2006 Program

National Center for Health Statistics

2006

Data Users Conference

Omni Shoreham Hotel

Washington, DC

July 10–12, 2006

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

CDC

SAFER · HEALTHIER · PEOPLE™

Welcome!

2006 Data Users Conference
Omni Shoreham Hotel
Washington, DC
July 10, 11, and 12, 2006

Program Committee

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Conference Headquarters

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

Registration

The registration desk, located in the West Lobby of the Omni Shoreham Hotel, will be open during the following hours:

Monday, 8:00 a.m.–5:00 p.m.

Tuesday, 8:00 a.m.–5:00 p.m.

Wednesday, 8:00 a.m.–12 noon

Exhibit Hours

Monday, 9:00 a.m.–4:00 p.m.

Tuesday, 9:00 a.m.–4:00 p.m.

Wednesday, 9:00 a.m.–12 noon

Welcome!

Welcome!

It is our pleasure to welcome you to the 2006 NCHS Data Users Conference. We have been holding these meetings biennially since the mid 1970s. This year is a special year in several ways. First, we are celebrating the 50th anniversary of the signing of the National Health Survey Act in July 1956. That act called for a continuing survey and special studies on the Nation's health. It also provided for studying methods and survey techniques for securing statistical information and for disseminating results of these surveys and studies. It led directly to the formation of the National Center for Health Statistics in 1960 through a merging of the National Health Survey and the National Office of Vital Statistics. And the rest, as they say, is history.

Additionally, we want to welcome participants from the Vital Statistics Cooperative Programs who are holding their meeting concurrently with the Data Users Conference. Almost every state is represented at this important vital statistics meeting and we hope that these representatives will have a chance to participate in the Data Users Conference and discover the ways their data and our data are being used.

We have a very provocative topic for the opening plenary session. Using as a theme, "The Role of a Statistical Agency in Evidence-Based Health Policy," two dynamic speakers, Michael J. O'Grady and Len Nichols, will share their insights on how to make statistical information more relevant and useful to the health policy community and other potential target audiences.

We introduced hands-on sessions for the first time at the 2004 conference. This type of session allows participants to actually work with the data right on computers. It was VERY successful and based on feedback from you, our users, we have doubled the number of hands-on sessions this year.

I wish you a very enjoyable conference experience this year. Please inform me or any one of my staff on how we can be of further assistance.

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

Conference Schedule at a Glance

Monday, July 10, 2006

8:30–10:00 a.m.	**Opening Ceremony Speakers:** Linda R. Washington, M.S., Health Communications Specialist, NCHS; Edward J. Sondik, Ph.D., Dir... Health Policy Program, New American Foundation; and Michael J. O'Grady, Ph.D., Senior Fellow, National Opinion Research Cen...		
10:00–10:30 a.m.	Break		
10:30–12:00 noon	1. Overview of the National Center for Health Statistics Data Systems, Part I	2. National Health and Nutrition Examination Survey (NHANES) 1999–2006: Overview and Analysis Strategy	3. Adapting NCHS' National Su... International and Community...
12:00–1:30 p.m.	Lunch		
1:30–3:00 p.m.	7. Overview of the NCHS Data Systems, Part II	8. Vital Statistics Data Quality	9. The National Health Interviev... (NHIS) Early Release (ER) P... Selected Estimates
3:00– 3:30 p.m.	Break		
3:30–5:00 p.m.	13. Analytic Uses of the National Health Interview Survey	14. Health at Various Life Stages	15. Analyzing Data from the Nati... Discharge Survey
5:00–7:00 p.m.	Conference Mixer		

Tuesday, July 11, 2006

8:30–10:00 a.m.	19. Advancing NHANES Dietary Measures	20. Analyzing Data from the National Nursing Home Survey (NNHS)	21. Overview of Mortality Syste...
10:00–10:30 a.m.	Break		
10:30–12:00 noon	25. Measures of Overall Diet Quality and Food Group Intake in NHANES	26. National Survey of Family Growth (NSFG)	27. Record Linkage Activities at ... Value of Linked Data for He...
12:00–1:30 p.m.	Lunch		
1:30–3:00 p.m.	31. Using National Health and Nutrition Examination Survey (NHANES) Dietary Supplement Data	32. Data Analysis Group: Practical Applications	33. Exploring Features of the NC... (Prerequisite for Hands-On S...
3:00–3:30 p.m.	Break		
3:30–5:00 p.m.	37. National Nursing Assistant Survey	38. Underutilized NCHS Data–Measures of Religious Practices and Complementary and Alternative Medicine	39. International Collaborative Ac... NCHS: Twenty Years of Exp...

Wednesday, July 12, 2006

8:30–10:00 a.m.	43. Remote/On-site Access to Confidential Data for Statistical Analysis at NCHS	44. Where Does it Hurt? NCHS Data on Pain	45. Race and Ethnicity
10:00–10:30 a.m.	Break		
10:30–12:00 noon	49. Perinatal Mortality Data from the National Vital Statistics System	50. Medication Data from Nationally Representative Provider- and Population-Based Surveys	51. Measuring Health Care Quali... from NCHS
12:00–1:30 p.m.	Lunch		
1:30–3:00 p.m.	55. An Update on the State and Local Area Integrated Telephone Survey (SLAITS) Mechanism	56. Summary Measures of Population Health	57. Advancing NHANES Physica... Measures: Physical Activity M...
3:00– 3:30 p.m.	Break		
3:30–5:00 p.m.	61. Practical Applications in Design and Analysis of Complex Sample Surveys	62. Issues to Consider When Analyzing SLAITS Data on Children's Health	63. No Session

rveys to y Settings	4. An Update on the National Immunization Survey (NIS)	5. Hands-On Session: The National Health Interview Survey (NHIS)	6. Hands-On Session: Overview of the Data Warehouse on Health Data for All Ages
w Survey rogram of	10. Q-BANK: Development of a Tested-Question Database	11. Hands-On Session: Web Tutorial for NHANES Data Analysis	12. Hands-On Session: (Repeat of Session 5) The National Health Interview Survey
ional Hospital	16. Birth and Infant Health Data from the National Vital Statistics System	17. Hands-On Session: (Repeat of Session 11) Web Tutorial for NHANES Data Analysis	18. Hands-On Session: (Beginner's Session) The State and Local Area Integrated Telephone Survey (SLAITS)
m	22. Environmental Health	23. Hands-On Session: The National Hospital Discharge Survey (NHDS)	24. Hands-On Session: (Repeat of Session 5) The National Health Interview Survey
NCHS: The alth Research	28. Analyzing Data from the National Ambulatory Medical Care Survey (NAMCS) and the National Hospital Ambulatory Medical Care Survey (NHAMCS)	29. Hands-On Session: Data Resource Center for Child and Adolescent Health	30. Hands-On Session: Latest Development in the Data Warehouse on Trends in Health and Aging
CHS Web ession 53)	34. Health Data Standards	35. Hands-On Session: NAMCS/NHAMCS, Part 1	36. Hands-On Session: (Advanced Session) The State and Local Area Integrated Telephone Survey (SLAITS)
ctivities of erience	40. Mental Health and NCHS Data: An Under-Explored Resource	41. Hands-On Session: NAMCS/NHAMCS, Part II	42. Hands-On Session: (Repeat of Session 29) Data Resource Center for Child and Adolescent Health
	46. Measurement, Imputation, and Analysis of Income Data	47. Hands-On Session: (Repeat of Session 5) The National Health Interview Survey (NHIS)	48. Hands-On Session: What We Eat In America, NHANES Dietary Data: What It's All About and How To Use It, Part I
ty Using Data	52. Healthy People 2010 Mid-Decade Assessment of Progress: Methods and Results	53. Hands-On Session: Finding Key Resources for Research via the NCHS web site (Session 33 is a prerequisite)	54. Hands-On Session: What We Eat In America, NHANES Dietary Data: What It's All About and How To Use It , Part II
al Activity Monitors	58. Cognitive Interviewing at NCHS: Current Practice and New Advancements	59. Hands-On Session: Data Warehouse: Major Data Sources for Information on Older Persons and Related Health Measures	60. Hands-On Session: (Self-Directed) Web Tutorial for NHANES Data Analysis
	64. No Session	65. Hands-On Session: (Advanced Session) The State and Local Area Integrated Telephone Survey (SLAITS) (Repeat of Session 36)	66. Tools for Accessing NCHS Data

Session Room Assignments

Session room assignments will be given to participants as they register.

Exhibits and Posters

Conference exhibits and posters can be viewed on Monday and Tuesday from 9:00 a.m.– 4:00 p.m., and on Wednesday from 9:00 a.m.–noon in the Blue Room.

NCHS Exhibitors

National Center for Health Statistics (NCHS) Main Exhibit

Division of Health Care Statistics

Division of Health Examination Statistics

Division of Health Interview Statistics

Division of Vital Statistics

State and Local Area Integrated Telephone Survey (SLAITS)

National Death Index

Office of Analysis and Epidemiology

- Trends in Health and Aging Data Warehouse
- Health, United States
- Health Data for All Ages
- Injury Data and Resources

Office of Research and Methodology

- Research Data Center

Classifications and Public Health Data Standards

- Data Standards as the Building Blocks of Information Systems

Non-NCHS Exhibitors

U.S. Bureau of Labor Statistics

- The American Time Use Survey: Shedding light on how Americans Spend Their Time
- National Compensation Survey (NCS) and Occupational Employment Statistics (OES)
- Occupational Office of Safety and Health Statistics

Bureau of Justice Statistics

HHS Data Council: Gateway to Data and Statistics

National Technical Information Service

Substance Abuse and Mental Health Data Archive

Social Security Administration, Office of Policy

Vitalnet Data Analysis Software

Questionnaire Development System™

Oregon Health & Science University

Social & Scientific Systems, Inc.

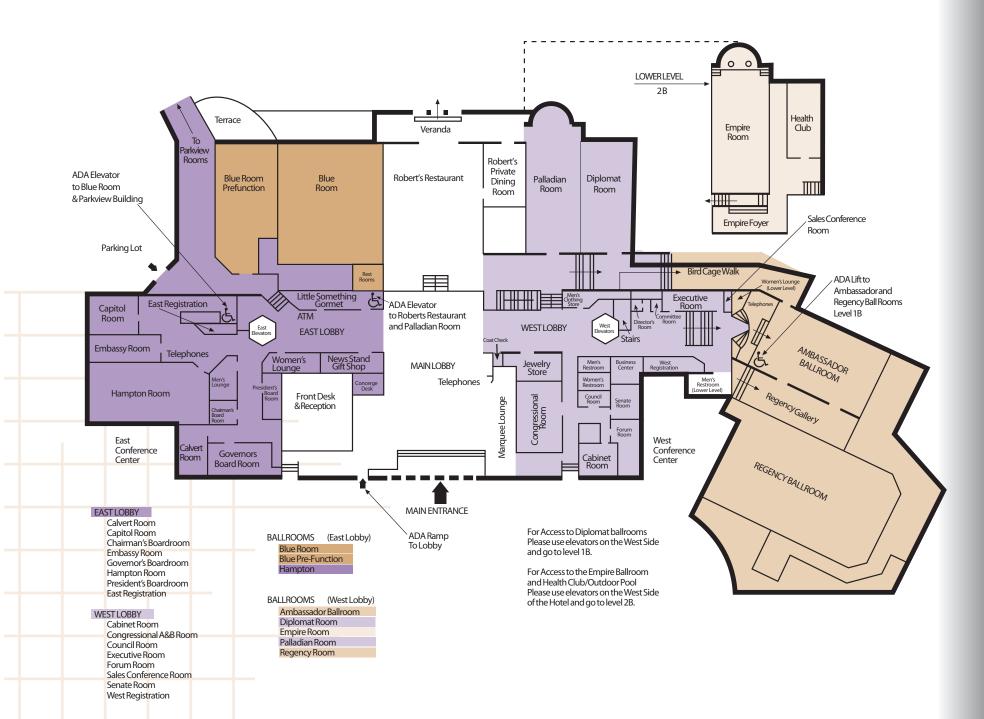The National Infrastructure for Community Statistics (NICS)

Contents

Terrace

To Parkview Rooms

ADA Elevator to Blue Room & Parkview Building

Parking Lot

Veranda

LOWER LEVEL 2B

Empire Room

Health Club

Blue Room Prefunction

Blue Room

Robert's Restaurant

Robert's Private Dining Room

Palladian Room

Diplomat Room

Empire Foyer

Sales Conference Room

Capitol Room

East Registration

Little Something Gormet

ATM

EAST LOBBY

Rest Rooms

ADA Elevator to Roberts Restaurant and Palladian Room

Bird Cage Walk

Women's Lounge (Lower Level)

Executive Room

Telephones

ADA Lift to Ambassador and Regency Ball Rooms Level 1B

East Elevators

WEST LOBBY

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Calvert Room

Governors Board Room

Marquee Lounge

Congressional Room

Forum Room

West Conference Center

REGENCY BALLROOM

Cabinet Room

MAIN ENTRANCE

ADA Ramp To Lobby

MAIN ENTRANCE

BALLROOMS   (East Lobby)
Blue Room
Blue Pre-Function
Hampton

BALLROOMS   (West Lobby)
Ambassador Ballroom
Diplomat Room
Empire Room
Palladian Room
Regency Room

For Access to Diplomat ballrooms Please use elevators on the West Side and go to level 1B.

For Access to the Empire Ballroom and Health Club/Outdoor Pool Please use elevators on the West Side of the Hotel and go to level 2B.

Conference Schedule

Monday, July 10, 2006

Opening Plenary Session

8:30 a.m.–10:00 a.m.

Greetings and Introduction

Linda R. Washington, M.S.
Health Communications Specialist
Conference Co-Chair
Information Dissemination Staff
Office of Information Services

Edward J. Sondik, Ph.D.
Director, National Center for Health Statistics

Panel Discussion

The Role of a Statistical Agency in Evidence-Based Health Policy

Linda Bilheimer, Ph.D. (Panel Discussion)
Associate Director for Analysis and Epidemiology, NCHS

Michael J. O'Grady, Ph.D. (Panel Discussion)
Senior Fellow
National Opinion Research Center at the University of Chicago
Principal of O'Grady Health Policy LLC

Len Nichols, Ph.D. (Panel Discussion)
Director of Health Policy Program
New American Foundation

Conference Schedule

Monday, July 10, 2006

Concurrent Session I
(10:30 a.m. – noon)

1. Overview of the National Center for Health Statistics Data Systems, Part I

This session and Session 7 provide an overview of each major data collection system of the National Center for Health Statistics (NCHS). It is designed for the conference participant looking for information about the various survey systems and the types of data collected. First time participants should consider attending this session prior to sitting in on more in-depth sessions on specific data systems or the hands-on sessions utilizing NCHS data. This session will contain a general introduction to the Center as well as descriptions of the following surveys or data systems: the National Vital Statistics System, the National Survey of Family Growth and the National Health and Nutrition Examination Survey.

Speakers:

Mary Burgess, M.L.S.
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

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

Clifford L. Johnson, M.S.P.H.
Director, Division of Health and Nutrition Examination Surveys

Lester R. Curtin, Ph. D.
Senior Statistician, Division of Health and Nutrition Examination Surveys

2. National Health and Nutrition Examination Survey (NHANES) 1999–2006: Overview and Analysis Strategy

This session will provide an overview of the NHANES 1999-2006 survey. Topics will include the current NHANES survey content with a presentation on the new ophthalmology component and updates on the nutrition and laboratory components. Also, there will be a demonstration of the redesigned NHANES web site and new Web tutorial. In addition, there will be a discussion on how to access NHANES databases and analytical resources available on the Web and how to prepare analytical data files.

Speakers:

David A. Lacher, M.D., M.Ed.
Research Medical Officer, Division of Health and Nutrition Examination Surveys

Tatiana Louis, M.S.
Public Health Analyst, Division of Health and Nutrition Examination Surveys

Margaret A. McDowell, M.P.H., R.D.
Health Statistician, Division of Health and Nutrition Examination Surveys

Ana L. Chavez, M.S., R.D.
Public Health Analyst, Division of Health and Nutrition Examination Surveys

Geraldine M. McQuillan, Ph.D.
Senior Infectious Disease Epidemiologist, Division of Health and Nutrition Examination Surveys

Deanna M. Kruszon-Moran, M.S.
Health Statistician, Division of Health and Nutrition Examination Surveys

3. Adapting NCHS' National Surveys to International and Community Settings

Two major NCHS data collection systems—the National Health Interview Survey (NHIS) and the National Health and Nutrition Examination Survey (NHANES)—have been influential in survey activity at and with Statistics Canada. Questions from the NHIS were combined with questions from two Canadian health surveys to produce the questionnaire for the 2002-03 Joint Canada/United States Survey of Health

Conference Schedule

(JCUSH). NHANES staff provided extensive technical assistance to Statistics Canada as it launched its new Canadian Health Measures Survey (CHMS). In addition, NHANES protocols are being adapted by communities to provide exam-based health data at the local level. Project participants from NCHS, the New York City Department of Health, and Statistics Canada will share their experiences in developing and fielding these new surveys; examples of analyses of JCUSH data will be presented.

Speakers:

Catherine M. Simile, Ph.D.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Jane F. Gentleman, Ph.D.
Director, Division of Health Interview Statistics

Charon Gwynn, Ph.D.
Epidemiologist, New York City Department of Health and Mental Hygiene

Mark Tremblay, Ph.D.
Senior Scientific Advisor on Health Measurement, Statistics Canada

4. An Update on the National Immunization Survey (NIS)

Data from the NIS have been published in the Mortality and Morbidity Weekly Report series since 1995 and are routinely released in detailed tables on the Internet. Public-use files are available on the Internet and CD-ROM from NCHS. During this session, speakers will describe the survey and methodology, data analyses, and the content of the public-use files.

Speakers:

James Singleton, M.S.
Chief, Assessment Branch, Immunization Services Division, National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention

Meena Khare, M.S.
Mathematical Statistician, Statistical Research and Survey Design Staff, Office of Research and Methodology

Marcie Cynamon, M.A.
Chief, Survey Planning and Special Surveys Branch, and Director, State and Local Area Integrated Telephone Survey, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

5. Hands-On Session The National Health Interview Survey (NHIS)

This workshop will provide an informal opportunity for users of the NHIS to learn about accessing data via the Internet, creating analytical files, running statistical programs, and creating reports. Analysts from the survey will be available to assist and answer questions specific to participant needs.

Speakers:

Patricia Barnes, M.A.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Peter S. Meyer, M.A., M.P.H.
Special Assistant for Program Policy and Outreach, Office of the Director, Division of Health Interview Statistics

John Pleis, M.S.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Michael Martinez, M.P.H., M.H.S.A.
Epidemiologist, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

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6. Hands-On Session
Overview of the Data Warehouse on Health Data for All Ages

This workshop will cover the purpose, content, and features of the Health Data for All Ages data warehouse, a Web-based source of information that spans the life stages and includes data on pregnancy and birth, health conditions and risk factors, health care access and use, and mortality. These data are a compilation of survey and vital statistics data from NCHS as well as other Centers within CDC. Participants will learn how to find and access the data on the site and to use Beyond 20/20, the table browser application, and to manipulate, chart, and download the data.

Speakers:

LaJeana Howie, M.P.H.
Health Statistician, Infant, Child and Women's Health Statistics Branch, Office of Analysis and Epidemiology

Lara Akinbami, M.D.
Medical Officer, Infant, Child and Women's Health Statistics Branch, Office of Analysis and Epidemiology

Kate Brett, Ph.D.
Epidemiologist, Infant, Child and Women's Health Statistics Branch, Office of Analysis and Epidemiology

Amy M. Branum, M.S.P.H.
Health Statistician, Infant, Child and Women's Health Statistics Branch, Office of Analysis and Epidemiology

Phyllis Chappell
Computer Assistant, Software Solutions and Engineering Staff, Office of Information Technology

Connie Banks
Computer Assistant, Software Solutions and Engineering Staff, Office of Information Technology

Concurrent Session II
(1:30 p.m. – 3:00 p.m.)

7. Overview of the NCHS Data Systems, Part II

This session is a continuation of Session 1 and provides an overview of each of the major data collection systems of NCHS. It is designed for the conference participant looking for more information about the various survey systems and the types of data collected. First time participants should consider attending this session prior to sitting in on more in-depth sessions on specific data systems or the hands-on sessions utilizing NCHS data. This session will contain descriptions of the following surveys or data systems: the National Health Care Survey (a family of provider-based surveys that encompasses the National Hospital Discharge Survey, the National Survey of Ambulatory Surgery, the National Ambulatory Medical Care Survey, the National Hospital Ambulatory Medical Care Survey, the National Nursing Home Survey, and the National Home and Hospice Care Survey), the National Health Interview Survey, and the State and Local Area Integrated Telephone Survey.

Speakers:

Mary Burgess, M.L.S.
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Susan M. Schappert, M.A.
Statistician, Ambulatory Care Statistics Branch, Division of Health Care Statistics

Robin E. Remsburg, Ph.D., A.P.R.N., B.C.
Deputy Director, Division of Health Care Statistics

Maria F. Owings, Ph.D.
Health Statistician, Hospital Care Statistics Branch, Division of Health Care Statistics

Jane F. Gentleman, Ph.D.
Director, Division of Health Interview Statistics

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Marcie Cynamon, M.A.
Chief, Survey Planning and Special Surveys Branch, and Director, State and Local Area Integrated Telephone Survey, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

8. Vital Statistics Data Quality

An assessment of data quality is important for the analyst trying to make sense of patterns found in the data. Presentations in this session will describe current efforts to assess the quality of vital statistics data. Current studies will be described and results from these studies, where available, will be presented.

Speakers:

Joyce A. Martin, M.P.H.
Lead Statistician, Reproductive Statistics Branch, Division of Vital Statistics

Elizabeth Arias, Ph.D.
Health Scientist, Mortality Statistics Branch, Division of Vital Statistics

Melonie P. Heron, Ph.D.
Statistician, Mortality Statistics Branch, Division of Vital Statistics

Robert R. German, Dr. P.H.
Epidemiologist, Cancer Surveillance Branch, Division of Cancer Prevention and Control, NCCD

9. The National Health Interview Survey (NHIS) Early Release (ER) Program of Selected Estimates

This session will provide an opportunity for users to learn about the Early Release Program of the NHIS, which provides access to the latest data on 15 key national health indicators. The ER program updates and releases selected estimates about 6 months after NHIS data collection has been completed for each quarter, and compares estimates from 1997 to the present. This session will provide an overview of the ER program, timely research findings on a number of key national health indicators, as well as an example of methodological research that is being conducted using the ER program.

Speakers:

Jeannine Schiller, M.P.H.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Gloria Simpson, M.A.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Robin Cohen, Ph.D.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Stephen Blumberg, Ph.D.
Senior Scientist, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

10. Q-BANK: Development of a Tested-Question Database

This presentation will describe the conceptualization and development of Q-BANK, an interagency database of survey questions tested within Federal questionnaire-design research laboratories. It will discuss the impetus for interagency involvement and explain the nature of its interagency relationship and the role of the interagency steering group. The database catalogues survey questions and links each question to test findings. The database is searchable by content (e.g., asthma, cancer, demographics); by question type (e.g., objective characteristics, behavioral reports, attitudes); response category type (e.g., yes/no, open-ended, quantity); and by response problem type (e.g., problems with terms, recall problems).

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Speaker:

Kristen Miller, Ph.D.
Research Survey Statistician, Interdisciplinary Research Centers and Laboratories Staff, Office of Research and Methodology

11. Hands-On Session
Web Tutorial for the National Health and Nutrition Examination Survey (NHANES) Data Analysis

This hands-on session will demonstrate how to use a newly developed web tutorial currently in beta testing stage. This self-learning tool covers all necessary steps for analyzing NHANES data, by combining step-by-step instructions with actual examples of statistical programs and outputs, complemented with a quiz and exercises. Main topics include how to prepare analytical data files such as locating variables of interest, merging data files, using appropriate sample weights, as well as how to generate statistical estimates with SAS and SUDAAN software.

Speakers:

Rosemarie Hirsch, M.D., M.P.H.
Chief, Analysis Branch, Division of Health and Nutrition Examination Surveys

Yinong Chong, Ph.D.
Epidemiologist, Division of Health and Nutrition Examination Surveys

Jennifer Dostal
Contract Web Developer, Division of Health and Nutrition Examination Surveys

Cheryl Fryar, M.S.PH.
Associate Service Fellow, Division of Health and Nutrition Examination Surveys

12. Hands-On Session (Repeat of Session 5) The National Health Interview Survey (NHIS)

This workshop will provide an informal opportunity for users of the NHIS to learn about accessing data via the Internet, creating analytical files, running statistical programs, and creating reports. Analysts from the survey will be available to assist and answer questions specific to participant needs.

Speakers:

Patricia Barnes, M.A.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Peter S. Meyer, M.A., M.P.H.
Special Assistant for Program Policy and Outreach, Office of the Director, Division of Health Interview Statistics

John Pleis, M.S.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Michael Martinez, M.P.H., M.H.S.A.
Epidemiologist, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Concurrent Session III (3:30 p.m. – 5:00 p.m.)

13. Analytic Uses of the National Health Interview Survey (NHIS)

From individual, family, and population levels, analyses of NHIS data will be highlighted in this session. Papers focus on health outcomes, health care access and insurance, and key sociodemographic correlates of health and health care. The session includes presentations that apply different analytic techniques, from descriptive reports to multivariate modeling, using recent NHIS data on children, adults, and families.

Conference Schedule

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Speakers:

Pamela Jo Johnson, Ph.D., M.P.H.
Epidemiologist and Research Associate, the Integrated Health Interview Series (IHIS), University of Minnesota, School of Public Health, Minneapolis, MN

Jacqueline Wilson Lucas, M.P.H.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Catherine M. Simile, Ph.D.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Barbara Stussman, M.A.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

14. Health at Various Life Stages

This session will describe health at different life stages using data from various NCHS surveys. CDC is committed to achieving true improvements in people's health. To do so, the agency is defining specific health impact goals to prioritize and focus its work and investments and measure progress to help people achieve a healthy life at every life stage. Speakers will discuss health at various life stages, including the health of infants and children, adolescents and adults, and older adults.

Speakers:

Amy M. Branum, M.S.P.H.
Health Statistician, Infant, Child and Women's Health Statistics Branch, Office of Analysis and Epidemiology

Joyce C. Abma, Ph.D.
Social Scientist, Reproductive Statistics Branch, Division of Vital Statistics

Gladys M. Martinez, Ph.D.
Demographer, Reproductive Statistics Branch, Division of Vital Statistics

Kathleen S. O'Connor, M.P.H.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Margie R. Goulding, Ph.D.
Health Statistician, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

15. Analyzing Data from the National Hospital Discharge Survey (NHDS)

This analytic session will cover the basic design and operations of the National Hospital Discharge Survey. Examples of users and uses of the data, technical issues for analysts to consider in using NHDS data, issues with using the NHDS variance files, and information on how to obtain access to the NHDS nonpublic-use files through NCHS's Research Data Center are topics that will be included in the discussion.

Speakers:

Carol DeFrances, Ph.D.
Survey Statistician, Hospital Care Statistics Branch, Division of Health Care Statistics

Lola Jean Kozak, Ph.D.
Health Statistician, Hospital Care Statistics Branch, Division of Health Care Statistics

Margaret Jean Hall, Ph.D.
Health Statistician, Hospital Care Statistics Branch, Division of Health Care Statistics

Karen Lees, M.P.H.
Epidemiologist, Hospital Care Statistics Branch, Division of Health Care Statistics

Robert Pokras, M.A.
Chief, Hospital Care Statistics Branch, Division of Health Care Statistics

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16. Birth and Infant Health Data from the National Vital Statistics System

U.S. Birth Certificate data are widely used to describe demographic characteristics of women at birth, to monitor trends in infant and maternal health, and to improve our understanding of adverse pregnancy outcome. This session will provide a general overview of the content, availability, and uses of the national natality files based on both the 1989 (unrevised) and the 2003 (revised) U.S. Certificates of Live Birth. The 2003 and 2004 data files, which include both revised and unrevised data, are greatly changed in format and content. Challenges to using the new birth files will be addressed in some depth. Descriptive analysis of several of the newly available items such as the use of fertility therapy for the pregnancy, and whether a trial of labor was attempted prior to cesarean delivery also will be presented.

Speakers:

Sharon E. W. Kirmeyer, Ph.D.
Statistician, Reproductive Statistics Branch, Division of Vital Statistics

Paul D. Sutton, Ph.D.
Statistician/Geographer, Reproductive Statistics Branch, Division of Vital Statistics

Brady E. Hamilton, Ph.D.
Statistician, Reproductive Statistics Branch, Division of Vital Statistics

Fay Menacker, Dr. P.H.
Statistician, Reproductive Statistics Branch, Division of Vital Statistics

Joyce A. Martin, M.P.H.
Lead Statistician, Reproductive Statistics Branch, Division of Vital Statistics

17. Hands-On Session (Repeat of Session 11) Web Tutorial for the National Health and Nutrition Examination Survey (NHANES) Data Analysis

This hands-on session will demonstrate how to use a newly developed web tutorial currently in beta testing stage. This self-learning tool covers all necessary steps for analyzing NHANES data, by combining step-by-step instructions with actual examples of statistical programs and outputs, complemented with a quiz and exercises. Main topics include how to prepare analytical data files such as locating variables of interest, merging data files, using appropriate sample weights, as well as how to generate statistical estimates with SAS and SUDAAN software.

Speakers:

Rosemarie Hirsch, M.D., M.P.H.
Chief, Analysis Branch, Division of Health and Nutrition Examination Surveys

Yinong Chong, Ph.D.
Epidemiologist, Division of Health and Nutrition Examination Surveys

Jennifer Dostal
Contract Web Developer, Division of Health and Nutrition Examination Surveys

Cheryl Fryar, M.S. P.H.
Associate Service Fellow, Division of Health and Nutrition Examination Surveys

Conference Schedule

**18. Hands-On Session
The State and Local Area Integrated
Telephone Survey (SLAITS) (Beginner's
Session)**

Attendees of this workshop will learn how to access SLAITS
data sets, create an analytical file, run statistical programs (such
as SAS) with the analytical file, and report findings. SLAITS
staff members will be available to assist and answer questions.

Speakers:

Stephen Blumberg, Ph.D.
*Senior Scientist, Survey Planning and Special Surveys Branch, Division
of Health Interview Statistics*

Julian V. Luke
*Computer Scientist, Survey Planning and Special Surveys Branch,
Division of Health Interview Statistics*

Matthew Bramlett, Ph.D.
*Survey Statistician, Survey Planning and Special Surveys Branch,
Division of Health Interview Statistics*

Conference Mixer
(5:00 p.m. – 7:00 p.m.)

Exhibit Hall

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Concurrent Session IV
(8:30 a.m. – 10:00 a.m.)

19. Advancing National Health and Nutrition Examination Survey (NHANES) Dietary Measures

The NHANES dietary data are used to monitor the Nation's food and nutrient intakes in relation to current recommendations and to examine hypotheses regarding diet and health. Both of these purposes, and the myriad applications related to each, require estimating usual (long-run average) intakes from limited information supplied by the respondents. The National Cancer Institute has developed methods for assessing usual intakes of both foods and nutrients, at the population and individual levels, using the 24-hour recalls and incorporating data from the food propensity questionnaires and other covariates as needed. These methods take into account the nature of the NHANES complex sample. Various applications will be presented relating to both surveillance and epidemiologic questions.

Speaker:

Kevin W. Dodd, Ph.D.
Mathematical Statistician, Statistical Research and Applications Branch, Surveillance Research Program, Division of Cancer Control and Population Sciences, National Cancer Institute, National Institutes of Health

20. Analyzing Data from the National Nursing Home Survey (NNHS)

This session will describe the redesigned National Nursing Home Survey (NNHS) and methods for accessing and using the data files. New data elements added to the NNHS will be discussed. The session will also cover technical issues to consider in the analysis of the data and examples will be provided to demonstrate research topics possible with the NNHS.

Speakers:

Frederic H. Decker, Ph.D.
Social Scientist, Long-Term Care Statistics Branch, Division of Health Care Statistics

William S. Pearson, Ph.D.
Health Scientist, Long-Term Care Statistics Branch, Division of Health Care Statistics

21. Overview of Mortality System

This session presents information on the national mortality data set derived from information on death certificates filed in the States. The session will describe the source document— the death certificate— and the demographic and medical variables, including cause of death. The session will cover the meaning of the underlying and multiple causes of death, the content of the data set and CD-ROMs, data dissemination, the role of the States and NCHS, and data quality issues.

Speaker:

Kenneth D. Kochanek, M.A.
Demographic Statistician, Mortality Statistics Branch, Division of Vital Statistics

22. Environmental Health

This session will describe the efforts to examine environmental health outcomes at NCHS. Presentations will describe linkages between two NCHS data systems (the National Health Interview Survey [NHIS] and the Natality data set) and air pollution exposure data from the Environmental Protection Agency (EPA), available biomarkers of environmental indicators in the National Health and Nutrition Examination Survey (NHANES) data, an ongoing research investigating possible associations between air pollution and asthma attacks, and a perspective of how NCHS data can be used by the EPA.

Speakers:

Daniel Axelrod, M.P.P.
Environmental Scientist, Office of Policy, Economics and Innovation, U.S. Environmental Protection Agency

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Lara Akinbami, M.D.
Medical Officer, Infant Child and Women's Health Statistics Branch, Office of Analysis and Epidemiology

Jennifer Parker, Ph.D.
Health Research Scientist, Office of the Director, Office of Analysis and Epidemiology

Susan Schober, Ph.D.
Senior Epidemiologist, Office of the Director, Division of Health and Nutrition Examination Surveys

23. Hands-On Session
The National Hospital Discharge Survey (NHDS)

This workshop will provide an informal opportunity for data users of the National Hospital Discharge Survey (NHDS) to learn about accessing public-use data files online, creating analytical files, and running statistical programs. Computer exercises will be used to familiarize participants with how to read in and analyze data using SAS. Analysts from the survey will be available to answer questions specific to participant needs.

Speaker:

Michelle Podgornik, M.P.H.
Epidemiologist, Hospital Care Statistics Branch, Division of Health Care Statistics

24. Hands-On Session (Repeat of Session 5)
The National Health Interview Survey (NHIS)

This workshop will provide an informal opportunity for users of the NHIS to learn about accessing data via the Internet, creating analytical files, running statistical programs, and creating reports. Analysts from the survey will be available to assist and answer questions specific to participant needs.

Speakers:

Patricia Barnes, M.A.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Peter S. Meyer, M.A., M.P.H.
Special Assistant for Program Policy and Outreach, Office of the Director, Division of Health Interview Statistics

John Pleis, M.S.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Michael Martinez, M.P.H., M.H.S.A.
Epidemiologist, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Concurrent Session V
(10:30 a.m. – noon)

25. Measures of Overall Diet Quality and Food Group Intake in the National Health and Nutrition Examination Survey (NHANES)

The Healthy Eating Index (HEI) is a measure of overall diet quality and includes both nutrient- and food-based components. Recently it has been revised to measure conformance with the 2005 Dietary Guidelines for Americans. Dietary data available from NHANES include the HEI as well as daily intakes of nutrients and of food groups based on the USDA food guidance system, MyPyramid, all of which are created from the 24-hour dietary recall information provided by respondents. This session will describe the HEI, its psychometric and measurement properties, the Pyramid food group data, and how the HEI and Pyramid data can be used in research.

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Speakers:

James Friday, B.S.
Home Economist, Community Nutrition Research Group
Beltsville Human Nutrition Research Center, Agricultural Research
Service, U.S. Department of Agriculture

Patricia M. Guenther, Ph.D., R.D.
Nutritionist, Center for Nutrition Policy and Promotion, U.S.
Department of Agriculture

Jill Reedy, Ph.D., R.D.
Cancer Prevention Fellow, Risk Factor Monitoring and Methods Branch,
Division of Cancer Prevention and Division of Cancer Control and
Population Sciences, National Cancer Institute, National Institutes of
Health

Susan M. Krebs-Smith, Ph.D., R.D.
Chief, Risk Factor Monitoring and Methods Branch
Applied Research Program, Division of Cancer Control and Population
Sciences, National Cancer Institute, National Institutes of Health

26. National Survey of Family Growth (NSFG)

The National Survey of Family Growth (NSFG) is a survey of the household population 15-44 years of age in the United States, collecting data on various topics related to pregnancy, childbearing, family formation, and reproductive health. In-person interviews are conducted in the home using laptop computers, with the most sensitive questions asked using Audio Computer-Assisted Self-Interviewing or ACASI. This session will consist of two parts: one will be a brief overview of the NSFG and the other will be a presentation of more in-depth information on some key topics that the NSFG covers, using the most recent data, from Cycle 6 conducted in 2002. The NSFG overview will include an outline of the topics included in the survey, examples of selected basic statistics, and how to obtain and use the data and documentation.

Speaker:

Joyce C. Abma, Ph.D.
Social Scientist, Reproductive Statistics Branch, Division of Vital
Statistics

Anjani Chandra, Ph.D.
Health Scientist, Reproductive Statistics Branch, Division of Vital
Statistics

Jo Jones, Ph.D.
Demographer, Reproductive Statistics Branch, Division of Vital
Statistics

Gladys M. Martinez, Ph.D.
Demographer, Reproductive Statistics Branch, Division of Vital
Statistics

Brittany McGill, M.P.P.
Demographer, Reproductive Statistics Branch, Division of Vital
Statistics

William D. Mosher, Ph.D.
Demographer, Reproductive Statistics Branch, Division of Vital
Statistics

27. Record Linkage Activities at NCHS: The Value of Linked Data for Health Research

Linking the records of large-scale population health surveys to mortality and administrative databases provides a powerful and efficient means to augment their analytical potential for health research. NCHS has developed a record linkage program for its population-based surveys, where survey participant information has been linked to detailed information on mortality, cause of death, disability, and Medicare enrollment. The papers in this session will describe current record linkage activities, including data availability and access procedures for users, as well as current projects that demonstrate the value of these linked files for a broad range of research topics.

Speakers:

Kimberly Lochner, Sc.D.
Epidemiologist, Special Projects Branch, Office of Analysis and
Epidemiology

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Norman J. Johnson, Ph.D.
Statistician, Principal Investigator National Longitudinal Mortality Study, U.S. Census Bureau

Elizabeth Arias, Ph.D.
Health Scientist, Mortality Statistics Branch, Division of Vital Statistics

Gerald Riley, M.S.P.H.
Senior Researcher, Office of Research, Development, and Information, Centers for Medicare and Medicaid Services

Sharon Saydah, Ph.D.
Epidemiologist, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

28. Analyzing Data from the National Ambulatory Medical Care Survey (NAMCS) and the National Hospital Ambulatory Medical Care Survey (NHAMCS)

This session provides an overview of NAMCS and NHAMCS. These record-based surveys yield national estimates of visits to office-based physicians and hospital emergency and outpatient departments. Recent research findings, new data elements, analytical tools, as well as the history of the surveys and changes in item content over time will be presented.

Speakers:

Linda F. McCaig, M.P.H.
Health Scientist, Ambulatory Care Statistics Branch, Division of Health Care Statistics

David A. Woodwell
Survey Statistician, Ambulatory Care Statistics Branch, Division of Health Care Statistics

29. Hands-On Session Data Resource Center for Child and Adolescent Health

This hands-on session will demonstrate the Data Resource Center for Child and Adolescent Health web site using data from the State and Local Area Integrated Telephone Survey's (SLAITS) National Survey of Children's Health and the SLAITS National Survey of Children with Special Health Care Needs.

Speakers:

Christina Bethell, Ph.D., M.P.H., M.B.A.
Director, Child and Adolescent Health Measurement Initiative (CAHMI) at the Oregon Health & Science University, Portland, OR

Debra Read, M.P.H.
Senior Research Associate, Child and Adolescent Health Measurement Initiative (CAHMI) at the Oregon Health & Science University, Portland, OR

30. Hands-On Session Latest Development in the Data Warehouse on Trends in Health and Aging

This workshop will review various features of the Data Warehouse on Trends in Health and Aging: www.cdc.gov/nchs/agingact.htm. Included will be table manipulation, accessing explanatory information, and ChartBrowse and MapBrowse options. Attendees will become familiar with the statistical testing utility allowing users to perform significance tests on trend survey data for various health indicators. New and updated tables from the Warehouse and the latest Aging Trends reports will be presented. Presenters will evaluate the data on heart disease, diabetes, or functional status by choice of attendees. In addition, a case study on the use of the data will be presented and a pilot teaching module on various topics will be discussed.

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Speakers:

Liming Cai, Ph.D.
Senior Service Fellow, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Yelena Gorina, M.S.
Health Statistician, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Ellen Kramarow, Ph.D.
Statistician/Demographer, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

James Lubitz, M.P.H.
Acting Chief, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Laura A. Pratt, Ph.D.
Epidemiologist, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Nancy Ceridwyn, M.S., M.Ed.
Director of Special Projects, American Society on Aging, San Francisco, CA

Concurrent Session VI
(1:30 p.m. – 3:00 p.m.)

31. Using National Health and Nutrition Examination Survey (NHANES) Dietary Supplement Data

NHANES collects data on each participant's use of dietary supplements over the past 30 days. The data are released in five files: (1) number of supplements taken; (2) details of person's supplement use; (3) general information about the supplement; (4) information on each ingredient in the supplement; and (5) information on ingredients that are blends. This session will discuss the structure and content of these files, how to link and use them in analyses using SAS, and the conceptual and practical issues in combining nutrient intake from food and dietary supplements. The Office of Dietary

Supplements, National Institute of Health has developed an online tool that allows users to calculate user-specified, appropriately-weighed, population-based estimates of dietary supplement intake using NHANES dietary supplement data without statistical software. This NHANES Online Analyst for Dietary Supplements (NOADS) will be demonstrated during this session.

Speakers:

Jaime Wilger, M.P.H.
Dietary Supplement Service Fellow, Division of Health and Nutrition Examination Surveys

Mary Frances Picciano, Ph.D.
Senior Nutrition Research Scientist, Office of Dietary Supplements, National Institutes of Health

32. Data Analysis Group: Practical Applications

The NCHS Data Analysis Group provides a forum for analysts throughout NCHS to share results of their research and development activities. Presenters in this session will discuss practical applications in data analysis. Discussions will crosscut a variety of analytical topics including: accuracy of geo-coding addresses; forecasting mortality patterns; immunization among nursing home residents; and age and gender differences among Statin drug use.

Speakers:

Jill A. Marsteller, Ph.D.
School of Public Health, Department of Health Policy and Management, Johns Hopkins University

Sheila Franco, M.S.
Statistician, Analytic Studies Branch, Office of Analysis and Epidemiology

Rong Wei, Ph.D.
Mathematical Statistician, Statistical Research and Survey Design Staff, Office of Research and Methodology

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33. Exploring Features of the NCHS Web (Prerequisite for Hands-On Session 53)

This session will present an overview of the NCHS web site and introduce new features of the site that have been added to improve navigation and data access.

Speakers:

Tammy Stewart-Prather, MACC
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Mary Burgess, M.L.S.
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Linda R. Washington, M.S.
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Ann Aikin, M.A.
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Anthony Quintana
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

34. Health Data Standards

Standards are the fundamental building blocks of information systems and the common language that allows sharing and integration of data. This session will feature presentations on several health data standards-related activities, including: classifications and their use in administrative and clinical systems; the National Committee on Vital and Health Statistics, which is the advisory committee to the U.S. Department of Health and Human Services (DHHS) on national health information policy (presenter will focus on electronic health records and the National Health Information Infrastructure); and the Public Health Data Standards Consortium, which represents the interests of public health and research in standards development and implementation.

Speakers:

Sue Bowman
RHIA, CCS, Director, Coding Policy and Compliance American Health Information Management Association

Harry L. Reynolds, Jr.
Member, National Committee on Vital and Health Statistics, Vice President, Blue Cross and Blue Shield of North Carolina

Walter G. Suarez, M.D., M.P.H.
President, Public Health Data Standards Consortium, President and CEO, SGA, LLC/Midwest Center for HIPAA Education

35. Hands-On Session National Ambulatory Medical Care Survey (NAMCS)/National Hospital Ambulatory Medical Care Survey (NHAMCS), Part 1

This is part 1 of a 2-part workshop on how to use NAMCS/NHAMCS public-use files for analyzing health care utilization in the outpatient setting. This part covers survey history, design, methodology, content, data products, use of the NCHS Research Data Center, interactive Internet applications, and a hands-on session using SETS (continues with Session 41).

Speaker:

Susan M. Schappert, M.A.
Statistician, Ambulatory Care Statistics Branch, Division of Health Care Statistics

36. Hands-On Session (Advanced Session) The State and Local Area Integrated Telephone Survey (SLAITS)

Using data from the SLAITS National Survey of Children's Health, attendees of this workshop will learn how to calculate cross tabulations and logistic regression analyses in SAS, SUDAAN, and STATA. SLAITS staff members will be available to answer questions.

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Speakers:

Stephen Blumberg, Ph.D.
Senior Scientist, Survey Planning and Special Surveys Branch,
Division of Health Interview Statistics

Matthew Bramlett, Ph.D.
Survey Statistician, Survey Planning and Special Surveys Branch,
Division of Health Interview Survey

Kathleen S. O'Connor, M.P.H.
Survey Statistician, Survey Planning and Special Surveys Branch,
Division of Health Interview Statistics

Julian V. Luke
Computer Scientist, Survey Planning and Special Surveys Branch,
Division of Health Interview Statistics

Heather L. Free
Association of Schools of Public Health Intern,
Survey Planning and Special Surveys Branch,
Division of Health Interview Statistics

Concurrent Session VII
(3:30 p.m. – 5:00 p.m.)

37. National Nursing Assistant Survey

This session will provide details about the National Nursing Assistant Survey (NNAS), the first-time national survey of certified nursing assistants (CNAs) working in nursing homes, conducted in conjunction with the National Nursing Home Survey. The design of this telephone survey will be reviewed. Also, the type of information gathered in the personal interviews with the CNAs will be outlined.

Speakers:

Robin E. Remsburg, Ph.D., A.P.R.N., B.C.
Deputy Director, Division of Health Care Statistics

Marie R. Squillace, Ph.D.
Office of the Assistant Secretary for Planning and Evaluation, U.S.
Department of Health and Human Services, Office of Disability, Aging
and Long-Term Care Policy

38. Underutilized NCHS Data—Measures of Religious Practices and Complementary and Alternative Medicine

There are certain topics or subjects in NCHS datasets that have been seldom used or fully utilized. This session will highlight one group of such indicators, which measure different aspects of religious or spiritual activities from three different surveys—the Third National Health and Nutrition Examination Survey (NHANES III), the National Health Interview Survey (NHIS), and the National Survey of Family Growth (NSFG). The NHANES III (1988–94) collected data on attendance at religious services within the context of social support. This same information is being collected in the current (2005–06) NHANES. The NHIS included a supplement on Complementary and Alternative Medicine in 2002. A similar supplement is planned for 2007. The NSFG regularly collects data on religious practices in each of its cycles. Examples of analysis of existing data will be given. A review of the limitations of these measures, in the context of each survey, will also be addressed. Potential future uses of these data will be discussed.

Speakers:

Catherine M. Simile, Ph.D.
Survey Statistician, Survey Planning and Special Surveys Branch,
Division of Health Interview Statistics

Natalie E. Dupree, M.S.
Epidemiologist, Division of Health and Nutrition Examination Surveys

William D. Mosher, Ph.D.
Demographer, Reproductive Statistics Branch, Division of Vital Statistics

39. International Collaborative Activities of NCHS: Twenty Years of Experience

Since 1984, NCHS has carried out an active program of international collaborations on a variety of topics. The overall aim of these projects is to improve a specific area of health

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statistics via information sharing and collaborative research. These activities typically have involved colleagues from 5 to 10 countries, primarily but not exclusively industrialized countries, and have lasted from 5 to 10 years. Organizers of the four currently active collaborations will provide an overview of their groups, including the goals, current projects, participating countries, and accomplishments to date. Current collaborations address the following topics: injury statistics; the use of automation in mortality statistics; disability statistics; and health measurement in indigenous populations.

Speakers:

Sam Notzon, Ph.D.
Director, International Statistics Staff, Office of the Center Director

Lois A. Fingerhut, M.A.
Special Assistant for Injury Epidemiology, Office of Analysis and Epidemiology

Robert N. Anderson, Ph.D.
Chief, Mortality Statistics Branch, Division of Vital Statistics

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

40. Mental Health and NCHS Data: An Under-Explored Resource

This session will begin with a brief introduction to the types of mental health data available in the many NCHS data systems now and what is coming in the immediate future. Presentations will demonstrate what can be done with data from three NCHS surveys. Also covered will be the relationship of depression to biological measurements using the National Health and Nutrition Examination Survey (NHANES); diffusion of atypical antipsychotics by race and ethnicity from the National Ambulatory Medical Care Survey (NAMCS) and the National Hospital Ambulatory Medical Care Survey (NHAMCS); and cognitive impairment in Wave 2 and health in Wave 3 of the Longitudinal Study of Aging II.

Speakers:

Laura A. Pratt, Ph.D.
Epidemiologist, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Bruce Jonas, Ph.D.
Health Statistician, Health Promotion Statistics Branch, Office of Analysis and Epidemiology

Gail L. Daumit, M.D., M.H.S.
Assistant Professor of Medicine and Health Policy and Management, Welch Center for Prevention, Epidemiology, and Clinical Research, The Johns Hopkins Medical Institutions, Baltimore, MD

41. Hands-On Session National Ambulatory Medical Care Survey (NAMCS)/National Hospital Ambulatory Medical Care Survey (NHAMCS), Part II

This is the second of a 2-part workshop on using NAMCS/NHAMCS public-use files for analyzing health care utilization in the outpatient setting. SAS, Stata, and SUDAAN computer programs are used in hands-on exercises to read and analyze survey data and to compute variances. Advanced topics, such as creating drug files and combining data from multiple years and settings, are also covered.

Speaker:

Eric Nawar, M.H.S.
Epidemiologist, Ambulatory Care Statistics Branch, Division of Health Care Statistics

42. Hands-On Session (Repeat of Session 29) Data Resource Center for Child and Adolescent Health

This hands-on session will demonstrate the Data Resource Center for Child and Adolescent Health web site, using data from the State and Local Area Integrated Telephone Survey's

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(SLAITS) National Survey of Children's Health and the SLAITS National Survey of Children with Special Health Care Needs.

Speakers:

Christina Bethell, Ph.D., M.P.H., M.B.A.
Director, Child and Adolescent Health Measurement Initiative (CAHMI) at the Oregon Health & Science University, Portland, OR

Debra Read, M.P.H.
Senior Research Associate, Child and Adolescent Health Measurement Initiative (CAHMI) at the Oregon Health & Science University, Portland, OR

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Concurrent Session VIII
(8:30 a.m.–10:00 a.m.)

43. Remote/On-site Access to Confidential Data for Statistical Analysis at NCHS

This session will describe various ways now available at the NCHS Research Data Center (RDC) for external users to access vital and health related data for statistical analysis. An overview of the RDC, rationale for its establishment, and a description of its operations and procedures will be provided. In addition, examples of restricted use data files from NCHS surveys that are available through the RDC will be discussed. Finally, a demonstration of the RDC's remote access system will be presented. This system, **AN**alytical **D**ata **R**esearch by **E**-mail (**ANDRE**), is currently the only remote access system that has been developed by a Federal agency.

Speakers:

Kenneth W. Harris, M.S.
Acting Director, Interdisciplinary Research Centers and Laboratories Sraff, Office of Research and Methodology

Christine Cox, M.S.
Special Assistant for Record Linkage, Special Projects Branch, Office of Analysis and Epidemiology

Christopher Rogers, Ph.D.
Statistician, Interdisciplinary Research Centers and Laboratories Staff, Office of Reseach and Methodology

Vijay Gambhir, M.S.
Computer Scientist, Interdisciplinary Research Centers and Laboratories Staff, Office of Research and Methodology

44. Where Does it Hurt? NCHS Data on Pain

This session will describe pain-related data that are available in NCHS surveys. Speakers from different NCHS divisions will describe relevant data from their surveys. Data items include self-reported prevalence, duration, and severity of specific types and location of pain; use of analgesic drugs in households and prescribed during visits to office-based physicians, hospital emergency rooms, and hospital outpatient departments; and procedures to reduce pain performed during hospital stays. Forthcoming data on pain experienced by nursing home patients will also be described.

Speakers:

Amy Bernstein, Sc.D.
Chief, Analytic Studies Branch, Office of Analysis and Epidemiology

Robin E. Remsburg, Ph.D., A.P.R.N., B.C.
Deputy Director, Division of Health Care Statistics

Margaret Lethbridge-Çejku, Ph.D.
Epidemiologist, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Ryne Paulose, Ph.D.
Epidemiologist, Planning Branch, Division of Health and Nutrition Examination Surveys

45. Race and Ethnicity

This session will include presentations of research studies currently being carried out at NCHS about birth, health, and mortality outcomes and data quality by race and Hispanic origin. The research studies presented take advantage of the numerous health and mortality data systems available at NCHS. These include the Vital Statistics System, the National Health Interview Survey, as well as linkages of these data with non-NCHS data systems, including decennial Census and Medicare data.

Speakers:

Kimberly Lochner, Sc.D.
Epidemiologist, Special Projects Branch, Office of Analysis and Epidemiology

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Jacqueline Wilson Lucas, M.P.H.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Arialdi Minino, M.P.H.
Statistician, Mortality Statistics Branch, Division of Vital Statistics

Paul D. Sutton, Ph.D.
Statistician/Geographer, Reproductive Statistics Branch, Division of Vital Statistics

Achintya N. Dey, M.A.
Statistician, Division of Health Interview Statistics

46. Measurement, Imputation, and Analysis of Income Data

Population-based surveys provide a rich source of data for studying relationships between income and health and for monitoring the health and health care of persons at different income levels. There is particular interest in the health and access to health care of those with low income. However, the measurement and analysis of income data present challenges including relatively high nonresponse in most surveys. This session will discuss current approaches to income and wealth measurement at NCHS, new questions under consideration, and multiple imputation of family income in the National Health Interview Survey (NHIS). An analysis of health measures among the low-income population will provide an example of how these survey data can be used to provide policy-relevant information.

Speakers:

Diane Makuc, Dr. P.H.
Associate Director for Science, Office of the Director, Office of Analysis and Epidemiology

Nathaniel Schenker, Ph.D.
Senior Research Scientist, Office of the Director, Office of Research and Methodology

Peter S. Meyer, M.A., M.P.H.
Special Assistant for Program Policy and Outreach, Office of the Director, Division of Health Interview Statistics

Sharon Saydah, Ph.D.
Epidemiologist, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

47. Hands-On Session (Repeat of Session 5) The National Health Interview Survey (NHIS)

This workshop will provide an informal opportunity for users of the NHIS to learn about accessing data via the Internet, creating analytical files, running statistical programs, and creating reports. Analysts from the survey will be available to assist and answer questions specific to participant needs.

Speakers:

Patricia Barnes, M.A.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

John Pleis, M.S.
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Michael Martinez, M.P.H., M.H.S.A.
Epidemiologist, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

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48. Hands-On Session
What We Eat in America (WWEIA), National Health and Nutrition Examination Survey Dietary Data: What It's All About and How to Use It, Part 1

This is part 1 of a 2-part hands-on workshop with computers designed to help participants gain an understanding of and experience in using complex dietary data and documentation files and the dietary-related technical support files of the USDA Food and Nutrient Database for Dietary Studies. Participants will learn what information on foods, nutrient intakes, and sociodemographic characteristics is included in the data files. This information is important in dietary intake analysis. Particular emphasis will be given to the collection and reporting of dietary data in relation to the components and variables available for analysis including food codes, food descriptions, combination codes, eating occasions, day of the week, and time of day. The step-by-step analysis process using WWEIA, NHANES data will be discussed with special attention to identifying appropriate types of analysis and clarifying common misunderstandings and misinterpretations.

Speakers:

Alanna Moshfegh, M.S., R.D.
Research Leader, Food Surveys Research Group, Beltsville Human Nutrition Research Center, Agricultural Research Service, U.S. Department of Agriculture

Sharon Mickle, B.S.
Nutritionist, Food Surveys Research Group, Beltsville Human Nutrition Research Center, Agricultural Research Service, U.S. Department of Agriculture

Nancy Raper, M.S.
Nutritionist, Food Surveys Research Group, Beltsville Human Nutrition Research Center, Agricultural Research Service, U.S. Department of Agriculture

Concurrent Session IX
(10:30 a.m.–noon)

49. Perinatal Mortality Data from the National Vital Statistics System

This session will describe the national fetal death and linked birth/infant death files and will include detailed information on the new 2003 files. The U.S. Report of Fetal Death and U.S. Certificate of Live Birth were revised for 2003. The changes include important new data items which, once they become available nationally, should greatly enhance the utility of these fundamental sources of maternal and infant health data. However, implementation of the revised certificates has been slowed; for 2003, two States implemented the new fetal death report and two States implemented the new birth certificate. Important issues regarding appropriate use of the new files will be discussed. Differentials and trends in fetal and perinatal mortality will also be presented by a variety of variables.

Speakers:

Martha L. Munson, M.S.
Statistician, Reproductive Statistics Branch, Division of Vital Statistics

T.J. Mathews, M.S.
Statistician, Reproductive Statistics Branch, Division of Vital Statistics

Joyce A. Martin, M.P.H.
Lead Statistician, Reproductive Statistics Branch, Division of Vital Statistics

Marian F. MacDorman, Ph.D.
Senior Social Scientist, Reproductive Statistics Branch, Division of Vital Statistics

Stephanie J. Ventura, M.A.
Chief, Reproductive Statistics Branch, Division of Vital Statistics

Conference Schedule

50. Medication Data from Nationally Representative Provider- and Population-Based Surveys

Medications continue to play an increasingly important role in our nation's health care system. NCHS collects medication data at the provider- and population-level through five of its nationally representative surveys: the National Health and Nutrition Examination Survey (NHANES), the National Ambulatory Medical Care Survey (NAMCS), the National Hospital Ambulatory Medical Care Survey (NHAMCS), the National Nursing Home Survey (NNHS), and a recent pilot study in the National Hospital Discharge Survey (NHDS). This session will provide details of each survey, focusing specifically on current medication data collection and editing, availability of public-use files, and examples of data uses and analyses.

Speakers:

Lisa L. Dwyer, M.P.H.
Health Scientist, Long-Term Care Statistics Branch, Division of Health Care Statistics

Karen Lees, M.P.H.
Epidemiologist, Hospital Care Statistics Branch, Division of Health Care Statistics

Ryne Paulose, Ph. D.
Epidemiologist, Planning Branch, Division of Health and Nutrition Examination Surveys

Saeid Raofi, M.S.
Epidemiologist, Ambulatory Care Statistics Branch, Division of Health Care Statistics

51. Measuring Health Care Quality Using Data from NCHS

Measurement of health care quality benefits from the use of multiple perspectives on health care. Establishment-based surveys sample providers and collect information about the provider, health care encounter, and patient. Population-based surveys collect information about an individual's health outcomes and health-related events, regardless of whether the individual has seen a health care provider. This session will describe quality of care measures that may be obtained from publicly available data files of both types of surveys including the National Health Care Survey (NHCS), the National Health and Nutrition Examination Survey (NHANES), the National Health Interview Survey (NHIS), and the National Survey of Children's Health and will provide examples of how different surveys complement one another in assessing quality.

Speakers:

Diane Makuc, Dr. P.H.
Associate Director for Science, Office of the Director, Office of Analysis and Epidimiology

Rosemarie Hirsch, M.D., M.P.H.
Chief, Analysis Branch, Division of Health and Nutrition Examination Surveys

Jane E. Sisk, Ph.D.
Director, Division of Health Care Statistics

Kathleen S. O'Connor, M.P.H.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Irma Arispe, Ph.D.
Associate Director for Science, Division of Health Care Statistics

52. Healthy People 2010 Mid-Decade Assessment of Progress: Methods and Results

Healthy People 2010 is a comprehensive, national health promotion and disease prevention agenda with established goals and objectives for improving the health of the U.S. population by the year 2010. At the core of the initiative are two overarching goals: (1) increase the quality and years of healthy life; and (2) eliminate health disparities. The Healthy People 2010 Midcourse Review, scheduled for publication in 2006, will provide the decade's first assessment of progress toward these goals. This session presents the methods and statistics used to evaluate progress toward goals 1 and 2 at the midcourse. The focus is on the measurement of progress toward these goals, although selected results are highlighted. A demonstration of DATA2010—the public-use database containing data and data-related information for the Healthy People 2010 objectives—concludes the session.

Conference Schedule

Wednesday, July 12, 2006

Speakers:

Richard J. Klein, M.P.H.
Acting Chief, Health Promotion Statistics Branch, Office of Analysis and Epidemiology

Zakia Coriaty Nelson, M.P.H.
Epidemiologist, Health Promotion Statistics Branch, Office of Analysis and Epidemiology

Erin Reidy, M.P.H.
Health Statistician, Health Promotion Statistics Branch, Office of Analysis and Epidemiology

Suzanne Proctor Hallquist, M.S.P.H.
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Leda Gbetibouo, M.S.M., M.P.H.
Epidemiologist, Health Promotion Statistics Branch, Office of Analysis and Epidemiology

Asel Ryskulova, M.D., Ph.D.
Associate Service Fellow, Health Promotion Statistics Branch, Office of Analysis and Epidemiology

53. Hands-On Session (Session 33 is a Prerequisite) Finding Key Resources for Research Via the NCHS Web Site

This workshop includes several learning modules for equipping students and researchers with ways to locate statistical information for health research. Participants will be asked to solve a series of scenarios using the CDC/NCHS web site as the main data source and provide an explanation of the findings.

Speakers:

Tammy Stewart-Prather, MACC
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Mary Burgess, M.L.S.
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Kathy Brannan
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Linda R. Washington, M.S.
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Anthony Quintana
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

54. Hands-On Session What We Eat in America (WWEIA), National Health and Nutrition Examination Survey Dietary Data: What It's All About and How to Use It, Part II

This is part 2 of a hands-on workshop with computers designed to help participants gain an understanding of and experience in using complex dietary data and documentation files and the dietary-related technical support files of the USDA Food and Nutrient Database for Dietary Studies. Participants will learn what information on foods, nutrient intakes, and sociodemographic characteristics is included in the data files. This information is important in dietary intake analysis. Particular emphasis will be given to the collection and reporting of dietary data in relation to the components and variables available for analyses including food codes, food descriptions, combination codes, eating occasions, day of the week, and time of day. The step-by-step analysis process using WWEIA, NHANES data will be discussed with special attention to identifying appropriate types of analysis and clarifying common misunderstandings and misinterpretations.

Wednesday, July 12, 2006

Speakers:

Alanna Moshfegh, M.S., R.D.
Research Leader, Food Surveys Research Group, Beltsville Human Nutrition Research Center, Agricultural Research Service, U.S. Department of Agriculture

Sharon Mickle, B.S.
Nutritionist, Food Surveys Research Group, Beltsville Human Nutrition Research Center, Agricultural Research Service, U.S. Department of Agriculture

Nancy Raper, M.S.
Nutritionist, Food Surveys Research Group, Beltsville Human Nutrition Research Center, Agricultural Research Service, U.S. Department of Agriculture

Concurrent Session X
(1:30 p.m.–3:00 p.m.)

55. An Update on the State and Local Area Integrated Telephone Survey (SLAITS) Mechanism

By using the sampling frame of the ongoing National Immunization Survey (NIS), the SLAITS mechanism can effectively sample large numbers of households at the State and urban level. During this session, presenters will describe the various questionnaire modules that are at or near completion and those that are planned in the near future.

Speakers:

Marcie Cynamon, M.A.
Chief, Survey Planning and Special Surveys Branch, and Director, State and Local Area Integrated Telephone Survey, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Stephen Blumberg, Ph.D.
Senior Scientist, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Matthew Bramlett, Ph.D.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Kathleen S. O'Connor, M.P.H.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Julian V. Luke
Computer Scientist, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

56. Summary Measures of Population Health

This session will discuss: (1) summary measures of population health in general, healthy, and active life expectancy in particular; (2) the estimation of the measures and issues related to methodology and data; (3) the application of summary measures of population for assessing national health objectives; and (4) the use of summary measures of population health for HP2010.

Speakers:

Elsie Pamuk, Ph.D.
Office of the Director, Office of Analysis and Epidemiology

James Lubitz, M.P.H.
Acting Chief, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Richard J. Klein, M.P.H.
Acting Chief, Health Promotion Statistics Branch, Office of Analysis and Epidemiology

William Lawrence, M.D., M.S.
Center for Outcomes and Effectiveness Research, Agency for Healthcare Research and Quality

Conference Schedule

Wednesday, July 12, 2006

57. Advancing the National Health and Nutrition Examination Survey (NHANES) Physical Activity Measures: Physical Activity Monitors

The NHANES physical activity measures have evolved over time from two questions in NHANES I to a comprehensive questionnaire that includes more than 20 questions about physical activity in multiple domains. To complement the self-reported data available from NHANES, the National Cancer Institute partnered with NCHS to include accelerometers in NHANES 2003–06 for all ambulatory respondents over the age of 6 years. These devices provide objective data on frequency, duration, and intensity of physical activity. The resulting data from NHANES 2003–04 comprise over 70 million records of activity intensity from over 6,800 NHANES participants. This presentation will describe the data available, introduce methods and resources for data analysis, and present findings from the NHANES 2003–04 accelerometer data.

Speaker:

CDR Richard P. Troiano, Ph.D.
Epidemiologist, Risk Factor Monitoring and Methods Branch, Applied Research Program, Division of Cancer Control and Population Sciences, National Cancer Institute, National Institutes of Health

58. Cognitive Interviewing at NCHS: Current Practice and New Advancements

This session is designed to give a broad overview of the many applications and findings of cognitive interviewing at NCHS. Topics will include the logic of cognitive interviewing practice, the theory and application, recent methodological advances, and numerous examples from recent projects. This session should be of interest to anyone who plans to conduct cognitive interviews, who intends to use the results to evaluate their own surveys, or who would like to gain a deeper appreciation of the meaning behind survey statistics.

Speakers:

Paul C. Beatty, Ph.D.
Behavioral Scientist, Interdisciplinary Research Centers and Laboratories Staff, Office of Research and Methodology

Kristen Miller, Ph.D.
Research Survey Statistician, Interdisciplinary Research Centers and Laboratories Staff, Office of Research and Methodology

Karen Whitaker
Laboratory Manager, Interdisciplinary Research Centers and Laboratories Staff, Office of Research and Methodology

Stephanie Willson, Ph.D.
Survey Statistician, Interdisciplinary Research Centers and Laboratories Staff, Office of Research and Methodology

59. Hands-On Session Data Warehouse: Major Data Sources for Information on Older Persons and Related Health Measures

The Data Warehouse on Trends in Health and Aging www.cdc.gov/nchs/agingact.htm is a Web-based collection of data tables showing up-to-date trends in health status, health-related behaviors, functional status and disability, health care utilization, health care insurance, and health care costs for the older U.S. population. This session will review a variety of government data sources on aging used in the Warehouse. The attendees will learn how to find appropriate information in the Data Warehouse and will learn how to manipulate the tables, access explanatory messages, sort the data, and build charts and maps. The session will review possible uses of the data from the Warehouse. In addition, a case study will be presented.

Speakers:

Liming Cai, Ph.D.
Senior Service Fellow, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Yelena Gorina, M.S.
Health Statistician, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Wednesday, July 12, 2006

Ellen Kramarow, Ph.D.
Statistician/Demographer, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

James Lubitz, M.P.H.
Acting Chief, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Laura A. Pratt, Ph.D.
Epidemiologist, Aging and Chronic Disease Statistics Branch, Office of Analysis and Epidemiology

Nancy Ceridwyn, M.S., M.Ed.
Director of Special Projects, American Society on Aging, San Francisco, CA

60. Hands-On Session (Self-Directed) Web Tutorial for the National Health and Nutrition Examination Survey (NHANES) Data Analysis

In this self-directed session, participants will have the opportunity to view the NHANES Data Analysis Tutorial at their own pace. No formal presentation will be given but staff will be on hand to answer questions.

Concurrent Session XI (3:30 p.m.–5:00 p.m.)

61. Practical Applications in Design and Analysis of Complex Sample Surveys

Presentations will provide an overview of NCHS survey design features and guidance for incorporating survey design features into analyses of NCHS survey data. The session includes design features of telephone and multi-mode surveys. The presenters will focus their discussion on the designs of the National Health Interview Survey (NHIS), the National Survey of Family Growth (NSFG), a multi-mode survey and one or more establishment surveys.

Speakers:

Linda Tompkins, M.S.
Mathematical Statistician, Statistical Research and Survey Design Staff, Office of Research and Methodology

Meena Khare, M.S.
Mathematical Statistician, Statistical Research and Survey Design Staff, Office of Research and Methodology

Karen Davis M.S.
Mathematical Statistician, Statistical Research and Survey Design Staff, Office of Research and Methodology

Iris Shimizu, Ph.D.
Mathematical Statistician, Statistical Research and Survey Design Staff, Office of Research and Methodology

62. Issues to Consider When Analyzing SLAITS Data on Children's Health

This session will highlight recent research findings that enhance the analysis and interpretation of data from the SLAITS National Survey of Children with Special Health Care Needs and the SLAITS National Survey of Children's Health. Findings include options for describing children with special health care needs, variations related to interview language, and pitfalls when comparing findings from the two surveys.

Speakers:

Christina Bethell, Ph.D., M.P.H., M.B.A.
Director, Child and Adolescent Health Measurement Initiative (CAHMI) at the Oregon Health & Science University, Portland, OR

Debra Read, M.P.H.
Senior Research Associate, Child and Adolescent Health Measurement Initiative (CAHMI) at the Oregon Health & Science University, Portland, OR

63. No Session

64. No Session

Conference Schedule

Wednesday, July 12, 2006

65. Hands-On Session (Advanced Session) The State and Local Area Integrated Telephone Survey (SLAITS) (Repeat of Session 36)

Using data from the SLAITS National Survey of Children's Health, attendees of this workshop will learn how to calculate cross tabulations and logistic regression analyses in SAS, SUDAAN, and STATA. SLAITS staff members will be available to answer questions.

Speakers:

Stephen Blumberg, Ph.D.
Senior Scientist, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Matthew Bramlett, Ph.D.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Kathleen S. O'Connor, M.P.H.
Survey Statistician, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Julian V. Luke
Computer Scientist, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

Heather L. Free
Association of Schools of Public Health Intern, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

66. Tools for Accessing NCHS Data

In this session, participants will learn how to access NCHS data using a variety of data access tools, including SETS, SAS, Beyond 20/20, and WONDER. The group will discuss updates, differences, and special features of each of the tools. In the second part of the session, participants will query the systems to access various NCHS data sources with real examples.

Speaker:

Ann Aikin, M.A.
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

Linda R. Washington, M.S.
Health Communications Specialist, Information Dissemination Staff, Office of Information Services

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Lara Akinbami, M.D. (6, 22)
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Elizabeth Arias, Ph.D. (8, 27)
Health Scientist, Mortality Statistics Branch, Division of Vital Statistics

Irma Arispe, Ph.D. (51)
Associate Director for Science, Division of Health Care Statistics

Daniel Axelrod, M.P.P. (22)
Environmental Scientist, Office of Policy, Economics and Innovation, U.S. Environmental Protection Agency

Connie Banks (6)
Computer Assistant, Software Solutions and Engineering Staff, Office of Information Technology

Patricia Barnes, M.A. (5, 12, 24, 47)
Health Statistician, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

Paul C. Beatty, Ph.D. (58)
Behavioral Scientist, Interdisciplinary Research Centers and Laboratories Staff, Office of Research and Methodology

Amy Bernstein, Sc.D. (44)
Chief, Analytic Studies Branch, Office of Analysis and Epidemiology

Christina Bethell, Ph.D., M.P.H., M.B.A. (29, 42, 62)
Director, Child and Adolescent Health Measurement Initiative (CAHMI) at the Oregon Health & Science University, Portland, OR

Linda Bilheimer, Ph.D. (Panel Discussion)
Associate Director for Analysis and Epidemiology, NCHS

Stephen Blumberg, Ph.D. (9, 18, 36, 55, 65)
Senior Scientist, Survey Planning and Special Surveys Branch, Division of Health Interview Statistics

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RHIA, CCS, Director, Coding Policy and Compliance, American Health Information Management Association

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Gail L. Daumit, M.D., M.H.S. (40)
Assistant Professor of Medicine and Health Policy and Management, Welch Center for Prevention, Epidemiology, and Clinical Research, The Johns Hopkins Medical Institutions, Baltimore, MD

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Nutritionist, Center for Nutrition Policy and Promotion, U.S. Department of Agriculture

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Epidemiologist, New York City Department of Health and Mental Hygiene

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Norman J. Johnson, Ph.D. (27)
Statistician, Principal Investigator National Longitudinal Mortality Study, U.S. Census Bureau

Pamela Jo Johnson, Ph.D., M.P.H. (13)
Epidemiologist and Research Associate, the Integrated Health Interview Series (IHIS), University of Minnesota, School of Public Health, Minneapolis, MN

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Epidemiologist, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

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School of Public Health, Department of Health Policy and Management, Johns Hopkins University

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Gladys M. Martinez, Ph.D. (14, 26)
Demographer, Reproductive Statistics Branch, Division of Vital Statistics

Michael Martinez, M.P.H., M.H.S.A. (5, 12, 24, 47)
Epidemiologist, Data Analysis and Quality Assurance Branch, Division of Health Interview Statistics

T.J. Mathews, M.S. (49)
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Brittany McGill, M.P.P. (26)
Demographer, Reproductive Statistics Branch, Division of Vital Statistics

Geraldine M. McQuillan, Ph.D. (2)
Senior Infectious Disease Epidemiologist, Division of Health and Nutrition Examination Surveys

Fay Menacker, Dr. P.H. (16)
Statistician, Reproductive Statistics Branch, Division of Vital Statistics

Peter S. Meyer, M.A., M.P.H. (5, 12, 24, 46)
Special Assistant for Program Policy and Outreach, Office of the Director, Division of Health Interview Statistics

Sharon Mickle, B.S. (48, 54)
Nutritionist, Food Surveys Research Group, Beltsville Human Nutrition Research Center, Agricultural Research Service, U.S. Department of Agriculture

Kristen Miller, Ph.D. (10, 58)
Research Survey Statistician, Interdisciplinary Research Centers and Laboratories Staff, Office of Research and Methodology

Arialdi Minino, M.P.H. (45)
Statistician, Mortality Statistics Branch, Division of Vital Statistics

William D. Mosher, Ph.D. (26, 38)
Demographer, Reproductive Statistics Branch, Division of Vital Statistics

Alanna Moshfegh, M.S., R.D. (48, 54)
Research Leader, Food Surveys Research Group, Beltsville Human Nutrition Research Center, Agricultural Research Service, U.S. Department of Agriculture

Martha L. Munson, M.S. (49)
Statistician, Reproductive Statistics Branch, Division of Vital Statistics

Eric Nawar, M.H.S. (41)
Epidemiologist, Ambulatory Care Statistics Branch, Division of Health Care Statistics

Zakia Coriaty Nelson, M.P.H. (52)
Epidemiologist, Health Promotion Statistics Branch, Office and Analysis and Epidemiology

Len Nichols, Ph.D. (Panel Discussion)
Director of Health Policy Program
New American Foundation

Sam Notzon, Ph.D. (39)
Director, International Statistics Staff, Office of the Center Director

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