

Center for Administrative Records Research and Applications

Mission: CARRA is charged with the strategic re-use of administrative data from federal, state, and third party providers. Through record linkage and statistical matching, we enhance Census Bureau operations and extend demographic and socioeconomic research capabilities.

CARRA demonstrates how administrative records data can advance the mission of the Census Bureau by making operations more efficient, improving data quality, reducing data collection and processing costs, and reducing respondent burden. We combine information from multiple sources to create new data products that would be impossible to produce using single data sets.

CARRA researchers collaborate with social scientists within the Census Bureau, from other federal agencies, and from academia. We pursue research in many areas including:

- Demographic characteristics and racial identification and fluidity
- Income distribution and tax analyses
- Social and economic mobility
- Economics of education and crime
- Food stamps, Medicaid, and other program participation
- Home values and housing assistance programs
- Record linkage and Big Data
- Planning the 2020 Census of Population and Housing

Selected Recent Presentations

Total Survey Error Conference, September 2015

- Noon, James. Response Error and the Medicaid Undercount in the Current Population Survey.
- Luque, Adela. The Nature of the Bias When Studying Only Linkable Person Records: Evidence from the American Community Survey.
- Massey, Catherine. Coverage of Children in Administrative Records and Census Data.
- Jones, Maggie R. Assessing the Effect of the Tipped Minimum Wage using W-2 Data.
- Ennis, Sharon. When Race and Hispanic Origin Reporting are Discrepant Across Administrative Records Sources: Exploring Methods to Assign Responses.
- Bhaskar, Renuka. Medicare Coverage and Reporting of the Elderly Population: A Comparison of CPS and Administrative Records.

American University, September 2015

- Brummet, Quentin. The Effect of Low-Income Housing on Neighborhood Mobility: Evidence from Linked Microdata.

Social and Decision Analytics Laboratory, September 2015

- O'Hara, Amy. Linking Administrative Records at the U.S. Census Bureau.

National Association of Welfare Research and Statistics Conference, August 2015

- Rastogi, Sonya. Record Linkage Between Administrative Records and Surveys: Understanding Program Participation, Eligibility, and the Safety Net.

Econometric Society World Congress, August 2015

- Brummet, Quentin. Estimation and Inference in Regression Discontinuity Designs with Clustered Sampling.

Joint Statistical Meetings, August 2015

- O'Hara, Amy. Exploring Mobility with Survey and Tax Data.

European Survey Research Association, July 2015

- Brummet, Quentin. Record Linkage of Survey, Administrative, and Commercial Housing Data: Challenges and Potential Solutions.

National Bureau of Economic Research/Conference on Research on Income and Wealth, July 2015

- Jones, Maggie R. The Employment Effects of Tipped Minimum Wages.

Society of Labor Economists/European Association of Labor Economists, June 2015

- Jones, Maggie R. The Employment Effects of Tipped Minimum Wages.
- Harris, Benjamin C. Local Labor Demand and Program Participation Dynamics: Evidence from New York SNAP Administrative Records.

Population Association of America, May 2015

- Leach, Mark. Recent Innovations in the U.S. Census Bureau's Method of Estimating Foreign-Born Emigration.
- Rastogi, Sonya (organizer/session chair). Measurement Issues in Race, Ethnicity, Gender, and Sexuality.
- Ennis, Sharon. When Race and Hispanic Origin Reporting are Discrepant Across Administrative Records Sources: Exploring Methods to Assign One Response.
- Bhaskar, Renuka. Assimilation and Coverage of the Foreign-Born Population in Administrative Records.
- Massey, Catherine. Creating a Longitudinal Infrastructure at the Census Bureau.

National Tax Association Spring Symposium, May 2015

- Jones, Maggie R. Refund Anticipation Loans and Checks: The Impact of State-level Policies.

American Tax Policy Institute, April 2015

- Jones, Maggie R. and Amy O'Hara. Do Doubled-up Families Minimize Household-level Tax Burden?

The Urban Institute, March 2015

- Brummet, Quentin. Long-Run Effects of School Entry Age in the United States: Evidence Using Exact Date of Birth.

Association for Education Finance and Policy, February 2015

- Brummet, Quentin. Long-Run Effects of School Entry Age in the United States: Evidence Using Exact Date of Birth.

Stanford, Center on Poverty & Inequality Brown Bag, January 2015

- Massey, Catherine. Creating a Longitudinal Infrastructure at the Census Bureau.

Association for Public Policy Analysis and Management, November 2014

- Brummet, Quentin. The Effect of School Racial Composition on Residential Segregation: Evidence from the End of School Desegregation.
- Harris, Benjamin C. Within and Across County Variation in SNAP Misreporting: Evidence from Linked ACS and Administrative Records.

Midwest Econometrics Group, September 2014

- Bartalotti, Otávio and Quentin Brummet. Optimal Bandwidth Selection in the Regression Discontinuity Design with Clustered Sampling.

American Sociological Association, August 2014

- Fernandez, Leticia, Sonya Rastogi, Renuka Bhaskar, and Sharon Ennis. Changes in Hispanic Origin Identification between Census 2000, 2010 Census and the American Community Surveys.
- Liebler, Carolyn, Renuka Bhaskar, and Sonya Rastogi. Occasionally American Indian: Joining, Leaving, and Staying in the American Indian/Alaska Native Race Category between 2000 and 2010.
- Liebler, Carolyn, Sonya Rastogi, Leticia Fernandez, James Noon and Sharon Ennis. America's Churning Races: Race Response Changes between Census 2000 and Census 2010.

Western Economic Association, June 2014

- Massey, Catherine. Linking Across Censuses and Administrative Records.

Russell Sage Conference, Measuring the Diverging Components of Race in Multiracial America, June 2014

- Rastogi, Sonya, Carolyn Liebler, and James Noon. An Outside View: What Do Observers Say about Others' Races and Hispanic Origins?

IRS Tax Policy Center Research Conference, June 2014

- Jones, Maggie R. and Amy O'Hara. Do Doubled-Up Families Minimize Household-Level Tax Burden?

North American Summer Meetings of the Econometric Society, June 2014

- Bartalotti, Otávio and Quentin Brummet. Optimal Bandwidth Selection in the Regression Discontinuity Design with Clustered Sampling.

Population Association of America, May 2014

- Harris, Benjamin. Estimating the US Transgender Population Using Administrative Records.
- Jones, Maggie R. The EITC over the Great Recession: Who Benefits?
- Liebler, Carolyn, Renuka Bhaskar, and Sonya Rastogi. Occasionally American Indian: Joining, Leaving, and Staying in the American Indian/Alaska Native Race Category between 2000 and 2010.
- Liebler, Carolyn, Sonya Rastogi, Leticia Fernandez, James Noon and Sharon Ennis. America's Churning Races: Race Response Changes between Census 2000 and Census 2010.
- Noon, James, Sonya Rastogi, and Leticia Fernandez. Measurement Error and the Medicaid Undercount in the 2009 Current Population Survey.
- O'Hara, Brett, Robin Anderson, Renuka Bhaskar, Trent Alexander, and Sonya Rastogi. Health Insurance Coverage of American Indians and Alaska Natives in Federal Tribal Areas.
- O'Hara, Amy, Maggie R. Jones, and Ben Harris. Multiple Program Participation: Evidence from SNAP and EITC Administrative Records Linked to the ACS.
- Rastogi, Sonya. Administrative Records Overview.

Society of Labor Economists, May 2014

- Harris, Benjamin. The Transgender Wage and Employment Gap.

American Association for Public Opinion Research, May 2014

- O'Hara, Amy. Big Data.
- Rastogi, Sonya, Leticia Fernandez, James Noon, and Renuka Bhaskar. Evaluating Race and Hispanic Origin in Administrative Records Relative to the 2010 Census and 2010 American Community Survey.

Welfare Research and Evaluation Conference, May 2014

- Harris, Benjamin. Veterans' SNAP Eligibility and Participation During the Great Recession: Administrative Records and the ACS.

Eastern Economic Association, March 2014

- Harris, Benjamin. The Transgender Wage and Employment Gap.
- Luque, Adela, Ron Jarmin, and CJ Krizan. The Minority-Owned Business Performance Gap: The Role of Firm Age.

Association for Education Finance and Policy, March 2014

- Brummet, Quentin. Residential Sorting Responses to the End of School Desegregation: Evidence from Linked Micro-Data.

American Economic Association, January 2014

- Jones, Maggie R. The EITC over the Great Recession: Who Benefits?

Association for Public Policy Analysis and Management, November 2013

- Jones, Maggie R. The EITC over the Great Recession: Who Benefits?

Selected Recent Publications

Alix-Garcia, Jennifer and Benjamin Cerf Harris. 2014. "Inequality, Community Participation, and the Allocation of Collective Profits." *Economics and Politics*. 26(2): 285-308.

Bean, Frank D., James D. Bachmeier, Susan K. Brown, Jennifer Van Hook, and Mark A. Leach. 2014. "Unauthorized Mexican Migration and the Socioeconomic Integration of Mexican Americans." In *Diversity and Disparities: America Enters a New Century*, edited by John Logan. New York: Russel Sage Foundation.

Berlin, Ivan, Jahn K. Hakes, Mei-Chen Hu, and Lirio S. Covey. 2015. "Tobacco Use and Suicide Attempt: Longitudinal Analysis with Retrospective Reports." *PLoS ONE*. 10(4).

Brummet, Quentin. 2014. "The Effect of School Closings on Student Achievement." *Journal of Public Economics*. 119: 108-124.

Brummet, Quentin, Seth Gershenson, and Michael S. Hayes. "Self-Contained Classroom Teacher Reassignments: Evidence from Michigan." *Educational Policy*. Forthcoming.

Coady, Sean A., Norman J. Johnson, Jahn K. Hakes, and Paul D. Sorlie. 2014. "Individual education, area income, and mortality and recurrence of myocardial infarction in a Medicare cohort: the National Longitudinal Mortality Study." *BMC Public Health*. 14: 705.

Cogle, Jesse R., Jahn K. Hakes, Richard J. Macatee, Jesus Chavarria, and Michael J. Zvolensky. 2015. "Quality of life and risk of psychiatric disorders among regular users of Alcohol, Nicotine, and Cannabis: An analysis of the National Epidemiological Survey on Alcohol and Related Conditions (NESARC)." *Journal of Psychiatric Research*. 66-67: 135-141.

Cogle, Jesse R., Jahn K. Hakes, Richard Macatee, M. J. Zvolensky, and J. Chavarria. (2015). "Probability and Correlates of Dependence Among Regular Users of Alcohol, Nicotene, Cannabis, and Cocaine: Concurrent and Prospective Analyses of the National Epidemiologic Survey on Alcohol and Related Conditions (NESARC)." *Journal of Clinical Psychiatry*. Forthcoming.

Cowlshaw, Sean, and Jahn K. Hakes. 2015. "Pathological and problem gambling in substance use treatment: Results from the National Epidemiological Survey on Alcohol and Related Conditions (NESARC)" *American Journal on Addictions*. 24(5): 467-474.

Daly, Marc C., Daniel J. Wilson, and Norman J. Johnson. 2013. "Relative Status and Well-Being: Evidence from U.S. Suicide Deaths." *Review of Economics and Statistics*. 95: 1480-1500.

Lahey, Benjamin B., David H. Zald, Jahn K. Hakes, Robert F. Krueger, and Paul J. Rathouz. 2014. "Patterns of Heterotypic Continuity Associated With the Cross-Sectional Correlational Structure of Prevalent Mental Disorders in Adults." *JAMA Psychiatry*. 71(9): 989-996.

Leach, Mark A. 2014. "A Burden of Support? Household Living Arrangements and Economic Resources Among Mexican Immigrant Families with Children." *Journal of Family Issues* 35(1): 28-53.

Jim, Melissa A., Elizabeth Arias, Dean S. Seneca, Megan J. Hoopes, Cheyenne C. Jim, Norman J. Johnson, and Charles L. Wiggins. 2014. "Racial Misclassification of American Indians and Alaska Natives by Indian Health Service Contract Health Service Delivery Area." *American Journal of Public Health*. 104(S3): S295-S302.

Johnson, David S., Catherine Massey, and Amy O'Hara. 2015. "The Opportunities and Challenges of Using Administrative Data Linkages to Evaluate Mobility." *The ANNALS of the American Academy of Political and Social Science*. 657(1): 247-264.

Porter, Sonya R., Carolyn A. Leibler, and James M. Noon. 2015. "An Outside View: What Observers Say About Others' Races and Hispanic Origins." *American Behavioral Scientist*. Forthcoming.

Roberts, Andrea, Norman J. Johnson, Merit Cudkowicz, Ki-Do Eum, Marc Weiskopf. 2015. "Job-related formaldehyde exposure and ALS mortality in the USA." *Journal of Neurology, Neurosurgery & Psychiatry*. Forthcoming.

Schepisa, Ty S. and Jahn K. Hakes. 2014. "The Association between Nonmedical Use of Prescription Medication Status and Change in Health-Related Quality of Life: Results from a Nationally Representative Survey." *Drug and Alcohol Dependence*. 142: 161-167.

Scherpf, Erik, Constance Newman, and Mark Prell. 2014. "Targeting of Supplemental Nutrition Assistance Program Benefits: Evidence from the ACS and NY SNAP Administrative Records." *Agricultural and Applied Economics Association 2014 Annual Meeting Proceedings*.