



# NEWS from CNSTAT

— November 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. To help structure the workshop, the planning committee is seeking examples of compelling census use cases, analyses of the recently released 2010 Demonstration Products (implementing differential privacy), and examples of compelling privacy issues. See the ***Call for Input*** in the attached flyer.

## PEOPLE *News*

We congratulate ***Hubert Hamer, administrator, National Agricultural Statistics Service (NASS), USDA***, on receiving a ***2019 Presidential Meritorious Executive Award***. He and the other award winners will be honored at the Senior Executive Association's Presidential Rank Award Leadership Summit, December 17, 2019, at the Mayflower Hotel in Washington, DC. Meritorious Rank Awards are made to no more than 5 percent of career SES in recognition of outstanding achievement to enhance the mission of their agency. Hubert has been NASS administrator since 2016 and previously served as director of the Statistics Division, and associate deputy administrator for field operations, overseeing 24 state field offices as well as the Training and Career Development Office. He also served as executive director of the NASS Agricultural Statistics Board and executive director of the Advisory Committee on Agriculture Statistics. He joined NASS in the 1990s and served in the Louisiana, Illinois, and Missouri field offices. He was born on a small livestock and row crop farm in Benton County, Mississippi, and has a bachelor's degree in agricultural science from Tennessee State University.

# 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

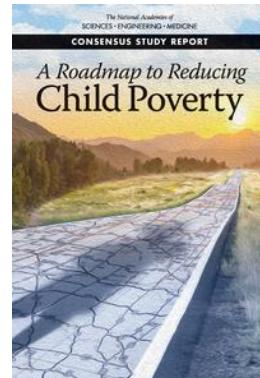
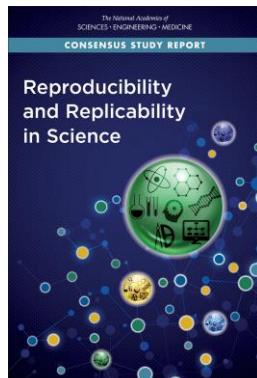
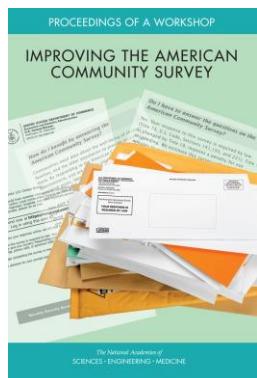
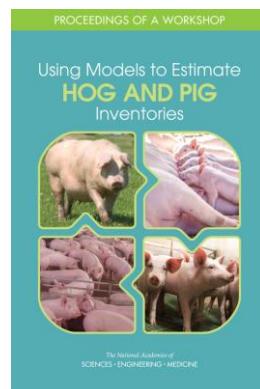
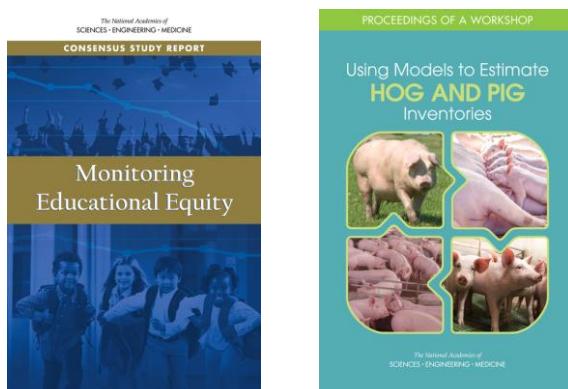
[Using Models to Estimate Hog and Pig Inventories](#), released September 2019

[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*** will be posted soon on the CNSTAT website. 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 141<sup>st</sup> 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 142<sup>nd</sup> 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 8<sup>th</sup>, the meeting will feature a luncheon with the members of the Interagency Council on Statistical Policy, followed by a public seminar, beginning with light refreshments at 1:30 pm and ending at 5:00 pm.

**CNSTAT’s 143<sup>rd</sup> 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 22<sup>nd</sup>, the meeting will feature a luncheon with the members of the Interagency Council on Statistical Policy), 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](mailto:BKojetin@nas.edu) or Rebecca Krone at [RKrone@nas.edu](mailto: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 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: Stacee Karras (OSB); senior project officer: Nancy Kirkendall

Chair: TBD

Publication planned: Consensus report

Upcoming meeting: 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 Dept. 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 “Call for Input”

## **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 TBD; 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; 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 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: TBD

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: Stuart Elliott and Nancy Kirkendall; program assistant: Jillian Kaufman

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: Third meeting scheduled for November 5-6, 2019, 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: Judy Koenig

Chair: TBD

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

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<http://www.nationalacademies.org/cnstat>  
Visit our website to find previous issues of  
the newsletter, under CNSTAT News

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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.

# **CALL FOR INPUT**

## **Committee on National Statistics**

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

December 11–12, 2019

Auditorium, National Academy of Sciences Building  
2101 Constitution Ave. NW, Washington, DC 20418

**REGISTER HERE** (note: this event will be Webcast live)

The planning committee for the Committee on National Statistics (CNSTAT) Workshop on 2020 Census Data Products is pleased to issue this *public call for input*, with the intent of performing the broadest possible sweep of users (and use cases) of decennial census data. *We want and need to hear from prospective users of 2020 Census data products, to inform the Census Bureau's final decision making about the 2020 products.*

On October 29, the Census Bureau [released a set of “2010 Demonstration Products”](#) — tables comparable to those released as official data products of the 2010 Census, but generated by applying the Census Bureau’s new-for-2020 protocol for disclosure avoidance (based on the concept of differential privacy) to raw 2010 census data. A crosswalk file describes the tables currently planned for release in 2020 and the subset of tables included in the 2010 Demonstration Products. In brief, the Demonstration Products comprise:

\* A complete version of the P.L. 94-171 Redistricting Data Summary File, and  
\* A subset of tables from the planned 2020 Demographic and Housing Characteristic (DHC) File, which in turn is meant to cover most of the content of the 2010 Summary File 1. Notable exclusions from the Demonstration Products include tabulations beyond the most top-level race/Hispanic origin codes (including detailed American Indian and Alaska Native affiliation) and tabulations based on within-household composition, for which improved disclosure avoidance protocols have not yet been identified by the Census Bureau.

*Again, we want to hear from census data product users, those whose applications of the products are directly covered in the 2010 Demonstration Products as well as those whose are not.*

We recognize that time until the December 11–12 workshop is extremely short and regret any inconvenience—but we also know this to be a critical time, to inform the setting of final parameters for the 2020 Census products before major field operations begin and consume the time and energy of Census Bureau leadership. Hence, we ask for and welcome your input along several possible lines:

\* If your use of decennial census tabulations *is covered* in the demonstration products: How does the accuracy and utility of the new data compare with the original 2010 census data releases? Are there new challenges in interpretation, and is the level of geographical detail

planned for 2020 adequate for your use? Are there dimensions (geographic unit type, basic demographic characteristics, age groups) for which it is essential to your use of the data that the tabulations afford more accuracy (in dividing up the overall privacy loss budget)?

\* If your use of decennial census tabulations *is not covered* in the demonstration products: How critical are decennial census data products to your work or satisfying legal/regulatory needs? What census data tabulations are absolutely necessary for your use, and at what degree of geographic and population group resolution? Are there alternatives (other data resources) that might be brought to bear?

\* Can you produce a “case study” of the use of privacy-protected census data in your application area by comparing the 2010 Demonstration Products with the applicable 2010 products as originally released, or, alternatively, by describing in detail how your application used the original 2010 products and why they were essential? We welcome case studies in all varieties of application area, from redistricting to provision/targeting of government services to deriving the denominators for calculation of policy-important rates and percentages.

\* Can you address the essential tension between privacy and accuracy of 2020 census data products, with reference to specific data? Looking at the demonstration products holistically, do they afford enough privacy protection to safeguard individuals while still being usable for essential needs?

What we need at this point are brief responses, signals of interest—indications of whether you plan to scrutinize the 2010 Demonstration Products and whether you have a case study or an application that you think would be good to showcase at the workshop. Even short, fragmentary expressions will be helpful in shaping the workshop agenda. We may be back in touch with you about presenting/discussing at the workshop; we may ask you to flesh out use case examples into “one-pagers” that could be distributed at the workshop or presented in a virtual “poster session” at the workshop. But, more generally, we want to hear from and reflect in this workshop as broad a swath of the census data user community as possible.

**To answer this *Call for Input*, please email Daniel Cork ([dcork@nas.edu](mailto:dcork@nas.edu)). In addition to your brief commentary on your data product use, please include your name and affiliation; whether you anticipate using the 2020 P.L. 94-171 Redistricting Summary File or the 2020 Demographic and Housing Characteristic File (akin to 2010’s Summary File 1), and which geographic summary levels or characteristics/census variables are most critical to you. Please also indicate whether you plan to analyze the 2010 Demonstration Products to evaluate the effects of the new disclosure avoidance system, and whether any results might be available on or before the December 11–12 workshop.**

*The Workshop on 2020 Census Data Products is organized by the Committee on National Statistics (CNSTAT) of the National Academies of Sciences, Engineering, and Medicine, at the request of the U.S. Census Bureau. The workshop is open to the public and will be webcast for remote viewing; for planning purposes, please RSVP [HERE](#). A proceedings will be issued based on the workshop presentations and discussions, and may include additional materials submitted in response to this Call for Input.*