Documentation, Codebook, and Frequencies

SP Questionnaire Component: Audiometry Questionnaire Data

Survey Years: 2003 to 2004

SAS Export File: AUQ_C.XPT



NHANES 2003–2004 Data Documentation

Questionnaire Section: Sample Person Questionnaire Audiometry (AUQ_C)

Years of Coverage: 2003–2004 First Published: November 2005 Last Revised: N/A

Component Description

The Audiometry section (variable name prefix AUQ) provides interview data on self-reported hearing status, tinnitus (ringing in the ears), hearing screening history, the use of assistive devices for hearing, and risk factors for hearing loss.

Topics included in this section are:

- self-assessed hearing status;
- how recently hearing tests were performed, if ever;
- hearing aid use: ever used; current use, 12-month period prevalence; and the habitual frequency of hearing aid use;
- 12-month period prevalence of tinnitus; frequency of symptoms;
- exposure history for non-occupational loud noise from firearms, power tools or loud music; and
- whether hearing protection was used.

Eligible Sample

All survey participants aged 1 year and older were eligible for the initial question (AUQ010) relating to self-reported hearing capability/deficits. Survey respondents 20 years of age and older were asked further detailed questions about hearing and noise exposure.

Interview Setting and Mode of Administration

A trained household interviewer administrated these questions to the survey participant during the household interview. The information was recorded using a computer-assisted personal interview (CAPI) system. Some of the questions in the VIQ section required the use of printed hand cards. When necessary, the household interviewers read the hand card selections to the respondent.

Quality Assurance & Quality Control

The Audiometry questionnaire data was 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

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completeness.

Data Processing and Editing

The 2001–2002 Audiometry Questionnaire data was verified against the main data file prior to public release.

Analytic Notes

Audiologic data analysis is a complex endeavor requiring knowledge of the specialty content area for valid results to be obtained. If an analyst does not have professional experience in this area, it is recommended that audiologic consultation be obtained to help formulate and review the results of the analysis.

Full sample interview weights should be employed if statistical analysis involves only NHANES questionnaire data. Although these data were collected as a part of the household questionnaire, if they are merged with NHANES MEC data, MEC examination sample weights should be used for the analysis. Specifically, if AUQ data is merged with NHANES Audiometry examination data, then the Audiometry examination subsample weights should be used for analysis.

Previous National Health Interview Survey and NHANES III Audiometry questionnaires served as questionnaire sources.

Audiometry Examination data is found in the Audiometry Section of the NHANES 2003–2004 Examination Files (AUX). The Occupation Section of the SP Household Questionnaire (OCQ) has related questions regarding SP's current and past occupational noise exposure.

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/about/major/nhanes/nhanes2003-2004/analytical_guidelines.htm

The AUQ data are publicly available at www.cdc.gov/nchs/nhanes.htm.

References

None

Locator Record

Title: Audiometry (AUQ_C)

Contact Number: 1-866-441-NCHS

Years of Content: 2003–2004 First Published: November 2005

Revised: N/A

Access Constraints: None
Use Constraints: None

Geographic Coverage: National

Subject: Audiometry

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

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

Audiometry Section of the SP Questionnaire (AUQ_C) Person level data -- use Interview Weights for analysis

November 2005



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

AUQ130	Target
110 Q100	B(1 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	General condition of hearing

English Text: Which statement best describes {your/SP's} hearing (without hearing aid)? Would you say {your/his/her} hearing is good, that {you have/s/he has} a little trouble, a lot of trouble, or {are you/is s/he} deaf?

Code or Value	Description	Count	Skip to Item
1	Good	7974	
2	Little trouble	1357	
3	Lot of trouble	285	
4	Deaf	24	
7	Refused	0	
9	Don't know	5	
	Missing	0	

AUQ140	Target
110 (2110	B(20 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	When was hearing last tested

English Text: About how long has it been since {you/SP} last had {your/his/her} hearing tested?

English Instructions: READ CATEGORIES IF NECESSARY

Code or Value	Description	Count	Skip to Item
1	Less than 1 year ago	640	
2	1 year to 4 years ago	917	
3	More than 4 years ago	2267	
4	Never	1149	
7	Refused	1	
9	Don't know	66	
	Missing	4605	

AUQ150	Target
110 Q100	B(20 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Ever worn a hearing aid

English Text: {Have you/Has SP} ever worn a hearing aid?

Code or Value	Description	Count	Skip to Item
1	Yes	286	
2	No	4753	AUQ190
7	Refused	0	AUQ190
9	Don't know	1	AUQ190
	Missing	4605	

AUQ160	Target
110 Q100	B(20 Yrs. to 150 Yrs.)
Hard Edits	SAS Label
	Now wearing a hearing aid

English Text: {Are you/Is SP} now wearing a hearing aid?

Code or Value	Description	Count	Skip to Item
1	Yes	166	AUQ180
2	No	120	
7	Refused	0	
9	Don't know	0	
	Missing	9359	

AUQ170	Target	
110 (2170	B(20 Yrs. to 150 Yrs.)	
Hard Edits	SAS Label	
	Worn hearing aid in past 12 months	

English Text: In the past 12 months, {have you/has SP} ever worn a hearing aid?

Code or Value	Description	Count	Skip to Item
1	Yes	58	
2	No	62	AUQ190
7	Refused	0	AUQ190
9	Don't know	0	AUQ190
	Missing	9525	

AUQ180	Target	
110 Q 100	B(20 Yrs. to 150 Yrs.)	
Hard Edits	SAS Label	
	How often wear hearing aid in past year	

English Text: In the past 12 months, how often would you say {you/SP} wore a hearing aid? Would you say . . .

Code or Value	Description	Count	Skip to Item
1	Almost always,	131	
2	At least once a day,	29	
3	At least once a week,	22	
4	At least once a month, or	20	
5	Less frequently than once a month?	22	
7	Refused	0	
9	Don't know	0	
•	Missing	9421	

AUQ190	Target	
Acqist	B(20 Yrs. to 150 Yrs.)	
Hard Edits	SAS Label	
	Ears ringing, roaring, buzzing past year	

English Text: In the past 12 months, {have you/has SP} ever had ringing, roaring, or buzzing in {your/his/her} ears?

Code or Value	Description	Count	Skip to Item
1	Yes	1315	
2	No	3714	AUQ210
7	Refused	0	AUQ210
9	Don't know	11	AUQ210
	Missing	4605	

AUQ200	Target	
AUQ200	B(20 Yrs. to 150 Yrs.)	
Hard Edits	SAS Label	
	How often ringing, roaring, buzzing	

English Text: How often did this happen? Would you say . . .

Code or Value	Description	Count	Skip to Item
1	Almost always,	315	
2	At least once a day,	99	
3	At least once a week,	155	
4	At least once a month, or	232	
5	Less frequently than once a month?	509	
7	Refused	0	
9	Don't know	5	
	Missing	8330	

AUQ210	Target	
	B(20 Yrs. to 150 Yrs.)	
Hard Edits	SAS Label	
	Firearm noise exposure outside work	

English Text: Outside of work, {have you/has SP} ever been exposed to firearms noise for an average of at least once a month for a year?

Code or Value	Description	Count	Skip to Item
1	Yes	380	
2	No	4655	AUQ230
7	Refused	0	AUQ230
9	Don't know	5	AUQ230
	Missing	4605	

AUQ220	Target	
	B(20 Yrs. to 150 Yrs.)	
Hard Edits	SAS Label	
	Use ear protection around firearm noise	

English Text: {Have you/Has SP} ever worn hearing protection devices when exposed to firearms noise?

Code or Value	Description	Count	Skip to Item
1	Yes	170	
2	No	210	
7	Refused	0	
9	Don't know	0	
	Missing	9265	

AUQ230	Target	
A0Q230	B(20 Yrs. to 150 Yrs.)	
Hard Edits	SAS Label	
	Loud noise exposure outside work	

English Text: Outside of work, {have you/has SP} ever been exposed to other types of loud noise, such as noise from power tools or loud music, for an average of at least once a month for a year? By loud noise I mean noise so loud that {you/s/he} had to speak in a rai sed voice to be heard.

Code or Value	Description	Count	Skip to Item
1	Yes	1190	
2	No	3847	End of Section
7	Refused	0	End of Section
9	Don't know	3	End of Section
	Missing	4605	

AUQ240	Target	
	B(20 Yrs. to 150 Yrs.)	
Hard Edits	SAS Label	
	Use ear protection around loud noise	

English Text: {Have you/Has SP} ever worn hearing protection devices when exposed to these loud noises?

Code or Value	Description	Count	Skip to Item
1	Yes	316	
2	No	874	
7	Refused	0	
9	Don't know	0	
	Missing	8455	