

National Health and Nutrition Examination Survey 2003-2004

Documentation, Codebook, and Frequencies

SP Questionnaire Component:
Respiratory Health and Disease
Questionnaire Data

Survey Years:
2003 to 2004

SAS Export File:
RHQ_C.XPT



January 2006

NHANES 2003–2004 Data Documentation

Questionnaire Section: Sample Person Questionnaire

Respiratory Health and Disease (RDQ_C)

Years of Coverage: 2003–2004

First Published: January 2006

Last Revised: N/A

Component Description

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

Topics:

- History Cough and Phlegm Production (RDQ031---RDD060)

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 use 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 12 years and above, except for RDQ140 (History of Dry Nocturnal Cough) which was administered to Survey Participants of all ages.

Questions regarding a history of wheezing were administered to Survey Participants of all ages except for RDQ137 which was administered to Survey Participants ages 6 to 69 years. In NHANES 1999-2002, the question series RDQ120 through RDQ 137 were administered only to Survey Participants with a history of more severe asthma (a history of recent sleep disturbance due to wheezing plus a history of recent exercise associated wheezing). However, in NHANES 2003-2004 the question series RDQ120 through RDQ137 was administered to all participants with a history of wheezing.

**Interview
Setting and
Mode of
Administration**

Household Interview

The Interviewer Procedure Manual and the text document for the NHANES 2003-2004 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 (for example “top coding” of continuous variables) is documented in the RDQ Section Codebook.

**Analytic
Notes**

These data were collected as part of the NHANES Household Questionnaire Interview and interview weights should be used if only questionnaire data is analyzed. If RDQ data is merged with the MEC examination data, however, then 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). Also, for Survey Participants whose asthma began as an adult, the type of employment is recorded (OCQ470-480).

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.

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. 2003; 123:1684-92.
3. Celli BR, Halbert RJ, Isonaka S, Schau B. Population impact of different definitions of airway obstruction. Eur Respir J. 2003; 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: Household Interview- NHANES Respiratory Disease Section (RDQ_C)

Contact Number: 1-866-441-NCHS

Years of Content: 2003–2004

First Published: January 2006

Revised: January 2006

Access Constraints: None

Use Constraints: None

Geographic Coverage: National

Subject: NHANES Respiratory Disease Symptom Questionnaire

Record Source: NHANES 2003–2004

Survey Methodology: NHANES 2003–2004 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 (2003-2004)**

**Respiratory Health & Disease Section of the SP Questionnaire
(RDQ_C)
Person Level Data**

January 2006



SEQN	Target
	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Respondent sequence number
English Text: Respondent sequence number.	
English Instructions:	

RDQ005A	Target
Hard Edits	B(1 Yrs. to 150 Yrs.)
	SAS Label
	CHECK ITEM
English Text: CHECK ITEM	
English Instructions: BOX 1. CHECK ITEM RDQ.005A: IF SP AGE <12, GO TO RDQ.070. OTHERWISE, CONTINUE.	

RDQ031	Target			
	B(12 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	521	521	
2	No	6819	7340	RDQ050
7	Refused	0	7340	RDQ050
9	Don't know	4	7344	RDQ050
.	Missing	2301	9645	

RDD040	Target			
	B(12 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 69	Range of Values	508	508	
70	70 or more	7	515	
77777	Refused	0	515	
99999	Don't know	6	521	
.	Missing	9124	9645	

RDQ050	Target			
	B(12 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	562	562	
2	No	6779	7341	RDQ070
7	Refused	0	7341	RDQ070
9	Don't know	3	7344	RDQ070
.	Missing	2301	9645	

RDD060	Target
	B(12 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 60	Range of Values	554	554	
70	70 or more	3	557	
77777	Refused	0	557	
99999	Don't know	5	562	
.	Missing	9083	9645	

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	1332	1332	
2	No	8310	9642	RDQ140
7	Refused	0	9642	RDQ140
9	Don't know	3	9645	RDQ140
.	Missing	0	9645	

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	1310	1310	
7777	Refused	0	1310	
9999	Don't know	22	1332	
.	Missing	8313	9645	

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,	611	611	
1	1 or more nights per week, or	336	947	
2	Less than 1 night per week?	382	1329	
7	Refused	0	1329	
9	Don't know	3	1332	
.	Missing	8313	9645	

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	619	619	
2	No	705	1324	
7	Refused	0	1324	
9	Don't know	8	1332	
.	Missing	8313	9645	

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 15	Range of Values	1329	1329	
20	20 or more	2	1331	
7777	Refused	0	1331	
9999	Don't know	0	1331	
.	Missing	8314	9645	

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, prescribe by a doctor, for wheezing or whistling?				
English Instructions:				
Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	782	782	
2	No	547	1329	
7	Refused	0	1329	
9	Don't know	3	1332	
.	Missing	8313	9645	

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,	782	782	
2	A little,	309	1091	
3	A fair amount,	108	1199	
4	A moderate amount, or	43	1242	
5	A lot?	90	1332	
7	Refused	0	1332	
9	Don't know	0	1332	
.	Missing	8313	9645	

RDQ136	Target
Hard Edits	B(1 Yrs. to 150 Yrs.)
	SAS Label
	CHECK ITEM
English Text: CHECK ITEM	
English Instructions: BOX 4. CHECK ITEM RDQ.136: IF SP AGE=6-69 YEARS CONTINUE. OTHERWISE, GO TO RDQ.140.	

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	719	719	
1	1 to 7	171	890	
2	8 to 30	43	933	
3	31 plus	15	948	
7	Refused	0	948	
9	Don't know	2	950	
.	Missing	8695	9645	

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	369	369	
2	No	9271	9640	
7	Refused	0	9640	
9	Don't know	5	9645	
.	Missing	0	9645	