

### The Causes and Consequences of Racial Convergence in Pollution Exposure in the United States

Janet Currie, Princeton University  
John Voorheis, U.S. Census Bureau  
Reed Walker, University of California-Berkeley

### The Gender Gap in Entrepreneurship

John S. Earle, George Mason University  
J. David Brown, U.S. Census Bureau  
Mee Jung Kim, George Mason University and  
U.S. Census Bureau  
Kyung Min Lee, George Mason University

### The Intergenerational Effects of the Rosenwald Schools

Bhash Mazumder, Federal Reserve Bank of Chicago  
Daniel Aaronson, Federal Reserve Bank of Chicago  
Martha Stinson, U.S. Census Bureau

### The Long-Run Effects of Poverty and Food Insecurity

Lewis H. Warren, U.S. Census Bureau  
Stephen A. Woodbury, Michigan State University

## › Research Matters

Keeping pace with our dynamic economy and society constantly challenges the U.S. Census Bureau's ability to provide timely and accurate information. Our users want more data, want it sooner, and want it more often, while maintaining high quality.

Costs of our existing methods keep going up, while statistical budgets are tight. We stay current by making research the basis of everything we do at the Census Bureau.

Exploring innovative ways to conduct surveys, increase respondent participation, reduce costs, and improve accuracy is key work.

Analyzing the data we collect and uncovering trends gives us a deeper understanding of our complex society.

This investment in our nation's statistical infrastructure enables our leaders to make decisions based on the best information available.

The Research @ Census Web site is designed to give analysts, academic researchers, and policymakers improved access to the data tools and research they need to move our country forward.

[www.census.gov/research](http://www.census.gov/research)

# RESEARCH @Census

Allied Social Science Associations Meetings  
January 3-5, 2020 San Diego, CA



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## › Papers by U.S. Census Bureau Researchers

### **Declining Reallocation in the United States: Implications for Productivity Growth?**

John Haltiwanger, University of Maryland  
Zoltan Wolf, U.S. Census Bureau

### **Do Cash Windfalls Affect Wages? Evidence From R&D Grants to Small Firms**

Sabrina T. Howell, New York University  
J. David Brown, U.S. Census Bureau

### **Do EITC Expansions Pay for Themselves? Effects on Tax Revenue and Public Assistance Spending**

Jacob Bastian, University of Chicago  
Maggie R. Jones, U.S. Census Bureau

### **Earnings Inequality for Asians and Hispanics: An Examination of Variation Across Subgroups**

Randall Akee, University of California-Los Angeles  
Maggie R. Jones, U.S. Census Bureau  
Sonya R. Porter, U.S. Census Bureau  
Emilia Simeonova, Johns Hopkins University

### **Employment Dynamics for Economists: Empirical Evidence by Gender and Race**

Danielle H. Sandler, U.S. Census Bureau  
Lucia Foster, U.S. Census Bureau  
Julia Manzella, U.S. Census Bureau  
Erika McEntarfer, U.S. Census Bureau

### **Firm Growth Through New Establishments**

Toshi Mukoyama, Georgetown University  
Dan Cao, Georgetown University  
Henry Hyatt, U.S. Census Bureau  
Erick Sager, Federal Reserve Board

### **How Do Patents Shape Global Value Chains? International and Domestic Patenting and Value-Added Trade**

Nikolas Zolas, U.S. Census Bureau  
Travis Lybbert, University of California-Davis

### **Immigration and Entrepreneurship in the United States**

Pierre Azoulay, Massachusetts Institute of Technology  
Benjamin F. Jones, Northwestern University  
J. Daniel Kim, University of Pennsylvania  
Javier Miranda, U.S. Census Bureau

### **› Research @ ASSA**

Census Bureau researchers actively participate in professional conferences in a wide range of fields throughout the year. This exchange of ideas and research fosters innovation in every aspect of our work.

On January 3-5, 2020, Census Bureau researchers will attend the Allied Social Science Associations (ASSA) meetings in San Diego, CA. The American Economic Association, in conjunction with about 60 associations in related disciplines, holds a 3-day meeting each January to present papers on general economic topics.

Here, Census Bureau researchers will present their latest research findings and exchange ideas with colleagues in their field with the goal of improving and promoting Census Bureau data.

Meet our researchers and view their profiles at [www.census.gov/research/researchers](http://www.census.gov/research/researchers).

### **Maternal Labor Force Dynamics: Participation, Earnings, and Employer Changes**

Danielle H. Sandler, U.S. Census Bureau  
Nichole Szembrot, U.S. Census Bureau

### **Measuring Cross-Country Differences in Misallocation**

T. Kirk White, U.S. Census Bureau

### **Medical Progress and Health Care Financing: Evidence From Academic Medical Centers**

Pierre Azoulay, Massachusetts Institute of Technology  
Jennifer Kao, University of California-Los Angeles  
Misty Heggeness, U.S. Census Bureau

### **Measuring Technology Adoption in Enterprise-Level Surveys: The Annual Business Survey**

David Beede, U.S. Census Bureau  
Erik Brynjolfsson, Massachusetts Institute of Technology  
Cathy Buffington, U.S. Census Bureau  
Emin Dinlersoz, U.S. Census Bureau  
Lucia Foster, U.S. Census Bureau  
Nathan Goldschlag, U.S. Census Bureau  
Kristina McElheran, University of Toronto  
Nikolas Zolas, U.S. Census Bureau

### **Open Science Practices Are on the Rise in Economics**

David Birke, University of California-Berkeley  
Garret Christensen, U.S. Census Bureau  
Rebecca Littman, Massachusetts Institute of Technology  
Edward Miguel, University of California-Berkeley  
Elizabeth Levy Paluck, Princeton University  
Nicholas Swanson, University of California-Berkeley  
Zenan Wang, University of California-Berkeley

### **Potential Improvements to the Census Bureau's Supplemental Poverty Measure for 2021**

Liana Fox, U.S. Census Bureau  
Thesia Garner, U.S. Bureau of Labor Statistics  
Juan Munoz, U.S. Bureau of Labor Statistics  
Laryssa Mykyta, University of Texas-Rio Grande Valley  
Trudi Renwick, U.S. Census Bureau

### **Predicting the Effect of Adding a Citizenship Question to the 2020 Census**

J. David Brown, U.S. Census Bureau  
Misty Heggeness, U.S. Census Bureau  
Suzanne M. Dorinski, U.S. Census Bureau  
Lawrence Warren, U.S. Census Bureau  
Moises Yi, U.S. Census Bureau

### **Quantifying the Impact of AI on Productivity and Labor Demand: Evidence From United States Census Microdata**

Dean Alderucci, Carnegie Mellon University  
Lee Branstetter, Carnegie Mellon University  
Ed Hovy, Carnegie Mellon University  
Andrew Runge, Carnegie Mellon University  
Nicolas Zolas, U.S. Census Bureau

### **Synergizing Ventures**

Ufuk Akcigit, University of Chicago  
Emin Dinlersoz, U.S. Census Bureau  
Jeremy Greenwood, University of Pennsylvania  
Veronika Penciakova, University of Maryland

### **Teacher Quality Signaling From Applications and Screening: Evidence From Linked Administrative Records**

Emily K. Penner, University of California-Irvine  
Quentin Brummet, NORC at the University of Chicago  
Sonya Porter, U.S. Census Bureau  
Nikolas Pharris-Ciurej, U.S. Census Bureau