:**

HAND CARD DPQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 | Not at all | 5023 | 5023 |  |
| 1 | Several days | 1890 | 6913 |  |
| 2 | More than half the days | 621 | 7534 |  |
| 3 | Nearly every day | 764 | 8298 |  |
| 7 | Refused | 3 | 8301 |  |
| 9 | Don't know | 5 | 8306 |  |
| . | Missing | 659 | 8965 |  |

### DPQ040 - Feeling tired or having little energy

**Variable Name:**

DPQ040

**SAS Label:**

Feeling tired or having little energy

**English Text:**

[Over the last 2 weeks, how often have you been bothered by the following problems:] feeling tired or having little energy?

**English Instructions:**

HAND CARD DPQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 | Not at all | 4164 | 4164 |  |
| 1 | Several days | 2682 | 6846 |  |
| 2 | More than half the days | 754 | 7600 |  |
| 3 | Nearly every day | 697 | 8297 |  |
| 7 | Refused | 4 | 8301 |  |
| 9 | Don't know | 4 | 8305 |  |
| . | Missing | 660 | 8965 |  |

### DPQ050 - Poor appetite or overeating

**Variable Name:**

DPQ050

**SAS Label:**

Poor appetite or overeating

**English Text:**

[Over the last 2 weeks, how often have you been bothered by the following problems:] poor appetite or overeating?

**English Instructions:**

HAND CARD DPQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 | Not at all | 6165 | 6165 |  |
| 1 | Several days | 1293 | 7458 |  |
| 2 | More than half the days | 464 | 7922 |  |
| 3 | Nearly every day | 377 | 8299 |  |
| 7 | Refused | 2 | 8301 |  |
| 9 | Don't know | 4 | 8305 |  |
| . | Missing | 660 | 8965 |  |

### DPQ060 - Feeling bad about yourself

**Variable Name:**

DPQ060

**SAS Label:**

Feeling bad about yourself

**English Text:**

[Over the last 2 weeks, how often have you been bothered by the following problems:] feeling bad about yourself - or that you are a failure or have let yourself or your family down?

**English Instructions:**

HAND CARD DPQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 | Not at all | 6881 | 6881 |  |
| 1 | Several days | 968 | 7849 |  |
| 2 | More than half the days | 239 | 8088 |  |
| 3 | Nearly every day | 207 | 8295 |  |
| 7 | Refused | 3 | 8298 |  |
| 9 | Don't know | 6 | 8304 |  |
| . | Missing | 661 | 8965 |  |

### DPQ070 - Trouble concentrating on things

**Variable Name:**

DPQ070

**SAS Label:**

Trouble concentrating on things

**English Text:**

[Over the last 2 weeks, how often have you been bothered by the following problems:] trouble concentrating on things, such as reading the newspaper or watching TV?

**English Instructions:**

HAND CARD DPQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 | Not at all | 6862 | 6862 |  |
| 1 | Several days | 892 | 7754 |  |
| 2 | More than half the days | 254 | 8008 |  |
| 3 | Nearly every day | 291 | 8299 |  |
| 7 | Refused | 2 | 8301 |  |
| 9 | Don't know | 3 | 8304 |  |
| . | Missing | 661 | 8965 |  |

### DPQ080 - Moving or speaking slowly or too fast

**Variable Name:**

DPQ080

**SAS Label:**

Moving or speaking slowly or too fast

**English Text:**

[Over the last 2 weeks, how often have you been bothered by the following problems:] moving or speaking so slowly that other people could have noticed? Or the opposite - being so fidgety or restless that you have been moving around a lot more than usual?

**English Instructions:**

HAND CARD DPQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 | Not at all | 7422 | 7422 |  |
| 1 | Several days | 531 | 7953 |  |
| 2 | More than half the days | 196 | 8149 |  |
| 3 | Nearly every day | 148 | 8297 |  |
| 7 | Refused | 2 | 8299 |  |
| 9 | Don't know | 5 | 8304 |  |
| . | Missing | 661 | 8965 |  |

### DPQ090 - Thoughts you would be better off dead

**Variable Name:**

DPQ090

**SAS Label:**

Thoughts you would be better off dead

**English Text:**

[Over the last 2 weeks, how often have you been bothered by the following problems:] Thoughts that you would be better off dead or of hurting yourself in some way?

**English Instructions:**

HAND CARD DPQ1

**Target:**

Both males and females 18 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 0 | Not at all | 7976 | 7976 |  |
| 1 | Several days | 233 | 8209 |  |
| 2 | More than half the days | 51 | 8260 |  |
| 3 | Nearly every day | 36 | 8296 |  |
| 7 | Refused | 2 | 8298 |  |
| 9 | Don't know | 4 | 8302 |  |
| . | Missing | 663 | 8965 |  |