Component Description

The Cardiovascular Disease and Health section (variable name prefix CDQ) provides participant level interview data on evaluating cardiovascular health and includes questions to assess the presence of angina pectoris as defined by the Rose1 questionnaire.

Eligible Sample

All participants aged 40 years and older were asked to respond to this section.

Interview Setting and Mode of Administration

These questions were asked before the physical examination, in the home, using the Computer-Assisted Personal Interviewing (CAPI) (interviewer administered) 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

Edits were made to ensure the completeness, consistency, and analytic usefulness of the data.

Analytic Notes

The variables in this section are comparable to the CDQ variables released for 2001-2002 through 2013-2014. Other than question CDQ010, these questions are not comparable to the CDQ questions for NHANES 1999-2000, which focused on symptoms related to congestive heart failure.

Rose questionnaire criteria1:

**Grade 1 Angina** is defined as CDQ001 = 1 and CDQ002 = 1 (but CDQ003 ≠ 1) and CDQ004 = 1 and CDQ005 = 1 and CDQ006 = 1, plus either (CDQ009D = 4 or CDQ009E = 5) or (CDQ009F = 6 and CDQ009G = 7).   
**Grade 2 Angina** is defined as CDQ001 = 1 and CDQ002 = 1 and CDQ003 = 1 and CDQ004 = 1 and CDQ005 = 1 and CDQ006 = 1, plus either (CDQ009D = 4 or CDQ009E = 5) or (CDQ009F = 6 and CDQ009G = 7).

**Changes Since 2011-2012:**There were no questionnaire changes for 2013-2014.

Although these 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/nhanes/analyticguidelines.aspx) 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.

References

* 1Rose GA, Blackburn H. Cardiovascular survey methods. World Health Organization Monograph 1968; 56: 1-188

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 40 YEARS - 150 YEARS

CDQ001 - SP ever had pain or discomfort in chest

**Variable Name:**

CDQ001

**SAS Label:**

SP ever had pain or discomfort in chest

**English Text:**

{Have you/Has SP} ever had any pain or discomfort in {your/her/his} chest?

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Yes | 879 | 879 |  |
| 2 | No | 2934 | 3813 | CDQ010 |
| 7 | Refused | 0 | 3813 | CDQ010 |
| 9 | Don't know | 2 | 3815 | CDQ010 |
| . | Missing | 0 | 3815 |  |

CDQ002 - SP get it walking uphill or in a hurry

**Variable Name:**

CDQ002

**SAS Label:**

SP get it walking uphill or in a hurry

**English Text:**

{Do you/Does she/Does he} get it when {you/she/he} walk uphill or hurry?

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Yes | 241 | 241 |  |
| 2 | No | 591 | 832 | CDQ008 |
| 3 | Never walks uphill or hurries | 42 | 874 |  |
| 7 | Refused | 0 | 874 | CDQ008 |
| 9 | Don't know | 5 | 879 | CDQ008 |
| . | Missing | 2936 | 3815 |  |

CDQ003 - During an ordinary pace on level ground

**Variable Name:**

CDQ003

**SAS Label:**

During an ordinary pace on level ground

**English Text:**

{Do you/Does she/Does he} get it when {you/she/he} walk at an ordinary pace on level ground?

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Yes | 111 | 111 |  |
| 2 | No | 171 | 282 |  |
| 7 | Refused | 0 | 282 |  |
| 9 | Don't know | 1 | 283 |  |
| . | Missing | 3532 | 3815 |  |

CDQ003A - CHECK ITEM

**Variable Name:**

CDQ003A

**English Instructions:**

BOX 1. CHECK ITEM CDQ.003A. IF 'YES' (CODE '1') IN CDQ.002 OR CDQ.003, CONTINUE. OTHERWISE, GO TO CDQ.008.

**Target:**

Both males and females 40 YEARS - 150 YEARS

CDQ004 - If so does SP continue or slow down

**Variable Name:**

CDQ004

**SAS Label:**

If so does SP continue or slow down

**English Text:**

What {do you/does she/does he} do if {you/she/he} get it while {you/she/he} are walking? {Do you/Does she/Does he} stop or slow down or continue at the same pace?

**English Instructions:**

CHECK "STOP OR SLOW DOWN" IF SP CARRIES ON AFTER TAKING NITROGLYCERINE.

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Stop or slow down | 229 | 229 |  |
| 2 | Continue at the same pace | 23 | 252 | CDQ008 |
| 7 | Refused | 0 | 252 | CDQ008 |
| 9 | Don't know | 1 | 253 | CDQ008 |
| . | Missing | 3562 | 3815 |  |

CDQ005 - Does standing relieve pain/discomfort

**Variable Name:**

CDQ005

**SAS Label:**

Does standing relieve pain/discomfort

**English Text:**

If {you/she/he} stand still, what happens to it? Is the pain or discomfort relieved or not relieved?

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Relieved | 196 | 196 |  |
| 2 | Not Relieved | 31 | 227 | CDQ008 |
| 7 | Refused | 0 | 227 | CDQ008 |
| 9 | Don't know | 2 | 229 | CDQ008 |
| . | Missing | 3586 | 3815 |  |

CDQ006 - How soon is the pain relieved

**Variable Name:**

CDQ006

**SAS Label:**

How soon is the pain relieved

**English Text:**

How soon is the pain relieved? Would you say...

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | 10 minutes or less | 161 | 161 |  |
| 2 | More than 10 minutes | 35 | 196 | CDQ008 |
| 7 | Refused | 0 | 196 | CDQ008 |
| 9 | Don't know | 0 | 196 | CDQ008 |
| . | Missing | 3619 | 3815 |  |

CDQ009A - Pain in right arm

**Variable Name:**

CDQ009A

**SAS Label:**

Pain in right arm

**English Text:**

Please look at this card and show me where the pain or discomfort is located.

**English Instructions:**

CODE ALL THAT APPLY. PROBE FOR ADDITIONAL AREAS. HAND CARD CDQ1.

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Pain in right arm | 10 | 10 |  |
| 77 | Refused | 1 | 11 |  |
| 99 | Don't know | 3 | 14 |  |
| . | Missing | 3801 | 3815 |  |

CDQ009B - Pain in right chest

**Variable Name:**

CDQ009B

**SAS Label:**

Pain in right chest

**English Text:**

Please look at this card and show me where the pain or discomfort is located.

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 2 | Pain in right chest | 26 | 26 |  |
| . | Missing | 3789 | 3815 |  |

CDQ009C - Pain in neck

**Variable Name:**

CDQ009C

**SAS Label:**

Pain in neck

**English Text:**

Please look at this card and show me where the pain or discomfort is located.

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 3 | Pain in neck | 29 | 29 |  |
| . | Missing | 3786 | 3815 |  |

CDQ009D - Pain in upper sternum

**Variable Name:**

CDQ009D

**SAS Label:**

Pain in upper sternum

**English Text:**

Please look at this card and show me where the pain or discomfort is located.

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 4 | Pain in upper sternum | 80 | 80 |  |
| . | Missing | 3735 | 3815 |  |

CDQ009E - Pain in lower sternum

**Variable Name:**

CDQ009E

**SAS Label:**

Pain in lower sternum

**English Text:**

Please look at this card and show me where the pain or discomfort is located.

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 5 | Pain in lower sternum | 36 | 36 |  |
| . | Missing | 3779 | 3815 |  |

CDQ009F - Pain in left chest

**Variable Name:**

CDQ009F

**SAS Label:**

Pain in left chest

**English Text:**

Please look at this card and show me where the pain or discomfort is located.

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 6 | Pain in left chest | 52 | 52 |  |
| . | Missing | 3763 | 3815 |  |

CDQ009G - Pain in left arm

**Variable Name:**

CDQ009G

**SAS Label:**

Pain in left arm

**English Text:**

Please look at this card and show me where the pain or discomfort is located.

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 7 | Pain in left arm | 8 | 8 |  |
| . | Missing | 3807 | 3815 |  |

CDQ009H - Pain in epigastric area

**Variable Name:**

CDQ009H

**SAS Label:**

Pain in epigastric area

**English Text:**

Please look at this card and show me where the pain or discomfort is located.

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 8 | Pain in epigastric area | 3 | 3 |  |
| . | Missing | 3812 | 3815 |  |

CDQ008 - Severe pain in chest more than half hour

**Variable Name:**

CDQ008

**SAS Label:**

Severe pain in chest more than half hour

**English Text:**

Have {you/she/he} ever had a severe pain across the front of {your/her/his} chest lasting for half an hour or more?

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Yes | 235 | 235 |  |
| 2 | No | 642 | 877 |  |
| 7 | Refused | 0 | 877 |  |
| 9 | Don't know | 2 | 879 |  |
| . | Missing | 2936 | 3815 |  |

CDQ010 - Shortness of breath on stairs/inclines

**Variable Name:**

CDQ010

**SAS Label:**

Shortness of breath on stairs/inclines

**English Text:**

{Have you/Has SP} had shortness of breath either when hurrying on the level or walking up a slight hill?

**Target:**

Both males and females 40 YEARS - 150 YEARS

| **Code or Value** | **Value Description** | **Count** | **Cumulative** | **Skip to Item** |
| --- | --- | --- | --- | --- |
| 1 | Yes | 1139 | 1139 |  |
| 2 | No | 2668 | 3807 |  |
| 7 | Refused | 1 | 3808 |  |
| 9 | Don't know | 7 | 3815 |  |
| . | Missing | 0 | 3815 |  |