

Federal Committee on Statistical Methodology Research Conference

Final Program

November 17-19, 2003

Sheraton Crystal City Hotel
1800 Jefferson Davis Highway
Arlington, Virginia 22202

Sponsored by:

Agency for Healthcare Research and Quality
Bureau of Labor Statistics
Bureau of Transportation Statistics
Energy Information Administration
Environmental Protection Agency
National Agricultural Statistics Service
National Center for Education Statistics
National Center for Health Statistics
Office of Research, Evaluation and Statistics, Social Security Administration
Social Statistics Section of the American Statistical Association
Statistics of Income Division/Internal Revenue Service
U.S. Census Bureau

Hosted by:

Council of Professional Associations on Federal Statistics

FC Federal
Committee
SM on
Statistical
Methodology

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FC Federal
Committee
SM on
Statistical
Methodology

Conference Management Committee

Cynthia Z.F. Clark, U.S. Census Bureau

Nancy Kirkendall, Energy Information Administration

FCSM Research Conference Planning Committee

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Philip Smith, Centers for Disease Control and Prevention

Edward Spar, Council of Professional Associations on

Federal Statistics

P. Douglas Williams, National Center for Health Statistics

Gordon Willis, National Cancer Institute

Lap-Ming Wun, Agency for Healthcare Research and Quality

The Federal Committee on Statistical Methodology Members

(July 2003)

Brian Harris-Kojetin, Chair, Office of Management
and Budget

Wendy Alvey, U.S. Census Bureau

Jacob Bournazian, Energy Information Administration

Lynda Carlson, National Science Foundation

Cynthia Z. F. Clark, U.S. Census Bureau

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Marilyn McMillen Seastrom, National Center for Education
Statistics

Monroe Sirken, National Center for Health Statistics

Nancy Spruill, Department of Defense

Clyde Tucker, Bureau of Labor Statistics

Alan Tupek, U.S. Census Bureau

Katherine Wallman, Office of Management and Budget

G. David Williamson, Agency for Toxic Substances and
Disease Registry

Consultant

Robert Groves, Joint Program in Survey Methodology

2003 FCSM Research Conference

The 2003 Federal Committee on Statistical Methodology (FCSM) Research Conference was initiated by the FCSM. The FCSM is an interagency committee dedicated to improving the quality of federal statistics. The committee's major goals are to:

- communicate and disseminate information on statistical practice among all federal statistical agencies,
- recommend the introduction of new methodologies in federal statistical programs to improve data quality,
- provide a mechanism for statisticians in different federal agencies to meet and exchange ideas.

The 2003 FCSM Research Conference provides a forum for experts from around the world to discuss and exchange current research and methodological topics relevant to federal government statistical programs. Each day of the conference will offer papers on a wide range of topics including the use of advanced technologies for survey design and data collection, processing and dissemination, data mining, data warehousing and metadata, treatment of missing data, improving coverage and response rates, confidentiality and disclosure issues, record linkage, sample design and estimation, cognitive research and usability testing, and data quality.

Technical demonstrations on a variety of applications will run concurrently on the second day of the conference. Applications include systems for data warehousing, data analysis, clerical review, and data dissemination.

Sessions feature papers and demonstrations by government, private sector, and academic researchers from six countries. All paper sessions will include an open discussion, and some sessions will include a formal discussion. Papers will be made available at the conference and posted to the FCSM Web site (www.fcsm.gov) following the conference. Papers also may be purchased on a CD-ROM in January 2004.

In the opening plenary session, Dr. Colm O'Muircheartaigh, Irving B. Harris Graduate School of Public Policy Studies, University of Chicago, will discuss alternatives to the traditional area probability sampling structure for national and local probability samples.

Final Program

Federal Committee on Statistical Methodology Research Conference

November 17-19, 2003
PROGRAM SCHEDULE

Monday (11/17)	Tuesday (11/18)	Wednesday (11/19)
7:30 a.m. Registration (Ballroom Foyer)	7:30 a.m. Registration (Ballroom Foyer)	7:30 a.m. Registration (Ballroom Foyer)
Coffee (Lobby Atrium)	Coffee (Lobby Atrium)	Coffee (Lobby Atrium)
	9:00 a.m. - 12:30 p.m. Technical Demonstration (Crystal VI)	9:00 a.m. - 10:30 p.m. CONCURRENT SESSION VIII-A: VIII-B: VIII-C: (Ballroom A) (Ballroom B) (Ballroom C)
9:00 - 10:00 a.m. Welcoming Remarks and PLENARY SESSION I (Grand Ballroom A-C)	9:00 - 10:30 a.m. CONCURRENT SESSION V-A: V-B: V-C: (Ballroom A) (Ballroom B) (Ballroom C)	10:30 - 11:00 a.m. Break (Lobby Atrium)
10:00 - 10:30 a.m. Break (Lobby Atrium)	10:30 - 11:00 a.m. Break (Lobby Atrium)	11:00 a.m. - 12:30 p.m. CONCURRENT SESSION IX-A: IX-B: (Ballroom A) (Ballroom B)
10:30 a.m. - 12:00 p.m. CONCURRENT SESSION II-A: II-B: II-C: (Ballroom A) (Ballroom B) (Ballroom C)	11:00 a.m. - 12:30 p.m. CONCURRENT SESSION VI-A: VI-B: VI-C: (Ballroom A) (Ballroom B) (Ballroom C)	
12:00 - 1:15 p.m. Open Lunch	12:30 - 1:45 p.m. Open Lunch	
1:30 - 3:00 p.m. CONCURRENT SESSION III-A: III-B: III-C: (Ballroom A) (Ballroom B) (Ballroom C)	2:00 - 3:30 p.m. CONCURRENT SESSION VII-A: VII-B: VII-C: (Ballroom A) (Ballroom B) (Ballroom C)	Meeting Rooms: Grand Ballroom A-C (2nd Floor) Crystal VI (2nd Floor) Grand Ballroom Foyer (2nd Floor) Lobby Atrium (2nd Floor)
3:00 - 3:30 p.m. Break (Lobby Atrium)		
3:30 - 5:00 p.m. CONCURRENT SESSION IV-A: IV-B: IV-C: (Ballroom A) (Ballroom B) (Ballroom C)		
5:00 - 7:30 p.m. Mixer (Cash Bar) (Lobby Atrium)		

Final Program¹

Monday, November 17

7:30 a.m. -
5:00 p.m. *Registration* **Grand Ballroom Foyer**

7:30 -
9:00 a.m. *Coffee* **Lobby Atrium**

9:00 -
9:10 a.m. *Introduction and
Welcoming Remarks* Katherine Wallman (Office of Management and Budget) **Grand Ballroom**

9:10 -
10:00 a.m. **PLENARY SESSION I:**

There and Back Again - Demographic Survey Sampling for the 21st Century

Colm O'Muircheartaigh (Irving B. Harris Graduate School of Public
Policy Studies, University of Chicago)

10:00 -
10:30 a.m. *Break* **Lobby Atrium**

10:30 a.m. -
12:00 p.m. **CONCURRENT SESSION II-A:**
DISCLOSURE (Session 1) **Ballroom A**

Chair: Nancy Kirkendall (Energy Information Administration, USA)

**Research into the Possibility of Releasing Hierarchical Public Use Microdata
Files for the Canadian Census of Population**

Rossana Manriquez (Statistics Canada)
Jean-René Boudreau (Statistics Canada)

**Procedures to Reduce the Risk of Respondent Disclosure in a Public-Use
Data File: The National Immunization Survey**

Meena Khare (National Center for Health Statistics, USA)
Michael Battaglia (Abt Associates Inc., USA)
David Hoaglin (Abt Associates Inc., USA)

Applying Disclosure Control to Temporal Data

Anna Manning (University of Manchester, United Kingdom)
Mark Elliot (University of Manchester, United Kingdom)

Discussant: Al Zarate (National Center for Health Statistics, USA)

Session Organizer: Edward Spar (Council of Professional Associations
on Federal Statistics, USA)

¹In the case of coauthors, the presenter is underscored.

CONCURRENT SESSION II-B:**MODELING 1 - SIMULATION****Ballroom B**

Chair: Myron Katzoff (National Center for Health Statistics, USA)

Bayesian Analysis of Nonignorable Missing Categorical Data: An Application to Bone Mineral Density and Family Income

Balgobin Nandram (Worcester Polytechnic Institute, USA)
 Jai Won Choi (National Center for Health Statistics, USA)
 Lawrence Cox (National Center for Health Statistics, USA)

Imitating the Salamander: Reproduction of the Truncated Right Tail of an Income Distribution

John Angle (Economic Research Service, USA)

A Computational Routine for Disaggregating Industry Margin Data to Estimate Product Margin Rates

Matthew Atkinson (Bureau of Economic Analysis, USA)

Comparison of Model Based Methods for County Level Estimation of Crop Yields

Michael Bellow (National Agricultural Statistics Service, USA)

Session Organizer: Douglas Williams (National Center for Health Statistics, USA)

CONCURRENT SESSION II-C:**EVALUATING THE QUALITY AND VALIDITY OF COGNITIVE INTERVIEWING****Ballroom C**

Chair: Terry Richardson (U.S. General Accounting Office)

Inside the Black Box: Analysis of Interviewer-Respondent Interactions in Cognitive Interviews

Nadra Garas (American University, USA)
 Johnny Blair (Abt Associates Inc., USA)
 Frederick Conrad (University of Michigan, USA)

Comparing Pretesting Methods: Cognitive Interviewing, Respondent Debriefing, and Behavior Coding

Kristen Ann Hughes (U.S. Census Bureau)

A Framework Relating Questionnaire Design and Evaluation Processes to Sources of Measurement Error

James Esposito (Bureau of Labor Statistics, USA)

Discussant: Gordon Willis (National Cancer Institute, USA)

Session Organizer: Gordon Willis (National Cancer Institute, USA)

**12:00 -
1:15 p.m.**

Open Lunch

1:30 -
3:00 p.m.

**CONCURRENT SESSION III-A:
DISCLOSURE (Session 2)**

Ballroom A

Chair: Jennifer Madans (National Center for Health Statistics, USA)

**A Case Study of the Impact of Statistical Disclosure Control on Data Quality
in the UK Samples of Anonymised Records (SARs)**

Anna Manning (University of Manchester, United Kingdom)
Mark Elliot (University of Manchester, United Kingdom)
Kingsley Purdam (University of Manchester, United Kingdom)

**Waivers in Business Surveys: A Systematic Approach to Increase the
Amount of Publishable Information**

Jean-Sébastien Provençal (Statistics Canada)
Hélène Bérard (Statistics Canada)

**Releasing Partially Synthetic, Public Use Microdata to Protect Confidentiality:
An Investigation of Data Generation by CART**

Jerome Reiter (Duke University, USA)

Discussant: Pat Doyle (U.S. Census Bureau)

Session Organizer: Brian Greenberg (Social Security Administration, USA)

**CONCURRENT SESSION III-B:
EVALUATION OF HEALTH AND DRUG USE ISSUES**

Ballroom B

Chair: Van Parsons (National Center for Health Statistics, USA)

Measuring Reduction in Disparity Among Several Rates

Jeffrey Percy (National Center for Health Statistics, USA)
Kenneth Keppel (National Center for Health Statistics, USA)

**Methods for Capture-Recapture Estimates of the Number of Pertussis Cases
in New York State When Individuals Are Not Uniquely Identifiable**

Philip Smith (Centers for Disease Control and Prevention, USA)
Andrew Baughman (Centers for Disease Control and Prevention, USA)
Kristine Bisgard (Centers for Disease Control and Prevention, USA)
Betsy Cadwell (Centers for Disease Control and Prevention, USA)

**Innovative Design and Analysis Strategies in the Evaluation of The National
Youth Anti-Drug Media Campaign: Propensity Scores and Counterfactual
Projection Weights in a National Probability Survey**

Robert Orwin (Westat, USA)
Bob Baskin (Westat, USA)
David Judkins (Westat, USA)
Sanjeev Sridharan (Westat, USA)
Paul Zador (Westat, USA)
Robert Hornik (University of Pennsylvania, USA)

Up-and-Down Designs Stationary Treatment Distributions

Nawar Al-Shara (American University, USA)

Session Organizer: Philip Smith (Centers for Disease Control and Prevention, USA)

**CONCURRENT SESSION III-C:
SMALL AREA ESTIMATION**

Ballroom C

Chair: William Bell (U.S. Census Bureau)

**Methods Used for Small Domain Estimation of Census Net Undercoverage
in the 2001 Canadian Census**

Peter Dick (Statistics Canada)

Yong You (Statistics Canada)

**Evaluation of the Practical Utility of Small Domain Estimators for the
U.S. Current Employment Statistics Program**

John Eltinge (Bureau of Labor Statistics, USA)

Moon Jung Cho (Bureau of Labor Statistics, USA)

Assessing Fit of SAIPE Models to Census and CPS County Child-Poverty Rates

Eric Slud (U.S. Census Bureau and University of
Maryland, USA)

On Small Area Estimation Under Informative Sampling

Michael Sverchkov (Bureau of Labor Statistics, USA)

Danny Pfefferman (Hebrew University, Israel, and University
of Southampton United Kingdom)

Session Organizer: Philip Gbur (U.S. Census Bureau)

**3:00 -
3:30 p.m.**

Break

Lobby Atrium

**3:30 -
5:00 p.m.**

**CONCURRENT SESSION IV-A:
METHODS OF RECORD LINKAGE**

Ballroom A

Chair: Ramona Rantala (Bureau of Justice Statistics, USA)

An Infrastructure for Supporting Spatial Data Integration

Les Miller (Iowa State, USA)

Sarah Nusser (Iowa State, USA)

Record Linkage in An Integrated Census

Theodor Yitzkov (Central Bureau of Statistics, Israel)

Harry Azaria (Central Bureau of Statistics, Israel)

Removing Duplication from the 2002 Census of Agriculture

Kara Daniel (National Agricultural Statistics Service, USA)

Thomas Pordugal (National Agricultural Statistics Service, USA)

Discussant: William Winkler (U.S. Census Bureau)

Session Organizer: Ramona Rantala (Bureau of Justice Statistics, USA)

**CONCURRENT SESSION IV-B:
MODELING 2 - REGRESSION APPLICATIONS**

Ballroom B

Chair: Chao Chen (U.S. Environmental Protection Agency)

Steps Toward Modeling the Distribution of Automobile Retirements

Brian Sliker (U.S. Bureau of Economic Analysis)

Defined Benefit Plan Replacement Rates: Using a Synthetic Pension Data Set Created by Statistically Matching Employee Benefit Survey Data to Survey of Income Program and Participation Data

James Moore (Social Security Administration, USA)

Estimating the Lives Saved by Seat Belts and Air Bags

Donna Glassbrenner (National Highway Traffic Safety Administration, USA)

A Method of Estimating Rollover Propensity for Passenger Vehicles

Rajesh Subramanian (National Highway Traffic Safety Administration, USA)
Ellen Hertz (National Highway Traffic Safety Administration, USA)

Session Organizer: Chao Chen (Environmental Protection Agency, USA)

**CONCURRENT SESSION IV-C:
SURVEY DESIGN**

Ballroom C

Chair: Jeri Mulrow (National Science Foundation, USA)

DATELINE: Design and Application of a Travel Survey for Long-Distance Trips Based on an International Network of Expertise

Erhard Erl (Socialdata, Germany)
Werner Broeg (Socialdata, Germany)
Brian Schulze (Socialdata, Germany)

Re-designing the UK's Annual Structural Earnings Survey

Mark Pont (Office for National Statistics, United Kingdom)

The Use of Permanent Random Numbers in a Multi-Product Petroleum Sales Survey: Twenty Years of a Developing Design

Pedro Saavedra (ORC Macro, USA)
Paula Weir (Energy Information Administration, USA)

Discussant: Joe Sedransk (Case Western Reserve University and Energy Information Administration)

Session Organizer: Jeri Mulrow (National Science Foundation, USA)

**5:00 -
7:30 p.m.**

Mixer (Cash Bar)

Lobby Atrium

Tuesday, November 18

7:30 a.m. -
3:30 p.m. *Registration* Lobby Atrium

7:30 -
9:00 a.m. *Coffee* Lobby Atrium

9:00 a.m. -
12:30 p.m. *TECHNICAL DEMONSTRATIONS* Crystal VI

**Making Sense of Census Data via the World Wide Web: A Case Study
Using the 1997 Census of Agriculture**

Irwin Anolik (National Agricultural Statistics Service, USA)

The NASS Question Repository System

Dan Beckler (National Agricultural Statistics Service, USA)

**Bayesian Record Linkage and Linkage Imputation Using CODES2000 and
LINKSOLV Software**

Michael McGlincy (Strategic Matching, Inc., USA)

Design and Evaluation of Aquatic Ecosystems via Discrete Event Simulation

Jorge Romeu (Syracuse University, USA)

ACS Automated Cell Suppression System

Gordon Sande (Sande and Associates, Inc., Nova Scotia)

Developing an Analysis System for Agricultural Surveys and Censuses

Arnie Wilcox (National Agricultural Statistics Service, USA)

Unnumbered Questionnaire Development Database

Paul Beatty (National Center for Health Statistics, USA)

Kristen Miller (National Center for Health Statistics, USA)

Beth Canfield (National Center for Health Statistics, USA)

Key From Image System Used in the 2002 Economic Census

Bernard Fitzpatrick (U.S. Census Bureau)

Paul Friday (U.S. Census Bureau)

*Technical
Demonstration
Organizer:*

Bill Mockovak (Bureau of Labor Statistics, USA)

9:00 -
10:30 a.m.

**CONCURRENT SESSION V-A:
LINGUISTIC AND CULTURAL ISSUES IN SURVEY
AND QUESTIONNAIRE DESIGN**

Ballroom A

Chair: Gordon Willis (National Cancer Institute, USA)

The Role of Sociolinguistics in Federal Survey Development

Yuling Pan (U.S. Census Bureau)

**The American Community Survey (ACS) en Español: Using Cognitive Interviews
to Test the Functional Equivalence of Questionnaire Translations**

Lorena Carrasco (U.S. Census Bureau)

**Guideline Implementation: Translating a New Canadian/U.S. Health
Survey into Spanish**

Deborah Rose (National Center for Health Statistics, USA)

Manuel de la Puente (U.S. Census Bureau)

Discussant: Kristen Miller (National Center for Health Statistics, USA)

Session Organizer: Gordon Willis (National Cancer Institute, USA)

**CONCURRENT SESSION V-B:
EVALUATION OF CENSUS FRAME DEFICIENCIES**

Ballroom B

Chair: Dale Atkinson (National Agricultural Statistics Service, USA)

Census Duplication and Ambiguities of Census Residence

Elizabeth Martin (U.S. Census Bureau)

Robert Fay (U.S. Census Bureau)

Elizabeth Krejsa (U.S. Census Bureau)

Census and Administrative Records Duplication Study

Susanne Bean (U.S. Census Bureau)

Mary Mulry (U.S. Census Bureau)

Mark Bauder (U.S. Census Bureau)

Tom Mule (U.S. Census Bureau)

Rita Petroni (U.S. Census Bureau)

Deborah Wagner (U.S. Census Bureau)

**A Bayesian Approach to 2000 Census Evaluation Using A.C.E. Survey Data and
Demographic Analysis**

Michael Elliott (University of Pennsylvania, USA)

Roderick Little (University of Michigan, USA)

Developing a Coverage Adjustment Strategy for the 2002 Census of Agriculture

Matthew Fetter (National Agricultural Statistics Service, USA)

Phillip Kott (National Agricultural Statistics Service, USA)

Session Organizer: Dale Atkinson (National Agricultural Statistics Service, USA)

**CONCURRENT SESSION V-C:
MEASURING SURVEY QUALITY**

Ballroom C

Chair: Lynn Weidman (U.S. Census Bureau)

Nonresponse Bias in the National Health Interview Survey

Karen Davis (National Center for Health Statistics, USA)
Pei-Lu Chiu (National Center for Health Statistics, USA)
John Dixon (Bureau of Labor Statistics, USA)

An Evaluation of Nonresponse to the National Health Interview Survey

Wilbur Hadden (National Center for Health Statistics, USA)
P. Douglas Williams (National Center for Health Statistics, USA)

Partials and Breakoffs in the National Health Interview Survey, 2002

Barbara Stussman (National Center for Health Statistics, USA)
Howard Riddick (National Center for Health Statistics, USA)
Beth Taylor (National Center for Health Statistics, USA)

Discussant: Philip Smith (Centers for Disease Control and Prevention, USA)

Session Organizer: Philip Smith (Centers for Disease Control and Prevention, USA)

**10:30 -
11:00 a.m.**

*Break***Lobby Atrium**

**11:00 a.m. -
12:30 p.m.**

**CONCURRENT SESSION VI-A:
WEB-BASED DATA COLLECTION: DEVELOPMENT AND USABILITY ISSUES**

Ballroom A

Chair: Bill Mockovak (Bureau of Labor Statistics, USA)

**Determinants of Web Reporting: A Qualitative Study of the Response Process,
Response Burden and Mode Selection**

Amy Anderson (U.S. Census Bureau)
Tony Hak (Erasmus University, The Netherlands)
Diane Willimack (U.S. Census Bureau)

Design Issues in Web-Based Electronic Business Surveys

Elizabeth Nichols (U.S. Census Bureau)
Elizabeth Murphy (U.S. Census Bureau)
Cyntica Eaton (University of Maryland, USA)
Kent Norman (University of Maryland, USA)
Anna Rivadeneira (University of Maryland, USA)

Usability Issues Associated with Converting Establishment Surveys to Web-Based Data Collection

Jean Fox (Bureau of Labor Statistics, USA)
Sylvia Fisher (Bureau of Labor Statistics, USA)
Bill Mockovak (Bureau of Labor Statistics, USA)
Christine Rho (Bureau of Labor Statistics, USA)

Conceptual and Practical Issues in the Statistical Design and Analysis of Usability Tests

John Bosley (Bureau of Labor Statistics, USA)
John Eltinge (Bureau of Labor Statistics, USA)
Jean Fox (Bureau of Labor Statistics, USA)
Scott Fricker (Bureau of Labor Statistics, USA)

Session Organizer: Bill Mockovak (Bureau of Labor Statistics, USA)

**CONCURRENT SESSION VI-B:
ADMINISTRATIVE RECORDS I**
Ballroom B

Chair: John Czajka (Mathematica Policy Research, Inc., USA)

Wholistic Approach to Multifaceted Integrated Census

Olivia Blum (Central Bureau of Statistics, Israel)

Statistical Use of Administrative Records: A Real Time Evaluation of Labour Demand

Manlio Calzaroni (Institute of National Statistics (ISTAT), Italy)

Roberta Rizzi (Institute of National Statistics (ISTAT), Italy)

Use of Tax Data for Replacing Business Survey Data - The Data Quality Issue

Sanping Chen (Statistics Canada)

Paul Cascagnette (Statistics Canada)

Sean Crowe (Statistics Canada)

An Assessment of the Current Population Survey and the Survey of Income and Program Participation Using Social Security Administrative Data

Melissa Koenig (Social Security Administration, USA)

Session Organizer: Edward Spar (Council of Professional Associations on Federal Statistics, USA)

**CONCURRENT SESSION VI-C:
LONGITUDINAL DATA ANALYSIS**
Ballroom C

Chair: Steven Cohen (Agency for Healthcare Research and Quality, USA)

Linearization Variance Estimators for Panel Survey Data

Abdellatif Demnati (Statistics Canada)

J.N.K. Rao (Carleton University, Canada)

Pre-adjustment in X-12-ARIMA

Luisa Burck (Central Bureau of Statistics, Israel)

Effects of Transformation Choices on Seasonal Adjustment Diagnostics and Forecast Errors

Golam Farooque (U.S. Census Bureau)

Time Series Decomposition and Measurement of Business Cycles, Trends, and Growth Cycles

Victor Zarnowitz (The Conference Board, USA)

Ataman Ozyildirim (The Conference Board, USA)

Session Organizer: Lap-Ming Wun (Agency for Healthcare Research and Quality, USA)

**12:30 -
1:45 p.m.**

Open Lunch

2:00 -
3:30 p.m.

**CONCURRENT SESSION VII-A:
MEASURING AND REPORTING SURVEY QUALITY MEASURES**

Ballroom A

Chair: Jennifer Guarino (Research Triangle Institute International, USA)

Quality at the Item Level: Terms, Methods, and Guidelines for Cross-Survey Comparisons, A Summary

<u>Pat Doyle</u>	(U.S. Census Bureau)
Judith Eargle	(U.S. Census Bureau)
Deborah Griffin	(U.S. Census Bureau)
Pamela McGovern	(U.S. Census Bureau)
John Dixon	(Bureau of Labor Statistics, USA)

Measuring Response Errors in Censuses and Surveys Through Reinterview Data Having a Different Measurement Error Variance

<u>Alessandro Pallara</u>	(Italian National Statistical Institute (ISTAT), Italy)
Piero Demetrio Falorsi	(Italian National Statistical Institute (ISTAT), Italy)
Aldo Russo	(University of Rome, Italy)

Standards and Guidelines for Reporting on Coverage

Martin Provost	(Statistics Canada)
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Discussant: Gary Shapiro (Westat, USA)

Session Organizer: Philip Gbur (U.S. Census Bureau)

**CONCURRENT SESSION VII-B:
ADMINISTRATIVE RECORDS II**

Ballroom B

Chair: Fritz Scheuren (National Opinion Research Center, USA)

The Use of Administrative Data to Compute Measure of Size for New Employer Births

<u>Lora Gillott</u>	(U.S. Census Bureau)
James Burton	(U.S. Census Bureau)
Carol King	(U.S. Census Bureau)

Exploring Social Security Payment History Matched with the Survey of Income and Program Participation

<u>James Sears</u>	(Social Security Administration, USA)
Kalman Rupp	(Social Security Administration, USA)

Use of Medicaid and Medicare Administrative Claims Data in Litigation and Regulation

<u>Timothy Wyant</u>	(Decipher, Inc., USA)
Stephen Parente	(University of Minnesota, USA)

Discussant: Tom Petska (Internal Revenue Service, USA)

Session Organizer: Jeri Mulrow (National Science Foundation, USA)

**CONCURRENT SESSION VII-C:
ECONOMIC INDICATORS****Ballroom C**

Chair: Michael Cohen (Bureau of Transportation Statistics, USA)

A More Timely and Useful Index of Leading Indicators

Robert McGuckin (The Conference Board, USA)
Ataman Ozyildirim (The Conference Board, USA)
Victor Zarnowitz (The Conference Board, USA)

Output and Productivity Measurement for Non-market Activity: The Case of Italian Revenue Agency

Stefano Pisani (Italian Revenue Agency, Italy)
Marco Cutaia (Italian Revenue Agency, Italy)

Estimated Monthly Signal-Plus-Noise “True” PPI Process

Peter Zadrozny (Bureau of Labor Statistics, USA)

Composite Predictions of Yield for Agricultural Commodities

Timothy Keller (National Agricultural Statistics Service, USA)
William Wigton (National Agricultural Statistics Service, USA)

Discussant: Barbara Fraumeni (Bureau of Economic Analysis, USA)

Session Organizer: Michael Cohen (Bureau of Transportation Statistics, USA)

Wednesday, November 19

7:30 -
11:00 a.m. *Registration* **Lobby Atrium**

7:30 -
9:00 a.m. Coffee **Lobby Atrium**

9:00 -
10:30 a.m. **CONCURRENT SESSION VIII-A:
EVALUATION OF THE DATA QUALITY IMPACT OF SURVEY AND
DISSEMINATION PROCESSES** **Ballroom A**

Chair: George Hanuschak (National Agricultural Statistics Service, USA)

**Evaluation of U.S. EPA's Screener Questionnaire for the Aquatic Animal
Production Industry and Comparison to USDA Data**

Marla Smith (U.S. Environmental Protection Agency)
Marta Jordan (U.S. Environmental Protection Agency)

**Data Capture Using Fax and Intelligent Character and Optical Character
Recognition (ICR/OCR) in the Current Employment Statistics Survey (CES)**

Richard Rosen (Bureau of Labor Statistics, USA)
Patrick Clancy (Bureau of Labor Statistics, USA)
Vinod Kapani (Bureau of Labor Statistics, USA)

Cognitive Testing of Statistical Graphs: Methodology and Results

Colleen Blessing (Energy Information Agency, USA)
Howard Bradsher-Fredrick (Energy Information Agency, USA)
Herbert Miller (Energy Information Agency, USA)
Renee Miller (Energy Information Agency, USA)
Robert Rutchik (Energy Information Agency, USA)

Discussant: Fritz Scheuren (National Opinion Research Center, USA)

Session Organizer: Dale Atkinson (National Agricultural Statistics Service, USA)

**CONCURRENT SESSION VIII-B:
IMPUTATION** **Ballroom B**

Chair: Trena Ezzati-Rice (Agency for Healthcare Research and Quality, USA)

Imputation Methods on Longitudinal Studies

Yann-Yann Shieh (American Institutes for Research, USA)

**Developing Imputation Models for the Services Sectors Portion of the
Economic Census**

Katherine Thompson (U.S. Census Bureau)
Quatracia Williams (U.S. Census Bureau)

Multiple Imputation of Missing Blood Alcohol Concentration (BAC) Values in FARS

Rajesh Subramanian (National Highway Traffic Safety Administration, USA)
Dennis Utter (National Highway Traffic Safety Administration, USA)

Exploitation of Neural Methods for Imputation

Pasi Piela (Statistics Finland)

Session Organizer: Lap-Ming Wun (Agency for Healthcare Research and Quality, USA)**CONCURRENT SESSION VIII-C:
METADATA AND DATA MINING****Ballroom C***Chair:* Chao Chen (U.S. Environmental Protection Agency)**Identification of Driver and Vehicle Characteristics Through Data Mining the Highway Crash Data**

Santokh Singh (National Highway Traffic Safety Administration, USA)

Designing Data Collection, Processing and Dissemination Instruments with Reusable Metadata for the U.S. Census Bureau's 2002 Economic Census Initiative, Using XML and Web ServicesSteven Schafer (Fenestra Technologies Corporation, USA)
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11:00 a.m.***Break***Lobby Atrium****11:00 a.m. -
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**Sampling Racially Matched Population Controls for Case-Control Studies:
Using Geocoding of Address List Frames to Establish Strata for Oversampling Minorities**

Ralph DiGaetano (Westat, USA)
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Sowmya Rao (National Cancer Institute, USA)
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A Strategy for Strata Formation Using Commercially Available Telephone Exchange Data

Cynthia Garvan (University of Florida Health Science Center, USA)

Aspects of Sample Allocation in Business Surveys

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A Sampling Strategy for Rear-End Pre-Crash Data Collection

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