Component Description

The dermatology questionnaire section (variable name prefix DEQ) provides personal interview data on sun exposure and sun protective behavior.

Eligible Sample

The target group for this questionnaire section is participants aged 20-59 years.

Interview Setting and Mode of Administration

The Dermatology questionnaire was asked, in the home, by trained interviewers 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

Frequency counts were verified during the preparation of the file.

Analytic Notes

Responses to questions on time spent outside on work or school days (DEQ120) and on days not at work or at school (DEQ125) were collected in either hours or minutes. For data release purposes all responses were converted to minutes. If participants indicated that they did not spend any time outdoors then their values for these questions were set to zero. The corresponding description in the codebook is “no time spent outdoors”. Values of 1-14 minutes were grouped into one category. The code “3333” was set for participants who reported “does not work or go to school” to DEQ120 or “at work or at school 9 to 5 seven days a week” to DEQ125. These variables were then renamed DED120 and DED125 for release, respectively.

Responses to question DEQ038Q, “How many times in the past year have you had a sunburn?” with values of 20 or more combined into one category.

Analysts should be aware that some questions may have very few responses for. Even with two years of data collection, there may not be sufficient sample size for such variables to be analytically useful. In these cases, it may be necessary to combine more than two years of data to conduct analysis. The dermatology questionnaire has been in NHANES since 1999. The questions asked in a given 2-year cycle were sometimes modified to focus on different dermatologic topics. In 2007-08 the dermatology section was modified to focus more on sun exposure and sun protective behavior, etc. The 2013-14 dermatology section is identical to that used from 2011-12.

Most, but not all dermatology data is available publically. Data collection for the 2007-08 dermatology questionnaire did not start at the beginning of the year 2007. Therefore, due to sample size and other disclosure concerns, 2007-08 data for this component are not available publically. It is, however, available as a limited access file through the [NCHS Research Data Center (RDC)](https://www.cdc.gov/rdc/). Researchers interested in using dermatology data from 2007-08 should refer to the [RDC website](https://www.cdc.gov/rdc/) for more information.

Although dermatology 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](https://wwwn.cdc.gov/nchs/data/nhanes/2011-2012/analytic_guidelines_11_12.pdf) and the on-line [NHANES Tutorial](https://www.cdc.gov/nchs/tutorials/) 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 20 YEARS - 59 YEARS

DED031 - Skin reaction to sun after non-exposure

**Variable Name:**

DED031

**SAS Label:**

Skin reaction to sun after non-exposure

**English Text:**

If after several months of not being in the sun, {you/SP} then went out in the sun without sunscreen or protective clothing for a half hour, which one of these would happen to {your/his/her} skin?

**English Instructions:**

HAND CARD DEQ2

**Target:**

Both males and females 20 YEARS - 59 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Get a severe sunburn with blisters | 69 | 69 |  |
| 2 | A severe sunburn for a few days with peeling | 302 | 371 |  |
| 3 | Mildly burned with some tanning | 993 | 1364 |  |
| 4 | Turning darker without a sunburn | 937 | 2301 |  |
| 5 | Nothing would happen in half an hour | 1585 | 3886 |  |
| 6 | Other | 35 | 3921 |  |
| 77 | Refused | 1 | 3922 |  |
| 99 | Don't know | 5 | 3927 |  |
| . | Missing | 1 | 3928 |  |

DEQ034A - Stay in the shade?

**Variable Name:**

DEQ034A

**SAS Label:**

Stay in the shade?

**English Text:**

When {you go/SP goes} outside on a very sunny day, for more than one hour, how often {do you/does SP} Stay in the shade?

**English Instructions:**

HAND CARD DEQ2A

**Target:**

Both males and females 20 YEARS - 59 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Always | 392 | 392 |  |
| 2 | Most of the time | 986 | 1378 |  |
| 3 | Sometimes | 1561 | 2939 |  |
| 4 | Rarely, or | 569 | 3508 |  |
| 5 | Never? | 372 | 3880 |  |
| 6 | Don't go out in the sun | 46 | 3926 | DEQ038G |
| 77 | Refused | 0 | 3926 |  |
| 99 | Don't know | 1 | 3927 |  |
| . | Missing | 1 | 3928 |  |

DEQ034C - Wear a long sleeved shirt

**Variable Name:**

DEQ034C

**SAS Label:**

Wear a long sleeved shirt

**English Text:**

Wear a long sleeved shirt? Would you say . . .

**English Instructions:**

HAND CARD DEQ2A

**Target:**

Both males and females 20 YEARS - 59 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Always | 193 | 193 |  |
| 2 | Most of the time | 234 | 427 |  |
| 3 | Sometimes | 836 | 1263 |  |
| 4 | Rarely, or | 765 | 2028 |  |
| 5 | Never? | 1853 | 3881 |  |
| 7 | Refused | 0 | 3881 |  |
| 9 | Don't know | 0 | 3881 |  |
| . | Missing | 47 | 3928 |  |

DEQ034D - Use sunscreen?

**Variable Name:**

DEQ034D

**SAS Label:**

Use sunscreen?

**English Text:**

Use sunscreen? Would you say . . .

**English Instructions:**

HAND CARD DEQ2A

**Target:**

Both males and females 20 YEARS - 59 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Always | 483 | 483 |  |
| 2 | Most of the time | 481 | 964 |  |
| 3 | Sometimes | 760 | 1724 |  |
| 4 | Rarely, or | 546 | 2270 |  |
| 5 | Never? | 1610 | 3880 | DEQ038G |
| 7 | Refused | 0 | 3880 | DEQ038G |
| 9 | Don't know | 1 | 3881 | DEQ038G |
| . | Missing | 47 | 3928 |  |

DEQ038G - In past yr did you have sunburn?

**Variable Name:**

DEQ038G

**SAS Label:**

In past yr did you have sunburn?

**English Text:**

How many times in the past year {have you/has SP} had a sunburn?

**English Instructions:**

GATE QUESTION CAPI INSTRUCTION: BUILD HARD EDITS 1-365.

**Target:**

Both males and females 20 YEARS - 59 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Enter number | 1408 | 1408 |  |
| 2 | Never | 2509 | 3917 |  |
| 7 | Refused | 0 | 3917 |  |
| 9 | Don't know | 10 | 3927 |  |
| . | Missing | 1 | 3928 |  |

DEQ038Q - # of times in past yr you had a sunburn

**Variable Name:**

DEQ038Q

**SAS Label:**

# of times in past yr you had a sunburn

**English Text:**

How many times in the past year {have you/has SP} had a sunburn?

**English Instructions:**

ENTER NUMBER OF TIMES

**Target:**

Both males and females 20 YEARS - 59 YEARS

**Hard Edits:**

1 to 19

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 to 15 | Range of Values | 1399 | 1399 |  |
| 20 | 20 or more times | 9 | 1408 |  |
| 77777 | Refused | 0 | 1408 |  |
| 99999 | Don't know | 0 | 1408 |  |
| . | Missing | 2520 | 3928 |  |

DED120 - Minutes outdoors 9am - 5pm work day

**Variable Name:**

DED120

**SAS Label:**

Minutes outdoors 9am - 5pm work day

**English Text:**

The next questions ask about the time you spent outdoors during the past 30 days. By outdoors, I mean outside and not under any shade. How much time did you usually spend outdoors between 9 in the morning and 5 in the afternoon on the days that you worked or went to school?

**English Instructions:**

ENTER NUMBER OF MINUTES

**Target:**

Both males and females 20 YEARS - 59 YEARS

**Hard Edits:**

0 to 480

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 15 to 480 | Range of Values | 2022 | 2022 |  |
| 0 | No time spent outdoors | 1264 | 3286 |  |
| 14 | 1-14 minutes | 81 | 3367 |  |
| 3333 | Does not work or go to school | 555 | 3922 |  |
| 7777 | Refused | 0 | 3922 |  |
| 9999 | Don't Know | 2 | 3924 |  |
| . | Missing | 4 | 3928 |  |

DED125 - Minutes outdoors 9am - 5pm not work day

**Variable Name:**

DED125

**SAS Label:**

Minutes outdoors 9am - 5pm not work day

**English Text:**

During the past 30 days, how much time did you usually spend outdoors between 9 in the morning and 5 in the afternoon on the days when you were not working or going to school?

**English Instructions:**

ENTER NUMBER OF MINUTES

**Target:**

Both males and females 20 YEARS - 59 YEARS

**Hard Edits:**

0 to 480

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 15 to 480 | Range of Values | 3220 | 3220 |  |
| 0 | No time spent outdoors | 644 | 3864 |  |
| 14 | 1-14 minutes | 47 | 3911 |  |
| 3333 | At work or at school 9 to 5 seven days a week | 9 | 3920 |  |
| 7777 | Refused | 0 | 3920 |  |
| 9999 | Don't Know | 4 | 3924 |  |
| . | Missing | 4 | 3928 |  |