

# National Health and Nutrition Examination Survey 2003-2004

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## Documentation, Codebook, and Frequencies

SP Questionnaire Component:  
Diabetes Questionnaire Data

Survey Years:  
2003 to 2004

SAS Export File:  
DIQ\_C.XPT



April 2006

# NHANES 2003–2004 Data Documentation

Questionnaire Section: **Sample Person Questionnaire**

**Diabetes (DIQ\_C)**

Years of Coverage: 2003–2004

First Published: April 2006

Last Revised: N/A

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**Component Description** The Diabetes section (prefix DIQ) provides personal interview data on diabetes, use of medications, and symptoms associated with diabetes such as vision problems, foot ulcers and sensations in the extremities.

**Eligible Sample and Exclusion Criteria** All participants 1 year of age and older are eligible for the lead-in question pertaining to history of diabetes.

Follow-up questions:

- age when first told about diabetes health condition,
- current insulin use (asked regardless of diabetes response),
- duration of insulin use,
- use of oral hypoglycemic agents,
- history of retinopathy and vision troubles due to diabetes (asked of ages 20+ years),
- foot ulcer conditions that required significant time to heal (asked of ages 40+ years regardless of diabetes response),
- numbness in hands or feet (asked of age 40+ years regardless of diabetes response),
- painful sensations in hands or feet, and leg pain while walking, including pain in the calves (asked of 40+ years regardless of diabetes response)

**Interview Setting and Mode of Administration** The DIQ section is administered in the home by a trained household interviewer. This information may be linked to data obtained during the health examination component. An assessment of lower extremity disease (LED) and peripheral neuropathy is performed in adults 40+ years of age. Please refer to the notes for the LED component.

**Quality Assurance & Quality Control** Questionnaire data is systematically reviewed for logical, processing, and data input errors on a periodic basis during the process of data collection.

The computer CAPI system had built-in consistency checks, online information screens that provided the interviewers with information about the terms used in the questionnaires, and hard and soft edit checks to reduce the number of keying entry errors. All of the interviews were reviewed by the NHANES field office staff for accuracy and completeness.

**Analytic Notes**

For the following derived variables, when “don’t know” was entered as the response to a quantity question, the data were back coded to reflect “don’t know” in the gate question (enter number, less than 1, refused, don’t know) and the “don’t know” response was changed to missing in the quantity variable.

DID040G / DID040Q

DID060G / DID060Q

Only records for eligible participants are included in this file.

Please refer to the Analytic Guidelines for further details on the use of sample weights and other analytic issues at [http://www.cdc.gov/nchs/data/nhanes/nhanes\\_general\\_guidelines.pdf](http://www.cdc.gov/nchs/data/nhanes/nhanes_general_guidelines.pdf).

**References** N/A

## Locator Record

**Title:** Diabetes (DIQ\_C)

**Contact Number:** 1-866-441-NCHS

**Years of Content:** 2003–2004

**First Published:** April 2006

**Revised:** N/A

**Access Constraints:** None

**Use Constraints:** None

**Geographic Coverage:** National

**Subject:** Diabetes

**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; SAS transport files

**National Health and Nutrition Examination Survey  
Codebook for Data Production (2003-2004)**

**Diabetes Section of the SP Questionnaire (DIQ\_C)  
Person level data -- use Interview Weights for analysis**

April 2006



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

<b>DIQ010</b>	<b>Target</b>		
	B(1 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Doctor told you have diabetes		
<b>English Text:</b> The next questions are about specific medical conditions. {Other than during pregnancy, {have you/has SP}/{Have you/Has SP}} ever been told by a doctor or health professional that {you have/{he/she/SP} has} diabetes or sugar diabetes?			
<b>English Instructions:</b> CAPI INSTRUCTION: IF SP AGE < 12, DISPLAY "HAVE YOU" FOR THE FIRST DISPLAY AND "SP HAS" FOR THE SECOND DISPLAY. IF SP IS FEMALE AND AGE >= 20, DISPLAY "OTHER THAN DURING PREGNANCY, {HAVE YOU/HAS SP}".			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	559	
2	No	9001	DIQ050
3	Borderline	78	DIQ050
7	Refused	0	DIQ050
9	Don't know	7	DIQ050
.	Missing	0	

<b>DID040G</b>	<b>Target</b>		
	B(1 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Age when first told you had diabetes		
<b>English Text:</b> How old {was SP/were you} when a doctor or other health professional first told {you/him/her} that {you/he/she} had diabetes or sugar diabetes?			
<b>English Instructions:</b> GATE QUESTION			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Enter number	548	
2	Less than 1 year	8	
7	Refused	0	
9	Don't know	3	
.	Missing	9086	

<b>DID040Q</b>	<b>Target</b>		
	B(1 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
1 to 120	Number of years of age		
<b>English Text:</b> How old {was SP/were you} when a doctor or other health professional first told {you/him/her} that {you/he/she} had diabetes or sugar diabetes?			
<b>English Instructions:</b> CAPI INSTRUCTION: IF SP AGE < 12, DISPLAY "YOU" FOR THE SECOND DISPLAY. ENTER AGE IN YEARS.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1 to 88	Range of Values	548	
77777	Refused	0	
99999	Don't know	0	
.	Missing	9097	

<b>DIQ050</b>	<b>Target</b>		
	B(1 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Taking insulin now		
<b>English Text:</b> {Is SP/Are you} now taking insulin			
<b>English Instructions:</b> {Is SP/Are you} now taking insulin			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	144	
2	No	9501	DIQ065
7	Refused	0	DIQ065
9	Don't know	0	DIQ065
.	Missing	0	

<b>DID060G</b>	<b>Target</b>		
	B(1 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	How long taking insulin		
<b>English Text:</b> For how long {have you/has SP} been taking insulin?			
<b>English Instructions:</b> GATE QUESTION			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Enter number (of months or years)	143	
2	Less than 1 month	0	
7	Refused	0	
9	Don't know	1	
.	Missing	9501	

<b>DID060Q</b>	<b>Target</b>		
	B(1 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
1 to 100	Number of mons/yr taking insulin		
<b>English Text:</b> For how long {have you/has SP} been taking insulin?			
<b>English Instructions:</b> ENTER NUMBER (OF MONTHS OR YEARS)			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1 to 47	Range of Values	143	
77777	Refused	0	
99999	Don't know	0	
.	Missing	9502	

<b>DIQ060U</b>	<b>Target</b>		
	B(1 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Unit of measure (month/year)		
<b>English Text:</b> UNIT OF MEASURE			
<b>English Instructions:</b> ENTER UNIT			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Months	14	
2	Years	129	
7	Refused	0	
9	Don't know	0	
.	Missing	9502	

<b>DIQ065</b>	<b>Target</b>
	B(1 Yrs. to 150 Yrs.)
<b>Hard Edits</b>	<b>SAS Label</b>
	CHECK ITEM
<b>English Text:</b> CHECK ITEM	
<b>English Instructions:</b> BOX 0. CHECK ITEM DIQ.065: IF 'YES' (CODE 1) IN DIQ.010, CONTINUE. OTHERWISE, GO TO BOX 2.	

<b>DIQ070</b>	<b>Target</b>		
	B(1 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Take diabetic pills to lower blood sugar		
<b>English Text:</b> {Is SP/Are you} now taking diabetic pills to lower {{his/her}/your} blood sugar? These are sometimes called oral agents or oral hypoglycemic agents.			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	395	
2	No	163	
7	Refused	0	
9	Don't know	1	
.	Missing	9086	

<b>DIQ075</b>	<b>Target</b>
	B(1 Yrs. to 150 Yrs.)
<b>Hard Edits</b>	<b>SAS Label</b>
	CHECK ITEM
<b>English Text:</b> CHECK ITEM	
<b>English Instructions:</b> BOX 1. CHECK ITEM DIQ.075: IF SP AGE >= 20, CONTINUE. OTHERWISE, GO TO END OF SECTION.	

<b>DIQ080</b>	<b>Target</b>		
	B(20 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Diabetes affected eyes/had retinopathy		
<b>English Text:</b> Has a doctor ever told {you/SP} that diabetes has affected {your/his/her} eyes or that {you/s/he} had retinopathy?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	120	
2	No	421	
7	Refused	0	
9	Don't know	4	
.	Missing	9100	

<b>DIQ085</b>	<b>Target</b>
	B(20 Yrs. to 150 Yrs.)
<b>Hard Edits</b>	<b>SAS Label</b>
	CHECK ITEM
<b>English Text:</b> CHECK ITEM	
<b>English Instructions:</b> BOX 2. CHECK ITEM DIQ.085: IF SP AGE >= 40, CONTINUE. OTHERWISE, GO TO END OF SECTION.	

<b>DIQ090</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Ulcer/sore not healed within 4 weeks		
<b>English Text:</b> {Have you/Has SP} ever had an ulcer or sore on {your/his/her} leg or foot that took more than 4 weeks to heal?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	141	
2	No	3154	
7	Refused	0	
9	Don't know	4	
.	Missing	6346	

<b>DIQ100</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Numbness in hands/feet-past 3 mos		
<b>English Text:</b> During the past 3 months, {have you/has SP} had numbness or loss of feeling in {your/his/her} hands or feet, other than from {your/his/her} hands or feet falling asleep?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	775	
2	No	2521	DIQ120
7	Refused	0	DIQ120
9	Don't know	3	DIQ120
.	Missing	6346	

<b>DIQ110</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Numbness in hands, feet or both		
<b>English Text:</b> Has the numbness or loss of feeling been in {your/SP's} hands, feet, or both?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Hands	350	
2	Feet	163	
3	Both	262	
7	Refused	0	
9	Don't know	0	
.	Missing	8870	

<b>DIQ120</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Pain/tingling in hands/feet - past 3 mos		
<b>English Text:</b> During the past 3 months, {have you/has SP} had a painful sensation or tingling in {your/his/her} hands or feet? Do not include normal foot aches from standing or walking for long periods.			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	770	
2	No	2525	DIQ140
7	Refused	0	DIQ140
9	Don't know	4	DIQ140
.	Missing	6346	

<b>DIQ130</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Pain/tingling in hands,feet or both		
<b>English Text:</b> Has the painful sensation or tingling been in {your/his/her} hands, feet, or both?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Hands	355	
2	Feet	175	
3	Both	240	
7	Refused	0	
9	Don't know	0	
.	Missing	8875	

<b>DIQ140</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Pain in either leg while walking		
<b>English Text:</b> {Do you/Does SP} ever get pain in either leg while {you are/s/he is} walking?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	990	
2	No	2302	End of Section
7	Refused	0	End of Section
9	Don't know	7	End of Section
.	Missing	6346	

<b>DIQ150</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Pain in calf or calves		
<b>English Text:</b> Does this pain include pain in {your/SP's} calf or calves?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	585	
2	No	404	
7	Refused	0	
9	Don't know	1	
.	Missing	8655	