

# National Health and Nutrition Examination Survey 2003-2004

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## Documentation, Codebook, and Frequencies

### SP Questionnaire Component: Balance Questionnaire Data

**Survey Years:**  
**2003 to 2004**

**SAS Export File:**  
**BAQ\_C.XPT**



November 2005

# NHANES 2003–2004 Data Documentation

Questionnaire Section: **Sample Person Questionnaire**

**Balance (BAQ\_C)**

Years of Coverage: 2003–2004

First Published: November 2005

Last Revised: N/A

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## **Component Description**

The Balance Questionnaire (variable name prefix BAQ) provides sample person interview data on the self-reported prevalence of balance, dizziness, and falls. This is of importance because of the increasing morbidity and mortality associated with balance disorders among older persons in the U.S. Topics included in the section include:

- 1-month period prevalence of dizziness, balance problems, and falls;
- duration of the balance problems listed above;
- self-reported reason for balance or dizziness problem;
- history of medical treatment for balance/dizziness, type, and outcome;
- family history of balance, dizziness or falling problem.

## **Eligible Sample**

All sample persons 40 years of age and older were asked these questions. There were no exclusions for this questionnaire segment.

## **Interview Setting and Mode of Administration**

A trained household interviewer administered 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**

Balance 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 completeness.

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

## **Data Processing and Editing**

The 2003–2004 Balance Questionnaire data were verified prior to public release.

## **Analytic Notes**

Balance data analysis is complex and requires 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 specialty consultation be obtained to help formulate and review the results of the analysis.

Full sample interview weights should be employed if BAQ 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.

All the questions in the current NHANES balance questionnaire were newly developed for this survey in consultation with expert consultants from the National Institute on Deafness and Other Communications Disorders (NIDCD).

Balance Physical Examination data are found in the Balance Section of the NHANES 2003–2004 Examination Files.

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](http://www.cdc.gov/nchs/about/major/nhanes/nhanes2003-2004/analytical_guidelines.htm).

The BAQ data are publicly available at [www.cdc.gov/nchs/nhanes.htm](http://www.cdc.gov/nchs/nhanes.htm).

## **References**

1. Newman CW, Jacobson GP. Application of self-report scales in balance function handicap assessment. *Seminars in Hearing*. 1993; 14:363–376.

## Locator Record

**Title:** Balance (BAQ\_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:** Balance

**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)**

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

November 2005



<b>SEQN</b>	<b>Target</b>
	B(40 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>BAQ010</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Dizzy/balance/falling problems/past yr		
<b>English Text:</b> During the past 12 months, {have you/has SP} had dizziness, difficulty with balance or difficulty with falling?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	912	
2	No	2386	BAQ070
7	Refused	0	BAQ070
9	Don't know	1	BAQ070
.	Missing	0	

<b>BAQ020A</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Dizziness problems in past year		
<b>English Text:</b> Which of these problems {have you/has SP} had . . .dizziness?			
<b>English Instructions:</b> CAPI INSTRUCTION: TEXT OF QUESTION SHOULD BE OPTIONAL AFTER THE FIRST TIME.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	663	BAQ030a
2	No	249	
7	Refused	0	
9	Don't know	0	
.	Missing	2387	

<b>BAQ020B</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Balance problems in past year		
<b>English Text:</b> Which of these problems {have you/has SP} had . . .difficulty with balance?			
<b>English Instructions:</b>			
Code or Value	Description	Count	Skip to Item
1	Yes	613	BAQ030b
2	No	298	
7	Refused	0	
9	Don't know	1	
.	Missing	2387	

<b>BAQ020C</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Falling problems in past year		
<b>English Text:</b> Which of these problems {have you/has SP} had . . .difficulty with falling?			
<b>English Instructions:</b>			
Code or Value	Description	Count	Skip to Item
1	Yes	271	
2	No	641	
7	Refused	0	
9	Don't know	0	
.	Missing	2387	

<b>BAQ030A</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	How long did dizziness last		
<b>English Text:</b> How long did the... dizziness last? Would you say less than two weeks, 2 weeks to 3 months, or more than 3 months?			
<b>English Instructions:</b>			
Code or Value	Description	Count	Skip to Item
1	Less than 2 weeks	459	BAQ020b
2	2 weeks to 3 months	44	BAQ020b
3	More than 3 months	156	BAQ020b
7	Refused	0	BAQ020b
9	Don't know	4	BAQ020b
.	Missing	2636	

<b>BAQ030B</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	How long did balance problem last		
<b>English Text:</b> How long did the... difficulty with balance last? Would you say less than two weeks, 2 weeks to 3 months, or more than 3 months?			
<b>English Instructions:</b>			
Code or Value	Description	Count	Skip to Item
1	Less than 2 weeks	307	BAQ020c
2	2 weeks to 3 months	51	BAQ020c
3	More than 3 months	254	BAQ020c
7	Refused	0	BAQ020c
9	Don't know	1	BAQ020c
.	Missing	2686	

<b>BAQ040</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Get dizzy when turn over in bed		
<b>English Text:</b> {Do you/Does SP} get dizzy when {you/s/he} turn{s} over in bed?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	151	
2	No	752	
7	Refused	0	
9	Don't know	9	
.	Missing	2387	

<b>BAQ050</b>	<b>Target</b>
	B(40 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 BAQ.050: IF YES (CODE 1) IN BAQ.020 A OR B, CONTINUE. OTHERWISE, GO TO BAQ.070.	

<b>BAQ060A</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Off balance due to cold or flu		
<b>English Text:</b> Which of the things on this list, if any, were related to {your/SP's} dizziness or balance problem?			
<b>English Instructions:</b> CODE ALL THAT APPLY. HAND CARD BAQ1.			
Code or Value	Description	Count	Skip to Item
1	A cold or the flu	52	
77	Refused	0	
99	Don't know	63	
.	Missing	3184	

<b>BAQ060B</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Off balance due to injury or accident		
<b>English Text:</b> Which of the things on this list, if any, were related to {your/SP's} dizziness or balance problem?			
<b>English Instructions:</b> CODE ALL THAT APPLY. HAND CARD BAQ1.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
2	Injuries or accidents	79	
.	Missing	3220	

<b>BAQ060C</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Off balance due to drugs or medicine		
<b>English Text:</b> Which of the things on this list, if any, were related to {your/SP's} dizziness or balance problem?			
<b>English Instructions:</b> CODE ALL THAT APPLY. HAND CARD BAQ1.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
3	Use of drugs or medications	183	
.	Missing	3116	

<b>BAQ060D</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Off balance due to aging		
<b>English Text:</b> Which of the things on this list, if any, were related to {your/SP's} dizziness or balance problem?			
<b>English Instructions:</b> CODE ALL THAT APPLY. HAND CARD BAQ1.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
4	Age or getting older	291	
.	Missing	3008	

<b>BAQ060E</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Off balance due to surgery		
<b>English Text:</b> Which of the things on this list, if any, were related to {your/SP's} dizziness or balance problem?			
<b>English Instructions:</b> CODE ALL THAT APPLY. HAND CARD BAQ1.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
5	Surgery	30	
.	Missing	3269	

<b>BAQ060F</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Off balance due to hearing problem		
<b>English Text:</b> Which of the things on this list, if any, were related to {your/SP's} dizziness or balance problem?			
<b>English Instructions:</b> CODE ALL THAT APPLY. HAND CARD BAQ1.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
6	Hearing problems - including ringing in the ears	134	
.	Missing	3165	

<b>BAQ060G</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Off balance due to vision problem		
<b>English Text:</b> Which of the things on this list, if any, were related to {your/SP's} dizziness or balance problem?			
<b>English Instructions:</b> CODE ALL THAT APPLY. HAND CARD BAQ1.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
7	Vision or seeing problems	75	
.	Missing	3224	

<b>BAQ060H</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Nothing related to balance problem		
<b>English Text:</b> Which of the things on this list, if any, were related to {your/SP's} dizziness or balance problem?			
<b>English Instructions:</b> CODE ALL THAT APPLY. HAND CARD BAQ1.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
8	None	234	
.	Missing	3065	

<b>BAQ070</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Received treatment for dizziness/balance		
<b>English Text:</b> {Have you/Has SP} ever been treated by a doctor or other health professional for dizziness, a balance problem, or falling?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	418	
2	No	2880	BAQ100
7	Refused	0	BAQ100
9	Don't know	1	BAQ100
.	Missing	0	

<b>BAQ075</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	How long ago were you treated		
<b>English Text:</b> How long ago { were you/was SP } treated? Would you say . . .			
<b>English Instructions:</b>			
Code or Value	Description	Count	Skip to Item
1	Less than 1 year ago,	187	
2	1 to 5 years ago, or	123	
3	5 years or more ago?	107	
7	Refused	0	
9	Don't know	1	
.	Missing	2881	

<b>BAQ080A</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Did treatment involve medication		
<b>English Text:</b> Did this treatment involve. . .medication?			
<b>English Instructions:</b> CAPI INSTRUCTION: TEXT SHOULD BE OPTIONAL [ ] AFTER FIRST ITEM.			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	300	
2	No	110	
7	Refused	0	
9	Don't know	8	
.	Missing	2881	

<b>BAQ080B</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Did treatment involve surgery to ear		
<b>English Text:</b> Did this treatment involve. . .surgery to the ear?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	6	
2	No	412	
7	Refused	0	
9	Don't know	0	
.	Missing	2881	

<b>BAQ080C</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Did treatment involve other type surgery		
<b>English Text:</b> Did this treatment involve. . .some other type of surgery?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	15	
2	No	403	
7	Refused	0	
9	Don't know	0	
.	Missing	2881	

<b>BAQ080D</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Did treatment involve exercises		
<b>English Text:</b> Did this treatment involve. . .exercises or physical therapy?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	47	
2	No	371	
7	Refused	0	
9	Don't know	0	
.	Missing	2881	

<b>BAQ090</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Treatment affect on dizziness/balance		
<b>English Text:</b> As a result of this treatment, did {your/SP's} condition. . .			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Get better,	304	
2	Get worse, or	9	
3	Stay the same?	101	
7	Refused	0	
9	Don't know	4	
.	Missing	2881	

<b>BAQ100</b>	<b>Target</b>		
	B(40 Yrs. to 150 Yrs.)		
<b>Hard Edits</b>	<b>SAS Label</b>		
	Blood relative dizziness/balance problem		
<b>English Text:</b> Have any of {your/SP's} biological, that is, blood relatives (grandparents, parents, brothers, or sisters) had a problem with dizziness, balance, or falling not related to aging?			
<b>English Instructions:</b>			
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Skip to Item</b>
1	Yes	607	
2	No	2503	
7	Refused	0	
9	Don't know	189	
.	Missing	0	