National Health and Nutrition Examination Survey 2005–2006

Documentation, Codebook, and Frequencies

Vision

Questionnaire

Survey Years: 2005 to 2006

SAS Transport File: VIQ_D.XPT

nhanes

April 2008

NHANES 2005–2006 Data Documentation

Questionnaire Section: Vision (VIQ_D)

First Published: April 2008   **Last Revised:** N/A

Component Description

The vision section (abbreviated "VIQ" in the NHANES questionnaire variable naming convention scheme), provides personal interview data on several vision topics.

Topics and the target population groups in the VIQ section:

- The ability to see light and general condition of eyesight (12+ yr)
- Difficulty in performing certain activities due to eyesight (20+ yr)
- Cataract operation (20+ yr)
- Common eye diseases including glaucoma and age-related macular degeneration (40+ yr)

Eligible Sample

All survey participants 12 years and older were eligible for the first set of questions on blindness and general conditions of eyesight. Participants 20 years and older were asked further detailed questions about activity limitations due to their vision and cataract operation. Participants 40 years and older were eligible for a new set of questions on eye diseases, including glaucoma and age-related macular degeneration.

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. Hand cards showing response categories were also used for some questions. When necessary, household interviewers read the hand cards to respondents.

Quality Assurance & Quality Control

Several types of quality control were implemented to ensure that high quality data were collected during the survey.

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.

Additional details describing the quality assurance/quality control processes are provided in the survey procedures manuals.

Data Processing and Editing

Frequency counts were checked, "skip" patterns were verified, and the reasonableness of responses to the questions was reviewed.

Analytic Notes

The 2005-2006 vision questionnaire data is similar to the 1999-2000, 2001-2002, and 2003-2004 publicly release files. However, target ages for 2005-2006 are different from data collected in previous years. Also, the blindness screening questions are different. For 2005-2006, persons who reported "Can't see light" are then asked if they are "Blind in both eyes". New questions about ophthalmologic disorders were first collected during 2005-2006 survey, and will not be found in the earlier data release files.

In addition to the vision questionnaire data, general vision examination and special ophthalmic examination data can be found in the vision section and ophthalmology section of the NHANES 2005-2006 Exam Files (VIX and OPX). These data may be linked using the unique survey participant identifier, SEQN.

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 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

N/A

Locator Record

Title: Vision (VIQ_D)

Contact Number: 1-866-441-NCHS

Years of Content: 2005–2006

First Published: April 2008

Revised: N/A

Access Constraints: None

Use Constraints: None

Geographic Coverage: National

Subject: Vision questionnaire section provides interview data on self-reported light perception, general conditions of eyesight, vision-related activity limitations, and age-related eye diseases.

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; SAS transport files

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

Questionnaire Section:
Vision (VIQ_D)

April 2008

SEQN	Target
	B(12 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
	Respondent sequence number

English Text: Respondent sequence number.

English Instructions:

VIQ010	Target
	B(12 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
	Can see light

English Text: Next I have general questions about (your/SP's) vision. With both eyes open, can (you/he/she) see light?

English Instructions: CAPI INSTRUCTION: IF VIQ.010 = 2 AND MCQ.140 = 1, DISPLAY THE FOLLOWING MESSAGE: "YOU HAVE CODED THAT SP CANNOT SEE LIGHT - PLEASE VERIFY BY REENTERING THE RESPONSE." CAPI SHOULD DISPLAY VIQ.010 AGAIN WITH BLANK ENTRY. IF VIQ.010 = 2 AND MCQ.140 = 2, DISPLAY THE FOLLOWING MESSAGE: "YOU HAVE CODED THAT SP CANNOT SEE LIGHT. EARLIER SP REPORTED NO TROUBLE SEEING. RECONCILE RESPONSES WITH SP AND CHANGE RESPONSE TO ONE OF THE QUESTIONS BELOW." DISPLAY RESPONSES TO BOTH - WITH LABELS. MCQ.140 - TROUBLE SEEING, VIQ.010 - SEE LIGHT, HIGHLIGHT MUST BE ON VIQ.010.

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	7266	7266	VIQ031
2	No	1	7267	
7	Refused	0	7267	
9	Don't know	0	7267	
.	Missing	0	7267	

VIQ017	Target				
	B(12 Yrs. to 150 Yrs.)				
Hard Edits	**SAS Label**				
	Blind in both eyes				

English Text: {Are you/Is SP} blind in both eyes?

English Instructions: CAPI INSTRUCTION: IF VIQ.010 = 2 (NO) AND VIQ.017 = 2 (NO), DISPLAY THE FOLLOWING MESSAGE: "YOU HAVE CODED THAT SP IS NOT BLIND. EARLIER SP REPORTED THAT HE/SHE CANNOT SEE LIGHT. RECONCILE RESPONSES WITH SP AND CHANGE RESPONSE TO ONE QUESTION BELOW:" DISPLAY RESPONSES TO BOTH VIQ.010 AND VIQ.017 WITH LABELS. PLACE HIGHLIGHT ON VIQ.010.

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	1	1	VIQ071
2	No	0	1	
7	Refused	0	1	
9	Don't know	0	1	
.	Missing	7266	7267	

	VIQ031	Target			
		B(12 Yrs. to 150 Yrs.)			
	Hard Edits	**SAS Label**			
		General condition of eyesight			

English Text: At the present time, would you say (your/SP'S) eyesight, with glasses or contact lenses if (you/he/she) wear them is.....

English Instructions: CAPI INSTRUCTION: IF VIQ.010 = 2 AND VIQ.031 = 1 (EXCELLENT vision), DISPLAY THE FOLLOWING MESSAGE: "YOU HAVE CODED THAT SP CANNOT SEE LIGHT. SP REPORTED EXCELLENT VISION. RECONCILE RESPONSES WITH SP AND CHANGE RESPONSE TO ONE OF THE QUESTIONS BELOW." DISPLAY RESPONSES TO ALL - WITH LABELS. VIQ.010 - CAN'T SEE LIGHT VIQ.031 = 1 (EXCELLENT vision) HIGHLIGHT MUST BE ON VIQ.010.

Code or Value	Description	Count	Cumulative	Skip to Item
1	Excellent,	3082	3082	
2	Good,	3027	6109	
3	Fair,	912	7021	
4	Poor, or	180	7201	
5	Very poor?	57	7258	
7	Refused	0	7258	
9	Don't know	8	7266	
.	Missing	1	7267	

	VIQ041	Target			
		B(12 Yrs. to 150 Yrs.)			
Hard Edits		**SAS Label**			
		Time worrying about eyesight			

English Text: How much of the time {do you/does SP} worry about {your/his/her} eyesight? Would you say . . .

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	None of the time,	4394	4394	
1	A little of the time,	1358	5752	
2	Some of the time,	960	6712	
3	Most of the time, or	280	6992	
4	All of the time?	267	7259	
7	Refused	1	7260	
9	Don't know	6	7266	
.	Missing	1	7267	

VIQ051A	**Target**			
	B(20 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Difficulty reading ordinary newsprint			

English Text: The next questions are about how much difficulty, if any, {you have/SP has} doing certain activities, such as reading ordinary newsprint or going down steps. If {you/s/he} usually wear{s} glasses or contact lenses to do these activities, please rate {you r/his/her} ability to do them while wearing {your/his/her} glasses or contacts. How much difficulty {do you/does SP} have . . .reading ordinary print in newspapers?

English Instructions: HAND CARD VIQ1. READ CATEGORIES TO RESPONDENT IF NECESSARY.

Code or Value	Description	Count	Cumulative	Skip to Item
1	No difficulty	3834	3834	
2	A little difficulty	696	4530	
3	Moderate difficulty	239	4769	
4	Extreme difficulty	103	4872	
5	Unable to do because of eyesight	53	4925	
6	Does not do this for other reasons	53	4978	
77	Refused	0	4978	
99	Don't know	0	4978	
.	Missing	2289	7267	

VIQ051B	**Target**		
	B(20 Yrs. to 150 Yrs.)		
Hard Edits	**SAS Label**		
	Difficulty with up close work or chores		

English Text: How much difficulty {do you/does SP} have . . .doing work or hobbies that require {you/him/her} to see well up close such as cooking, sewing, fixing things around the house, or using hand tools?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	No difficulty	4035	4035	
2	A little difficulty	592	4627	
3	Moderate difficulty	183	4810	
4	Extreme difficulty	69	4879	
5	Unable to do because of eyesight	35	4914	
6	Does not do this for other reasons	63	4977	
77	Refused	0	4977	
99	Don't know	1	4978	
.	Missing	2289	7267	

	VIQ051C		Target		
			B(20 Yrs. to 150 Yrs.)		
	Hard Edits		**SAS Label**		
			Difficulty seeing steps/curbs-dim light		

English Text: How much difficulty {do you/does SP} have . . .going down steps, stairs, or curbs in dim light or at night?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	No difficulty	4003	4003	
2	A little difficulty	559	4562	
3	Moderate difficulty	198	4760	
4	Extreme difficulty	97	4857	
5	Unable to do because of eyesight	26	4883	
6	Does not do this for other reasons	92	4975	
77	Refused	0	4975	
99	Don't know	3	4978	
.	Missing	2289	7267	

VIQ051D	Target
	B(20 Yrs. to 150 Yrs.)
Hard Edits	**SAS Label**
	Difficulty noticing objects to side

English Text: How much difficulty {do you/does SP} have . . .noticing objects off to the side while {you are/s/he is} walking?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	No difficulty	4427	4427	
2	A little difficulty	338	4765	
3	Moderate difficulty	120	4885	
4	Extreme difficulty	51	4936	
5	Unable to do because of eyesight	18	4954	
6	Does not do this for other reasons	21	4975	
77	Refused	0	4975	
99	Don't know	3	4978	
.	Missing	2289	7267	

	VIQ051E		Target		
			B(20 Yrs. to 150 Yrs.)		
	Hard Edits		SAS Label		
			Difficulty findng object on crowdedshelf		
English Text: How much difficulty {do you/does SP} have . . .finding something on a crowded shelf?					
English Instructions:					

Code or Value	Description	Count	Cumulative	Skip to Item
1	No difficulty	4315	4315	
2	A little difficulty	429	4744	
3	Moderate difficulty	137	4881	
4	Extreme difficulty	52	4933	
5	Unable to do because of eyesight	15	4948	
6	Does not do this for other reasons	26	4974	
77	Refused	0	4974	
99	Don't know	4	4978	
.	Missing	2289	7267	

	VIQ056	Target
		B(20 Yrs. to 150 Yrs.)

Hard Edits	SAS Label
	Difficulty drivng daytime-familiar place

English Text: How much difficulty {do you/does SP} have driving during the daytime in familiar places?

English Instructions: CAPI INSTRUCTION: IF VIQ.010 = 2 AND VIQ.056 = 1 (NO DIFFICULTY), DISPLAY THE FOLLOWING MESSAGE: "YOU HAVE REPORTED THAT SP CANNOT SEE LIGHT. SP REPORTED NO DIFFICULTY DRIVING. RECONCILE RESPONSES WITH SP AND CHANGE RESPONSE TO ONE OF THE QUESTIONS BELOW." DISPLAY RESPONSES TO ALL - WITH LABELS. VIQ.010 - CAN'T SEE LIGHT VIQ.056 = 1 (NO DIFFICULTY), HIGHLIGHT MUST BE ON VIQ.010.

Code or Value	Description	Count	Cumulative	Skip to Item
1	No difficulty	4203	4203	
2	A little difficulty	133	4336	
3	Moderate difficulty	22	4358	
4	Extreme difficulty	4	4362	
5	Unable to do because of eyesight	52	4414	
6	Does not do this for other reasons	278	4692	
7	Never drove	286	4978	
77	Refused	0	4978	
99	Don't know	0	4978	
.	Missing	2289	7267	

VIQ061	Target			
	B(20 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Vision limits how long can do activities			

English Text: How limited {are you/is SP} in how long {you/s/he} can work or do other daily activities such as housework, child care, school, or community activities because of {your/his/her} vision? Would you say {you are/s/he is} limited . . .

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
0	None of the time,	4375	4375	
1	A little of the time,	324	4699	
2	Some of the time,	164	4863	
3	Most of the time, or	61	4924	
4	All of the time?	51	4975	
7	Refused	0	4975	
9	Don't know	3	4978	
.	Missing	2289	7267	

VIQ071	Target			
	B(20 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Ever had a cataract operation			

English Text: {Have you/Has SP} ever had a cataract operation?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	440	440	
2	No	4534	4974	VIQ090
7	Refused	0	4974	VIQ090
9	Don't Know	5	4979	VIQ090
.	Missing	2288	7267	

VIQ081	Target			
	B(20 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Operation in right, left or both eyes			

English Text: Was the operation in {your/SPs} right eye, left eye, or both eyes?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Right eye	75	75	
2	Left eye	45	120	
3	Both	313	433	
7	Refused	0	433	
9	Don't know	7	440	
.	Missing	6827	7267	

VIQ090	Target			
	B(40 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Ever told had glaucoma			

English Text: {Have you/Has SP} ever been told by an eye doctor that {you have/s/he has} glaucoma (gla-co-ma), sometimes called high pressure in {your/his/her} eyes?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	219	219	
2	No	2813	3032	VIQ310
7	Refused	0	3032	VIQ310
9	Don't know	23	3055	VIQ310
.	Missing	4212	7267	

VIQ100	Target			
	B(40 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Glaucoma in which eye			

English Text: Was the glaucoma in {your/his/her} right eye, left eye, or both eyes?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Right eye	41	41	
2	Left eye	29	70	
3	Both	133	203	
7	Refused	0	203	
9	Don't know	16	219	
.	Missing	7048	7267	

VIQ310	Target			
	B(40 Yrs. to 150 Yrs.)			
Hard Edits	**SAS Label**			
	Told had macular degeneration			

English Text: {Have you/Has SP} ever been told by an eye doctor that {you have/s/he has} age-related macular (mac-u-lar) degeneration?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Yes	141	141	
2	No	2878	3019	End of Section
7	Refused	0	3019	End of Section
9	Don't know	36	3055	End of Section
.	Missing	4212	7267	

	VIQ320	Target		
		B(40 Yrs. to 150 Yrs.)		
Hard Edits		**SAS Label**		
		Macular degeneration in which eye		

English Text: Was the age-related macular (mac-u-lar) degeneration in {your/his/her} right eye, left eye, or both eyes?

English Instructions:

Code or Value	Description	Count	Cumulative	Skip to Item
1	Right eye	20	20	
2	Left eye	23	43	
3	Both	86	129	
7	Refused	0	129	
9	Don't know	12	141	
.	Missing	7126	7267	