CHARTING THE COURSE

2010 NATIONAL CONFERENCE ON HEALTH STATISTICS

August 16–18, 2010
Omni Shoreham Hotel
Washington, D.C.
Program Committee

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2010 National Conference on Health Statistics
Welcome!

Welcome to the 2010 National Conference on Health Statistics!

Over the next few days, you will have an opportunity to learn about the latest developments at the National Center for Health Statistics (NCHS) and to hear from some of the Nation’s leaders in the fields of health, health data, and statistics. This year’s Conference coincides with the 50th anniversary of the formation of NCHS—and I hope that you’ll help us celebrate this milestone at the reception on Tuesday evening.

The Conference will focus on the critical importance of data in making an impact on the health and well-being of our population. We will also be sharing our latest data with you and discussing the advances we’ve made in our efforts to improve the quality and timeliness of our products and services. Monday is set aside as a preconference day, with hands-on and discussion sessions on the full range of NCHS data systems. The next two days of the conference will present sessions on research, new developments, and applications, focusing on accomplishments and challenges in the need for and use of data and health statistics. On Tuesday, Dr. Thomas Frieden, Director of the Centers for Disease Control and Prevention, will share with us his vision on the data needed for public health. Katherine Wallman, Chief Statistician of the Office of Management and Budget; Dr. Robert Groves, Director of the Census Bureau; and Dr. Connie Citro of the National Academies’ Committee on National Statistics will discuss how NCHS, the Census Bureau, and other statistical agencies work together to advance the mission of the Federal Statistical System. On Wednesday, Dr. Michael Wolfson, currently on the Faculty of Medicine and Institute of Population Health, University of Ottawa, and recently retired as Assistant Chief Statistician, Statistics Canada, will present his thoughts on the fundamental question of how to measure health.

During the Conference, be sure to stop by our Exhibit Hall, where you can visit with staff from all the major NCHS survey programs, as well as representatives of other organizations that specialize in statistical information. There will also be scientific posters highlighting NCHS findings and other health-related data. During lunch on Tuesday and Wednesday, there will be opportunities to meet with NCHS senior leadership.

All of us at NCHS wish you a most enjoyable conference experience. The staff and I look forward to talking informally with you, to learn from each other and to help advance our mutual interest in improving the health of the American people.

Edward J. Sondik, Ph.D.
Director, National Center for Health Statistics
Centers for Disease Control and Prevention
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General Conference Information

Conference Headquarters

All sessions, workshops, and other conference activities will be held at the Omni Shoreham Hotel, Washington, D.C.

Registration

Sunday, August 15  4:00 p.m. – 8:00 p.m.
Monday, August 16  7:00 a.m. – 6:00 p.m.
Tuesday, August 17  6:30 a.m. – 5:00 p.m.
Wednesday, August 18  7:30 a.m. – 12:00 p.m.

Meet With NCHS Senior Leadership

We invite you to meet with NCHS senior staff to share your thoughts about the conference, NCHS’ survey program, future directions, or related topics. These will be informal sessions, so you can drop in anytime and feel free to bring your lunch. We want to hear from you!

Dates: Tuesday and Wednesday, August 17 and 18, 2010

Time: Lunch Break

Location: The Senate Room

Reception

Tuesday, August 17
5:00 p.m. – 7:00 p.m.

Join us as we celebrate 50 successful years of data collection, analysis, and distribution. Conference participants can greet NCHS staff, make new acquaintances, and join old friends. The Reception will take place in the Ambassador Ballroom (Exhibit Hall).

NCHS gratefully acknowledges support from the following sponsors:

- CDC Foundation
- Council of Professional Associations on Federal Statistics
- Population Association of America
This year’s expanded exhibit and poster showcase offers another venue for more detailed insight into NCHS survey operations and analyses, as well as an opportunity to meet and talk with NCHS staff from all surveys and programs. Representatives from other federal agencies and from nonfederal organizations are also participating.

**Exhibits**

Exhibits are displayed in the Ambassador Ballroom.
- **Monday, August 16** 8:30 a.m. – 4:00 p.m.
- **Tuesday, August 17** 8:00 a.m. – 7:00 p.m.
- **Wednesday, August 18** 8:00 a.m. – 12:00 p.m.

**NCHS Exhibitors**
- NCHS Main Exhibit
- Classifications and Public Health Data Standards
  - Health Data Standards
  - Public Health Data Standards Consortium
- Federal Interagency Statistical Forums: Children, Families, and Older Adults
- National Death Index
- National Health and Nutrition Examination Survey
- National Health Care Surveys
  - National Survey of Residential Care Facilities
- National Health Interview Survey
- Office of Analysis and Epidemiology
  - *Health, United States*
  - Healthy People
- Office of Research and Methodology
  - Research Data Center
- State and Local Area Integrated Telephone Survey
- Vital Statistics and the National Survey of Family Growth

**Non-NCHS Exhibitors**
- Agricultural Research Service, U.S. Department of Agriculture
- Bureau of Economic Analysis
- Bureau of Justice Statistics
- Census Bureau
- Géo-Stat Canada
- Integrated Health Interview Series
- National Highway Traffic Safety Administration
- SAS Americas Marketing and Support
- Social & Scientific Systems, Inc.
- Substance Abuse and Mental Health Data Archive
- University of Maryland University College

**Poster Sessions**

Poster sessions are held in the Bird Cage Walk adjacent to the Ambassador Ballroom.
- **Tuesday, August 17** 10:00 a.m. – 7:00 p.m.
- **Wednesday, August 18** 9:30 a.m. – 12:00 p.m.

Discussants for posters will be available during conference breaks.
- **Tuesday, August 17** 10:00 a.m. – 10:30 a.m. and 3:00 p.m. – 3:30 p.m.
- **Wednesday, August 18** 9:30 a.m. – 10:00 a.m.
Hotel Information
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<td>Section I</td>
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<td>The 2007 National Home and Hospice Care Survey</td>
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<td>3</td>
<td>The National Ambulatory Medical Care Survey (NAMCS) and National Hospital Ambulatory Medical Care Survey (NHAMCS): Data Tools and Basic Programming Techniques</td>
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<td>5</td>
<td>National Health and Nutrition Examination Survey (NHANES): New Information and Current Issues</td>
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<td>6</td>
<td>An Overview of the National Health Interview Survey (NHIS)</td>
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<td>Break</td>
<td>10:30 a.m. — 11:00 a.m.</td>
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<td>Section II</td>
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<td>The National Hospital Discharge Survey (NHDS)</td>
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<td>The National Ambulatory Medical Care Survey (NAMCS) and National Hospital Ambulatory Medical Care Survey (NHAMCS): Advanced Programming Techniques</td>
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<td>What We Eat in America (WWEIA): National Health and Nutrition Examination Survey (NHANES) Dietary Data—What to Know and How to Use It</td>
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<td>12</td>
<td>Birth, Fetal and Infant Mortality Data From the National Vital Statistics System</td>
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<td>Lunch</td>
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<td>Section III</td>
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<td>13</td>
<td>The National Ambulatory Medical Care Survey (NAMCS) and National Hospital Ambulatory Medical Care Survey (NHAMCS): Using NAMCS and NHAMCS Drug Data</td>
<td>Congressional A</td>
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<td>14</td>
<td>Web Tutorial for the National Health and Nutrition Examination Survey (NHANES) Environmental Chemical Data</td>
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<td>Data Access Tools From the Department of Health and Human Services (HHS) and the Inter-university Consortium for Political and Social Research (ICPSR)</td>
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<td>The New, Continuous National Survey of Family Growth (NSFG), 2006–2008</td>
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<td>Overview of the State and Local Area Integrated Telephone Surveys (SLAITS) Data Files</td>
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<td>Break</td>
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<td>Section IV</td>
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<td>Exhibits</td>
<td>8:00 a.m. — 7:00 p.m.</td>
<td>Ambassador Ballroom</td>
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<td>Posters</td>
<td>10:00 a.m. — 7:00 p.m.</td>
<td>Bird Cage Walk</td>
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<tr>
<td>Plenary I</td>
<td>8:30 a.m. — 10:00 a.m. Improving Public Health: Data Informing Policy and Action</td>
<td>Regency Ballroom</td>
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<tr>
<td>Break</td>
<td>10:00 a.m. — 10:30 a.m.</td>
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<tr>
<td>Poster I</td>
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<td>Concurrent I</td>
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<td>25</td>
<td>Nutritional Biomarkers for Vitamin D and Folate: Informing and Monitoring the Impact of Nutrition Policies</td>
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<td>Mortality Data From Vital Statistics as a Surveillance Tool: Untapped Potential</td>
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<td>Annual Interchange Between Statistics Canada and NCHS: Eleven Years of Synergy</td>
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<tr>
<td>Lunch</td>
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<tr>
<td>NCHS Meet</td>
<td>Meet With NCHS Senior Leadership (Informal – feel free to bring your lunch)</td>
<td>Senate</td>
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# Conference at a Glance

**Tuesday, August 17, 2010**

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<tr>
<th>Session</th>
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<th>Room</th>
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</table>
| **Plenary II**| 1:30 p.m. — 3:00 p.m.  
Taking Stock of the Nation:  
The Federal Statistical System | Regency Ballroom    |
| **Break**     | 3:00 p.m. — 3:30 p.m.                                                 |                    |
| **Poster II** | **Discussant:** 3:00 p.m. — 3:30 p.m.                                 | Bird Cage Walk     |
| **Concurrent II** | 3:30 p.m. — 5:00 p.m.                                              |                    |
| 31            | Working With Injury Data From NCHS                                    | Executive          |
| 32            | Panel Discussion on Future Directions for the U.S. Vital Statistics  
System: Mortality Data | Congressional A    |
| 33            | Annual Interchange Between Statistics Canada and NCHS:  
Highlights of Collaborative Successes | Congressional B    |
| 34            | Handling Missing Data in Complex Surveys                              | Regency Ballroom   |
| 35            | Realizing the Potential of Electronic Health Records                  | Diplomat           |
| 36            | Development of State-based Estimates From Survey Data                 | Palladian          |
| **Reception** | 5:00 p.m. — 7:00 p.m.  
Conference Reception  
Sponsored by: CDC Foundation  
Council of Professional Associations on Federal Statistics  
Population Association of America | Ambassador Ballroom  |
## Conference at a Glance

**Wednesday, August 18, 2010**

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<td>Posters</td>
<td>9:30 a.m. — 12:00 p.m.</td>
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<tr>
<td>Plenary III</td>
<td>8:30 a.m. — 9:30 a.m. Measuring Health</td>
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<td>Break</td>
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<tr>
<td>Poster III</td>
<td>Discussant: 9:30 a.m. — 10:00 a.m.</td>
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<td>Concurrent III</td>
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<td>37</td>
<td>Examining Complex Health Issues Through Data Linkage</td>
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<td>39</td>
<td><em>Health, United States</em>: History, Uses, and Future Directions</td>
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<td>40</td>
<td>Innovative Study Designs in Health Measures Data Collection</td>
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<td>Methodological Issues in the Assessment of Health Disparities</td>
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<td>42</td>
<td>Insurance Status, Access to Health Care, and Health Outcomes</td>
<td>Regency Ballroom</td>
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<tr>
<td>Lunch</td>
<td>11:30 a.m. — 1:00 p.m.</td>
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<td>International Health Rankings: A Look Behind the Numbers</td>
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<td>Improving Data for Heart Disease and Stroke Prevention</td>
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<td>Why It’s Worth the Trouble: Use of Special Methods to Achieve Better Analysis of Survey Data</td>
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<td>Childhood Obesity in the United States</td>
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<td>The Coming of Age of Disability Statistics</td>
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<tr>
<td><strong>Break</strong></td>
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<td><strong>Concurrent V</strong></td>
<td>3:00 p.m. — 4:30 p.m.</td>
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<td>49</td>
<td>Question Evaluation, Validity, and Survey Data Quality</td>
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<td>Building Information Capacities for Enhancing Population Health and Health Care: A View From the National Committee on Vital and Health Statistics (NCVHS)</td>
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<td>National Perspectives on Emergency Department Crowding</td>
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Exhibits 8:30 a.m. — 4:00 p.m

Section I 9:00 a.m. — 10:30 a.m.

Hands-on Sessions
( limited to 50 registrants)

1. The 2007 National Home and Hospice Care Survey (NHHCS)

This workshop will present an overview of the 2007 NHHCS, along with computer exercises that demonstrate how to access and analyze the NHHCS public-use files, including the Agency file with data on agency characteristics and the Patient files with data on diagnoses, medications, and functional status, among other items. The workshop is intended for experienced analysts skilled in SAS.

Speaker:
Frederic H. Decker, Ph.D.
Division of Health Care Statistics

Sponsor:
Division of Health Care Statistics

2. Health Data Interactive (HDI)

The basic features of accessing, opening, and customizing data tables on the HDI Internet site will be introduced at the beginner level. Additional features such as charting, mapping, and downloading tables for offline use will also be covered. Attendees will accomplish all navigation and customization tasks on Internet-capable computers and will perform example tasks to illustrate and reinforce the concepts learned.

Organizer:
Lara Akinbami, M.D.
Office of Analysis and Epidemiology

Speaker:
Lara Akinbami, M.D.
Office of Analysis and Epidemiology

Sponsor:
Office of Analysis and Epidemiology

3. The National Ambulatory Medical Care Survey (NAMCS) and National Hospital Ambulatory Medical Care Survey (NHAMCS): Data Tools and Basic Programming Techniques

This session will provide instruction in using NAMCS and NHAMCS public-use data files to analyze health care utilization in the outpatient and physician office settings. A brief look at interactive data tools will be and SETS will be followed by exercises using SAS and Stata computer programs to read and analyze survey data and compute variances.

Speakers:
Farida A. Bhuiya, M.P.H.
Chun-Ju Hsiao, Ph.D.
Division of Health Care Statistics

Sponsor:
Division of Health Care Statistics

4. Finding Key Resources From NCHS

This workshop will include several learning modules that should equip students and researchers to locate statistical information for health research. Participants will be asked to solve a series of scenarios using the NCHS and CDC websites as the main data sources.

Organizer/Chair:
Anthony Quintana
Office of Information Services
Conference Schedule
Monday, August 16, 2010

Speakers:
- Evangeline Adams
- Anthony Quintana
- Alana Yick
  Office of Information Services

Sponsor:
Office of Information Services

**Educational Sessions**


This session will update users on the new sample design and current plans for the content of NHANES 2011–2014. An overview of new information that will be available from NHANES 2007–2008 will also be provided.

Organizer/Chair:
Susan Schober, Ph.D.
Division of Health and Nutrition Examination Surveys

Speakers:
- Lester R. Curtin, Ph.D.
- Vicki Burt, Sc.M., R.N.
- Natalie Dupree, M.S.
  Division of Health and Nutrition Examination Surveys

Sponsor:
Division of Health and Nutrition Examination Surveys

6. An Overview of the National Health Interview Survey (NHIS)

Users new to NHIS data, or those who need a refresher, are encouraged to attend this workshop, which will include a brief introduction to the history, development, purpose, data access, and current activities of NHIS. Question content, sample design, weighting, and variance estimation will also be presented, along with two examples of research using NHIS data.

Organizer/Chair:
Jacqueline Lucas, M.P.H.
Division of Health Interview Statistics

Speakers:
- Jane Gentleman, Ph.D.
  Division of Health Interview Statistics
- Christopher Moriarity, Ph.D.
  Division of Health Interview Statistics
- Catherine Simile, Ph.D.
  Division of Health Interview Statistics
- Charlotte Schoenborn, M.P.H.
  Division of Health Interview Statistics

Sponsor:
Division of Health Interview Statistics

Break 10:30 a.m. — 11:00 a.m.
Section II 11:00 a.m. — 12:30 p.m.

**Hands-on Sessions**  
*(limited to 50 registrants)*

### 7. The National Hospital Discharge Survey (NHDS)

This workshop will provide an opportunity for users of NHDS to learn how to perform trend analyses with the survey data. Participants will receive the NHDS 1979–2007 Multi-year Data File on CD-ROM and will gain proficiency in loading the data file, reading it into SAS, creating analysis variables from the medical diagnosis and procedures coded on the record, and running elementary SAS procedures such as PROC FREQ, PROC MEANS, and PROC TABULATE. Formal instruction will be provided, but the session will emphasize hands-on exercises. NCHS analysts who have worked with the survey will be available to provide technical support and answer questions about programming and statistical techniques appropriate for the data.

**Speakers:**  
*Shaleah Patzer, M.P.H.*  
*Maria F. Owings, Ph.D.*  
*Division of Health Care Statistics*

**Sponsor:**  
Division of Health Care Statistics

### 8. Beginner’s Session: The National Health Interview Survey (NHIS)

Attendees will learn how to access data, create analytic files, and run basic statistical programs. NHIS staff members will be available to assist and answer questions. Participants should have some experience using SAS, but experience with NHIS datasets is not required. Assistance with Stata syntax and programs will also be provided.

**Speakers:**  
*Patricia Barnes, M.A.*  
*John Pleis, M.S.*  
*Michael Martinez, M.P.H., M.H.S.A.*  
*Christopher Moriarity, Ph.D.*  
*Division of Health Interview Statistics*

**Sponsor:**  
Division of Health Interview Statistics

### 9. The National Ambulatory Medical Care Survey (NAMCS) and National Hospital Ambulatory Medical Care Survey (NHAMCS): Advanced Programming Techniques

This workshop for the advanced user will provide SAS and Stata examples and instruction in the following areas: providing estimates using the physician weight, methodology and creation of a patient weight, simple linear regression predicting time spent with physician, and simple logistic regression predicting visits with a primary diagnosis of hypertension.

**Speakers:**  
*Donald K. Cherry, M.S.*  
*Division of Health Care Statistics*

**Sponsor:**  
Division of Health Care Statistics

### 10. What We Eat in America (WWEIA): National Health and Nutrition Examination Survey (NHANES) Dietary Data—What to Know and How to Use It

This session will help participants gain an understanding of the NHANES complex dietary data and documentation and the technical support files of the USDA Food and Nutrient Database for Dietary Studies. Particular emphasis will be placed on the collection and dissemination of dietary data. Participants will learn what information on food, nutrient intake, and sociodemographic characteristics included in the data files is important in dietary intake.
analysis. Dietary components include food codes and descriptions, nutrient values, combination codes, eating occasions, food source, day of the week, and time of day. The basic steps in using WWEIA NHANES data will be discussed, with special attention given to identifying appropriate types of analyses.

Organizer/Chair:
Alanna J. Moshfegh, M.S., R.D.
U.S. Department of Agriculture

Speakers:
Alanna J. Moshfegh, M.S., R.D.
Randy LaComb, M.S.
Joseph D. Goldman, M.S.
U.S. Department of Agriculture

Sponsor:
Agricultural Research Service, U.S. Department of Agriculture

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Educational Sessions

11. NCHS’ Record Linkage Program

NCHS’ record linkage program is designed to maximize the scientific value of the Center’s population-based surveys. NCHS linked data files enable researchers to examine factors that influence disability, chronic disease, health care utilization, morbidity, and mortality. NCHS is currently linking various NCHS surveys with air monitoring data from the Environmental Protection Agency; death certificate records from the National Death Index; Medicare and Medicaid enrollment and claims data from the Centers for Medicare & Medicaid Services; and retirement, survivor, and disability insurance and supplemental security income benefit data from the Social Security Administration. This session will describe current and planned record linkage activities, data availability, and analytic issues, and the access procedures available for users.

Organizer:
Kimberly A. Lochner, Sc.D.
Office of Analysis and Epidemiology

Chair:
Christine S. Cox, M.S.
Centers for Medicare & Medicaid Services

Speaker:
Christine S. Cox, M.S.
Centers for Medicare & Medicaid Services

Sponsor:
Office of Analysis and Epidemiology

12. Birth, Fetal and Infant Mortality Data from the National Vital Statistics System

This session will describe the national birth, fetal death, and linked birth/infant death files and will provide updates on the content, availability, and use of these national files. U.S. vital statistics data on births and fetal and infant deaths are widely used to describe the demographic characteristics of women at the time of birth, to monitor trends in infant and maternal health, and to improve our understanding of adverse pregnancy outcomes. Presenters will also discuss the use of the revised natality data in research, as well as issues related to the needs of the research community and future directions.

Organizer:
Brady E. Hamilton, Ph.D.
Division of Vital Statistics

Chair:
Joyce A. Martin, M.P.H.
Division of Vital Statistics

Speakers:
Updates and Issues: Birth and Perinatal Data
Michelle J.K. Osterman, M.H.S.
Division of Vital Statistics
Issues Related to the Needs of the Research Community and Future Directions  

Michigan State University

The Use of Revised Natality Data in Research  

Danielle T. Barradas, Ph.D.  
National Center for Chronic Disease Prevention and Health Promotion, CDC

Sponsor:  
Division of Vital Statistics

Lunch 12:30 p.m. — 2:00 p.m.

Section III 2:00 p.m. — 3:30 p.m.

Hands-on Sessions  
(limited to 50 registrants)

13. The National Ambulatory Medical Care Survey (NAMCS) and National Hospital Ambulatory Medical Care Survey (NHAMCS): Using NAMCS and NHAMCS Drug Data  

This workshop is for anyone interested in using NAMCS and NHAMCS drug data. It presupposes basic familiarity with the surveys. Since the 2006 survey year, NAMCS and NHAMCS have utilized Multum Lexicon therapeutic class categories for the first time and have produced a separate data file for drug ingredients. The characteristics and structure of the drug variables will be discussed, and SAS programs will be used to demonstrate techniques for analyzing current and trended medication data.  

Speakers:  
Susan M. Schappert, M.A.

14. Web Tutorial for the National Health and Nutrition Examination Survey (NHANES) Environmental Chemical Data  

This session will demonstrate how to use a newly developed, special-topic web tutorial for NHANES environmental chemical data. This self-learning tool complements the existing NHANES tutorials and is designed for users of NHANES environmental chemical data. Instructions will be provided using actual examples of statistical programs and outputs. Main topics include (i) preparing analytic data files, including locating variables of interest; (ii) merging data files; (iii) using appropriate environmental subsample weights; (iv) managing laboratory limit of detection values; and (v) generating statistical estimates with SAS and SUDAAN. Important analytic issues regarding environmental chemical data will also be discussed, such as limitations of environmental chemical measures, changing availability of environmental measures, and use of creatinine or lipid adjustments of the chemicals measured in urine and blood, respectively.  

Organizer/Chair:  
Mark Eberhardt, Ph.D.  
Division of Health and Nutrition Examination Surveys

Speakers:  
Debra J. Brody, M.S.  
Charles Dillon, M.D., Ph.D.  
Jennifer Dostal  
Mark Eberhardt, Ph.D.  
Lisa Mirel, M.S.  
Quiping Gu, M.D., Ph.D.  
Cindy Zhang, M.D., M.P.H.  
Division of Health and Nutrition Examination Surveys
**Conference Schedule**

**Monday, August 16, 2010**

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**Sponsor:**
Division of Health and Nutrition Examination Surveys

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15. **Data Access Tools From the Department of Health and Human Services (HHS) and the Inter-university Consortium for Political and Social Research (ICPSR)**

Participants will explore the data access tools available from HHS and ICPSR. The session will introduce the HHS Gateway to Data and Statistics website and demonstrate its capabilities, including a user-friendly, highly focused search tool for finding specific health data and statistics on the Web. ICPSR will highlight several of its Web-based, searchable data collections that cover a number of topics, including health, aging, substance abuse and mental health, and criminal justice, and will demonstrate tools for finding specific data and for analyzing data online.

**Organizer/Chair:**
Tammy Stewart-Prather, M.A.
Office of Information Services

**Speakers:**

ICPSR: Partnerships, Tools, and Data for Teaching, Learning, and Research

JoAnn McFarland O’Rourke, M.S.W.
University of Michigan

HHS Gateway to Statistics and Data: One-stop Tool for National Health and Human Services Data

Rashida Dorsey, Ph.D., M.P.H.
Office of Science and Data Policy, Department of Health and Human Services

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NSFG had a major design shift in June 2006 when it began continuous interviewing. Previously, it had been a periodic survey conducted every 6 or 7 years. This session will detail what the shift in design means for researchers analyzing the first data release. The first release includes interviews with 7,356 women and 6,139 men conducted from June 2006 through December 2008. The content of the year 1 continuous 2006–2008 questionnaire will be compared with the cycle 6 questionnaire, and changes that occurred in years 1–3 will be discussed. The workshop will cover the proper use of cluster, sample, and weight variables for the files and for combined files (e.g., respondents interviewed in 2002 and in 2006–2008). The effect of continuous interviewing on standard errors of point estimates will be discussed, and guidelines for reporting findings will be presented. The workshop will end with a preview of the second data file (anticipated for release mid-2011) and ample time for questions and answers. Handouts will be provided.

**Organizer/Chair:**
Jo Jones, Ph.D.
Division of Vital Statistics

**Speakers:**

Anjani Chandra, Ph.D.
Gladys M. Martinez, Ph.D.
Bill Mosher, Ph.D.
Division of Vital Statistics

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**Sponsor:**
Division of Vital Statistics
17. Practical Applications in Design and Analysis of Complex Sample Surveys

Presentations will provide an overview of survey design features and guidance for incorporating these features into the analysis of survey data. The session specifically will include design features of telephone and multimode surveys, as well as features used in surveys of households and establishments.

Organizer:  
Meena Khare, M.S.  
Office of Research and Methodology

Chair:  
Joe Fred Gonzalez, Jr., M.S.  
Office of Research and Methodology

Speakers:  
Complex Sample Surveys  
Meena Khare, M.S.  
Office of Research and Methodology

Address-based Sampling (ABS): Merits, Design, and Implementation  
Mansour Fahimi, Ph.D.  
Marketing Systems Group

Features of Complex Sample Survey Designs  
Iris Shimizu, Ph.D.  
Office of Research and Methodology

Survey Design Issues Arising in the Analysis of Complex Survey Data: A Short Overview  
Van Parsons, Ph.D.  
Office of Research and Methodology

Sponsor:  
Office of Research and Methodology

18. Overview of the State and Local Area Integrated Telephone Surveys (SLAITS) Data Files

The State and Local Area Integrated Telephone Survey (SLAITS) is a mechanism for conducting one-time and periodic surveys. In the past 10 years, SLAITS has conducted several large- and small-scale surveys on the health of children and adolescents. This session will provide an overview of the major surveys, including the National Survey of Children's Health, the National Survey of Children With Special Health Care Needs, the National Survey of Adoptive Parents, and the Survey of Adult Transition and Health, as well as upcoming surveys, including one on autism spectrum disorders. The larger SLAITS projects offer sufficient sample size to analyze data at the state and subpopulation levels. The smaller surveys target special population subgroups and follow children identified during an earlier survey, offering observations at two points in time.

Organizer:  
Marcie Cynamon, M.A.  
Division of Health Interview Statistics

Chair:  
Stephen Blumberg, Ph.D.  
Division of Health Interview Statistics

Speakers:  
Overview of SLAITS  
Stephen Blumberg, Ph.D.  
Division of Health Interview Statistics

Data Linkages in SLAITS  
Matthew Bramlett, Ph.D.  
Division of Health Interview Statistics

Comparing Child and Adolescent Health Data From the National Survey of Children With Special Health Care Needs and the National Survey of Children's Health  
Rosa Avila, M.S.P.H.  
Division of Health Interview Statistics

Children With Special Health Care Needs Grow Up: The 2007 Survey of Adult Transition and Health  
Kathleen O’Connor, M.P.H.  
Division of Health Interview Statistics
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Sponsor:
Division of Health Interview Statistics

Break 3:30 p.m. — 4:00 p.m.

Section IV 4:00 p.m. — 5:30 p.m.

Hands-on Sessions
(limit to 50 registrants)

19. VitalStats—An Online Data Access Tool

This workshop will demonstrate how to use the VitalStats online data access tool and will discuss recent changes to the system. VitalStats includes a very large and growing collection of birth, death, and fetal death tables and files from which users may build their own tables. All tables—whether built by the user or prebuilt—are fully interactive. Users will be shown how to employ VitalStats’ interactive capabilities, including mapping and graphing, for basic analysis, and how to export table data to Excel for more sophisticated analysis.

Organizer/Chair:
Paul D. Sutton, Ph.D.
Division of Vital Statistics

Speakers:
Paul D. Sutton, Ph.D.
T. J. Mathews, M.S.
Division of Vital Statistics

20. The National Survey of Children's Health (NSCH)

NSCH, conducted in 2003 and 2007–2008, examines the physical and emotional health and health care of children aged 0–17 years. Other factors that relate to the well-being of children—including medical homes, family interactions, parental health, school and after-school experiences, and neighborhood characteristics—are also available at the national, state, and subpopulation levels. This session will inform experienced analysts about NSCH data-file use. Participants will learn how to prepare data for analysis and will use SAS, SUDAAN, or Stata to produce cross-tabulations and conduct logistic regression analysis.

Organizer/Chair:
Julian Luke
Division of Health Interview Statistics

Speakers:
Julian Luke, assisted by Rosa Avila, M.S.P.H.
Kathleen O’Connor, M.P.H.
Matthew Bramlett, Ph.D.
Division of Health Interview Statistics

Sponsor:
Division of Health Interview Statistics

21. Advanced Session: The National Health Interview Survey (NHIS)

Using data from NHIS, attendees will learn how to merge multiple years of data files, access and use the NHIS imputed income files, and use SAS-callable SUDAAN in logistic regression and other multivariate analyses. NHIS staff members will be available to assist and answer questions. Participants should have some experience using SAS and some experience with NHIS datasets. Assistance with Stata syntax and programs will also be provided.

Speakers:
Patricia Barnes, M.A.
Conference Schedule

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John Pleis, M.S.
Renee Gindi, Ph.D.
Christopher Moriarity, Ph.D.
Division of Health Interview Statistics

Sponsor:
Division of Health Interview Statistics

Educational Sessions

22. New Developments for the International Classification of Diseases (ICD) and the International Classification of Functioning, Disability and Health (ICF)

ICD and ICF are two critical components in the suite of health-related classifications published by the World Health Organization. NCHS plays a leadership role in maintaining, contributing to updates, and raising awareness about ICD and ICF, as well as using them in daily practice. The Center collaborates with other agencies in the Department of Health and Human Services, with representatives throughout the government and private sector, and with our counterparts in Canada to ensure the broadest possible utilization of these classifications and to provide training in their use. ICD and ICF each provide a theoretical orientation toward health and illness, as well as a practical orientation toward summarizing health status with coded descriptions interpretable around the world. This session will feature presentations on the latest developments with both ICD and ICF and will emphasize their complementary relationship.

Organizer:
Missy Jamison, M.P.H.
Classifications and Public Health Data Standards

Chair:
Donnamaria Pickett, R.H.I.A., M.P.H.
Classifications and Public Health Data Standards

Speakers:
An Update on the ICD–10 Code Sets
Donnamaria Pickett, R.H.I.A., M.P.H.
Classifications and Public Health Data Standards

The Complementary Relationship Between ICD and ICF
John Hough, Dr.P.H.
Classifications and Public Health Data Standards

Sponsor:
Classifications and Public Health Data Standards

23. An Overview of the U.S. Mortality Data System From the National Vital Statistics System and a Description of the National Death Index

This session will describe how mortality data are collected, compiled, and disseminated. The main data elements included in the data files available from NCHS will also be discussed. In addition, the National Death Index program and its relevance to research efforts nationwide will be described.

Organizer/Chair:
Arialdi M. Miniño, M.P.H.
Division of Vital Statistics

Speakers:
Mortality Data From the National Vital Statistics System: An Overview
Arialdi M. Miniño, M.P.H.
Division of Vital Statistics

The National Death Index Experience
Robert O. Bilgrad
Division of Vital Statistics

Sponsor:
Division of Vital Statistics
24. The Research Data Center (RDC): Accessing Restricted Variables From NCHS

Presenters will describe the role of the RDC in accessing restricted NCHS variables for research purposes. At the conclusion of the session, participants will know (i) the types of research projects that require an RDC proposal, (ii) the rules and restrictions placed on researchers to maintain the confidentiality of survey respondents, and (iii) how the RDC uses information technology to improve analyses and increases access to data.

Organizer:
Peter S. Meyer, M.A., M.P.H.
Research Data Center

Chair:
Tabatha McNeill, M.P.H.
Research Data Center

Speakers:
An Introduction to the Research Data Center
Tabatha McNeill, M.P.H.
Research Data Center

Confidentiality Orientation
Stephanie Robinson, M.P.H.
Research Data Center

Information Technology
Peter S. Meyer, M.A., M.P.H.
Research Data Center

Recent Research at the RDC
Deborah Rose, Ph.D.
Research Data Center

Sponsor:
Research Data Center
Conference Schedule
Tuesday, August 17, 2010

Exhibits 8:00 a.m. — 7:00 p.m
Posters 10:00 a.m. — 7:00 p.m

Opening Plenary Session I
8:30 a.m. — 10:00 a.m.

Improving Public Health: Data Informing Policy and Action

Health policy decisions are made every day. How do we know where to focus? How do we know when we have succeeded? This session will address the kinds of data that are needed and used to inform public health policy and implementation and will discuss how NCHS and other organizations meet those needs.

Greetings and Introduction
Joe Fred Gonzalez, Jr., M.S.
Office of Research and Methodology, NCHS

Welcome
Edward J. Sondik, Ph.D.
Director, NCHS

Keynote Address
Data for Public Health Needs
Thomas R. Frieden, M.D., M.P.H.
Director, CDC
Administrator, Agency for Toxic Substances and Disease Registry

Responding to the Need for Data
Edward J. Sondik, Ph.D.
Director, NCHS

Break 10:00 a.m. — 10:30 a.m.

Discussant: Poster Session I
10:00 a.m. — 10:30 a.m.

Concurrent Sessions I
10:30 a.m. — 12:00 p.m.

25. Nutritional Biomarkers for Vitamin D and Folate: Informing and Monitoring the Impact of Nutrition Policies

Nutritional biomarkers are an important component in assessing the nutritional status of the population. The uses of this type of data are varied and broad. For example, government agencies use these data to inform policy and program development and evaluation. In this session, two current nutritional biomarkers of high interest—Vitamin D and folate—will be used to discuss the application of national biomarker data from the National Health and Nutrition Examination Survey. The challenges of using these data, especially for time trends, will also be presented.
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Organizer/Chair:
Clifford L. Johnson, M.S.P.H.
Division of Health and Nutrition Examination Surveys

Speakers:
Interpreting Folate Status With Biomarker and Intake Information From NHANES
Christine M. Pfeiffer, Ph.D.
National Center for Environmental Health

How Research is Informing Public Health Policy Related to Vitamin D
Paul M. Coates, Ph.D.
National Institutes of Health

Dietary Reference Intakes Framework
Christine L. Taylor, Ph.D.
The National Academies
Clifford L. Johnson, M.S.P.H.
Division of Health and Nutrition Examination Surveys

Sponsor:
Division of Health and Nutrition Examination Surveys


As more states move toward the use of electronic death registration (EDR) systems to register death events, their mortality data become timelier. This opens up the possibility of using vital records for epidemic and disease surveillance. This session will host presentations that explore the feasibility of this concept and examine the use and adoption of EDRs from the states’ perspective.

Organizer:
Arialdi Miniño, M.P.H.
Division of Vital Statistics

Chair:
Robert N. Anderson, Ph.D.
Division of Vital Statistics

Speakers:
Interoperating Death Registration and Electronic Health Record Systems for More Timely Mortality Surveillance
Barry Nangle, Ph.D.
Utah Center for Health Data
Rose Trasatti
National Association for Public Health Statistics and Information Systems

Vision for Mortality Data Used for Surveillance
Robert N. Anderson, Ph.D.
Division of Vital Statistics

Quantitative Methods for Analyzing Continuous-flow Mortality Data
Myron J. Katzoff
Diba Khan
Office of Research and Methodology

Sponsor:
Division of Vital Statistics

27. Annual Interchange Between Statistics Canada and NCHS: Eleven Years of Synergy

Since 1999, NCHS and health statisticians at Statistics Canada have held an annual invitation-only conference (the “Interchange”) in which they discuss the many activities they have in common in conducting health surveys. The Interchanges have fostered synergistic interactions between the two agencies—beyond the conferences themselves—and have led to a number of collaborative activities and products. This first of two sessions on the Interchanges will highlight the early history of the Interchanges and the challenges faced in collaborating on two major projects.

Organizer:
Julie D. Weeks, Ph.D.
Office of Analysis and Epidemiology

Chair:
Jennifer H. Madans, Ph.D.
Office of the Center Director
Speakers:

Why Do We Have an Interchange?
Edward J. Sondik, Ph.D.
NCHS
Gary Catlin, Ph.D.
Statistics Canada

Eleven Years of the Interchange Between Statistics Canada and NCHS
Jane Gentleman, Ph.D.
Division of Health Interview Statistics

Operational Challenges in Conducting the Joint Canada/United States Survey of Health (JCUSH)
Catherine M. Simile, Ph.D.
Division of Health Interview Statistics

Physical Examination Survey Collaborations
Jeanine Bustros
Statistics Canada
Clifford L. Johnson, M.S.P.H.
Division of Health and Nutrition Examination Surveys

Sponsor:
Office of Analysis and Epidemiology

28. Nursing Home Data for the 21st Century

The field of long-term care and the nursing home industry has experienced changing dynamics in recent years. Changing demographics, the growing “culture change” movement to improve the quality of care and life in nursing homes, pay-for-performance initiatives, shifts in the composition of long-stay versus short-stay residents, workforce challenges, and nursing home transition efforts are among the multitude of factors contributing to a changing environment in which nursing homes must continue to adapt. What impact will these factors have on the future of nursing homes? What will be the future of nursing homes within the larger long-term care continuum? What will nursing homes of the future look like? And, what role is the federal statistical system ideally situated to play to help answer these and related long-term care policy questions for the next decade? This session will offer perspectives on the critical questions that need to be addressed to inform national long-term care policies, the data currently available to answer these questions, and the questions that cannot be answered due to gaps in the existing data.

Organizers:
Manisha Sengupta, Ph.D.
Lauren Harris-Kojetin, Ph.D.
Division of Health Care Statistics

Chair:
Lauren Harris-Kojetin, Ph.D.
Division of Health Care Statistics

Speakers:
Setting a Context
Lauren Harris-Kojetin, Ph.D.
Division of Health Care Statistics

Critical Questions to Inform Future Long-term Care Policies
Ruth Katz, M.A.
Office of Disability, Aging, and Long-term Care Policy, Department of Health and Human Services

Data Needs to Answer Long-term Care Policy Questions
Vincent Mor, Ph.D., M.E.D.
Brown University

Commentary: Critical Questions to Inform Long-term Care — A Provider Perspective
Robyn Stone, Dr.P.H.
Institute for the Future of Aging Services

Commentary: Critical Questions to Inform Long-term Care — A Consumer Perspective
Susan Reinhard, Ph.D., R.N., F.A.A.N.
AARP International

Sponsor:
Division of Health Care Statistics
29. **Teenage Pregnancy and Childbearing**

This session will present data on adolescent sexual risk behaviors, pregnancies, and trends in births to teenagers. It will discuss teenage pregnancy prevention programs, as well as the consequences of being a teenage parent and the costs associated with teenage childbearing.

**Organizer/Chair:**
Jo Jones, Ph.D.
Division of Vital Statistics

**Speakers:**

**Teenagers in the United States: Sexual Activity, Contraceptive Use, and Childbearing, 2006–2008**
Joyce C. Abma, Ph.D.
Gladys M. Martinez, Ph.D.
Division of Vital Statistics

Stephanie J. Ventura, M.A.
Division of Vital Statistics

**Trends in Sex Education and Teen Pregnancy Prevention Programs**
Kristine Andrews, Ph.D.
Child Trends

**The Costs and Consequences of Teen Childbearing**
Katherine Suellentrop, M.P.H.
The National Campaign to Prevent Teen and Unplanned Pregnancy

**Discussant:**
John Santelli, M.D., M.P.H.
Columbia University

**Sponsor:**
Division of Vital Statistics

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30. **The Ambiguity of Race: Making Sense of the Melting Pot**

As we work toward monitoring and eliminating racial and ethnic health disparities, the measurement of race/ethnicity is critical. At the same time, it is becoming harder to measure with the increasing awareness of the complexity of race/ethnicity and numbers of multiracial individuals. Solutions offered have ranged from ever finer categorizations of ethnicity to eliminating all racial/ethnic categories. Either solution presents challenges for analysts and others attempting to understand underlying causes of health disparities. This session examines the meaning and history of racial/ethnic categories, strategies used to analyze racial/ethnic data given the constraints of how they are collected, and a future vision for how the reporting of race and ethnicity might be improved to help better understand health disparities.

**Organizer/Chair:**
Virginia S. Cain, Ph.D.
Office of the Center Director

**Speakers:**

**Understanding the Association Between Race and Health: Patterns, Paradoxes, and Prospects**
David R. Williams, Ph.D.
Harvard University

Reynolds Farley, Ph.D.
University of Michigan

**Producing U.S. Life Tables by Race and Ethnicity: Data Challenges and Methodological Strategies**
Elizabeth Arias, Ph.D.
Division of Vital Statistics

**Sponsor:**
Office of the Center Director
Lunch 12:00 p.m. — 1:30 p.m.
and Meet NCHS Senior Leadership

Plenary Session II
1:30 p.m. — 3:00 p.m.

Taking Stock of the Nation:
The Federal Statistical System

How do we know what we know about the United States? What regions of the country have the greatest population growth? Will the demand for new schools be increasing or decreasing? Is the American diet nutritionally adequate? How healthy are we? The Federal Statistical System is composed of 13 agencies whose principal mission is to provide such information on the U.S. population. The largest undertaking is the decennial census, which attempts to count and collect basic information on every resident of the United States. But the information collected by each agency can be vital to the mission and programs of other statistical agencies. This session examines the innovations and challenges in collecting this kind of information and the interrelationships within the statistical system, focusing in particular on the impact of NCHS.

Chairperson
Edward J. Spar
Executive Director, Council of Professional Associations on Federal Statistics

Keynote Speakers

Katherine K. Wallman
Chief Statistician, U.S. Office of Management and Budget

Robert M. Groves, M.A., Ph.D.
Director, U.S. Census Bureau

Constance F. Citro, M.A., Ph.D.
Director, Committee on National Statistics, The National Academies

Break 3:00 p.m. — 3:30 p.m.

Discussant: Poster Session II
3:00 p.m. — 3:30 p.m.

Concurrent Sessions II
3:30 p.m. — 5:00 p.m.

31. Working With Injury Data From NCHS

This session will focus on the four primary sources of injury data at NCHS: (i) multiple causes of death data, (ii) the National Hospital Discharge Survey, (iii) the National Hospital Ambulatory Medical Care Survey, and (iv) the National Health Interview Survey. Each speaker will present highlights of analyses that
enhance the existing data set or highlight important methodological work. Methods for accessing the injury data and tools to work with injury-related International Classification of Diseases (ICD) codes will be discussed. The end of the session will be devoted to an expert panel to emerging issues in injury research and to answer questions specific to your research ideas using NCHS data.

Organizer:
Li Hui Chen, Ph.D.
Office of Analysis and Epidemiology

Chair:
Margaret Warner, Ph.D.
Office of Analysis and Epidemiology

Speakers:
Comparisons Among Injury Estimates From a Health Interview Survey and Medical Care Provider-based Surveys
Li Hui Chen, Ph.D.
Office of Analysis and Epidemiology

Comparing State and National Injury Statistics: Examples From Colorado
Holly Hedegaard, M.D., M.S.P.H.
Colorado Department of Public Health and Environment

International Injury Comparisons Using the ICE-developed Injury Indicators
Margaret Warner, Ph.D.
Office of Analysis and Epidemiology

Claudia A. Steiner, M.D., M.P.H.
Agency for Healthcare Research and Quality

Identifying Accidental Passenger Vehicle Nontransport Incidents in the National Vital Statistics System
Seymour D. Stern
National Highway Traffic Safety Administration, U.S. Department of Transportation

Sponsor:
Office of Analysis and Epidemiology

32. Panel Discussion on Future Directions for the U.S. Vital Statistics System Mortality Data

Major users of U.S. mortality data based on death certificates discuss areas of potential growth for the National Vital Statistics System (NVSS), which compiles such data. Panel members are expected to cover issues related to the needs of the research community, such as improvements in data quality, the analytic potential of more timely data, and untapped synergies involving data linkages.

Organizer:
Arialdi Miniño, M.P.H.
Division of Vital Statistics

Chair:
Robert N. Anderson, Ph.D.
Division of Vital Statistics

Speakers:
Improving Mortality Data
Irma Elo, Ph.D.
University of Pennsylvania
Eric Stallard
Duke Center for Population Health and Aging
Richard Rogers, Ph.D.
University of Colorado Institute of Behavioral Science, Population Center
Christine L. Himes, Ph.D.
Syracuse University

Sponsor:
Division of Vital Statistics

33. Annual Interchange Between Statistics Canada and NCHS: Highlights of Collaborative Successes

Since 1999, NCHS and health statisticians at Statistics Canada have held an annual invitation-only conference
(the “Interchange”) in which they discuss the many activities they have in common in conducting health surveys. The Interchanges have led to a number of collaborative activities and products. This second of two sessions on the Interchanges will address the importance and challenges of international comparative research, with specific examples of research published to date and ongoing collaborations.

Organizer/Chair:
Julie D. Weeks, Ph.D.
Office of Analysis and Epidemiology

Speakers:
Why Conduct International Comparisons?
Michael C. Wolfson, Ph.D.
University of Ottawa

Vitamin D: Challenges in Comparing Data From the Canadian Health Measurements Survey and NHANES
Clifford L. Johnson, M.S.P.H.
Division of Health and Nutrition Examination Surveys
Jeanine Bustros
Statistics Canada

Height, Weight, and BMI: Canadian Health Measurements Survey and NHANES Comparisons
Jeanine Bustros
Statistics Canada

Joint Canada/United States Survey of Health (JCUSH) Results — Beyond Expectations
Gary Catlin, Ph.D.
Statistics Canada

Sponsor:
Office of Analysis and Epidemiology

Handling Missing Data in Complex Surveys
Presenters in this session will discuss why it is important not to ignore missing data but to be concerned about it, the pros and cons of imputation, and general methods for handling missing data. In addition, applications of imputation and multiple imputation involving selected NCHS surveys will be discussed.

Organizer:
Joe Fred Gonzalez, Jr., M.S.
Office of Research and Methodology

Chair:
Meena Khare, M.S.
Office of Research and Methodology

Survey Inference With Incomplete Data
Trivellore Raghunathan, Ph.D.
University of Michigan

Multiple Uses of (Mostly Multiple) Imputation at NCHS
Nathaniel Schenker, Ph.D.
Office of Research and Methodology

A Comparison of Conventional Weighted Estimates of Vaccination Coverage With Estimates From Imputed Data Using Available Software
Taylor Lewis, M.S.
Meena Khare, M.S.
Office of Research and Methodology

Sponsor:
Office of Research and Methodology

Realizing the Potential of Electronic Health Records
National interest in electronic medical record (EMR)/electronic health record (EHR) systems continues to rise, as reflected in recent legislation to promote their adoption and meaningful use. Although these systems have the potential to increase quality, patient safety, and efficiency, much of this potential has not yet been realized. This session includes four presentations that convey the latest information about EMR/EHR adoption, its relationship to quality of care, and private and public initiatives to realize the potential of these electronic systems.
Organizer/Chair: 
Jane E. Sisk, Ph.D.  
Division of Health Care Statistics

Chair: 
Robin Cohen, Ph.D.  
Division of Health Interview Statistics

Speakers: 
Adoption of Health Information Technology Among U.S. Ambulatory and Long-term Care Providers 
Esther Hing, M.P.H.  
Division of Health Care Statistics

The Benefits of Health Information Technology: An Update on the State of the Literature 
Melinda Buntin, Ph.D.  
Office of the National Coordinator for Health Information Technology, Department of Health and Human Services

Electronic Medical Record Use and the Quality of Care in Physician Offices 
Chun-Ju Hsiao, Ph.D., M.H.S.  
Division of Health Care Statistics

Implementing Clinical Decision Support in an Electronic Medical Record System 
Mark C. Hornbrook, Ph.D.  
Kaiser Permanente Northwest

Realizing the Potential of Electronic Health Records 
Yael Harris, Ph.D., M.H.S.  
Office of the National Coordinator for Health Information Technology, Department of Health and Human Services

Sponsor: 
Division of Health Care Statistics

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36. Development of State-based Estimates From Survey Data

This session will provide information on methods that various national data systems are using to expand state- and region-based estimates of their survey data.

Organizer: 
Jacqueline Lucas, M.P.H.  
Division of Health Interview Statistics
Plenary Session III  
8:30 a.m. — 9:30 a.m.

**Measuring Health**

In the United States, the health of the population is monitored using a plethora of measures and indicators—Healthy People 2010 monitors progress on 950 indicators. However, when researchers attempt to answer the question of how healthy we are, there is little agreement on what measures to use. This session will discuss the measurement of health and explore advances in the development of summary measures that can be used to monitor the health of nations and to evaluate the impact of health policies.

**Chairperson:**

Jennifer H. Madans, Ph.D.  
Associate Director for Science, Office of the Center Director

**Keynote Speaker:**

Michael C. Wolfson, Ph.D.  
Canada Research Chair, Population Health Modeling/Populomics, Faculty of Medicine and Institute of Population Health, University of Ottawa

**37. Examining Complex Health Issues Through Data Linkage**

This session will use linked survey–mortality data to examine the complex relationships between demographic characteristics, health, and mortality.

**Organizer:**

Jacqueline Lucas, M.P.H.  
Division of Health Interview Statistics

**Chair:**

Charlotte Schoenborn, M.P.H.  
Division of Health Interview Statistics

**Speakers:**

Religious Involvement and U.S. Adult Mortality Risk  
Robert Hummer, Ph.D.  
University of Texas

Adherence to 2008 Physical Activity Guidelines and Mortality  
Manfred Stommel, Ph.D.  
Michigan State University

The Value of Linked Analytic Files to Public Health Research  
Felicia LeClere, Ph.D.  
University of Michigan

**Sponsor:**

Division of Health Interview Statistics

The development of a system to produce national vital statistics based on the local registration of vital events was a major accomplishment of the United States during the 20th century. The U.S. vital statistics system serves as a rich source of information on key health indicators at the national, state, and local levels. In recent years, new roles have been proposed for the vital statistics systems at both the state and national levels, from ID security and fraud prevention, to linkage with electronic health records, to real-time collection and dissemination of data for public health surveillance. New model laws for vital registration, and plans for “revitalizing vitals,” are being developed jointly by the National Association for Public Health Statistics and Information Systems (NAPHSIS) and NCHS. The presentations in this session will provide a glimpse of the possibilities for a 21st century vital statistics system.

Organizer/Chair:
Charles J. Rothwell, M.S., M.B.A.
Division of Vital Statistics

Speakers:
Charles J. Rothwell, M.S., M.B.A.
Division of Vital Statistics

Vital Statistics: Getting From Good to Great
Steven Schwartz, Ph.D.
New York City Department of Health and Mental Hygiene

The National Vital Statistics System: Can We Build a Better Mousetrap?
Ram Koppaka, M.D., Ph.D.
U.S. Public Health Service

Linking EHR and VR Systems: Challenges and Opportunities
Hetty Khan, M.S.N., M.G.A., R.N.
Classifications and Public Health Data Standards

Sponsor:
Division of Vital Statistics

39. Health, United States: History, Uses, and Future Directions

Health, United States is an annual, Congressionally mandated report on the health of the Nation prepared by NCHS. The report presents national trends in health statistics organized around four broad subjects: health status and determinants, health care utilization, health care resources, and health care expenditures. The session will cover how Health, United States has changed over its 33-year history, including special topics and key findings addressed in specific years, as well as future directions of the report, with an increasing emphasis on expanded Web features. Presenters will also discuss how the report is used in policy, academia, and practice. Thoughts on possible changes to make the report even more useful will be discussed.

Organizer:
Amy Bernstein, Sc.D.
Office of Analysis and Epidemiology

Chair:
Diane Makuc, Dr.P.H.
Office of Analysis and Epidemiology

Speakers:
Health, United States Over the Years
Diane Makuc, Dr.P.H.
Office of Analysis and Epidemiology

Health, United States in the 21st Century
Amy Bernstein, Sc.D.
Office of Analysis and Epidemiology

Health, United States: Media Perspective
Christopher Connell
Independent Writer/Journalist

Health, United States: Academic and Policy Perspective
Judith A. Shinogle, Ph.D.
University of Maryland, Baltimore County

Sponsor:
Office of Analysis and Epidemiology
40. Innovative Study and Designs in Health Measures Data Collection

This session will highlight innovative designs and approaches to collecting health measures data. Presenters will address considerations for collecting data at the city and state levels and in special populations, as well as the potential for assessing the effects of health insurance on individuals’ access to and utilization of health care. The challenges faced in implementing such studies will also be discussed.

Organizer:
Lew Berman, M.S.
Division of Health and Nutrition Examination Surveys

Chair:
Kathryn Porter, M.D., M.S.
Division of Health and Nutrition Examination Surveys

Speakers:
The Oregon Health Study
Katherine Baicker, Ph.D.
Harvard University

The Survey of the Health of Wisconsin (SHOW): A Novel Infrastructure for Community Health Research
Javier Nieto, M.P.H., M.D., Ph.D.
University of Wisconsin

Are Local Examination-based Surveys Feasible and Effective Surveillance Tools?
Lorna Thorpe, Ph.D.
City University of New York School of Public Health at Hunter College

Sponsor:
Division of Health and Nutrition Examination Surveys

41. Methodological Issues in the Assessment of Health Disparities

This session will focus on a variety of methodological questions in the measurement of health disparities. Presenters will discuss alternative approaches for estimating summary measures of health disparity, use of cohort studies for assessing socioeconomic disparities in life expectation, techniques for modeling racial and ethnic disparities, and disparities measurement issues in the Healthy People initiative.

Organizer/Chair:
Linda T. Bilheimer, Ph.D.
Office of Analysis and Epidemiology

Speakers:
Univariate Versus Bivariate Summary Measures of Disparity
Yukiko Asada, Ph.D.
Dalhousie University

Modeling Methods in the Estimation of Racial and Ethnic Disparities
Marc Elliott, Ph.D.
RAND Corporation

Cohort Studies of Socioeconomic Disparities in Life Expectation
Elsie Pamuk, Ph.D.
Office of Analysis and Epidemiology

Defining and Measuring Disparities, Inequities, and Inequalities in the Healthy People Initiative
Richard J. Klein, M.P.H.
Office of Analysis and Epidemiology

Sponsor:
Office of Analysis and Epidemiology

42. Insurance Status, Access to Health Care, and Health Outcomes

The session will begin with an overview of trends in health insurance coverage, using data from the National Health Interview Survey (NHIS). This will be followed by analyses of the relationships among insurance status, access to health care, and health outcomes, using data from NHIS, the National Health and Nutrition
Examination Survey, the National Health Care Surveys, and the National Vital Statistics System.

**Organizer:**
Sandra Decker, Ph.D.
Division of Health Care Statistics

**Chair:**
Jane Gentleman, Ph.D.
Division of Health Interview Statistics

**Speakers:**
Long-term Trends in Health Insurance Coverage Utilizing the National Health Interview Survey
Robin Cohen, Ph.D.
Division of Health Interview Statistics

Utilization of Infertility Treatments: The Effects of Insurance Mandates
Marianne Bitler, Ph.D.
University of California, Irvine

Effect of Medicaid Physician Payment Policy on Access to Care
Sandra Decker, Ph.D.
Division of Health Care Statistics

Embry Howell, Ph.D.
The Urban Institute

**Sponsor:**
Division of Health Interview Statistics

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**Concurrent Sessions IV**
1:00 p.m. — 2:30 p.m.

**43. Healthy People 2020: Developing the Fourth Generation of National Health Promotion Statistics**

For decades, Healthy People has provided a comprehensive set of national 10-year health promotion and disease prevention objectives aimed at improving the health of all Americans. The program is grounded in the notion that establishing objectives and providing benchmarks to track and monitor progress over time can motivate, guide, and focus action. Healthy People 2020 will continue in the tradition of its predecessor to define the vision and strategy for building a healthier nation. This session will provide information on the development of the Healthy People 2020 framework, discuss interagency involvement in Healthy People 2020 and the use of Healthy People data to inform health policy, and provide an overview of the Healthy People online resources.

**Organizer:**
Leda G. Gurley, M.S.M., M.P.H.
Office of Analysis and Epidemiology

**Chair:**
Richard Klein, M.P.H.
Office of Analysis and Epidemiology

**Speakers:**
Development of the Healthy People 2020 Framework
Carter Blakey
Office of Disease Prevention and Health Promotion, Department of Health and Human Services

Regional Office Involvement in Healthy People 2020
Dalton G. Paxman, Ph.D.
Region III, Department of Health and Human Services

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Lunch 11:30 a.m. — 1:00 p.m.
and Meet NCHS Senior Leadership
Assessing the Use and Influence of the Healthy People Initiative

Leda G. Gurley, M.S.M., M.P.H.
Office of Analysis and Epidemiology

Data Developments in the Healthy People Initiative

Ritu Tuteja, M.P.H.
Office of Analysis and Epidemiology

Sponsor:
Office of Analysis and Epidemiology

International Health Rankings: A Look Behind the Numbers

International rankings are a favorite tool used by analysts, journalists, and others to illustrate where the United States stands vis-à-vis other countries on a variety of topics, including health measures. Comparing our country with other nations is inherently interesting to many, and rankings can be politically effective as well. Country rankings, however, may not be as simple or as easy to interpret as they appear. This session will take participants behind the numbers to explain how rankings are constructed, uncover some of the complexities of country comparisons, and describe the weaknesses in some well-known international rankings. It will also show how these rankings can be used, and abused.

Organizer/Chair:
Sam Notzon, Ph.D.
International Statistics Program

Speakers:

Behind the International Rankings of Infant Mortality: How the United States Compares With Europe

Marian MacDorman, Ph.D.
Division of Vital Statistics

Making Sense of Health Rankings

Anne McFarlane, M.S.C., M.A.
Canadian Institute for Health Information

Comparing Globally Helps Locally: Using International Comparisons for Advocacy and Education

Rebecca Russell, M.S.P.H.
March of Dimes

Thoughts on International Comparisons and Rankings

Sam Notzon, Ph.D.
International Statistics Program

Sponsor:
International Statistics Program

Improving Data for Heart Disease and Stroke Prevention

This session will describe the federal data currently used to monitor the burden of heart disease and stroke, along with progress in their prevention and treatment, to identify data needs and gaps in federal data systems and discuss the potential for filling those gaps. The discussion will begin with an overview of trends and patterns of heart disease and stroke in the population. Information will be presented on how these data have been used to set priorities for research to prevent, diagnose, and treat cardiovascular disease. Presenters will also explain how this research informs the development of national programs to prevent premature mortality, morbidity, and disability due to heart disease and stroke. The discussion will identify deficiencies in the current cardiovascular disease surveillance system, as well as features of a new and improved system. Opportunities offered by emerging technologies such as electronic health records and Web-based interfaces and networks will also be addressed.

Organizer/Chair:
Clarice Brown, M.S.
Division of Health Care Statistics

Speakers:

Robert Merritt, M.S.P.H.
Division for Heart Disease and Stroke Prevention, CDC
46. Why It’s Worth the Trouble: Use of Special Methods to Achieve Better Analysis of Survey Data

This session will focus on special methodological techniques and software designed to enhance the analysis of survey data.

**Organizer:**
Jacqueline Lucas, M.P.H.
Division of Health Interview Statistics

**Chair:**
John Pleis, M.S.
Division of Health Interview Statistics

**Speakers:**

Bayesian Change Point Analysis of Prevalence Rates of Chronic Diseases by Gender and Race
Trivellore Raghunathan, Ph.D.
University of Michigan

A Bayesian Procedure for File Linking to Analyze End-of-life Medical Costs
Alan M. Zaslavsky, Ph.D.
Harvard Medical School

Analysis of National Health Interview Survey Data
Christopher Moriarity, Ph.D.
Division of Health Interview Statistics

Sponsor:
Division of Health Interview Statistics

47. Childhood Obesity in the United States

The prevalence of childhood obesity in the United States is high—currently almost 17% of children and adolescents ages 2–19 years are considered obese. Following a tripling in the prevalence of childhood obesity since 1980, the rapid increase in prevalence has slowed and possibly leveled off during the last 10 years. Childhood obesity often tracks to adulthood and, in the short run, can lead to psychosocial problems and cardiovascular risk factors such as high blood pressure, high cholesterol, and abnormal glucose tolerance or diabetes. This session will describe the epidemiology of childhood obesity, provide the perspective of health care providers, and highlight state and federal policy initiatives to address childhood obesity.

**Organizer:**
Cynthia L. Ogden, Ph.D., M.R.P.
Division of Health and Nutrition Examination Surveys

**Chair:**
William Dietz, M.D., Ph.D.
Division of Nutrition and Physical Activity Office, CDC

**Speakers:**
Cynthia L. Ogden, Ph.D., M.R.P
Division of Health and Nutrition Examination Surveys

Sandra Hassink, M.D., F.A.A.P.
A. I. Dupont Hospital for Children

Eduardo Sanchez, M.D., M.P.H., F.A.A.F.P.
Blue Cross and Blue Shield of Texas

Shale Wong, M.D., M.S.P.H.
Office of First Lady Michelle Obama

Sponsor:
Division of Health and Nutrition Examination Surveys

48. The Coming of Age of Disability Statistics

Passage of the Americans With Disabilities Act and the United Nations Convention on the Rights of People With Disabilities illustrates the growing importance of disability in the legal, policy, and programmatic
arenas. The development and evaluation of disability programs and policies requires timely and valid data, but disability statistics, both nationally and internationally, have historically been plagued by inconsistent definitions and measurement strategies. The result has been multiple, noncomparable statistics that inhibit rather than facilitate policy development. This session will review the policy needs for disability statistics and illustrate how recent developments in the conceptualization and measurement of disability have resulted in improved statistics for both the United States and the global community. The session will also include a summary of current developmental activities that should further increase the availability of comparable and valid disability statistics.

Organizer:
Julie D. Weeks, Ph.D.
Office of Analysis and Epidemiology

Chair:
Barbara M. Altman, Ph.D.
Disability Consultant

Speakers:
Disability Statistics in the United States: Reflections on an Era of Wisdom and Controversy
David Keer
U.S. Department of Education

Who Needs Disability Statistics?
Mary J. Chamie, Ph.D.
Population Associates, Inc.

Disability Statistics Throughout the World: Traveling With the Washington Group
Julie D. Weeks, Ph.D.
Office of Analysis and Epidemiology

Disability Statistics for the Future: Building on Recent Advances
Jennifer H. Madans, Ph.D.
Office of the Center Director

Sponsor:
Office of Analysis and Epidemiology

Break 2:30 p.m. — 3:00 p.m.

Concurrent Sessions V
3:00 p.m. — 4:30 p.m.

49. Question Evaluation, Validity, and Survey Data Quality
In October 2009, NCHS held a Question Evaluation Methods Workshop (QEM) to examine various question evaluation methods and to discuss the impact of question design and evaluation on survey data quality. This session recaps pertinent issues raised at the QEM, including the Federal statistical system’s obligation to produce valid and reliable data, the importance of science-based evaluation methodologies, and the role of documentation to verify data quality. Additionally, the session highlights methodological initiatives developed at NCHS to investigate data quality.

Organizer:
Kristen Miller, Ph.D.
Office of Research and Methodology

Chair:
Jennifer H. Madans, Ph.D.
Office of the Center Director

Speakers:
Q-Bank, Q-Notes, and Mixed-method Design: Advancements in Cognitive Interviewing Methodology
Kristen Miller, Ph.D.
Office of Research and Methodology
Paradata and Quality Assurance in the National Health Interview Survey

James Dahlhamer, Ph.D.
Division of Health Interview Statistics

Evaluation Methodology for Administrative Data

Stephanie Willson, Ph.D.
Office of Research and Methodology

Paul Beatty, Ph.D.
Division of Health Care Statistics

Joyce Martin, M.P.H.
Division of Vital Statistics

The Importance of Question Evaluation and Evidence of Quality Data

Jennifer H. Madans, Ph.D.
Office of the Center Director

50. Building Information Capacities for Enhancing Population Health and Health Care: A View From the National Committee on Vital and Health Statistics (NCVHS)

NCVHS has a 60-year history of advising the Department of Health and Human Services and its predecessors on health data, statistics, and national health information policy. For 50 of those years, it has worked closely with NCHS to improve data on the health of the U.S. population. In recognition of its 60th Anniversary, NCVHS is developing a strategic framework and initiative for building information capacities to enhance population health and health care—seizing the opportunities offered by the spread of health information technology. Maximizing the potential of electronic health information to improve clinical care and population health is only possible with clear and comprehensive policies on privacy, confidentiality, and security that engender trust in the American public. This session will highlight the partnership between NCVHS and NCHS, the Committee’s strategic vision, and some of the challenges that need to be addressed.

Organizer:
Marjorie S. Greenberg, M.A.
Classifications and Public Health Data Standards

Chair:
Debbie M. Jackson, M.A.
Classifications and Public Health Data Standards

Speakers:
NCVHS and NCHS: A 50-year Partnership
Marjorie S. Greenberg, M.A.
Classifications and Public Health Data Standards

Population Health Information in the Era of the Electronic Health Record

Donald Steinwachs, Ph.D.
Johns Hopkins Institute for Policy Studies
Bloomberg School of Public Health

Assuring Privacy, Confidentiality, and Security in the Electronic Age

Leslie Francis, J.D., Ph.D.
University of Utah

51. Emerging Issues in Ethics and Confidentiality

This session will explore some of the emerging issues in data ethics and confidentiality, including the use of administrative records either by themselves or with sample survey data, data sharing across agencies and various levels of government, and privacy and confidentiality issues associated with longitudinal data.

Organizer:
Jacqueline Lucas, M.P.H.
Division of Health Interview Statistics

Chair:
Stephen Blumberg, Ph.D.
Division of Health Interview Statistics
Conference Schedule

Wednesday, August 18, 2010

Speakers:

Ethics and Confidentiality: Intersections and Divergences

Alvan O. Zarate, Ph.D.
Office of the Center Director

Using Longitudinal Data to Follow Progress and Measure Outcomes: Protecting PII When Sharing Data Across Sectors

Marilyn Seastrom, Ed.D.
National Center for Education Statistics

Do Survey and Program Participants Get a Say? Informed Consent Requirements and Practices for Integrating Data

Cynthia Nickerson, Ph.D.
Economic Research Service, U. S. Department of Agriculture

Why Can’t You Just Give Me the Data? Privacy, Confidentiality, Data Sharing, and Dissemination Practices and Challenges

Eve Powell-Griner, Ph.D.
Office of the Center Director

Sponsor:
Division of Health Interview Statistics

52. Child Health

Over the past 10 years, NCHS has developed a rich source of data on the health of children by using the State and Local Area Integrated Telephone Survey (SLAITS) mechanism. At this session, presenters will discuss results from, and applications of, their in-depth analyses of the most recent data collection, the National Survey of Children’s Health.

Organizer/Chair:
Marcie Cynamon, M.A.
Division of Health Interview Statistics

Speakers:

Using the National Survey of Children’s Health to Study Children’s Well-being

Kristen A. Moore, Ph.D.
Child Trends

It’s a Big Country: Geographic Variations in Children’s Health

Michael Kogan, Ph.D.
Maternal and Child Health Bureau, Department of Health and Human Services

How Children’s Health is Shaped by the Contexts in Which They Live

Karen Harris, M.P.H.
Elizabeth Mumford, Ph.D.
National Opinion Research Center

Much-needed Attention: Geographical Patterns of Attention Deficit Hyperactivity Disorder and Availability of Family Support Systems Within States

Melissa Danielson, M.S.P.H.
National Center for Birth Defects and Developmental Disabilities

Sponsor:
Division of Health Interview Statistics

53. Mental Health Data From NCHS

The past decade has seen a marked increase in mental health data surveillance and research. This session introduces the mental health measures currently collected in NCHS data systems, as well as measures that will become available in the near future. Presentations will focus on mental health dataset surveillance at NCHS, with examples of research previously conducted and ongoing. Datasets include the National Health and Nutrition Examination Survey (NHANES), the National Health Interview Survey (NHIS), the National Survey of Children With Special Health Care Needs, the National Ambulatory Medical Care Survey (NAMCS), and the National Hospital Ambulatory Medical Care Survey (NHAMCS).

Organizer/Chair:
Bruce S. Jonas, Ph.D.
Office of Analysis and Epidemiology
Speakers:

Major Depressive Episode, Subsyndromal Depression, and Obesity in Young Adults

Bruce S. Jonas, Ph.D.
Office of Analysis and Epidemiology

Prevalence, Correlates, and Service Patterns of Mental Health in U.S. Youth

Kathleen R. Merikangas, Ph.D.
National Institutes of Health

A Decade of Data: Child and Adolescent Mental Health Indicators and Selected Findings Across SLAITS Surveys, 2000–2010

Kathleen O’Connor, M.P.H.
Division of Health Interview Statistics

Sponsor:
Office of Analysis and Epidemiology

54. National Perspectives on Emergency Department Crowding

This session will provide national perspectives on crowding in hospital emergency departments. It will begin with a description of trends in crowding and the impact of crowding on patient outcomes. Information will also be provided on crowding indices and racial and ethnic disparities. Although not focusing on research methods, presenters will go on to discuss data limitations and the impact of these limitations on findings. The session will conclude with a brief description of forthcoming data that may better inform research on issues related to emergency department crowding.

Organizer:
Nancy Sonnenfeld, Ph.D.
Division of Health Care Statistics

Chair:
Linda McCaig, M.P.H.
Division of Health Care Statistics

Speakers:

National Perspectives on Emergency Department Crowding

Arthur L. Kellermann, M.D., M.P.H.
RAND Corporation

Impact of Emergency Department Crowding on Health Outcomes and Quality

Jesse M. Pines, M.D., M.B.A., M.S.C.E.
The George Washington University

Indices of Crowding

Stephen R. Pitts, M.D., M.P.H.
Emory University

Racial and Ethnic Differences in Time to Treatment

Nancy Sonnenfeld, Ph.D.
Division of Health Care Statistics

Improved Measurement: A Look at Recent and Planned Innovations

Linda McCaig, M.P.H.
Division of Health Care Statistics

Sponsor:
Division of Health Care Statistics
Edward J. Sondik, Ph.D.
Director, NCHS

Dr. Sondik serves as Director of the National Center for Health Statistics (NCHS), one of the Centers for Disease Control and Prevention. NCHS is the principal health statistics agency of the United States, responsible for monitoring the nation's health through a wide-ranging program of research and analysis in health and vital statistics, epidemiology, and related health and statistical sciences. NCHS is also one of the designated statistical agencies of the United States, which together provide information on the United States on a variety of critical sectors. Dr. Sondik’s duties include directing a wide-ranging program of vital statistics and survey research to monitor the health of Americans, to anticipate and plan for future data needs, and to develop the technologies and analytic tools necessary to meet the nation's health statistics needs. As NCHS Director, Dr. Sondik serves on the Interagency Committee on Statistical Policy, whose membership consists of the leaders of the designated federal statistical agencies.

Dr. Sondik also serves as Senior Advisor to the Secretary of Health and Human Services on Health Statistics, providing technical and policy advice on statistical and health information issues. In this capacity he also serves on the HHS Data Council, the body that reviews DHHS data policy and related issues.

Dr. Sondik received B.S. and M.S. degrees in electrical engineering from the University of Connecticut and the Ph.D. in electrical engineering from Stanford University. From 1971 to 1976, he was on the faculty of the Department of Engineering–Economic Systems at Stanford University. From 1976 to 1982, he was on the staff of the National Heart, Lung, and Blood Institute of the National Institutes of Health. In 1982 he joined the National Cancer Institute and held several posts from Chief of the Biometrics and Operations Research Branch to Deputy Director of the Division of Cancer Prevention and Control, as well as Acting Director, NCI. In 1996, he was appointed Director of NCHS and Senior Advisor to the Secretary on Health Statistics.

Thomas R. Frieden, M.D., M.P.H.
Director, CDC
Administrator, Agency for Toxic Substances and Disease Registry

Dr. Frieden became Director of the Centers for Disease Control and Prevention (CDC) and Administrator of the Agency for Toxic Substances and Disease Registry (ATSDR) in June 2009. Previously, he served as Commissioner of the New York City Department of Health and Mental Hygiene since January 2002. One of the world’s oldest and largest public health agencies, the department has an annual budget of $1.7 billion and more than 6,000 staff. During his tenure, the number of smokers declined by 350,000, teen smoking decreased by half, and New York City became the first place in the United States to eliminate trans fats from restaurants, rigorously monitor the diabetes epidemic, and require certain restaurants to post calorie information prominently. Under Dr. Frieden’s leadership, the department established the largest community electronic health records project in the country. Dr. Frieden also chairs the New York City Board of Health.

A physician with training in internal medicine, infectious diseases, public health, and epidemiology, Dr. Frieden is especially known for his expertise in tuberculosis control. Dr. Frieden worked for CDC from 1990 until 2002. He began his career at CDC as an Epidemiologic Intelligence Service (EIS) Officer at the New York City Health Department. In that role, he led a program that rapidly reduced tuberculosis, including reducing cases of multidrug-resistant tuberculosis, by 80 percent. He then worked in India for five years where he assisted with national tuberculosis...
control efforts. The program in India has now treated more than 10 million patients and has saved more than one million lives. Dr. Frieden also served as Director of the Bureau of Tuberculosis Control and Assistant Commissioner for the New York City Health Department from 1992 to 1996.

Dr. Frieden speaks Spanish and graduated from Oberlin College. He received both his medical degree and master's of public health degree from Columbia University and completed infectious disease training at Yale University. He has received numerous awards and honors and has published about 200 scientific articles.

Katherine K. Wallman
Chief Statistician, U.S. Office of Management and Budget

Katherine Wallman currently serves as Chief Statistician at the United States Office of Management and Budget. In this capacity, she provides policy oversight, establishes priorities, advances long-term improvements, and sets standards for a Federal statistical establishment that comprises more than 70 agencies spread across every cabinet department and accounts for more than $5 billion in annual expenditures. As the Chief Statistician of the United States, Ms. Wallman represents the U.S. Government in international statistical organizations, including the United Nations and the Organization for Economic Cooperation and Development. During her tenure as the United States’ Chief Statistician, Ms. Wallman has increased collaboration among the agencies of the U.S. statistical system, fostered improvements in the scope and quality of the Nation’s official statistics, strengthened the protections for confidential statistical information, and initiated changes that have made the products of the system more accessible and usable.

Prior to assuming the position of Chief Statistician in 1992, Ms. Wallman served for more than a decade as Executive Director of the Council of Professional Associations on Federal Statistics, a coalition of organizations concerned with fostering communication among users and producers of federal statistics and improving the utility and accessibility of the Nation’s statistical resources. Earlier in her career, Ms. Wallman worked for several years in the Office of Federal Statistical Policy and Standards, as well as in the National Center for Education Statistics. Her special interests include increasing cooperation between the several levels of government in the production of national statistics, strengthening the interface between academic and government statisticians, and enhancing the statistical literacy of the public.

Ms. Wallman, twice honored as a Presidential Meritorious Executive, is an elected member of the International Statistical Institute, a Fellow of the American Statistical Association and the American Association for the Advancement of Science, and a Founder Member of the International Association for Official Statistics. In 1992, she served as President of the American Statistical Association, and in 2007 she was honored with the association’s Founders Award. Ms. Wallman, who served as Chairman of the United Nations Statistical Commission during 2004 and 2005, has recently completed her second term as Chairman of the Conference of European Statisticians, United Nations Economic Commission for Europe, and has been elected to continue her service on the organization’s Bureau.
Speaker Bios

Robert M. Groves, Ph.D.
Director, U.S. Census Bureau

President Barack Obama nominated Dr. Groves for director of the U.S. Census Bureau on April 2, 2009, and the Senate confirmed him on July 13, 2009. He began his tenure as director, July 15, 2009.

Dr. Groves had been director of the University of Michigan Survey Research Center and research professor at the Joint Program in Survey Methodology at the University of Maryland.

He was elected a fellow of the American Statistical Association in 1982, elected a member of the International Statistical Institute in 1994, and named a national associate of the National Research Council, National Academy of Sciences, in 2004. He was the Census Bureau’s associate director for Statistical Design, Methodology, and Standards from 1990 to 1992.

In 2008, he became a recipient of the prestigious Julius Shiskin Memorial Award in recognition for contributions in the development of economic statistics.

Dr. Groves has authored or coauthored seven books and more than 50 articles. His 1989 book, Survey Errors and Survey Costs, was named one of the 50 most influential books in survey research by the American Association of Public Opinion Research. His book, Nonresponse in Household Interview Surveys, with Mick Couper, written during his time at the bureau, received the 2008 AAPOR Book Award.

Dr. Groves has a bachelor’s degree from Dartmouth College and master’s degrees in statistics and sociology from the University of Michigan. He also earned his doctorate at Michigan.

He and his wife, Cynthia, have two college-age sons—Christopher at Purdue and Andrew at Northwestern.

Constance F. Citro, M.A., Ph.D.
Director, Committee on National Statistics, The National Academies

Dr. Citro is director of the Committee on National Statistics (CNSTAT), a position she has held since May 2004. She previously served as acting chief of staff (December 2003–April 2004) and as senior study director (1986–2003). She began her career with CNSTAT in 1984 as study director for the panel that produced The Bicentennial Census: New Directions for Methodology in 1990. Dr. Citro received her B.A. in political science from the University of Rochester, and M.A. and Ph.D. degrees in political science from Yale University. Prior to joining CNSTAT, she held positions as vice president of Mathematica Policy Research, Inc., and Data Use and Access Laboratories, Inc. She was an American Statistical Association/National Science Foundation/Census research fellow in 1985–1986 and is a fellow of the American Statistical Association and an elected member of the International Statistical Institute. For CNSTAT, she directed evaluations of the 2000 census, the Survey of Income and Program Participation, microsimulation models for social welfare programs, and the NSF science and engineering personnel data system, in addition to studies on institutional review boards and social science research, estimates of poverty for small geographic areas, data and methods for retirement income modeling, and a new approach for measuring poverty. She coedited the 2nd–4th editions of Principles and Practices for a Federal Statistical Agency and contributed to studies on measuring racial discrimination, expanding access to research data, the usability of estimates from the American Community Survey, the National Children’s Study research plan, and the Census Bureau’s 2010 census program of experiments and evaluations.
Michael C. Wolfson, Ph.D.
Canada Research Chair, Population Health Modeling/Populomics, Faculty of Medicine and Institute of Population Health, University of Ottawa

Dr. Wolfson is currently Canada Research Chair, Population Health Modeling/Populomics, Faculty of Medicine and Institute of Population Health, University of Ottawa. Until recently, he was Assistant Chief Statistician, Analysis and Development, at Statistics Canada. This included responsibility for analytical activities generally at Statistics Canada, for health statistics, and for specific analytical and modeling programs. Prior to joining Statistics Canada, he held a variety of positions in central agencies including the Treasury Board Secretariat, Department of Finance, Privy Council Office, House of Commons, and Deputy Prime Minister’s Office with responsibilities in the areas of program review and evaluation, tax policy, and pension policy. In addition to his federal public service responsibilities, Dr. Wolfson was a Fellow of the Canadian Institute for Advanced Research Program in Population Health from 1988 to 2003. His recent research interests include income distribution, tax/transfer and pension policy analysis, microsimulation approaches to socioeconomic accounting and to evolutionary economic theory, design of health information systems, and analysis of the determinants of health. Dr. Wolfson received his B.Sc. in computer science and economics from the University of Toronto and his Ph.D. in economics from Cambridge University in 1977.
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Appendix

Program Sessions by Surveys and Offices

**Surveys**

National Health Care Surveys (1, 3, 7, 9, 13, 28, 31, 35, 42, 45, 53, 54)
  - National Ambulatory Medical Care Survey (3, 9, 13, 35, 42, 53)
  - National Hospital Ambulatory Medical Care Survey (3, 9, 13, 31, 53)
  - National Hospital Discharge Survey (7, 31, 45)
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