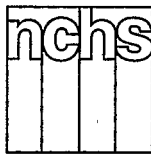


Rec'd 7/2/93



Public Health Conference on Records and Statistics

Toward the year

2000

Refining the measures

Mayflower Hotel • Washington D.C.

July 19–21, 1993



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





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

**1993 PUBLIC HEALTH CONFERENCE ON
RECORDS AND STATISTICS PROGRAM
COMMITTEE**

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Director
National Center for Health Statistics

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Acting Deputy Director
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Patricia E. Keaton-Williams
Sabra F. Lloyd
Stephen L. Sloan

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FOR YOUR INFORMATION

About the Conference . . .

Since 1958 the National Center for Health Statistics (NCHS) has sponsored the Public Health Conference on Records and Statistics (PHCRS) as a biennial national meeting. This 24th PHCRS, with the theme "Toward the year 2000—Refining the measures," provides a forum for Federal, State, and local government representatives as well as universities and professional associations to share their statistical knowledge and experience. This diverse gathering lends a rich variety of perspectives on current issues concerning health information in the United States. Technical and philosophical issues are brought to light during each conference session, and the published proceedings serve as a valuable reference in addressing current issues.

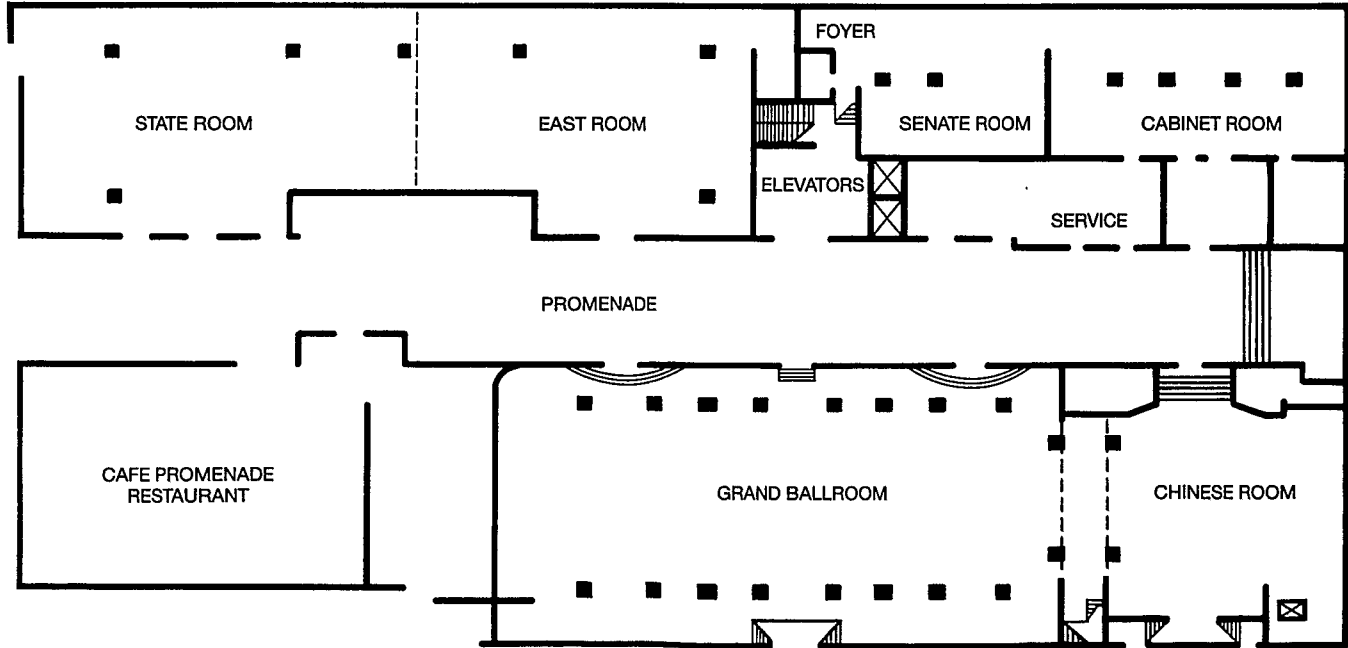
About the National Center for Health Statistics . . .

The NCHS is the Federal Government's principal health statistics agency. NCHS's data systems address the full spectrum of concerns in the health field from birth to death. This includes overall health status, lifestyle, exposure to unhealthy influences, the onset and diagnosis of illness and disability, and the use of health care. NCHS maintains over a dozen surveys that collect health information through personal interviews; physical examinations and laboratory testing; review of hospital, nursing home, and physician records; and other means. These data systems and the subsequent analyses and reports are designed to provide information useful to a variety of policymakers and researchers.

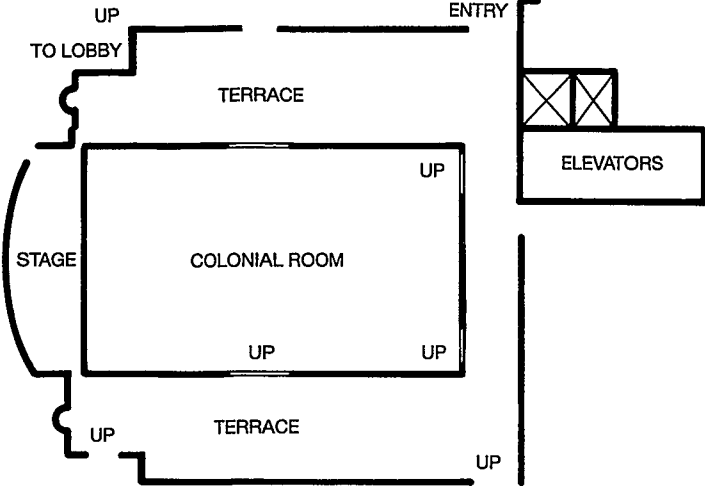
About the Topic . . .

Healthy People 2000 is a national initiative to improve the health of all Americans through prevention. It is driven by 300 specific national health promotion and disease prevention objectives targeted for achievement by the year 2000. Central to this process, and underlying all efforts to improve health and health care, is a reliance on data to identify problems, point to solutions, and measure progress. A public health initiative of the magnitude of *Healthy People 2000* also requires initiatives of comparable scope and dimension to provide the data required. By the year 2000, the Nation seeks to increase the span of healthy life, reduce health disparities in the population, and provide access to preventive services for all Americans. Conceptual and methodological issues must be addressed to provide the statistical support to achieve those goals. The 24th PHCRS seeks to refine the measures as the Nation moves toward the year 2000.

FIRST FLOOR MEETING ROOMS



LOWER LEVEL MEETING ROOM



Conference Week at a Glance

TOWARD THE YEAR 2000

Monday, July 19

Tuesday,

9:00 a.m. to 10:00 a.m.	Opening Ceremony				Second Measuring
10:30 a.m. to 12:00 p.m.	First Plenary Session Increasing Span of Healthy Life				I. What's News in Health Statistics?
12:00 p.m. to 1:30 p.m.	Lunch				Lunch
1:30 p.m. to 3:00 p.m.	A. Years of Healthy Life	B. Infant Mortality	C. Children and Youth	D. Mental Health Indicators— From Epidemiology to Service Delivery	M. Numerator— Denominator Linkage
3:30 p.m. to 5:00 p.m.	E. Family and Health	F. Nutrition	G. Injuries and Violence	H. Measuring the Health and Disability of Older Americans	Q. Socio— economic Indicators
5:30 p.m. to 7:00 p.m.	All Conference Mixer				

-- REFINING THE MEASURES

July 20

Wednesday, July 21

Plenary Session Health Disparities			Third Plenary Session Assessing Preventive and Primary Health Services			
J. Race-Ethnicity Classification	K. People with Disabilities	L. Health Statistics from Record Systems	U. Cost-Benefit Analyses	V. Comparable Methods and Data	W. Medical Effectiveness Outcomes Research	X. Health Data for Program Management
			Lunch			
N. International Comparisons	O. Issues in Confidentiality	P. Methodological Issues for National Minority Data	Y. Data Support for Medical Care Policy	Z. Prevention Effectiveness	AA. Barriers to Care	BB. CDC's Recommendations on Public Health Surveillance Systems
R. Minority Health Research	S. Intercensal Population Estimates	T. Special Focus Surveys				
			Demonstrations and Exhibits throughout the 3-day conference			

CONFERENCE SESSIONS

The Public Health Conference on Records and Statistics

Toward the Year 2000—Refining the Measures

Monday, July 19

OPENING CEREMONY

9:00–10:00 a.m.

FIRST PLENARY SESSION

10:30 a.m.–12:00 p.m.

Increasing Span of Healthy Life

Lunch Break 12:00–1:30 p.m.

CONCURRENT AFTERNOON

SESSIONS 1:30–3:00 p.m.

- A Years of Healthy Life
 - B Infant Mortality
 - C Children and Youth
 - D Mental Health Indicators—From Epidemiology to Service Delivery
-

CONCURRENT AFTERNOON

SESSIONS 3:30–5:00 p.m.

- E Family and Health
 - F Nutrition
 - G Injuries and Violence
 - H Measuring the Health and Disability of Older Americans
-

ALL CONFERENCE MIXER

5:30–7:00 p.m.

Tuesday, July 20

SECOND PLENARY SESSION

9:00–10:00 a.m.

Measuring Health Disparities

CONCURRENT MORNING

SESSIONS 10:30 a.m.–12:00 p.m.

- I What's News in Health Statistics?
- J Race-Ethnicity Classification
- K People with Disabilities
- L Health Statistics from Record Systems

Lunch Break 12:00–1:30 p.m.

CONCURRENT AFTERNOON

SESSIONS 1:30–3:00 p.m.

- M Numerator-Denominator Linkage
- N International Comparisons
- O Issues in Confidentiality
- P Methodological Issues for National Minority Data

*CONCURRENT AFTERNOON
SESSIONS 3:30–5:00 p.m.*

- Q Socioeconomic Indicators
- R Minority Health Research
- S Intercensal Population Estimates
- T Special Focus Surveys

Wednesday, July 21

*THIRD PLENARY SESSION
9:00–10:00 a.m.*

Assessing Preventive and Primary
Health Services

*CONCURRENT MORNING
SESSIONS 10:30 a.m.–12:00 p.m.*

- U Cost-Benefit Analyses
- V Comparable Methods and Data
- W Medical Effectiveness Outcomes
Research
- X Health Data for Program
Management

Lunch Break 12:00–1:30 p.m.

*CONCURRENT AFTERNOON
SESSIONS 1:30–3:00 p.m.*

- Y Data Support for Medical Care
Policy
- Z Prevention Effectiveness
- AA Barriers to Care
- BB CDC's Recommendations on
Public Health Surveillance Systems

WHERE TO FIND IT

Conference Headquarters—All 1993 conference sessions will be held at the Mayflower Hotel, located at 1127 Connecticut Avenue, NW., Washington, D.C. 20036. Metro RED Line, Farragut North Stop, “L” Street Exit. Telephone: (202) 347-3000.

Registration—The registration desk located in the promenade will be open the following hours:

Sunday, July 18	1:00 to 6:00 p.m.
Monday, July 19	8:00 a.m. to 5:00 p.m.
Tuesday, July 20	8:00 a.m. to 5:00 p.m.
Wednesday, July 21	8:00 a.m. to 3:00 p.m.

Conference Mixer—All conference participants are invited to the mixer on Monday from 5:30 to 7:30 p.m. in the Colonial Room. Don’t miss this occasion to greet distinguished guests, meet new acquaintances, and rejoin old friends.

Exhibits—Conference exhibits can be viewed on Monday and Tuesday from 9:00 a.m. to 5:00 p.m., and on Wednesday from 9:00 a.m. to 12:00 p.m. in the Cabinet room.

Message Board and Lost and Found—A bulletin board near the PHCRS registration desk will be used to notify conference participants of messages. This message center will also serve as the conference lost and found.

Conference Proceedings—All who register will receive automatically, without charge, a copy of the conference proceedings pending publication. (Anticipated timeframe of 6 months for final publication.)

FIRST PLENARY SESSION

9:00 a.m.–12:00 p.m.

OPENING CEREMONY

9:00 a.m. Welcome and Introductions
Manning Feinleib, M.D., Dr.P.H.
Director
National Center for Health Statistics
Greetings and Opening Remarks
Walter R. Dowdle, Ph.D.
Deputy Director
Centers for Disease Control and Prevention

INCREASING SPAN OF HEALTHY LIFE

The means for producing longer, quality lives for all Americans is a challenge for medical care, health promotion, and statistical measurement.

Chairperson: J. Michael McGinnis, M.D.
Deputy Assistant Secretary for Health
Office of Disease Prevention and Health Promotion

10:50 a.m. *Valuing Lives, Valuing Health*
Donald L. Patrick, Ph.D., M.S.P.H.
Professor and Director, Social and Behavioral Sciences
Department of Health Services
University of Washington

11:20 a.m. *Tough Decisions: Tradeoffs Involving Years of Healthy Life*
Jane E. Sisk, Ph.D.
Professor
Division of Health Policy and Management
Columbia University School of Public Health

Session

Organizer: Peter L. Hurley

CONCURRENT SESSION A

1:30–3:00 p.m.

YEARS OF HEALTHY LIFE

Progress towards the *Healthy People 2000* goal to increase the span of healthy life for Americans can be tracked by measuring years of healthy life. This session will address research on and applications of measures of years of healthy life.

Chairperson: Jacob J. Feldman, Ph.D.

Associate Director
Office of Analysis and Epidemiology
National Center for Health Statistics

1:35 p.m. *Calculating Years of Healthy Life for Healthy People 2000*

Pennifer Erickson*
Chief, Clearinghouse on Health Indexes
Division of Epidemiology and Health Promotion
National Center for Health Statistics

2:00 p.m. *The Calculation of Health-Adjusted Life Expectancy in Canada*

Using a Multi-Attribute Utility Function
Roger Roberge, M.A.*
Analyst, Health Analysis and Modeling Group
Statistics Canada

2:25 p.m. *Accounting for Deaths When Measuring Health Status*

Over Time
Paula Diehr, Ph.D.*
Professor of Biostatistics and Health Services
Department of Biostatistics
University of Washington

2:50 p.m. Discussion

Session

Organizer: Pennifer Erickson

**Speaker of coauthored paper.*

CONCURRENT SESSION B

1:30–3:00 p.m.

INFANT MORTALITY

Innovative approaches to epidemiological analysis of perinatal and infant mortality, measurement of gestational age and prenatal care, and classification of cause of death and time of death will be discussed.

Chairperson: John L. Kiely, Ph.D.

Visiting Scientist
Division of Analysis
Office of Analysis and Epidemiology
National Center for Health Statistics

1:30 p.m. *Underlying Causes of Fetal Death: Effect of an Additional Panel of Check Boxes on the Wisconsin 1989 Revised Fetal Death Report Form*

Russell S. Kirby, Ph.D., M.S.*
Assistant Professor
Department of Pediatrics
University of Arkansas for Medical Sciences

1:45 p.m. *Measuring the Link Between Improved Maternal Referral and Improved Neonatal Mortality*

Sherry Allison-Cooke, M.A.
Senior Research Associate
National Perinatal Information Center

2:00 p.m. *A Methodological Approach to Improving Pregnancy Outcomes in African-American Women*

Cecile H. Edwards, Ph.D.*
Graduate Professor
College of Allied Health Sciences
Department of Nutritional Sciences
Howard University

2:15 p.m. *Intermediate Variables as Determinants of Adverse Pregnancy Outcome in High-Risk Inner City Populations*

Ravi K. Sharma, Ph.D.*
Assistant Professor
Department of Health Services Administration
University of Pittsburgh

*Speaker of coauthored paper.

Monday, July 19

CONCURRENT SESSION B

1:30–3:00 p.m.

2:30 p.m.

Discussant:

Michelle A. Williams, Sc.D.

Assistant Professor of Epidemiology

School of Public Health and Community Medicine

University of Washington

Session

Organizer:

John L. Kiely, Ph.D.

Monday, July 19

CONCURRENT SESSION C

1:30–3:00 p.m.

CHILDREN AND YOUTH

This session will address the measurement of factors related to the health of children and youth (ages 1 to 24), with a special focus on health behaviors impacting immediate health status as well as future health, for example, years of healthy life.

Chairperson: James G. Ross, M.S.
Vice President
Macro International, Inc.

1:35 p.m. *The “Bright Smiles, Bright Futures” Curriculum Evaluation: Designing Health Education Evaluations Which Address the Methodological Challenges of Collecting Data From Young Children*
Robert S. Gold, Ph.D.*
Senior Science Advisor
Macro International, Inc.

1:55 p.m. *Implications of the Interaction Effect of Maternal Education and Access to Medical Care on Analysis of Injury Risk According to Patterns of Child Care*
Mary D. Overpeck, Dr.P.H.*
Epidemiologist, Epidemiology Branch
National Institute of Child Health

2:15 p.m. *Drug and Alcohol Findings: New York State Students in Fifth and Sixth Grades*
Blanche Frank, Ph.D.*
Chief, Bureau of Applied Studies
New York State Office of Alcoholism and Substance Abuse Services

2:35 p.m. *Homeless Street Youth: Strategies and Obstacles to Gathering Representative, Reliable, and Valid Data*
Therese Van Houten, D.S.W.
Evaluation Director
Macro International, Inc.

2:55 p.m. Discussion

Session

Organizer: Laura Kann, Ph.D.

**Speaker of coauthored paper.*

CONCURRENT SESSION D

1:30–3:00 p.m.

**MENTAL HEALTH INDICATORS – FROM EPIDEMIOLOGY
TO SERVICE DELIVERY**

Mental health epidemiological and service use data will be explored as well as new evolving conceptualization for how such data might be collected.

Chairperson: Ronald W. Manderscheid, Ph.D.
Acting Director
Division of State and Community Systems Development
Center for Mental Health Services
Substance Abuse and Mental Health Services Administration

1:30 p.m. *The Social Costs of Anxiety Disorders*
Andrew C. Leon, Ph.D.*
Assistant Professor of Biostatistics in Psychiatry
Department of Psychiatry
Cornell University Medical College

2:00 p.m. *Reflections on Appropriate Mental Health Questions for the Health
Interview Survey*
James S. Larson, Ph.D.
Professor
Institute of Government
University of Arkansas

2:30 p.m. *Specialty Mental Health Service Utilization in the United States*
Marilyn J. Henderson, M.P.A.
Assistant Chief
Survey and Analysis Branch
Center for Mental Health Services
Substance Abuse and Mental Health Services Administration

Session

Organizer: Ronald W. Manderscheid, Ph.D.

**Speaker of coauthored paper.*

Monday, July 19

CONCURRENT SESSION E

3:30-5:00 p.m.

FAMILY AND HEALTH

The reciprocal effects of family configuration and functioning on individuals' health related habits and health outcomes will be examined.

Chairperson: Felicia LeClere, Ph.D.

Health Statistician

Division of Health Interview Statistics

National Center for Health Statistics

3:35 p.m. *Parental Factors Influencing Patterns of Prenatal Care Utilization*

Peter D'Ascoli, M.D., M.P.H.*

Faculty Member

School of Public Health

University of Minnesota

3:55 p.m. *Family and Cultural Factors in Mental and Physical Comorbidity in Children*

Jacqueline L. Angel, Ph.D.*

Lecturer

Sociology Department

University of Texas at Austin

4:15 p.m. *Family Strength and Youth Behavior Outcomes*

Barbara Sugland, Sc.D., M.P.H.*

Research Associate

Child Trends, Inc.

4:35 p.m. Discussants:

Martha Riche, Ph.D.

Director of Policy Studies

Population Reference Bureau

Washington, D.C.

Karen Smith Thiel, Ph.D.

Director, Healthy Start Evaluation

Health Resources and Services Administration

Session

Organizer: Felicia LeClere, Ph.D.

**Speaker of coauthored paper.*

CONCURRENT SESSION F

3:30–5:00 p.m.

NUTRITION

Development and standardization of nutritional status indicators, including diet, anthropometry, and nutrition-related health measures such as blood cholesterol, blood pressure, and nutritional biochemistries, are critical to assessing the nutritional status of population groups and the impact of dietary and health practices on the risk of nutrition-related chronic diseases.

Chairperson: Ronette R. Briefel, Dr.P.H., R.D.
Coordinator for Nutrition Monitoring and Related Research
Division of Health Examination Statistics
National Center for Health Statistics

3:30 p.m. *Assessing Fruit and Vegetable Intakes: Toward the Year 2000*
Susan Krebs-Smith, Ph.D.*
Nutritionist
Applied Research Branch
National Cancer Institute

3:50 p.m. *Schools—Where We Are in Meeting the Year 2000 Nutrition Goals*
Patricia McKinney, M.S., R.D.*
Program Analyst
Office of Analysis and Evaluation
Food and Nutrition Service
Department of Agriculture

4:10 p.m. *Monitoring Progress Toward Meeting Year 2000 Objectives:
NHANES III, 1988–91*
Clifford Johnson, M.S.P.H.
Special Assistant for Analysis
Division of Health Examination Survey
National Center for Health Statistics

4:30 p.m. *Monitoring the Nation's Health: The 1991 Health Survey for
England—Results and Methodology*
Amanda White, B.A.
Principal Social Survey Officer
Office of Population Censuses and Surveys
Social Survey Division
St. Catherine's House

*Speaker of coauthored paper.

Monday, July 19

CONCURRENT SESSION F

3:30–5:00 p.m.

4:50 p.m. Discussion

Session

Organizer: Ronette R. Briefel, Dr.P.H., R.D.

CONCURRENT SESSION G

3:30-5:00 p.m.

INJURIES AND VIOLENCE

Methodological and substantive issues will be examined as they relate to the impact of intentional and unintentional injuries on healthy life.

Chairperson: Lois A. Fingerhut, M.A.
Special Assistant for Injury Epidemiology
Office of Analysis and Epidemiology
National Center for Health Statistics

3:30 p.m. *Reporting External Cause of Injury and Poisoning Codes in Medicare Hospital Discharge Data*
Harry L. Savitt, Ph.D.*
Deputy Director, Division of Beneficiary Studies
Office of Research and Demonstrations
Health Care Financing Administration

3:45 p.m. *Emergency Department Weapon-Related Injury Surveillance*
Victoria Vespe Ozonoff, Ph.D.*
Director, Health Resources Statistics
Bureau of Health Statistics, Research and Evaluation
Massachusetts Department of Public Health

4:00 p.m. *Surveillance for Nonfatal Firearm Injuries*
Roberta K. Lee, R.N., Dr.P.H.*
Professor, Community Health and Gerontology
University of Texas School of Nursing

4:15 p.m. *Surveillance of Central Nervous System Injuries*
David Thurman, M.D., M.P.H.*
Medical Epidemiologist, Program Development
and Implementation Branch
National Center for Injury Prevention and Control
Centers for Disease Control and Prevention

Session

Organizer: Lois A. Fingerhut, M.A.

*Speaker of coauthored paper.

CONCURRENT SESSION H
3:30–5:00 p.m.

MEASURING THE HEALTH AND DISABILITY
OF OLDER AMERICANS

What are the appropriate measures to study the concepts of healthy life and of postponed disability for older Americans?

Chairperson: Joan F. Van Nostrand, M.P.A.
Coordinator of Data on Aging
Office of Vital and Health Statistics Systems
National Center for Health Statistics

3:35 p.m. *Health Expectancy: The Canadian Experience*
Russell Wilkins, M.Urb.
Senior Analyst
Canadian Centre for Health Information
Statistics Canada

3:50 p.m. *Compression of Disability? Results from the National LTC Survey*
Larry Corder, Ph.D.*
Associate Research Professor
Center for Demographic Studies
Duke University

4:05 p.m. *Compression of Disability? Results from the Established Population
for Epidemiologic Studies of the Elderly*
Marcel Edward Salive, M.D., M.P.H.*
Epidemiologist, Epidemiology, Demography, and Biometry
Program
National Institute on Aging
National Institutes of Health

4:20 p.m. Discussant:
William Scanlon, Ph.D.
Codirector, Center for Health Policy Studies
Georgetown University

*Speaker of coauthored paper.

Monday, July 19

CONCURRENT SESSION H

3:30–5:00 p.m.

4:30 p.m. Discussant:
Lois M. Verbrugge, Ph.D.
Distinguished Research Scientist
Institute of Gerontology
University of Michigan

4:45 p.m. Discussion

Session

Organizer: Joan F. Van Nostrand, M.P.A.

Monday, July 19

*all participants and guests are invited
to the*

ALL CONFERENCE MIXER

to be held in the

Colonial Room

5:30-7:00 p.m.

Tuesday, July 20

SECOND PLENARY SESSION

9:00-10:00 a.m.

MEASURING HEALTH DISPARITIES

What are the conceptual, technical, and methodological issues related to the availability and usefulness of information on health disparities among socioeconomic, demographic, and geographic groups?

Chairperson: Ronald W. Wilson
Director, Division of Epidemiology and Health Promotion
National Center for Health Statistics

9:00 a.m. *Using Data on Health Disparities in the Formulation of Public Health Policy*
Mohammad N. Akhter, M.D., M.P.H.
Commissioner of Health
D.C. Department of Health and Human Services

9:30 a.m. *Closing Gaps in Health and Health Care: Improved Data for a New Health System*
David Mechanic, Ph.D.
Institute for Health, Health Care Policy, and Aging Research
Rutgers University

Session

Organizer: Ronald W. Wilson

CONCURRENT SESSION I

10:30 a.m.–12:00 p.m.

WHAT'S NEWS IN HEALTH STATISTICS?

A panel of media representatives will provide advice on what makes news, how the media covers vital and health statistics, and how data producers and researchers can work with reporters to improve the understanding and use of data.

Chairperson: Sandra S. Smith, M.P.H.
Public Affairs Officer
Office of Data Processing and Services
National Center for Health Statistics

Panelists: Victor Cohn
Senior Writer and Columnist
Health Section, *The Washington Post* and
Author, *News and Numbers*

Alan L. Otten
Columnist
Wall Street Journal

Rhonda Roland
Senior Producer
Cable Network News

Session

Organizer: Sandra S. Smith, M.P.H.

CONCURRENT SESSION J

10:30 a.m.–12:00 p.m.

RACE-ETHNICITY CLASSIFICATION

Methodological issues related to the classification of race and ethnicity will be discussed.

Chairperson: Roderick Harrison
Chief, Racial Statistics Branch
Population Division
U.S. Bureau of the Census

10:30 a.m. *American Indian Infant Mortality Review in Wisconsin: Problems and Progress*
Raymond D. Nashold, Ph.D.
Director and State Registrar
Wisconsin Center for Health Statistics

10:50 a.m. *Infant Mortality, Birthweight, and Race-Ethnicity: 10 Years of Linked Births and Infant Deaths in New Mexico*
Corazon M. Halasan, Ph.D.*
Epidemiologist, Office of Vital Records and Health Statistics
Public Health Division
New Mexico Department of Health

11:10 a.m. *Racial Disparities in Birth Outcomes: Race, Ethnicity, or Nativity?*
T. Joseph Sheehan, Ph.D.*
Professor, Division of Epidemiology and Biostatistics
Department of Community Medicine
University of Connecticut School of Medicine

11:30 a.m. *Underestimation of Racial Minorities in U.S. Army Records*
Claire C. Gordon, Ph.D.*
Senior Anthropologist and Chief, Behavioral Sciences Division
U.S. Army Aviation and Troop Command
Natick Research, Development, and Engineering Center

11:50 a.m. Discussion

Session

Organizer: Harry M. Rosenberg, Ph.D.

*Speaker of coauthored paper.

CONCURRENT SESSION K

10:30 a.m.–12:00 p.m.

PEOPLE WITH DISABILITIES

The passage of the Americans with Disabilities Act has served to underscore the need for data on the impact of disabilities on all aspects of life.

Chairperson: Andrew Batavia, J.D.

Executive Director

National Council on Disability

10:30 a.m. *Contribution of Developmental Disabilities to Childhood Mortality in the United States: A Multiple Cause-of-Death Analysis*

Coleen A. Boyle, Ph.D.*

Chief, Surveillance and Epidemiology Section

Developmental Disabilities Branch

Division of Birth Defects and Developmental Disabilities

Centers for Disease Control and Prevention

10:45 a.m. *Definitions of Disability and Their Measurement and Operationalization in Survey Data*

Barbara M. Altman, Ph.D.

Research Fellow

Agency for Health Care Policy and Research

11:00 a.m. *Applications of the CHART: Craig Handicap Assessment and Reporting Technique*

Gale G. Whiteneck, Ph.D.

Director of Research

Craig Hospital

11:15 a.m. *Applications of the International Classification of Impairments, Disabilities, and Handicaps: From Concepts to Taxonomy to Data Analysis*

Scott Campbell Brown, Ph.D.

Education Research Specialist

Office of Special Education Program

Division of Innovation and Development

National Institute for Disability and Rehabilitation Research

Department of Education

*Speaker of coauthored paper.

CONCURRENT SESSION K

10:30 a.m.-12:00 p.m.

11:30 a.m. Discussant:
Mary Chamie, Ph.D., M.P.H.
Statistician, Demographic and Social Statistics Branch
Statistical Office
Department of International Economic and Social Affairs
United Nations

Session

Organizer: Marcie Cynamon, M.A.

CONCURRENT SESSION L

10:30 a.m.–12:00 p.m.

HEALTH STATISTICS FROM RECORD SYSTEMS

Analytical, methodological, and conceptual issues pertaining to the use of health statistics derived from record-based data systems will be discussed.

Chairperson: Dorothy S. Harshbarger, M.S.
State Registrar and Director
Alabama Center for Health Statistics
Alabama Department of Public Health

10:30 a.m. *Monitoring Access to Prenatal Care Using Birth Records With Information on Insurance*
Trude Bennett, M.S.W., Dr.P.H.*
Assistant Professor
School of Public Health
University of North Carolina at Chapel Hill

10:50 a.m. *County-Wide Small Area Analyses: Estimation of Denominators for Users of a County Health Care Agency and Their Application in Health Status Measures*
Arthur J. Davidson, M.D., M.S.P.H.*
Director
Data Management
Denver Public Health Department

11:10 a.m. *Measuring Work-Related Health Disparities for Minority Populations*
Carol A. Burnett, M.S.*
Epidemiologist
Surveillance Branch
National Institute for Occupational Safety and Health

11:30 a.m. *Methodological Issues in Improving the Quality of Mortality Statistics*
Jared B. Jobe, Ph.D.*
Psychologist
Office of Research and Methodology
National Center for Health Statistics

Session

Organizer: James A. Weed, Ph.D.

**Speaker of coauthored paper.*

CONCURRENT SESSION M

1:30–3:00 p.m.

NUMERATOR-DENOMINATOR LINKAGE

Issues related to the use of numerator and denominator data, such as vital statistics data, derived from two different sources will be discussed during this session.

Chairperson: Lester R. Curtin, Ph.D.
Chief, Statistical Methods Staff
Office of Research and Methodology
National Center for Health Statistics

1:35 p.m. *The Relationship Between Maternal HIV Seroprevalence and the Hospitalization of HIV Infected Newborns in Their First Year of Life*
Vito M. Logrillo, M.P.H.*
Director, Office of Information Resources Management
AIDS Institute
New York State Department of Health

1:55 p.m. *Surgical Procedure Rates with Numerators from Hospital Data and Denominators from Several Different "At Risk" Populations*
Jane F. Gentleman, Ph.D.*
Chief, Health Status Section
Canadian Centre for Health Information
Statistics Canada

2:15 p.m. *Generalized Linear Models and Simultaneous Surveys*
Wilfred Rosenbaum, M.Math.*
Senior Research Officer
Department of Computing Science
Computational Epidemiology Laboratory
Simon Fraser University

2:35 p.m. *The Benefits of Probabilistically Linked Electronic Patient Records for Highway Safety*
William H. Walsh, Jr.
Director
National Center for Statistics and Analysis
National Highway Traffic Safety Administration

Session

Organizer: Lester R. Curtin, Ph.D.

*Speaker of coauthored paper.

CONCURRENT SESSION N

1:30–3:00 p.m.

INTERNATIONAL COMPARISONS

Understanding methodological and substantive issues related to measuring and describing international health disparities is essential to the appropriate comparison of United States data with that of other countries.

Chairperson: Robert A. Israel

Associate Director for International Statistics
National Center for Health Statistics

1:35 p.m. *Trends in Mortality in East and West Germany During the
3 Decades Before Unification*

Karl E. Bergmann, M.D.*
Head, Division of Public Health and Statistics
Federal Health Office
Germany

1:55 p.m. *Mortality in the United States and France: Evidence from the
WHO Mortality Data Base*

Alvan O. Zarate, Ph.D.*
Special Assistant to the Director
Office of the Center Director
National Center for Health Statistics

2:15 p.m. *The International Rank of the United States in Infant Mortality:
Are We Really 24th?*

Robert B. Hartford, Ph.D.
Deputy Director, Office of International Statistics
National Center for Health Statistics

2:35 p.m. *Health Expectancy of the Elderly in Xichang, China and Canada:
Comparisons Based on Measures of Autonomy in Various
Activities of Daily Living*

Edward Ng, Ph.D.*
Analyst, Occupational and Environmental Health
Research Section
Canadian Centre for Health Information
Statistics Canada

2:50 p.m. Discussion

Session

Organizer: Robert A. Israel

**Speaker of coauthored paper.*

CONCURRENT SESSION O

1:30-3:00 p.m.

ISSUES IN CONFIDENTIALITY

Confidentiality issues and the risk of individual identification of subjects will be explored for data pertaining to demographic and geographic population subgroups.

Chairperson: Mary Moien, M.S.
Assistant to the Director
Office of the Center Director
National Center for Health Statistics

1:35 p.m. *Privacy Policy in an Electronic World*
Joan Turek-Brezina, Ph.D.
Director
Division of Technical and Computer Support
Office of the Assistant Secretary for Planning and Evaluation
Department of Health and Human Services

1:55 p.m. *Toward Compiling Better Health Indicators through Data Linkage*
Brian Gallagher, M.S.*
Program Research Specialist
Perinatal Health Unit
New York State Department of Health

2:15 p.m. *The Unique Record Number (URN): An Alternative to Traditional Person Identifiers*
Andrew Asher, M.P.P.*
Research Analyst
Mathematica Policy Research, Inc.

2:35 p.m. *California's Experience: SSN and Confidentiality*
Ele Meux, Ph.D.
Section Chief
Patient Discharge Data Section
California Office of State-Wide Health Planning and Development

Session

Organizer: Mary Moien, M.S.

**Speaker of coauthored paper.*

CONCURRENT SESSION P

1:30–3:00 p.m.

METHODOLOGICAL ISSUES FOR NATIONAL MINORITY DATA

The limitations to developing detailed estimates of health characteristics for minority populations based on large national surveys will be discussed and possible solutions will be explored.

Chairperson: Signe Wetrogan
Statistician
Population Division
U.S. Bureau of the Census

1:40 p.m. *Design of the National Health Interview Survey, 1995–2004*
James T. Massey, Ph.D.
Chief, Survey Design
Office of Research and Methodology
National Center for Health Statistics

2:00 p.m. *Estimation and Analytic Methods for Minority Statistics Based on Multiple-Source Survey Data*
Lester R. Curtin, Ph.D.*
Chief, Statistical Methods
Office of Research and Methodology
National Center for Health Statistics

2:20 p.m. *Use of the Behavioral Risk Factor Surveillance System to Monitor Risk Factors in Minority Populations*
Emma L. Frazier, Ph.D.*
Chief, Data Management Section
Office of Surveillance and Analysis
Centers for Disease Control and Prevention

2:40 p.m. *Obtaining Data for Asian Pacific Americans from National Surveys*
Larry H. Shinagawa, Ph.D.
Senior Research Associate
Asian American Health Forum
San Francisco

Session

Organizer: Patricia M. Golden, B.A., M.P.H.

**Speaker of coauthored paper.*

CONCURRENT SESSION Q

3:30–5:00 p.m.

SOCIOECONOMIC INDICATORS

Methodological issues involved in studying time trends in socioeconomic differentials in health will be addressed.

Chairperson: Lisa Miller Schalick
Office of Planning and Extramural Programs
National Center for Health Statistics

3:30 p.m. *Measuring Socioeconomic Inequality in Health: An Update on Methodological Issues*
Elsie Pańuk*
Division of Nutrition
Centers for Disease Control and Prevention

4:00 p.m. *Unemployment and Fertility: A Transfer Function Analysis With Additional Interventions*
Andreas Muller, Ph.D.
Associate Professor
Department of Health Services Administration
University of Arkansas at Little Rock

4:30 p.m. *A Comparison of Socioeconomic Status Indicators Across 3 Decades*
Alan B. Humphrey, Ph.D.*
College of Business Administration
University of Rhode Island

Session Organizer: Gregory Pappas, M.D., Ph.D.

**Speaker of coauthored paper.*

CONCURRENT SESSION R

3:30-5:00 p.m.

MINORITY HEALTH RESEARCH

Methodological and substantive issues related to collection and analysis of health data for minority populations will be addressed, drawing on the experience of the new NCHS Minority Health Statistics Grants Program.

Chairperson: David R. Williams, Ph.D.
Associate Research Scientist
Associate Professor of Sociology
Institute for Social Research
University of Michigan

3:35 p.m. *Using National Health Data Systems to Inform Hispanic Women's Health*

Hortensia Amaro, Ph.D.
Associate Professor
Boston University School of Public Health

3:50 p.m. *Cooperative Agreements to Advance the Understanding of the Health of Asian and Pacific Islander Americans*

Dong Suh, M.P.P.
Research Associate
Asian American Health Forum

4:05 p.m. *Social Cognition and Responses to Health Survey Questions Among Minority Populations: Preliminary Evidence*

Timothy P. Johnson, Ph.D.*
Assistant Director
Survey Research Laboratory
University of Illinois at Chicago

4:20 p.m. *Health Status and Access to Care Among Rural Minorities: What Do We Know?*

Keith J. Mueller, Ph.D.*
Director
Nebraska Center for Rural Health Research
University of Nebraska Medical Center

*Speaker of coauthored paper.

Tuesday, July 20

CONCURRENT SESSION R

3:30-5:00 p.m.

- 4:35 p.m.** *Improving Health Statistics Among American Indians by Data Linkages with Tribal Enrollment Registries*
Jonathan R. Sugarman, M.D., M.P.H.*
Medical Epidemiologist
Division of Research, Evaluation, and Epidemiology
Portland Area Indian Health Service
- 4:50 p.m.** Discussants:
Ruth Zambrana, Ph.D.
Consultant
Agency for Health Care Policy and Research
- P. Douglas Williams, M.S.
Chief, State and Academic Research Applications Staff
Office of Planning and Extramural Programs
National Center for Health Statistics
- Session Organizer:** Marjorie S. Greenberg, M.A.

CONCURRENT SESSION S

3:30-5:00 p.m.

INTERCENSAL POPULATION ESTIMATES

Problems and potential solutions related to estimating intercensal populations for minorities and geographic areas to be used as denominators for calculating health characteristic rates will be discussed.

Chairperson: Michael R. Lavoie, M.A.
Chief, Health Statistics and Measurement Center
Georgia Department of Human Resources

3:30 p.m. *Estimating the Population of Rural Communities by Age and Gender: A Case Study of the Local Expert Procedure*
David A. Swanson, Ph.D., M.A., B.Sc.*
Senior Demographic Specialist
Arkansas Institute for Economic Advancement
University of Arkansas at Little Rock

4:00 p.m. *Estimates of the Population of States and Counties by Age, Sex, Race, and Hispanic Origin: 1980 to 1989*
Sam Davis
Statistician
Population Division
U.S. Bureau of the Census

4:30 p.m. *Preparing Population Estimates for the Post-1990 Period: The Combination of Data from Various Sources*
Signe Wetrogan
Statistician
Population Division
U.S. Bureau of the Census

Session

Organizer: Robert L. Heuser

*Speaker of coauthored paper.

CONCURRENT SESSION T

3:30–5:00 p.m.

SPECIAL FOCUS SURVEYS

Methodological issues pertaining to assessing health status disparities for subdomains of the population and at the subnational level will be the focus of this session.

Chairperson: Trena M. Ezzati-Rice, M.S.

Biomedical Mathematical Statistician
Office of Research and Methodology
National Center for Health Statistics

3:30 p.m. *Comparing Two Methods of Surveying Sparse Minority Populations*

Jay S. Buechner, Ph.D.*
Chief, Office of Health Statistics
Rhode Island Department of Health

3:45 p.m. *Reducing Sampling Costs: A Multi-Stage Design Using Replicated*

Quota Sampling to Yield a Sample of Latino and African-
American Households in Los Angeles

Laurie M. Anderson, M.P.H.*
Epidemiologist, Division of Cancer Prevention and Control
National Center for Chronic Disease Prevention and
Health Promotion
Centers for Disease Control and Prevention

4:00 p.m. *Issues of Methodology for Agricultural Health and*
Hazard Surveys

Lorraine L. Cameron, Ph.D.*
Epidemiologist, Division of Surveillance Hazards Evaluation
and Field Studies
National Institute for Occupational Safety and Health

4:15 p.m. *Evaluation of Methods Employed in the Assessment of Health*
Care Needs and Access to Care in Dade County, Florida,
Following Hurricane Andrew

Nancy D. Barker, M.S.*
Mathematical Statistician
Epidemiology Program Office
Centers for Disease Control and Prevention

*Speaker of coauthored paper.

Tuesday, July 20

CONCURRENT SESSION T

3:30-5:00 p.m.

4:30 p.m. *Dual-Frame Surveys of State Populations*

Monroe G. Sirken, Ph.D.*

Associate Director

Office of Research and Methodology

National Center for Health Statistics

4:45 p.m. Discussion

Session

Organizer: Trena M. Ezzati-Rice, M.S.

THIRD PLENARY SESSION

9:00–10:00 a.m.

ASSESSING PREVENTIVE AND PRIMARY HEALTH SERVICES

Many Americans do not have access to effective preventive services and appropriate medical care. How will health care be reformed to meet their needs and what is the role of health statistics in planning and managing for change in health care?

Chairperson: Nicholas Zill, Ph.D.
Vice President
Westat, Inc.

9:00 a.m. Kenneth E. Thorpe, Ph.D.
Deputy Assistant Secretary for Health Policy
Department of Health and Human Services

9:30 a.m. *Access to What and Why? Toward a New Generation of Access Indicators*
Lu Ann Aday, Ph.D.
Professor of Behavioral Sciences
School of Public Health
University of Texas

Session

Organizer: Sandra S. Smith, M.P.H.

CONCURRENT SESSION U

10:30 a.m.–12:00 p.m.

COST-BENEFIT ANALYSES

Cost-effective approaches for specific prevention strategies, interventions, and rehabilitative services in averting subsequent disease and health care expenditures will be described.

Chairperson: Paul J. Placek, Ph.D.

Statistician

Office of Vital and Health Statistics Systems

National Center for Health Statistics

10:30 a.m. *A Model of Cost-Effectiveness and Injury Prevention*

David P. Hamburger, M.D.*

Emergency Trauma Services

Children's National Medical Center

10:45 a.m. *Expansion of Medicaid Eligibility for Family Planning Services:*

A Cost-Benefit Analysis

Douglas R. Murray, M.S.

Director

Center for Health Statistics

Arkansas Center for Health Statistics

11:00 a.m. *The Impact of Dissemination of Smoking Cessation Methods on*

Health Care Costs Among Pregnant Medicaid Recipients

Richard A. Windsor, Ph.D., M.P.H.*

Special Assistant to the Director

National Heart, Lung, and Blood Institute

11:15 a.m. *Oregon Medicaid Plan: Prioritizing Health Services Using Data and*

Values

Barry F. Anderson, Ph.D.

Professor of Psychology

Portland State University

11:30 a.m. *Discussion: Ethical Aspects of Rationing Based on Cost-Benefit*

Analyses

Paul T. Menzel, Ph.D.

Professor, Department of Philosophy

Dean of Humanities

Pacific Lutheran University

Session

Organizer: Paul J. Placek, Ph.D.

*Speaker of coauthored paper.

CONCURRENT SESSION V

10:30 a.m.–12:00 p.m.

COMPARABLE METHODS AND DATA

Mechanisms for developing comparable methods to measure progress toward the year 2000 health objectives at the National, State, and local levels will be discussed.

Chairperson: P. Douglas Williams, M.S.
Chief, State and Academic Research Applications Staff
Office of Planning and Extramural Programs
National Center for Health Statistics

10:30 a.m. *Monitoring and Prioritization of the Consensus Set of Health Status Indicators by State Health Departments in the United States*
Sharon L. Zucconi, Ph.D.*
Assistant Professor and Policy Analyst
School of Public Health
University of Pittsburgh

10:50 a.m. *A Nonlinear Regression Model for the Projection of Expected Values for Selected Health Status Indicators in the Year 2000*
Chun-Lo Meng, Ph.D.*
Director, Statistical Analysis Unit
Health Statistics Section
Colorado Department of Health

11:10 a.m. *Computerized Data Base for Strengthening Capacity for Local Area Needs Assessment, Surveillance, and Monitoring of Year 2000 Objectives: The Illinois Experience*
Merwyn R. Nelson, Ph.D.*
Chief, Center for Health Statistics
Illinois Department of Public Health

11:30 a.m. *Development of a Standardized Telephone Survey Questionnaire and Methodology for Local Public Health Departments*
Bruce M. Brock, Ph.D.*
President
Information Transfer Systems, Inc.
Ann Arbor

Session

Organizer: Mary Anne Freedman, M.A.

*Speaker of coauthored paper.

CONCURRENT SESSION W

10:30 a.m.–12:00 p.m.

MEDICAL EFFECTIVENESS OUTCOMES RESEARCH

Innovations in patient outcomes research will be discussed.

Chairperson: J. Michael Fitzmaurice, Ph.D.

Director

Office of Science and Data Development

Agency for Health Care Policy and Research

10:30 a.m. *Integrating Values into Clinical Care*

David B. Pryor, M.D.

Associate Professor of Medicine

Duke University Medical Center

10:50 a.m. *Outcomes Research for Effectiveness and Quality: The Major Issues*

Sheldon Greenfield, M.D.

Senior Scientist for the Health Institute

Professor of Medicine and Chief, Division of Health Services
Research

Department of Medicine

Tufts University

11:10 a.m. *Effectiveness of the New Jersey State-Wide Healthstart Initiative on Prenatal Care and Pregnancy Outcome in New Jersey, 1988 to 1992*

Maryanne J. Florio, M.Ed.*

Research Scientist I

Maternal and Child Health Epidemiology and Program Planning
New Jersey State Department of Health

11:30 a.m. Discussion

Session

Organizer: J. Michael Fitzmaurice, Ph.D.

**Speaker of coauthored paper.*

CONCURRENT SESSION X

10:30 a.m.–12:00 p.m.

HEALTH DATA FOR PROGRAM MANAGEMENT

An array of data are needed to plan, manage, direct, evaluate, and reform health care in the United States. This session will explore the development and use of data for health program management.

Chairperson: Edward L. Hunter
Chief, Planning, Budget, and Legislation Staff
Office of Planning and Extramural Programs
National Center for Health Statistics

10:30 a.m. *Public Law 99-457 Child Find and Tracking System*
Joyce M. Eatmon, M.P.A.
Medical Economist
Center for Health Statistics
Arkansas Center for Health Statistics

10:50 a.m. *The Competitive Initiatives Program—A New Jersey Response to the Escalating Costs of Health Care*
Marcia M. Sass, Sc.D.*
Assistant Director, Health Initiatives Evaluation
Division of Health Care Planning, Financing, and Information Services
New Jersey State Department of Health

11:10 a.m. *Development of a Data System for the Management of a Comprehensive Cancer Screening Program*
Patricia M. Jamison, M.P.H.*
Computer Specialist
Division of Cancer Prevention and Control
Centers for Disease Control and Prevention

11:30 a.m. *Using Medicare's End Stage Renal Disease Program Management and Medical Information System for Program Monitoring and Policy Development*
Joel W. Greer, Ph.D.
Economist, Office of Research and Demonstrations
Health Care Financing Administration

11:50 a.m. Discussion

Session

Organizer: Elizabeth A. Lowe

**Speaker of coauthored paper.*

CONCURRENT SESSION Y

1:30-3:00 p.m.

DATA SUPPORT FOR MEDICAL CARE POLICY

Presentations will cover how data are used to set priorities, manage allocation of resources and, in effect, ration medical care.

Chairperson: Elliot Stone, M.V.C.
Executive Director
Massachusetts Health Data Consortium

1:40 p.m. *Data Sources Used in Prioritizing Health Services Under the Oregon Health Plan*
Darren D. Coffman, B.S., M.S.*
Research Manager
Oregon Health Services Commission

2:05 p.m. *Using HCFA's National Claims History Files for Quality of Care Analysis and Policy Development: The DEMPAQ Project*
Stephen T. Parente, M.P.H., M.S.*
Project Coordinator
Johns Hopkins Health Services Research and
Development Center
Johns Hopkins School of Public Health

2:30 p.m. *Assessment of Outcomes for CABG Surgery in New York State*
Harold Kilburn, M.A.*
Program Research Specialist
Department of Health Policy and Management
State University of New York, Albany

Session

Organizer: W. Edward Bacon, Ph.D.

*Speaker of coauthored paper.

CONCURRENT SESSION Z

1:30–3:00 p.m.

PREVENTION EFFECTIVENESS

Public health requires effective and cost-effective prevention strategies. This session will present research and methods for assessing the efficacy, effectiveness, and cost-effectiveness of prevention strategies on reducing adverse health outcomes.

Chairperson: Anne Haddix, Ph.D.
Economist
Atlanta, Georgia

1:40 p.m. *Cost Effectiveness of Worksite Cholesterol Screening*
Robin D. Gorsky, Ph.D.*
Associate Professor
Department of Health Management and Policy
University of New Hampshire

2:00 p.m. *An Economic Evaluation of Preventing or Delaying the Onset of the Complications of Diabetes*
Erik Dasbach, Ph.D.
Health Services Researcher, Division of Diabetes Translation
National Center for Chronic Disease Prevention
Centers for Disease Control and Prevention

2:20 p.m. *Economic Impact of Food-Borne Illness*
Tanya Roberts, Ph.D.
Senior Economist
Economic Research Service
Department of Agriculture

2:40 p.m. Discussion

Session

Organizer: Steven M. Teutsch, M.D., M.P.H.

**Speaker of coauthored paper.*

CONCURRENT SESSION AA

1:30-3:00 p.m.

BARRIERS TO CARE

Presentations will focus on the use of improved indicators for identifying and measuring barriers to appropriate and timely medical care.

Chairperson: Michael L. Millman, Ph.D.
Senior Staff Fellow
Office of Planning, Evaluation, and Legislation
Health Resources and Services Administration

1:30 p.m. *Using Hospital Records to Evaluate the Performance of the Outpatient Delivery System*
John Billings
Principal Investigator
Ambulatory Care Access Project
United Hospital Fund

1:50 p.m. *Sociocultural Barriers to Appropriate Care*
Sarita L. Karon, Ph.D.*
Assistant Scientist
Center for Health Systems Research and Analysis
University of Wisconsin-Madison

2:10 p.m. *Evaluation of Barriers to Prenatal Care: A Model Project*
Mary E. Losch, Ph.D.*
Program Director
Social Science Institute
University of Iowa

2:30 p.m. Discussant:
P. Ellen Parsons, Ph.D.
Statistician
Division of Health Interview Statistics
National Center for Health Statistics

Session

Organizer: Trish Royston

**Speaker of coauthored paper.*

CONCURRENT SESSION BB

1:30-3:00 p.m.

**CDC'S RECOMMENDATIONS ON PUBLIC HEALTH
SURVEILLANCE SYSTEMS**

CDC faces challenges in surveillance due to changing missions and the opportunity presented by health reform. Current responses include the development of CDC's information network for public health officials, a plan for the future of microcomputers in epidemiology, and a new plan for national public health surveillance.

Chairperson: Mary Anne Freedman, M.A.
Special Assistant to the Director
Healthy People 2000 Staff
National Center for Health Statistics

1:30 p.m. *National Public Health Surveillance: Where Do We Go From Here?*

Elaine D. Eaker, Sc.D.
Assistant Director for Science
Division of Surveillance and Epidemiology
Epidemiology Program Office
Centers for Disease Control and Prevention

2:00 p.m. *The Future of Microcomputers in Epidemiology*

Andrew G. Dean, M.D., M.P.H.
Chief, Systems Development Branch
Division of Surveillance and Epidemiology
Epidemiology Program Office
Centers for Disease Control and Prevention

2:30 p.m. *CDC Information Network for Public Health Officials*

David A. Ross, Sc.D.
Assistant Director for Information and
Communication Services
Public Health Practice Program Office
Centers for Disease Control and Prevention

Session

Organizer: Donna F. Stroup, Ph.D.

PROGRAM SESSION ORGANIZERS

Jack R. Anderson** (Opening Ceremony)
Acting Deputy Director
Office of the Center Director

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Chief, Natality, Marriage, and Divorce Statistics Branch
Division of Vital Statistics

Peter L. Hurley** (First Plenary)
Associate Director, Office of Vital and Health Statistics Systems

Robert A. Israel** (N)
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Statistician, Office of Vital and Health
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Harry M. Rosenberg, Ph.D.** (J)
Chief, Mortality Statistics Branch
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Public Affairs Officer
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Coordinator of Data on Aging
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Systems

James A. Weed, Ph.D.** (L)
Deputy Director
Division of Vital Statistics

Ronald W. Wilson** (Second Plenary)
Director, Division of Epidemiology and
Health Promotion

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() Indicates session.

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