National Health and Nutrition Examination Survey 2005–2006

Documentation, Codebook, and Frequencies

Respiratory Disease

Questionnaire

Survey Years:
2005 to 2006

SAS Transport File:
RDQ_D.XPT

nhanes

December 2007

NHANES 2005–2006 Data Documentation

Questionnaire Section: Respiratory Disease (RDQ_D)

First Published: December 2007   **Last Revised:** NA

Component Description

The Respiratory Disease Section (prefix RDQ) provides interview data for respiratory symptoms that may be related to bronchitis or asthma. The symptoms profiled include cough, phlegm production, and wheezing. Data is also collected on trigger factors for these symptoms, for medical treatment and for related functional impairments.

Topics:

• History Cough and Phlegm Production (RDQ031-RDQ060)

12 Month Period Prevalence of:
- Wheezing (RDQ070)
- Frequency of Wheezing Episodes (RDQ080)
- Sleep Disturbance Due to Wheezing (RDQ090)
- Wheezing With Exercise (RDQ100)
- Number of Doctor, Hospital or Emergency Room Visits for Wheezing (RDQ120)
- Prescription Medication Taken For Wheezing (RDQ134)
- Limitation of Usual Activities Due to Wheezing (RDQ135)
- Number of Days of Work/School Missed Due to Wheezing (RDQ137)
- Dry Nocturnal Cough (RDQ140)

Eligible Sample

Questions regarding a history of cough and phlegm production were administered to Survey Participants ages 40 years and above, except for RDQ140 (History of Dry Nocturnal Cough) which was administered to Survey Participants 1+ years.

Questions regarding a history of wheezing were administered to Survey Participants ages 1+ years, except for RDQ137, which was administered to Survey Participants ages 6 to 69 years. The question series RDQ120 through RDQ137 was administered to all participants with a history of wheezing.

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.

The Interviewer Procedure Manual and the text document for the NHANES 2005-2006 RDQ survey questionnaire are available on the NHANES website.

Quality Assurance & Quality Control

For details on the QA/QC process for this component, please refer to the Interviewer Procedure Manual.

Data Processing and Editing

Data editing is documented in the RDQ Section Codebook.

Analytic Notes

These data were collected as part of the NHANES Household Questionnaire Interview. NHANES Household Interview weights should be used if only questionnaire data is analyzed. However, if RDQ questionnaire data is merged with the MEC examination data, then NHANES MEC examination sample weights should be used for the analyses.

Current NHANES questionnaire data collection relating to respiratory symptoms is based on prior NHANES surveys as well as validated survey instruments. It is recommended that data analysts be familiar with current practice and issues in the epidemiologic investigation of respiratory disease.[1,2,3,4]

Related NHANES 2001-2002 Questionnaire Datasets:

Medical Conditions (MCQ) contains questionnaire data on a history of a previous medical diagnosis of respiratory disease (asthma, chronic bronchitis, emphysema), age at onset of disease, and family history of asthma.

Physical Functioning (PFQ) contains data on functional physical limitations as well information on the type of health problems (including respiratory disease) causing the difficulty.

Cardiovascular Disease (CDQ) contains data for dyspnea (shortness of breath) on exertion for adults ages 40+.

Smoking (SMQ) contains data on past history of smoking.

Occupation (OCQ) includes data on current and longest occupation, as well as identification of a Survey Participants exposure to second-hand smoke in their current job (OCQ290G/Q).

Prescription Medications (RXQ) contains data on all prescription medications currently taken.

Please refer to the NHANES Analytic Guidelines for further details on the use of sample weights and other analytic issues.The Analytic Guidelines are available on the NHANES website.

References

1. Pierce N, Beasley R, Burgess C, Crane J. Asthma Epidemiology: Principles and Methods. 1998. New York: Oxford University Press.
2. Halbert RJ, Isonaka S, George D, Iqbal A. Interpreting COPD prevalence estimates: what is the true burden of disease? Chest. 2005; 123:1684-92.
3. Celli BR, Halbert RJ, Isonaka S, Schau B. Population impact of different definitions of airway obstruction. Eur Respir J. 2005; 22:268-73.
4. Pauwels RA, Buist AS, Calverley PM, Jenkins CR, Hurd SS; GOLD Scientific Committee. Global strategy for the diagnosis, management, and prevention of chronic obstructive pulmonary disease. NHLBI/WHO Global Initiative for Chronic Obstructive Lung Disease (GOLD) Workshop summary. Am J Respir Crit Care Med. 2001; 163:1256-76.

NCHS Locator Fields

Title: Respiratory Disease (RDQ_D)
Contact Number: 1-866-441-NCHS
Years of Content: 2005–2006
First Published: December 2007
Revised: NA
Access Constraints: None
Use Constraints: None
Geographic Coverage: National
Subject: NHANES respiratory disease symptom questionnaire data, including bronchitis, asthma, coughing and wheezing
Record Source: NHANES 2005–2006
Survey Methodology: NHANES 2005–2006 is a stratified multistage probability sample of the civilian non-institutionalized population of the U.S.
Medium: NHANES Web site; Sybase relational database, SAS datasets

National Health and Nutrition Examination Survey
Codebook for Data Production (2005-2006)

Questionnaire Section:
Respiratory Disease (RDQ_D)

December 2007

SEQN	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
	Respondent sequence number

English Text: Respondent sequence number.

English Instructions:

RDQ005A	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
	CHECK ITEM

English Text: CHECK ITEM

English Instructions: IF AGE < 40 YEARS, GO TO RDQ070. OTHERWISE, CONTINUE.

RDQ031	Target
	B(40 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
	Coughing most days - over 3 mo period

English Text: {Do you/Does SP} usually cough on most days for 3 consecutive months or more during the year?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	353	353	
2	No	2697	3050	RDQ050
7	Refused	0	3050	RDQ050
9	Don't know	5	3055	RDQ050
.	Missing	6767	9822	

RDD040	Target			
	B(40 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	# years had cough problem			

English Text: For how many years {have you/has SP} had this cough?

English Instructions: ENTER NUMBER OF YEARS. IF LESS THAN 1 YEAR, ENTER 1; IF 70 OR MORE YEARS ENTER 70

Code or Value	Description	Count	Cumulative	Skip to Item
1 to 65	Range of Values	337	337	
70	70 or more	2	339	
77777	Refused	0	339	
99999	Don't know	14	353	
.	Missing	9469	9822	

RDQ050	Target			
	B(40 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Bring up phlegm most days - 3 mo period			

English Text: {Do you/Does SP} bring up phlegm on most days for 3 consecutive months or more during the year?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	329	329	
2	No	2722	3051	RDQ070
7	Refused	0	3051	RDQ070
9	Don't know	4	3055	RDQ070
.	Missing	6767	9822	

RDD060	Target			
	B(40 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	# years bringing up phlegm problem			
English Text: For how many years, {have you/has SP} had trouble with phlegm?				
English Instructions: ENTER NUMBER OF YEARS. IF LESS THAN 1 YEAR, ENTER 1; IF 70 OR MORE YEARS ENTER 70				

Code or Value	Description	Count	Cumulative	Skip to Item
1 to 65	Range of Values	319	319	
70	70 or more	2	321	
77777	Refused	0	321	
99999	Don't know	8	329	
.	Missing	9493	9822	

RDQ070	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Wheezing or whistling in chest - past yr			
English Text: In the past 12 months {have you/has SP} had wheezing or whistling in {your/his/her} chest?				
English Instructions:				

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	1330	1330	
2	No	8486	9816	RDQ140
7	Refused	0	9816	RDQ140
9	Don't know	6	9822	RDQ140
.	Missing	0	9822	

RDQ080	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
1 to 12	# wheezing/whistling attacks past year

English Text: [In the past 12 months], how many attacks of wheezing or whistling {have you/has SP} had?

English Instructions: IF 12 OR MORE EPISODES, ENTER 12; ENTER NUMBER OF EPISODES.

Code or Value	Description	Count	Cumulative	Skip to Item
1 to 12	Range of Values	1304	1304	
7777	Refused	0	1304	
9999	Don't know	26	1330	
.	Missing	8492	9822	

RDQ090	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
	Wheezing disturb sleep in past year

English Text: [In the past 12 months], how often, on average, has {your/SP's} sleep been disturbed because of wheezing? Would you say this happens . . .

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	Never,	634	634	
1	1 or more nights per week, or	328	962	
2	Less than 1 night per week?	367	1329	
7	Refused	0	1329	
9	Don't know	1	1330	
.	Missing	8492	9822	

RDQ100	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Chest sound wheezy during exercise			

English Text: [In the past 12 months], has {your/SP's} chest sounded wheezy during or after exercise or physical activity?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	650	650	
2	No	674	1324	
7	Refused	0	1324	
9	Don't know	6	1330	
.	Missing	8492	9822	

RDD120	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Got medical attentn for wheezing attack			

English Text: [In the past 12 months], how many times {have you/has SP} gone to the doctor's office or the hospital emergency room for one or more of these attacks of wheezing or whistling?

English Instructions: ENTER NUMBER. IF NEVER, ENTER 0;IF 20 OR MORE MONTHS ENTER 20.

Code or Value	Description	Count	Cumulative	Skip to Item
0 to 18	Range of Values	1328	1328	
20	20 or more	2	1330	
7777	Refused	0	1330	
9999	Don't know	0	1330	
.	Missing	8492	9822	

RDQ134	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Doctor prescribe wheezing medication			

English Text: (In the past 12 months), (have you/has SP) taken medication, prescribed by a doctor, for wheezing or whistling?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	824	824	
2	No	505	1329	
7	Refused	0	1329	
9	Don't know	1	1330	
.	Missing	8492	9822	

RDQ135	Target			
	B(1 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Limit usual activities due to wheezing			

English Text: During the past 12 months, how much did {you/SP} limit {your/his/her} usual activities due to wheezing or whistling? Would you say…

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Not at all,	778	778	
2	A little,	329	1107	
3	A fair amount,	110	1217	
4	A moderate amount, or	47	1264	
5	A lot?	66	1330	
7	Refused	0	1330	
9	Don't know	0	1330	
.	Missing	8492	9822	

RDQ136	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
	CHECK ITEM

English Text: CHECK ITEM

English Instructions: BOX 4. CHECK ITEM RDQ136: IF AGE BETWEEN 6 AND 69 YEARS THEN CONTINUE. OTHERWISE, GO TO RDQ140.

RDQ137	Target
	B(6 Yrs. to 69 Yrs.)
Hard Edits	**SAS Label**
	Miss work or school due to wheezing

English Text: During the past 12 months, how many days of work or school did {you/SP} miss due to wheezing or whistling?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	None	728	728	
1	1 to 7	214	942	
2	8 to 30	42	984	
3	31 plus	9	993	
7	Refused	0	993	
9	Don't know	0	993	
.	Missing	8829	9822	

RDQ140	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
	Had dry cough at night in past year

English Text: [In the past 12 months], {have you/has SP} had a dry cough at night not counting a cough associated with a cold or chest infection lasting 14 days or more?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	431	431	
2	No	9387	9818	
7	Refused	0	9818	
9	Don't know	4	9822	
.	Missing	0	9822	