

— July and August 2019 —

Save the Dates!—UPCOMING CNSTAT EVENTS

We hope to see you there!!

- ★ We hope you will join us for ***Data Linkage Day*** the afternoon of **October 18, 2019** at the National Academy of Sciences Building, 2101 Constitution Ave., NW. Please see the ***Call for Posters and Lightning Presentations*** attached to this newsletter. The event will include the ***2019 Links Lecture***, which will be given by **Bruce Meyer**. His topic is ***Linking Data to Improve Income Statistics***. This event is being held in conjunction with the October 17-18, 2019, CNSTAT meeting.
- ★ CNSTAT will convene a Workshop on ***2020 Census Data Products***, which is scheduled for **December 11-12, 2019**, at the National Academy of Sciences Building, 2101 Constitution Ave., NW. The workshop is sponsored by the U.S. Census Bureau.

PEOPLE News

We congratulate the following members of the CNSTAT and federal statistical policy community on receiving awards or giving invited addresses at the ***Joint Statistical Meetings*** in Denver, CO, July 28–August 1, 2019:

- **Sharon Boivin**, National Center for Education Statistics and working group coordinator for developing the Federal Data Strategy, received the ***2019 Jeanne E. Griffith Mentoring Award*** from the ***American Statistical Association (ASA)***'s ***Government Statistics Section and Social Statistics Section***. The award recognizes and encourages the mentoring of junior staff in the statistical community in federal, state, or local government.
- **Joseph L. (Joe) Gastwirth**, professor of statistics and economics, The George Washington University, received the ***Karl E. Peace Award for Outstanding Statistical Contributions for the Betterment of Society***. He was cited for his “distinguished career as a leading authority in the

area of legal statistics, who has developed novel methodological and theoretical statistical approaches to address economic and health inequalities, to combat discrimination, and to advance civil rights and social justice.”

- **Karen Kafadar**, chair and commonwealth professor in the Department of Statistics, University of Virginia, gave the *ASA President’s Address* on *Reinforcing the Impact of Statistics on Society*.
- **Judith T. Lessler**, RTI International (retired), received the *Monroe G. Sirken Award in Interdisciplinary Survey Methods Research*. She was cited “for leadership in the application of cognitive laboratory methods to the design and evaluation of survey questionnaires and the study of measurement error; for substantial contributions to our understanding of nonsampling error more broadly; and for influential research on interview mode and significant contributions to the development of methods for collecting data on sensitive topics.”
- **Rochelle (Shelly) Wilkie Martinez**, senior statistician with the U.S. Office of Management and Budget Statistical and Science Policy Office, received the *2019 Pat Doyle Award* for service to the *Government Statistics Section of the ASA*.
- **Xiao-Li Meng**, Harvard University, gave the *Institute of Mathematical Statistics (IMS) Presidential Address* on artificial intelligence and its ramifications.
- **Chris Moriarity**, National Center for Health Statistics, received the *Washington Statistical Society Award for Outstanding Chapter Service*.
- **Jean Opsomer**, vice president and senior statistical fellow at Westat, received the *Harry C. Carver Medal* from the *IMS* for outstanding contributions to the *IMS*.
- **Paul R. Rosenbaum**, Robert G. Putzel professor, Department of Statistics, The Wharton School, University of Pennsylvania, gave the *Committee of Presidents of Statistical Societies Fisher Lecture* on “An Observational Study Used to Illustrate Methodology for Such Studies.”
- **Teresa (Terry) Sullivan**, president emerita of the University of Virginia, gave the *ASA President’s Invited Address* on *Coming to Our Census: How Social Statistics Underpin Our Democracy (and Republic)*.

We congratulate **Bruce Meyer**, McCormick Foundation professor at the University of Chicago Harris School of Public Policy, on his selection by the *American Statistical Association (ASA)* as the *2019 Links Lecture* awardee. His lecture will be entitled “Linking Data to Improve Income Statistics” and will be held on the afternoon of October 18, 2019, at the National Academy of Sciences building at 2101 Constitution Avenue, NW, as part of *Data Linkage Day*. **Mary Bohman**, deputy director of the Bureau of Economic Analysis, will serve in the program as the “Connector” in relating the points in Bruce’s lecture to the work of agencies engaged in the production of official statistics. For more information about the Links Lecture Award, see this [site](#).

PUBLICATION *News*

RECENTLY RELEASED REPORTS (available as free PDFs)

Monitoring Educational Equity, the final report of a consensus committee chaired by Christopher Edley, Jr. (University of California, Berkeley) and sponsored by the U.S. Department of Education, Atlantic Philanthropies, Ford Foundation, Spencer Foundation, W.K. Kellogg Foundation, and W.T. Grant Foundation, was released in prepublication format on June 13, 2019. Free PDFs are available [here](#) and printed copies will be available shortly.

Disparities in educational attainment among population groups have characterized the United States throughout its history. Education is sometimes characterized as the “great equalizer,” but to date, the country has not found ways to successfully address the adverse effects of socioeconomic circumstances, prejudice, and discrimination that suppress performance for some groups.

To ensure that the pursuit of equity encompasses both the goals to which the nation aspires for its children and the mechanisms to attain those goals, a revised set of equity indicators is needed. Measures of educational equity often fail to account for the impact of the circumstances in which students live on their academic engagement, academic progress, and educational attainment. Some of the contextual factors that bear on learning include food and housing insecurity, exposure to violence, unsafe neighborhoods, adverse childhood experiences, and exposure to environmental toxins. Consequently, it is difficult to identify when intervention is necessary and how it should function. A revised set of equity indicators should highlight disparities, provide a way to explore potential causes, and point toward possible improvements. *Monitoring Educational Equity* proposes a system of indicators of educational equity and presents recommendations for implementation. This report also serves as a framework to help policy makers better understand and combat inequity in the United States’ education system. Disparities in educational opportunities reinforce, and often amplify, disparities in outcomes throughout people’s lives. Thus, it is critical to ensure that all students receive comprehensive supports that level the playing field in order to improve the well-being of underrepresented individuals and the nation.

Reproducibility and Replicability in Science, the final report of a consensus committee chaired by Harvey Fineberg (Gordon and Betty Moore Foundation) and sponsored by the National Science Foundation and the Alfred P. Sloan Foundation, was released in prepublication format on May 7, 2019. Free PDFs are available [here](#); printed copies will be available shortly.

One of the pathways by which the scientific community confirms the validity of a new scientific discovery is by repeating the research that produced it. When a scientific effort fails to independently confirm the computations or results of a previous study, some fear that it may be a symptom of a lack of rigor in science, while others argue that such an observed inconsistency can be an important precursor to new discovery. Concerns about reproducibility and replicability have been expressed in both scientific and popular media. As these concerns came to light, Congress requested that the National Academies of Sciences, Engineering, and Medicine conduct a study to assess the extent of issues related to reproducibility and replicability and to offer recommendations for improving rigor and transparency in scientific research. *Reproducibility and Replicability in Science* defines reproducibility and replicability and examines the factors that may lead to non-reproducibility and non-replicability in research. Unlike the typical expectation of reproducibility between two computations, expectations about replicability are more nuanced, and in some cases a lack of replicability can aid the process of scientific discovery. This report provides recommendations to researchers, academic institutions, journals, and funders on steps they can take to improve reproducibility and replicability in science.

A Roadmap to Reducing Child Poverty, the final report of a consensus panel chaired by Greg Duncan (University of California, Irvine) and sponsored by the U.S. Department of Health and Human Services; the Doris Duke Charitable Foundation, Inc.; the Foundation for Child Development; the Joyce

Foundation; and the William T. Grant Foundation, was released in prepublication format on February 28, 2019. Free PDFs are available [here](#); printed copies will be available shortly.

Capable, responsible, and healthy adults are the foundation of any well-functioning and prosperous society, but in this regard the future of the United States is not as secure as it could be. This is because millions of American children live in families with incomes below the poverty line. A wealth of evidence suggests that a lack of adequate family economic resources compromises children's ability to grow and achieve success in adulthood, hurting them and the broader society as well. Recognizing this challenge to America's future, Congress asked the National Academies of Sciences, Engineering, and Medicine to conduct a comprehensive study of child poverty in the United States, and to identify evidence-based programs and policies for reducing the number of children living in poverty by half within 10 years. In its report, the committee (organized under the Board on Children, Youth, and Families and CNSTAT) concludes that poverty causes negative outcomes for children, especially if it occurs in early childhood or persists through a large part of childhood. Studies estimate that child poverty costs the nation roughly between \$800 billion and \$1.1 trillion annually in terms of lost adult productivity, the increased costs of crime, and increased health expenditures. The report identifies two packages of policies and programs that could reduce child poverty in the United States by half within 10 years, at a cost far lower than the estimated costs it bears from child poverty.

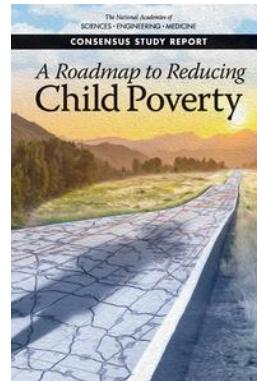
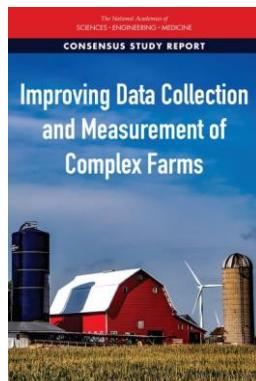
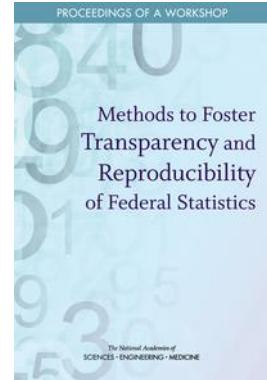
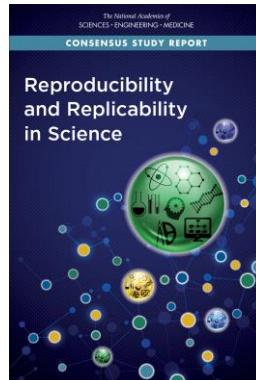
RECENTLY RELEASED REPORTS AVAILABLE IN PRINTED FORM

[***Improving the American Community Survey: Proceedings of a Workshop***](#), released May 2019

[***A Roadmap to Reducing Child Poverty***](#), released February 2019

[***Methods to Foster Transparency and Reproducibility of Federal Statistics***](#), released December 2018

[***Improving Data Collection and Measurement of Complex Farms***](#), released October 2018



Reminder: PDF versions of CNSTAT and National Academies reports are available for free download at *The National Academies Press* website, <http://www.nap.edu>. The download site asks for your e-mail and a password. If you don't have an NAP account and don't want to have one, then provide your e-mail and click "I don't have an account;" on the next page click "accept NAP policies" and "log in as guest".

Reminder: Slides from previous CNSTAT public seminars are available on the CNSTAT [public seminars and symposia](#) page. Presentations and posters from the **Big Data Day** event on May 11, 2018, are available [here](#). Presentations from the October 19, 2018, seminar **Leveraging and Integrating Data for Disasters** are available [here](#). Presentations from the May 10, 2019, seminar **National Statistics for Public Policy: Linkages among Federal, State, and Local Data** are available [here](#). Presentations and video from the June 6-7, 2019, workshop on **Challenges and New Approaches for Protecting Privacy in Federal Statistical Programs** are available [here](#).

EVENT & OTHER *News*

As noted on page 1 of this newsletter, please plan to join us for **Data Linkage Day** and the **2019 Links Lecture**. Also save the date for the upcoming Workshop on **2020 Census Data Products**.

CNSTAT *Meetings*

CNSTAT holds three regular meetings each year, with its spring and fall meeting dates following a set formula; our May meetings are always the Thursday–Friday preceding Mother's Day and our October meetings are always the second-to-last Thursday–Friday of the month. Here are the next three meetings:

CNSTAT's 140th meeting will be held **October 17-18, 2019**, at the **National Academy of Sciences Building** at 2101 Constitution Avenue NW, Washington, D.C. On the 18th, the meeting will feature a luncheon with statistical agency heads (members of the ICSP), followed by **Data Linkage Day** posters and lightning presentations and the 2019 Links Lecture, given by Bruce Meyer on the topic of *Linking Data to Improve Income Statistics*. The event will begin with light refreshments at 1:00 pm and end at 5:30 pm.

CNSTAT's 141st meeting will be held **February 20-21, 2020**, in Stanford, California). It will be a retreat meeting and will not have an agency heads luncheon or a public seminar.

CNSTAT's 142nd meeting will be held **May 7-8, 2020**, at the **National Academy of Sciences Building** at 2101 Constitution Avenue NW, Washington, D.C. On the 8th, the meeting will feature a luncheon with statistical agency heads (members of the ICSP), followed by a public seminar, beginning with light refreshments at 1:30 pm and ending with a reception at 4:30 pm.

Active PANELS & WORKSHOPS

Unless otherwise noted, meetings are in Washington, D.C., and include open sessions. For further information, contact Brian Harris-Kojetin at BKojetin@nas.edu or Rebecca Krone at RKrone@nas.edu. *Projects are listed by sponsor agency, beginning with federal departments. Also see the CNSTAT [web site](#) under “Our Work.”*

CNSTAT Core Sponsors

Challenges and New Approaches for Protecting Privacy in Federal Statistical Programs: A Workshop

Sponsors: CNSTAT Core Sponsors

Duration: August 2018–December 2019

Study director: Nancy Kirkendall; project assistant: Jillian Kaufman

Chair: Jerome P. Reiter (Duke University)

Meeting: Workshop held June 6–7, 2019; see this [site](#) for videos and presentations (note: no publication is planned)

Department of Agriculture

Consensus Panel on Improving Consumer Data for Food and Nutrition Policy Research

Sponsor: Economic Research Service (Consumer Data and Nutrition Research [CDNR] Program)

Duration: October 2017–December 2019

Study director: Christopher Mackie; senior program officer: Nancy Kirkendall; associate program officer: Michael Siri

Chair: Marianne Bitler (University of California, Davis)

Publication planned: Consensus report is being drafted

Meetings: Fifth and last meeting held May 20, 2019, in Chicago, IL

Workshop on Model-Based Methods for Producing Estimates of Livestock with Appropriate Measures of Uncertainty

Sponsor: National Agricultural Statistics Service

Duration: September 2014–September 2019

Study director: Nancy Kirkendall; project assistant: Anthony Mann

Chair: Eric Slud (University of Maryland and U.S. Census Bureau)

Publication planned: Workshop proceedings are being drafted

Meeting: Workshop held May 15, 2019; see this [site](#) for more information

Department of Commerce

Workshop on 2020 Census Data Products

Sponsor: U.S. Census Bureau

Duration: August 2019 – July 2020

Study director: Daniel Cork; senior scholar: Constance Citro; project assistant: Anthony Mann

Chair: TBD

Publication planned: Workshop proceedings

Upcoming meeting: Workshop scheduled for December 11–12, 2019, in Washington, DC

Department of Education

Consensus Committee on Developing Indicators of Educational Equity (see listing under “The Atlantic Philanthropies et al.” below)

Department of Health and Human Services

Consensus Committee on Building an Agenda to Reduce the Number of Children in Poverty by Half in 10 Years (led by Board on Children, Youth, and Families)

Sponsors: Office of the Assistant Secretary for Planning and Evaluation; Doris Duke Charitable Foundation; Foundation for Child Development; Marguerite Casey Foundation; The Buffet Early Childhood Fund; The W.K. Kellogg Foundation; The Joyce Foundation; William T. Grant Foundation; and Russell Sage Foundation

Duration: October 2016–April 2019

Study director: Suzanne Le Menestrel (BCYF); senior scholar: Constance Citro; senior program officer: Christopher Mackie; associate program officer: Elizabeth Townsend (BCYF); research associate: Dara Shefska (BCYF); project assistant: Pamella Atayi (BCYF)

Chair: Greg Duncan (UC Irvine)

Publication: *A Roadmap to Reducing Child Poverty* released in prepublication format on February 28, 2019 (see “Recently Released Reports” above)

Consensus Panel on Rising Midlife Mortality Rates and Socioeconomic Disparities

(led by Committee on Population)

Sponsor: National Institute on Aging; Robert Wood Johnson Foundation

Duration: October 2018–December 2020

Study director: Malay Majmundar; program officer: Tara Becker; project assistant: Ellie Grimes

Chair: Kathleen Mullan Harris (UNC, Chapel Hill)

Publication planned: Consensus report

Upcoming meetings: Third meeting held July 17-18, 2019; fourth meeting is scheduled for October 21-22, 2019; see this [site](#) for more information

Workshop on Approaches to Estimating the Prevalence of Human Trafficking in the United States

(in collaboration with the Committee on Population)

Sponsor: Office of Women’s Health

Duration: September 2018–December 2019

Study director: Jordyn White; project assistant: Ellie Grimes

Chair: David Banks (Duke University)

Publication planned: Workshop proceedings are being drafted

Meeting: Workshop held April 8-9, 2019; see this [site](#) for more information

Workshop on Social Science Modeling for Big Data in the World of Machine Learning

Sponsor: National Institute on Aging, Division of Behavioral and Social Research

Duration: October 2018–December 2019

Study director: Michael Siri; project assistant: Jillian Kaufman

Chair: TBD

Publication planned: None

Upcoming meeting: Workshop scheduled for October 24-25, 2019, in Washington, DC

Department of Homeland Security

Consensus Committee on Best Practices in Assessing Mortality and Significant Morbidity Following Large-Scale Disasters (led by Board on Health Sciences Policy)

Sponsor: Federal Emergency Management Agency

Duration: October 2018–September 2020

Study director: Michelle Mancher (HSP); senior program officer: Daniel Cork

Chair: Ellen J. MacKenzie (Johns Hopkins Bloomberg School of Public Health)

Publication planned: Consensus report

Upcoming meetings: Second meeting scheduled for August 29-30, 2019, in Washington, DC; see this [site](#) for more information

Department of the Interior

Consensus Committee on An Assessment of Native Seed Needs and Capacities

(led by Board on Agriculture and Natural Resources)

Sponsor: Bureau of Land Management

Duration: Fall 2018 – Fall 2020

Study director: Robin Schoen (BANR); senior program officer: Krisztina Marton

Chair: Susan Harrison (University of California, Davis)

Publication planned: Consensus report

Upcoming meetings: First meeting scheduled for August 18-19, 2019, in Washington, DC; see this [site](#) for more information

Department of Labor

Consensus Panel on Contingent Work and Alternate Work Arrangements

Sponsor: Bureau of Labor Statistics

Duration: September 2018–March 2020

Study director: Chris Mackie; project assistant: Anthony Mann

Chair: Susan Houseman (W.E. Upjohn Institute for Employment Research)

Publication planned: Consensus report

Upcoming meetings: Third meeting (closed) scheduled for September 6, 2019, in Chicago, IL; see this [site](#) for more information

Department of State

Consensus Committee on Foreign Language Assessment for the U.S. Foreign Service Institute (led by DBASSE Executive Office)

Sponsor: U.S. Foreign Service Institute

Duration: 18 months

Study director: Stuart Elliott; senior program officer: Judith Koenig; project assistant: Anthony Mann

Chair: Dorry Kenyon (Center for Applied Statistics, Washington, DC)

Publication planned: Consensus Report

Upcoming meetings: Third meeting held July 17-18, 2019; fourth meeting is scheduled for October 11-12, 2019; see this [site](#) for more information

Department of Transportation

Standing Committee for Improving Motor Carrier Safety Measurement

(joint with the Transportation Research Board)

Sponsor: Federal Motor Carrier Safety Administration

Duration: October 2017–September 2020

Study director: Michael Cohen; TRB Studies and Special Programs Division director: Tom Menzies; associate program officer: Michael Siri

Co-chairs: Joel Greenhouse (Carnegie Mellon) and Sharon Lise-Normand (Harvard Medical School)

Publications: Standing committees do not issue reports; they meet for discussion; they also identify topics for separate workshops or consensus panels.

Upcoming meetings: The standing committee is meeting primarily by teleconference; it held its third on-site meeting July 26, 2019, at the Volpe National Transportation Systems Center in Cambridge, MA

National Science Foundation

Consensus Committee on Reproducibility and Replicability in Science (led by the Board on Behavioral, Cognitive, and Sensory Sciences, with the Board on Mathematical Sciences and Analytics, CNSTAT, and the Division of Earth and Life Sciences)

Sponsor: NSF director's office (congressionally mandated)

Duration: August 2017–March 2019

Study director: Jennifer Heimberg (DELS); board director: Michelle Schwalbe (BMSA); senior program officer: Adrienne Stith Butler (BBCSS); senior program officer: Michael Cohen (CNSTAT)

Chair: Harvey Fineberg (Gordon and Betty Moore Foundation)

Publication: ***Reproducibility and Replicability in Science***, released in prepublication format on May 7, 2019 (see “Recently Released Reports” above)

Consensus Panel on Transparency and Reproducibility of Federal Statistics for the National Center for Science and Engineering Statistics

Sponsor: National Center for Science and Engineering Statistics

Duration: September 2018–November 2020

Study director: Michael Cohen; co-study director: Michael Siri; project assistant: Jillian Kaufman

Chair-designate: Daniel Kasprzyk (NORC at the University of Chicago)

Publication planned: Consensus report

Upcoming meetings: Second meeting scheduled for September 9–10, 2019, in Washington, DC

Workshop on Implications of Convergence for Measuring the Science and Engineering Workforce and the S&E Enterprise

Sponsor: National Center for Science and Engineering Statistics

Duration: September 2018–November 2020

Study director: Daniel Cork; project assistant: Anthony Mann

Chair: TBD

Publication planned: Workshop proceedings

Upcoming meetings: TBD

The American Educational Research Association, the Atlantic Philanthropies, the Ford Foundation, the Spencer Foundation, the U.S. Department of Education, the W.K. Kellogg Foundation, and the W.T. Grant Foundation

Consensus Committee on Developing Indicators of Educational Equity

Sponsors: See above list

Duration: December 2016–June 2019

Study director: Judith Koenig; senior scholar: Constance Citro; senior program officer: Jordyn White; project assistant: Kelly Arrington

Chair: Christopher Edley, Jr. (The Opportunity Institute, Berkeley, CA)

Publication planned: Final consensus report, ***Monitoring Educational Equity***, released on June 13, 2019, in prepublication format (see “Recently Released Reports” above)

• CONTACT INFORMATION for CNSTAT •

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– See our website for previous issues of *News from CNSTAT*, under “CNSTAT News” –

The Committee on National Statistics was established in 1972 at the National Academies of Sciences, Engineering, and Medicine to improve the statistical methods and information on which public policy decisions are based. The committee carries out studies, workshops, and other activities to foster better measures and fuller understanding of the economy, the environment, public health, crime, education, immigration, poverty, welfare, and other public policy issues. It also evaluates ongoing statistical programs and tracks the statistical policy and coordinating activities of the federal government, serving a unique role at the intersection of statistics and public policy. The committee’s work is supported by a consortium of federal agencies through a National Science Foundation grant, a National Agricultural Statistics Service cooperative agreement, and several individual agreements.