

# Third National Health and Nutrition Examination Survey 1988–1994

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## Documentation, Codebook, and Frequencies

Dietary Interview - Vitamin K and  
3-Methylhistidine, Individual  
Foods, Primary Recall

Survey Years:  
1988 to 1994

SAS Transport File:  
VKIFF.XPT



February 2009

# NHANES III Data Documentation

## Dietary Interview: Vitamin K and 3-Methylhistidine (VKDRINUT, VKDRINUR, VKIFF, VKIFFR)

First Published: February 2009

Last Revised: NA

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### Component Description

The dietary interview component provides data on intake of foods and beverages over the previous 24 hours. The NHANES III included a primary 24-hour diet recall interview in the Mobile Exam Center (MEC) as part of the MEC exam and a second or “replicate” exam was conducted for an approximately ten percent subsample that included a second 24-hour diet recall.

This dataset includes dietary intake information on two nutrients, vitamin K and 3-methylhistidine, collected as part of the NHANES III dietary component. In NHANES III dietary data were collected in collaboration with the University of Minnesota's Nutrition Coordinating Center (NCC). The files containing data for the two nutrients vitamin K and 3-methylhistidine were delivered by NCC after the first release of nutrient intake data files. The data were considered provisional at that time but have subsequently been confirmed.

As in previously released NHANES III dietary interview data, four data files were produced for vitamin K and 3-methylhistidine intake: two individual foods files and two total nutrient intake files. Each file includes one recall (primary or second) of intake data. The “individual foods” file includes vitamin K and 3-methylhistidine values for each food reported by each survey participant and the “total nutrient intake” file sums vitamin K and 3-methylhistidine intakes across all foods and beverages consumed. File names are as follows:

#### File Names for Dietary Interview Data: Vitamin K and 3-Methylhistidine

File	Primary diet recall	Second diet recall
Individual Foods File	VKIFF	VKIFFR
Total Nutrient Intake File	VKDRINUT	VKDRINUR

### Eligible Sample

All survey participants ages 2 months of age and older who participated in the MEC exam were eligible for the primary diet recall interview. Approximately ten percent of the participants were asked to return to the MEC to participate a second or “replicate” exam that included a second 24-hour diet recall interview.

**Protocol and Procedure**

The 24-hour dietary recall interview method is described in detail in the documentation file for the dietary recall total nutrients file, Series 11, No. 2A in the section titled “NHANES III Dietary Interview Methodology” and in the Dietary Interviewer Manual (1).

**Quality Assurance & Quality Control**

A number of quality-control monitoring techniques were employed during the survey. For example, the techniques for monitoring the Dietary Interview component included observations of actual dietary interviews and reviews of audiotaped interviews by NCHS and contractor staff. In addition, the dietary interviewers worked in two-person teams; there was one team in each MEC. The dietary interviewers performed 10-percent cross-check reviews of their partners' work using printed recall reports. Finally, newsletters, field memoranda, telephone calls, and staff retraining sessions were other methods used to maintain quality control during the survey. Quality control procedures for the dietary recall interview data are described in detail in the Dietary Interviewer Manual (1).

**Data Processing and Editing**

Data processing procedures for the entire survey are described in detail in the documentation file for the dietary recall total nutrients file, Series 11, No. 2A in the section titled “Data Preparation and Processing Procedures.”

**Analytic Notes**

Each Individual Foods File (primary and second) is comprised of food records. For most survey participants, there are multiple records in each file. For each Total Nutrient Intake File (primary and second) there is one record for each participant. These files can be linked with other NHANES III files by the respondent sequence number (SEQN).

These files do not include any revised or corrected data on dietary intake, only the addition of two nutrients: vitamin K and 3-methylhistidine. Most users will want to merge these files with the files containing the rest of the data from the 24-hour dietary recall interview in the April 1998 release Series 11, No. 2A, which contain the variables DRPSTAT and DRRSTAT indicating whether data are reliable and complete for the primary and secondary recalls respectively. The Series 11 No. 2A files also include all of the other nutrient and food intake variables.

Analytic notes, including information on selection of appropriate sample weights are described in detail in the documentation file for the dietary recall total nutrients file, Series 11, No. 2A in the section titled “Analysis Guidelines”.

In addition for more recommendations on analysis of NHANES 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**

1. Centers for Disease Control and Prevention. NHANES III Dietary Interviewers Manual. September 1992.  
<http://www.cdc.gov/nchs/about/major/nhanes/nh3rrm.htm#refman>.  
Accessed February 3, 2009.

## Locator Record

**Title:** Dietary Interview - Vitamin K and 3-Methylhistidine, Individual Foods, Primary Recall (VKIFF)

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

**Years of Content:** 1988-94

**First Published:** February 2009

**Revised:** NA

**Access Constraints:** None

**Use Constraints:** None

**Geographic Coverage:** National

**Subject:** Dietary intake of vitamin K and 3-methylhistidine from 24-hour diet recall

**Record Source:** NHANES III (1988-94)

**Survey Methodology:** NHANES III 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 (1988-1994)  
(NHANES III)**

**Dietary Interview - Vitamin K and 3-Methylhistidine, Individual  
Foods, Primary Recall (VKIFF)  
Person Level Data**

February 2009



<b>SEQN</b>	<b>Target</b>
	B(2 Mos. to 150 Yrs.)
<b>Hard Edits</b>	<b>SAS Label</b>
	Respondent identification number
<b>English Text:</b> Respondent identification number	
<b>English Instructions:</b>	

<b>DRPMN</b>	<b>Target</b>
	B(2 Mos. to 150 Yrs.)
<b>Hard Edits</b>	<b>SAS Label</b>
	Meal number
<b>English Text:</b> Meal number	
<b>English Instructions:</b>	

Code or Value	Description	Count	Cumulative	Skip to Item
1 to 21	Range of Values	448982	448982	
.	Missing	0	448982	

<b>DRPFN</b>	<b>Target</b>
	B(2 Mos. to 150 Yrs.)
<b>Hard Edits</b>	<b>SAS Label</b>
	Food number
<b>English Text:</b> Food number	
<b>English Instructions:</b>	

Code or Value	Description	Count	Cumulative	Skip to Item
1 to 37	Range of Values	448982	448982	
.	Missing	0	448982	

<b>DRPCN</b>	<b>Target</b>			
	B(2 Mos. to 150 Yrs.)			
<b>Hard Edits</b>	<b>SAS Label</b>			
	Component number			
<b>English Text:</b> Component number				
<b>English Instructions:</b>				
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Cumulative</b>	<b>Skip to Item</b>
1 to 20	Range of Values	448982	448982	
.	Missing	0	448982	

<b>NCPIVK</b>	<b>Target</b>			
	B(2 Mos. to 150 Yrs.)			
<b>Hard Edits</b>	<b>SAS Label</b>			
	NCC IFF Vitamin K (mcg)			
<b>English Text:</b> NCC IFF Vitamin K (mcg)				
<b>English Instructions:</b>				
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Cumulative</b>	<b>Skip to Item</b>
0 to 5817	Range of Values	448982	448982	
88888	Blank but applicable	0	448982	
.	Missing	0	448982	



<b>NCPI3MET</b>	<b>Target</b>			
	B(2 Mos. to 150 Yrs.)			
<b>Hard Edits</b>	<b>SAS Label</b>			
	NCC IFF 3-Methylhistidine (mg)			
<b>English Text:</b> NCC IFF 3-Methylhistidine (mg)				
<b>English Instructions:</b>				
<b>Code or Value</b>	<b>Description</b>	<b>Count</b>	<b>Cumulative</b>	<b>Skip to Item</b>
0 to 177.98	Range of Values	448982	448982	
88888	Blank but applicable	0	448982	
.	Missing	0	448982	