



2010 NHANES Consortium Meeting

Clifford Johnson
Director NHANES
NCHS/CDC



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

Meeting Agenda

- 1:30-1:45 Welcome and Selected Updates
Clifford Johnson, MSPH, Director,
DHANES/NCHS/CDC
- 1:45-1:55 Friends of NCHS
Emily Holubowich, M.P.P.
Chair, Friends of NCHS
- 1:55-2:05 Partnering through the CDC Foundation
Julie Smith, M.S., Director of Public-Private
Partnerships, CDC Foundation
- 2:05-2:15 Nutrition Monitoring
Alanna Moshfegh, MS, RD, Research Leader, Food
Surveys Research Group, ARS, USDA

Meeting Agenda

- 2:15-2:20 Using the Research Data Center
Peter Meyer, MA, MPH, Director, Research Data Center, ORM/NCHS/CDC
- 2:20-2:30 Survey Design Features(1999-2014)
Leyla Mohadjer, Ph.D., Vice President and Senior Survey Statistician, Westat, Inc.
- 2:30-2:50 Survey Content 1999-2010 and Proposed Content 2011-12
Vicki L. Burt, ScM RN, Chief, Planning Branch, DHANES/NCHS/CDC
- 2:50-3:20 Open discussion
- 3:20-3:30 Closing
Clifford Johnson, MSPH, Director, DHANES/NCHS/CDC

NHLANES turns 50!



NHANES 2007-2008 Data

New data released September 28, 2009:

- Demographics File
- 27 Questionnaire Files
- 4 Examination Files
- 26 Laboratory Files

NHANES 2007-2008 Data

- **Earliest** initial release of data
- **Largest** initial release of data
 - 2005-2006: 21 files released Nov 2007
 - 2003-2004: 2 files released Nov 2005

Celebration in Hyattsville on September 29th

- Approximately 200 guests for a half day program
- Exhibits by the staff documenting 50 years of NHANES history
- Opening remarks by Dr. Frieden



Celebration in Hyattsville on September 29th

Collaborator panel

- NIH – Dr. Paul Coates, Director, Office of Dietary Supplements
- FDA – Dr. Kathy Ellwood, Director, Nutrition Programs Staff, Center for Food Safety and Applied Nutrition
- CDC – Dr. Eric Sampson, Director, Division of Laboratory Sciences, National Center for Environmental Health
- USDA – Dr. Joe Spence, Director, Beltsville Area, Agricultural Research Service

Celebration in Hyattsville on September 29th

- Field perspective panel
 - Westat – Jack Powers and Pat Montalvan
 - NCHS – Brenda Lewis, Ivey Braddock, and Ana Chavez
- Directors' panel
 - Bob Murphy - 1979-1997
 - Dr. Raynard Kington - 1999-2001
 - Cliff Johnson - 1997-1999 (Acting) and 2001-present

50th Anniversary Celebration on Capitol Hill

- November 4th
- Hosted by Representative Rosa DeLauro from CT
- Sponsored by the Friends of NCHS



Reception hosted by



American Society for Nutrition
www.nutrition.org

Additional support provided by



American Association of Colleges of Pharmacy
American Nurses Association
American Statistical Association
Council of Professional Associations on Federal Statistics
Population Association of America



50th Anniversary Celebration on Capitol Hill

Speakers included:

- Dr. Thomas Frieden, Director, CDC
- Dr. Kathy Wallman, Chief Statistician, OMB
- Congresswoman Rosa DeLauro
- Cliff Johnson, Director, NHANES



Continuous NHANES Web Tutorial

The screenshot shows the 'Continuous NHANES Web Tutorial Home' page. The browser address bar displays 'http://www.cdc.gov/nchs/tutorials/Nhanes/index_current.htm'. The page features a navigation menu on the left with categories like 'Introduction', 'Survey Orientation', 'Preparing an Analytic Dataset', and 'Survey Design Factors'. The main content area is titled 'Continuous NHANES Web Tutorial Home' and includes a 'Jump Start Guide', 'Objectives', 'Need Help?', and 'Collaborators' section. A 'Where should I start the tutorial?' section provides instructions on how to navigate the tutorial, starting with the 'Survey Overview' link.

NHANES III, II and I Tutorials

The screenshot shows the 'NHANES III Web Tutorial: Survey Orientation Introduction' page. The browser address bar displays 'http://www.cdc.gov/nchs/tutorials/Nhanes/SurveyOrientation/Intro_III.htm'. The page features a navigation menu on the left with categories like 'Introduction', 'Survey Orientation', 'Preparing an Analytic Dataset', and 'Survey Design Factors'. The main content area is titled 'Survey Orientation' and includes a 'Continuous' tab, 'NHANES III', 'NHANES II', and 'NHANES I' tabs. The page provides an overview of the Survey Orientation course for NHANES III, including a 'Module 3. Data Structure & Contents' section. It also includes sections for 'Sample Code' and 'More Information'.

NHANES Dietary Tutorial

NHANES Dietary Web Tutorial: Preparing a Dietary Analytic Dataset - Windows Internet Explorer provided by ITSO

http://www.cdc.gov/nchs/tutorials/Dietary/PreparingIntro.htm

NHANES Dietary Web Tutorial

- NCHS Home
- NHANES Home
- All Tutorials
- NHANES Dietary Tutorial Home**
- Tutorial Roadmap
- Introduction
- Logistics
- Objectives
- Continuing Professional Education
- Dietary Data Survey Orientation
 - 1. Dietary Data Overview
 - 2. Navigate NHANES Website
 - 3. Dietary Data Structure & Contents
 - 4. Resources for Dietary Data Analysis
 - 5. Overview of NHANES Survey Design and Weighting
 - Preparing a Dietary Analytic Dataset**
 - 6. Locate Variables
 - 7. Download Data

Preparing a Dietary Analytic Dataset

Email this page
Printer-friendly version

Dietary data are among the most complex of all the data in NHANES. For this reason, preparing a dataset for dietary analysis is an especially critical set of steps and often may be more time-consuming than the analysis itself.

Analysts working with NHANES dietary data frequently want to be able to answer the following types of questions:

- What is the mean intake of a given food?
- What is the mean intake of a given nutrient from all foods and beverages?
- What is the mean intake of a given nutrient from supplements?
- Which foods are the major sources of a given nutrient?
- What is the distribution of intake of a given food or nutrient across a selected population?
- How does dietary intake relate to some health parameter?

To conduct these analyses, you will first need to know how to successfully complete the tasks described in the following modules of the Preparing an Analytic Dataset course:

- Module 6. [Locate Variables](#)
- Module 7. [Download Data Files](#)
- Module 8. [Merge & Append Datasets](#)
- Module 9. [Review Data & Create New Variables](#)
- Module 10. [Format & Label Variables](#)
- Module 11. [Save a Dataset](#)

As you work your way through these modules, and eventually prepare your own analytic dataset, it is useful to keep in mind three issues that add to the challenge of dietary data analysis—the **unit of analysis**.

NHANES Environmental Chemical Data Tutorial (coming soon)

NHANES Environmental Chemical Tutorial - Home - Windows Internet Explorer provided by ITSO

http://wwwdev.cdc.gov/nchs/tutorials/environmental/

CDC Home
Centers for Disease Control and Prevention
Your Online Source for Credible Health Information

NHANES Environmental Chemical Data Tutorial

NHANES Environmental Chemical Data Tutorial

Using the Tutorial

- Environmental Chemical Data Survey Orientation
- Preparing an Environmental Chemical Analytic Dataset
- Critical Issues for Analysis of Environmental Chemical Data
- Environmental Chemical Data Analysis
- Sample Program and Output
- Additional Information

Related Sites

- Continuous NHANES Web Tutorial
- NHANES III Web Tutorial

Tutorials

The National Health and Nutrition Examination Survey (NHANES) Environmental Chemical Data Web Tutorial was developed by the National Center for Health Statistics (NCHS) and National Center for Environmental Health (NCEH) to meet the growing needs of NHANES data users. This tutorial is one of several [NHANES Tutorials](#) that have been developed to promote broader and more proficient use of NHANES data. To use the tutorial, you can either start from the beginning and pursue the whole tutorial in a linear fashion, or pick and choose topics of interest presented in different modules.

Looking for a specific topic? Use the [Objectives Page](#) to find your topic.

Before you get started:

- Environmental Chemical Data Tutorial Roadmap** Check out this map to orient yourself to the tutorial's content.
- Technical & Software Requirements** Find out what's required to view the tutorials correctly and run the sample programs properly.
- Introduction** Read this page to find answers to frequently asked questions about NHANES environmental chemical data and this tutorial.
- How to the Tutorial Works** Learn about the web layouts and templates used in the tutorial and find out the basic knowledge and skills you'll need to use the tutorial.

To report problems or comments, use the [NHANES Web Tutorial email](#). Do not direct

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Contact Us:
National Center for Health Statistics
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Data Briefs

High Serum Total Cholesterol – An Indicator for Monitoring Cholesterol Lowering Efforts: U.S. Adults, 2005–2006

Susan E. Schober, Ph.D.; Margaret D Carroll, M.S.P.H.; David A. Lacher, M.D.; and Rosemarie Hirsch, M.D., Ph.D.,
Division of Health and Nutrition Examination Surveys

NCHS Data Brief

No. 1

November 2007

Importance

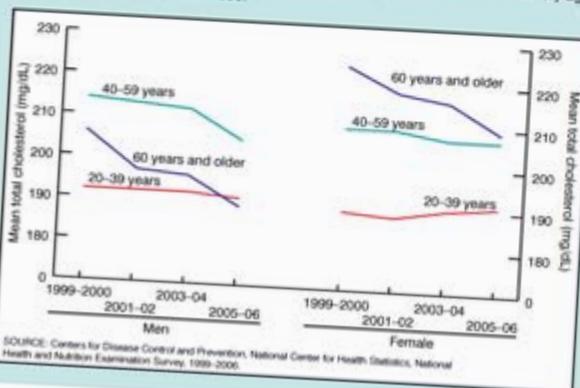
Elevated serum total cholesterol is a major and modifiable risk factor for heart disease, the leading cause of death in the United States (1, 2). Reducing mean total blood cholesterol levels among adults to less than 200 mg/dL and reducing the proportion who have levels of 240 mg/dL or higher to less than 17% are national Healthy People 2010 objectives (3). Age-adjusted mean serum cholesterol levels among adults aged 20–74 years declined from 222 mg/dL in 1960–1962 to 203 mg/dL in 1999–2002 (4). Among adults aged 20 years and older, the percent of the population with high serum total cholesterol levels (240 mg/dL or higher) declined from 20% during 1988–1994 to 17% during 1999–2002 (4). In individual patients, a high serum total cholesterol level indicates a potential increased risk for heart disease, but further evaluation of other risk factors and the specific components of cholesterol provide the basis for determining the need for initiating therapeutic lifestyle changes or treatment with medication (5). Low-density-lipoprotein (LDL) is the cholesterol component associated with arterial blockage, and it is the primary clinical target for cholesterol management. High-density-lipoprotein (HDL) may help to protect individuals from developing heart disease. In populations, comparisons of total cholesterol levels over time can show if population groups are experiencing improvement in cholesterol levels, and knowledge of trends in levels of total cholesterol can help identify subgroups where additional prevention efforts may be needed.

Keywords: cholesterol • prevalence • trends

Findings

Have serum total cholesterol levels of U.S. adults declined since 1999?

Figure 1. Mean serum total cholesterol levels of adults aged 20 years and older by age and sex, United States, 1999–2006.



SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health and Nutrition Examination Survey, 1999–2006.

Highlights

Data from the National Health and Nutrition Examination Survey

- ▶ Between 1999–2000 and 2005–2006, mean serum total cholesterol levels in adults 20 years and older declined from 204 mg/dL to 199 mg/dL. The decline in mean total cholesterol was observed for men aged 40 years and older and for women aged 60 years and older. There was little change over this time period for other sex-age groups.
- ▶ In 2005–2006, approximately 65% of men and 70% of women had been screened for high cholesterol within the past 5 years.
- ▶ In 2005–2006, 15.7% of adults had serum total cholesterol levels of 240 mg/dL or greater. This is a decline from 17% in 1999–2002.
- ▶ In 2005–2006, approximately 8% of U.S. adults had serum total cholesterol levels greater than or equal to 240 mg/dL but had never been told by a health care provider that their cholesterol levels were high.



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NHANES Stored Specimens Proposals

- Proposals received on a on-going basis
- Many specimens available for research proposals
- Surplus Sera Technical Review Board
- Ethics Review Board

NHANES Stored Specimen Proposal Process

- Proposal for use of specimens
 - Specific aims
 - Background and public health importance
 - Research design and methods
 - Clinical significance of results
 - Qualifications
 - Period of performance
 - Funding

NHANES Stored Specimens Proposals

- Guidelines and details for submitting a proposal can be found at this link:
 - http://www.cdc.gov/nchs/nhanes/genetics/stored_specimens.htm

National Conference on Health Statistics

- August 16-18, 2010
- Omni Shoreham Hotel, Washington, DC
- Celebrating 50 years of NCHS
- For more information see:
 - <http://www.cdc.gov/nchs/events/nchs.htm>



DHANES Priorities for 2010

1. All activities to field
NHANES 2011-2012
2. Prepare new NHANES
data collection contract
3. Complete data release for
NHANES 2007-2008 and
collection of remainder of
2010 data