



NEWS from CNSTAT

— December 2019 —

UPCOMING CNSTAT EVENTS

We hope to see you there!!

- * CNSTAT will convene a Workshop on **2020 Census Data Products: Data Needs and Privacy Considerations** on **December 11-12, 2019**, in the Auditorium of the National Academy of Sciences Building, 2101 Constitution Ave., NW. The workshop is sponsored by the U.S. Census Bureau. Registration is [open](#) now. See the flyer at the end of this newsletter for details.

PEOPLE *News*

We thank **Nancy Potok**, *chief statistician of the United States* and head of *Statistical and Science Policy, U.S. Office of Management and Budget*, on her outstanding service to the federal statistical system. She has announced her retirement, effective at the end of 2019. Previously, she served as deputy director and chief operating officer of the U.S. Census Bureau; deputy under secretary for economic affairs at the U.S. Department of Commerce; principal associate director and chief financial officer as well as associate director for demographic programs at the Census Bureau; senior vice president for economic, labor, and population studies at NORC at the University of Chicago; and chief operating officer of McManis & Monsalve Associates, a start-up business analytics and management consulting firm. She is an adjunct professor at the Trachtenberg School of Public Policy and Public Administration at The George Washington University. Early in her career she was a presidential management fellow, an analyst on federal transportation programs at the U.S. Office of Management and Budget, and deputy assistant director for finance and budget at the Administrative Office of the U.S. Courts. She is an elected fellow of the National Academy of Public Administration. She is a recipient of the Enterprise Risk Manager of the Year Award given by the Association for Federal Enterprise Risk Management; the Secretary of Commerce Gold Medal and Silver Medal for outstanding achievements; the Arthur S. Flemming Award, which recognizes outstanding service by federal employees with fewer than 15 years of service; the Distinguished Alumni Award from The George Washington University; and a 2017 Presidential Meritorious Rank Award for her service at the Department of Commerce. She was a member of the Commission on Evidence-Based Policymaking and has been overseeing the development of guidance for

statistical agencies and offices pursuant to the 2018 Foundations of Evidence-Based Policymaking Act. She has a B.A. from Sonoma State University, an M.A. from the University of Alabama, and a Ph.D. in public policy and administration from The George Washington University. She will be much missed.

PUBLICATION *News*

RECENTLY RELEASED REPORTS

(available as free PDFs)

Using Models to Estimate Hog and Pig Inventories, the proceedings of a workshop chaired by Eric Slud (University of Maryland and U.S. Census Bureau) and sponsored by the National Agricultural Statistics Agency (NASS), was released in published form on September 27, 2019. Free PDFs and printed copies are available [here](#).

In 2014, NASS engaged the National Academies of Sciences, Engineering, and Medicine to convene a planning committee to organize a public workshop for an expert open discussion of their then-current livestock models. The models had worked well for some time. Unfortunately beginning in 2013, an epidemic that killed baby pigs broke out in the United States. The epidemic was not fully realized until 2014 and spread to many states. The result was a decline in hog inventories and pork production that was not predicted by the models. NASS delayed the workshop until 2019 while it worked to develop models that could help in times both of equilibrium and shock (disease or disaster), as well as alternative approaches to help detect the onset of a shock. The May 15, 2019, workshop was consistent with NASS's 2014 intention, but with a focus on a model that can help predict hog inventories over time, including during times of shock. This publication summarizes the presentations and discussions from the workshop.

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 just released in final published form on September 30, 2019. Free PDFs and printed copies are available [here](#).

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.

RECENTLY RELEASED REPORTS AVAILABLE IN PRINTED FORM

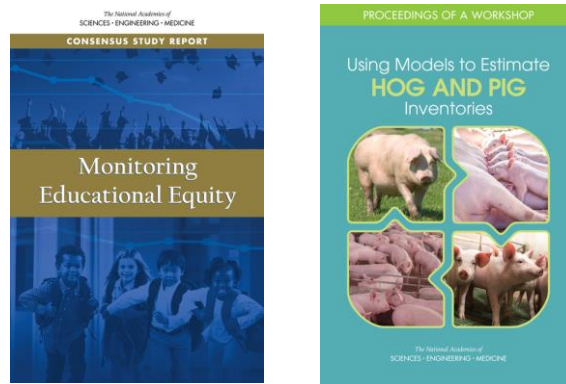
[*Using Models to Estimate Hog and Pig Inventories*](#), released September 2019

[*Monitoring Educational Equity*](#), released June 2019

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

[*Reproducibility and Replicability in Science*](#), released May 2019

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



Reminder: PDF versions of CNSTAT and National Academies reports are available for free download at [*The National Academies Press website*](#). 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 from the October 18, 2019, *Data Linkage Day* and *2019 Links Lecture* 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](#). Presentations from the May 10, 2019, seminar *National Statistics for Public Policy: Linkages among Federal, State, and Local Data* are available [here](#). Presentations from the October 19, 2018, seminar *Leveraging and Integrating Data for Disasters* are available [here](#). Presentations and posters from the *Big Data Day* event on May 11, 2018, are available [here](#).

EVENT & OTHER *News*

As noted on page 1 of this newsletter, please plan to join us for the December 11-12, 2019, *Workshop on 2020 Census Data Products: Data Needs and Privacy Considerations*.

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 141st meeting will be held **February 20-21, 2020**, in Washington, DC. 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 at 5:00 pm.

CNSTAT’s 143rd meeting will be held **October 22-23, 2020**, at the *National Academy of Sciences Building* at 2101 Constitution Avenue NW, Washington, D.C. On the **22nd**, the meeting will feature a luncheon with statistical agency heads (members of the ICSP), followed by a public seminar.

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.”

Department of Agriculture

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

Sponsor: Economic Research Service

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 in response to review

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

Department of Commerce

Consensus Committee on Data and Management Strategies for Recreational Fisheries with Annual Catch Limits (led by Ocean Studies Board)

Sponsor: National Oceanic and Atmospheric Administration

Duration: September 2019–March 2021

Study director: Stacey Karras (OSB); senior program officer: Nancy Kirkendall

Chair: TBD

Publication planned: Consensus report

Upcoming meetings: TBD

Workshop on 2020 Census Data Products: Data Needs and Privacy Considerations

Sponsor: U.S. Census Bureau

Duration: August 2019 – July 2020

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

Co-chairs: Joseph Hotz (Duke University) and Joseph Salvo (New York City Department of City Planning)

Publication planned: Workshop proceedings

Upcoming meeting: Workshop scheduled for December 11-12, 2019, in Washington, DC; registration is [open now](#); see attached flyer

Department of Health and Human Services

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 (CPOP); program officer: Tara Becker; project assistant: Ellie Grimes

Chair: Kathleen Mullan Harris (UNC, Chapel Hill)

Publication planned: Consensus report

Upcoming meetings: Fifth meeting December 9-10, 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: the full workshop proceedings are in review; the *Proceedings of a Workshop-in-Brief* are available [here](#).

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

Co-chairs: Harlan M. Krumholz (Yale University School of Medicine) and Sendhil Mullainathan (University of Chicago Booth School of Business)

Publication planned: None (NIA is preparing a summary)

Meeting: Workshop held 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: Fourth meeting scheduled for January 6-7, 2010, in Irvine, CA; 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: Third meeting January 28-29, 2020, in Irvine, CA; 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: Christopher Mackie; project assistant: Anthony Mann

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

Publication planned: Consensus report is being drafted

Upcoming meetings: Fourth meeting scheduled for December 5, 2019; see this [site](#) for more information

Consensus Panel on Improving Cost-of-Living Indexes and Consumer Inflation Statistics in the Digital Age for the Bureau of Labor Statistics

Sponsor: Bureau of Labor Statistics

Duration: September 2019–May 2021

Study director: Christopher Mackie; associate program officer: Michael Siri; project assistant: Anthony Mann

Chair: TBD

Publication planned: Consensus report

Upcoming meetings: TBD

Consensus Panel on Measuring the Transformation of Retail Trade and Related Activities for the Bureau of Labor Statistics

Sponsor: Bureau of Labor Statistics

Duration: September 2019–March 2021

Study directors: Nancy Kirkendall and Stuart Elliott; project assistant TBD

Chair: TBD

Publication planned: Consensus report

Upcoming meetings: TBD

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 Linguistics, Washington, DC)

Publication planned: Consensus report is in review

Meetings: Fourth and last meeting held October 11-12, 2019; see this [site](#) for more information

National Science Foundation

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: Daniel Kasprzyk (NORC at the University of Chicago)

Publication planned: Consensus report

Upcoming meetings: Fourth meeting scheduled for February 5-6, 2020, in Washington, DC; see this [site](#) for more information.

Research And Development, Global Value Chains, And Globalization Measurement: A Workshop (led by Board on Science, Technology, and Economic Policy)

Sponsor: National Center for Science and Engineering Statistics

Duration: September 2019–March 2021

Study director: Gail Cohen (STEP); senior scholar: Constance Citro

Chair: TBD

Publication planned: Workshop proceedings

Upcoming meetings: TBD

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 William and Flora Hewlett Foundation

Guidebook on Developing Indicators of Educational Equity

(led by Board on Testing and Assessment)

Sponsors: William and Flora Hewlett Foundation

Duration: September 2019—February 2021

Study director: Natalie Nielsen (BOTA); senior program officer: Judith Koenig

Chair: Not applicable.

Publication: Derivative guidebook for state and district education policymakers to briefly explain the indicators in the consensus report *Monitoring Educational Equity* and provide concrete examples that will help in implementing them.

• **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.

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Committee on National Statistics
Division of Behavioral and Social Sciences and Education

Workshop on 2020 Census Data Products: Data Needs and Privacy Considerations

December 11–12, 2019 • Washington, DC

[REGISTER HERE](#)

National Academy of Sciences Building
2101 Constitution Avenue NW
Auditorium

Draft Updated 12/1/19

Day 1: Wednesday, December 11, 2019

Informal, Working Discussion with Census Staff and Participants
(continental breakfast available)

9:00am **A. Introduction to the Workshop**

Welcome from Planning Committee Co-Chairs

5 V. JOSEPH HOTZ, *Duke University*

JOSEPH SALVO, *New York City Department of City Planning*

Welcome from Committee on National Statistics

5 BRIAN HARRIS-KOJETIN, *Committee on National Statistics*

Welcome from U.S. Census Bureau

5 [TBD], *U.S. Census Bureau*

9:15am **B. Disclosure Avoidance in the 2020 Census**

Moderator: V. JOSEPH HOTZ, Duke University

Getting to Here: Setting the Privacy Loss Budget for the 2010 Demonstration
Products, and Subsequent Reidentification Risk Research

60 [TBD], *U.S. Census Bureau*

15 Floor Discussion/Questions and Answers

10:30am **Working Break for Informal Discussion and Further Q&A with Presenters**
(coffee and refreshments available)

10:45am **C. Geospatial Analyses of Social/Demographic Conditions**

Moderator: EDDIE HUNSINGER, California Department of Finance

Segregation Indices *(collaborative analyses)*

30 SETH SPIELMAN, *University of Colorado*

DAVID VAN RIPER, *Minnesota Population Center*

[Title TBD]

15 MARK HANSEN, *Columbia University*

[Title TBD]

15 NICHOLAS NAGLE, *University of Tennessee*

15 Floor Discussion/Questions and Answers

12:00pm **Working Lunch to Discuss the Morning Presentations**

1:00pm **D. Redistricting and Related Legal Uses**

Moderator: JOSEPH SALVO, *New York City Department of City Planning*
Impacts on Redistricting, Including State and Local Level

15 ANDY BEVERIDGE, *Queens College, City University of New York*
Redistricting and the Voting Rights Act

15 JUSTIN LEVITT, *Loyola Law School*
Ecological Inference Analysis and Racial Bloc Analysis

15 MICHAEL McDONALD, *University of Florida*

15 Floor Discussion/Questions and Answers

2:00pm **E. Delivery of Government Services**

Moderator: MICHAEL McDONALD, *University of Florida*
Privatized Data in Small-City Planning

15 CLIFFORD COOK, *City of Cambridge, Massachusetts*
Housing Analyses, Particularly for Rural Areas and Households

15 LANCE GEORGE, *Housing Assistance Council*
[Title TBD]

15 ABRAHAM FLAXMAN, *University of Washington*
Challenges for Regional Planning

15 BETH JAROSZ, *Population Reference Bureau*

15 Floor Discussion/Questions and Answers

3:15pm **Working Break for Informal Discussion and Further Q&A with Presenters**
(coffee and refreshments available)

3:30pm **F. Business and Private Sector Applications**

Moderator: CATHERINE FITCH, *Minnesota Population Center*
Privatized Data in Building Information Products for Business Applications

15 KEN HODGES, *Claritas*
Construction of Floodplain Weights and Other Benchmarking Needs

15 NADIA EVANGELOU, *National Association of Realtors*
Effects of Differentially Private Noise Injection on Survey Operations

15 QUENTIN BRUMMET, *NORC at the University of Chicago*

15 Floor Discussion/Questions and Answers

4:30pm **G. Identification of Rural and Special Populations (Part 1)**

Moderator: MATTHEW SNIPP, *Stanford University*
Population Counts on American Indian Reservations and Alaska Native Villages

15 RANDALL AKEE, *Luskin School of Public Affairs, University of California, Los Angeles*

American Indian and Alaska Native Population Characteristics

15 NORMAN DEWEAVER, *Independent Consultant, Casa Grande, Arizona*

5:00pm **Closing Discussion**

5:30pm **Planned Adjournment of Day 1**

Day 2: Thursday, December 12, 2019

Informal, Working Discussion with Census Staff and Participants
(continental breakfast available)

9:00am **Welcome from Co-Chairs**

H. Use as Denominators for Rates and Baseline for Estimates

Moderator: EDDIE HUNSINGER, California Department of Finance

Rates of Cancer Incidence and Mortality

15 MANDI YU, *National Cancer Institute*

Public Health and Health Equity Questions

15 NANCY KRIEGER, *Harvard T.H. Chan School of Public Health*

Impact on Critical Rate Calculations, Particularly for Small Areas and
Demographic Communities

15 ALEXIS SANTOS, *Pennsylvania State University*

Housing and Population Counts—Implications for Local Estimates and
Projections

15 JEFF HARDCASTLE, *Nevada Department of Taxation*

15 Floor Discussion/Questions and Answers

10:15am **Working Break for Informal Discussion and Further Q&A with Presenters**
(coffee and refreshments available)

10:30am **I. Identification of Rural and Special Populations (Part 2)**

Moderator: MATTHEW SNIPP, *Stanford University*

Privatized Data for Alaska Communities

15 ERIC SANDBERG, *Alaska Department of Labor*

Children Ages 0–4, for States and Counties

15 WILLIAM O’HARE, *O’Hare Data and Demographic Services*

Elementary School Enrollment

15 JAN VINK, *Cornell Institute for Social and Economic Research, Cornell
University*

Tract-based Emergency Preparedness for Persons Ages 75+

15 JOSEPH SALVO, *New York City Department of City Planning*

Child Poverty Estimates, by Local School District and Allocation of Federal
Title I Funding

15 AARON SOJOURNER, *University of Minnesota*

15 Floor Discussion/Questions and Answers

12:00pm **Working Lunch to Discuss the Morning Presentations**

- 1:00pm **J. Panel Discussion on Key Privacy Issues**
 Moderator: DANIEL GOROFF, Sloan Foundation
 Opening Statements by Panelists (*up to one hour, divided equally*)
12 PAUL OHM, *Georgetown Law Center*
12 HELEN NISSENBAUM, *Cornell Tech*
12 DANAH BOYD, *Data and Society Research Institute*
 DANIEL BARTH-JONES, *Mailman School of Public Health, Columbia*
12 *University*
12 OMER TENE, *International Association of Privacy Professionals*
30 Colloquy
- 2:30pm **Working Break for Informal Discussion and Further Q&A with Presenters**
(coffee and refreshments available)
- 2:45pm **K. Census Bureau’s Responses and Own Analyses of 2010 Demonstration Products**
 Moderator: LINDA JACOBSEN, Population Reference Bureau
 Internal Analysis of Demonstration Product Files, Proposed Fixes, and
 Reactions to Received Feedback
60 [TBD], *U.S. Census Bureau*
- 3:45pm **L. Capstone/What Have We Learned?**
 Divide into 2–3 smaller rooms for more active conversation of managing the
 privacy–accuracy tradeoffs than is possible in the full Auditorium setting.
 *We expect to use **part of the Auditorium, the Board Room, and NAS 250***
 for these breakout-type conversations with a moderator (and likely at least
 one designated “provocateur”) in each room to stimulate discussion and
60 *one committee/staff member to record general impressions*
 Reconvene in Auditorium; Brief Report of Smaller-Group Discussions, and
45 Floor Discussion
- 5:30pm **Planned Adjournment**