

Jonathan (JD) Daw

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University Park, PA 16802

APPOINTMENTS AND EDUCATION

2020- Associate Professor of Sociology and Demography. Pennsylvania State University.
2015-20 Assistant Professor of Sociology and Demography. Pennsylvania State University
2014-5 Assistant Professor of Sociology. University of Alabama-Birmingham
2011-3 Postdoctoral Researcher. Institute of Behavioral Science and Institute for Behavioral Genetics, University of Colorado-Boulder
2005-11 Ph.D. and M.A. in Sociology. University of North Carolina–Chapel Hill
2001-5 B.A. in Sociology and Government. University of Texas-Austin

RESEARCH INTERESTS

Health & Health Disparities, Kidney Disease & Transplantation, Demography, Social and Kinship Networks, Quantitative Methodology, Gene-Environment Interplay, Social Stratification

PEER-REVIEWED PUBLICATIONS

* *Indicates equality of contribution*

† *Indicates graduate student co-author*

2021 Evans, Megan; **Jonathan Daw**; and S. Michael Gaddis. “The Generational Boundaries of Educational Advantage: Does Great-Grandparent Educational Attainment Predict Great-Grandchild Early Academic Achievement?” *Socius*.
<https://doi.org/10.1177/23780231211060573>

Ortiz, Selena E.; Ashton M. Verdery; and **Jonathan Daw**. “Racial/Ethnic and Prior Willingness Disparities in Potential Living Kidney Donors’ Self-Assessed Responses to Advancing American Kidney Health Regulation.” *BMC Public Health* 21:1971.
<https://doi.org/10.1186/s12889-021-12023-w>

Surachman, Agus; Alexis Santos; **Jonathan Daw**; Lacy Alexander; Christopher Coe; and David Almeida. 2020. “Life Course Pathways From Childhood SES to Age-Related Declines in Kidney Function Across Adulthood.” *Psychoneuroendocrinology* 131:105291.
<https://doi.org/10.1016/j.psyneuen.2021.105291>

2020 Patterson, Sarah E.; Ashton M. Verdery; and **Jonathan Daw**. “Linked Lives and Childhood Experience of Family Death on Educational Attainment.” *Socius* 6:1-17.
<https://doi.org/10.1177/2378023120975594>

Verdery, Ashton M.; Emily Smith-Greenway; Rachel Margolis; and **Jonathan Daw**. “Tracking the Reach of COVID-19 Kin Loss with a Bereavement Multiplier Applied to the United States.” *Proceedings of the National Academies of Sciences* 117:30:17695-17701.
<http://www.pnas.org/cgi/doi/10.1073/pnas.2007476117>

- Surachman, Agus; **Jonathan Daw**; Bethany Bray; Lacy Alexander; Christopher Coe; and David M. Almeida. "Childhood Socioeconomic Status, Comorbidity of Chronic Kidney Disease Risk Factors, and Kidney Function Among Adults in the Midlife in the United States (MIDUS) Study." *BMC Nephrology* 21:188. <https://doi.org/10.1186/s12882-020-01846-1>
- Daw, Jonathan**; S. Michael Gaddis; and Anne R. Morse†. "3Ms of 3G: Testing Three Mechanisms of Three-Generational Educational Mobility in the U. S." *Research in Social Stratification and Mobility* 66:100481. <https://doi.org/10.1016/j.rssm.2020.100481>
- 2019 **Daw, Jonathan**; Alexander Chapman†; and Megan Evans†. "What Can Sociogenomics Learn from *Social by Nature*? A Review of *Social by Nature*, by Catherine Bliss" *Biodemography & Social Biology* 64:3-4:237-250. <https://doi.org/10.1080/19485565.2019.1597622>
- Daw, Jonathan**; Ashton M. Verdery; and Sarah E. Patterson†. "Beyond Household Walls: The Spatial Structure of American Kinship Networks." *Mathematical Population Studies* 26:4:208-237. <https://doi.org/10.1080/08898480.2019.1592637>
- Hardie, Jessica Halliday; **Jonathan Daw**; and S. Michael Gaddis. "Job Characteristics, Job Preferences, and Physical and Mental Health in Later Life." *Socius* Vol. 5. <https://doi.org/10.1177/2378023119836003>.
- 2018 Santos-Lozada, Alexis R.; and **Daw, Jonathan**. "The Contribution of Three Dimensions of Allostatic Load to Racial/Ethnic Disparities in Poor/Fair Self-Rated Health." *SSM-Population Health* 4:55-65. <https://doi.org/10.1016/j.ssmph.2017.11.007>
- 2017 **Daw, Jonathan**; Rachel Margolis; and Laura Wright†. "Emerging Adulthood, Emergent Health Lifestyles: Sociodemographic Determinants of Trajectories of Smoking, Binge Drinking, Obesity, and Sedentary Behavior." *Journal of Health and Social Behavior* 58:2:181-197. <https://doi.org/10.1177/0022146517702421>
- Daw, Jonathan**. "Contribution of Four Comorbid Conditions to Racial/Ethnic Disparities in Mortality Risk." *American Journal of Preventive Medicine* 52:1:S1:S95-S102. <https://doi.org/10.1016/j.amepre.2016.07.036>
- 2016 **Daw, Jonathan**; Ashton M. Verdery; and Rachel Margolis. "Kin Count(s): Educational and Racial Differences in Extended Kinship in the United States." *Population & Development Review* 42:3:491-517. <https://doi.org/10.1111/j.1728-4457.2016.00150.x>
- 2015 Pampel, Fred C.; Jason D. Boardman; **Jonathan Daw**; Michael C. Stallings; Andrew Smolen; Brett Haberstick; Keith F. Widaman; Tricia K. Nepl; and Rand C. Conger. "Life Events, Genetic Susceptibility, and Smoking among Adolescents." *Social Science Research* 54:221-232. <https://doi.org/10.1016/j.ssresearch.2015.08.001>
- Daw, Jonathan**; Guang Guo; and Kathleen Mullan Harris. "Nurture Net of Nature: Re-Evaluating the Role of Shared Environments in Academic Achievement and Verbal Intelligence." *Social Science Research* 52:422-439. <https://doi.org/10.1016/j.ssresearch.2015.02.011>

- Daw, Jonathan.** “Explaining the Persistence of Health Disparities: Social Stratification and the Efficiency-Equity Tradeoff in the Kidney Transplantation System.” *American Journal of Sociology* 120:6:1595-1640. <https://doi.org/10.1086/681961>
- *Winner of the Pennsylvania State University College of Liberal Arts Roy C. Buck award (for the best social science paper published in a refereed journal within the last year)*
- Boardman, Jason D.; Ben W. Domingue; and **Jonathan Daw.** “What Can Genes Tell Us about the Causal Relationship between Education and Health?” *Social Science & Medicine* 127:171-180. <https://doi.org/10.1016/j.socscimed.2014.08.001>
- Daw, Jonathan;** Rachel Margolis; and Ashton Verdery. “Siblings, Friends, Course-mates, Club-mates: How Adolescent Health Behavior Homophily Varies by Race, Class, Gender, and Health Status.” *Social Science & Medicine* 125:32-39. <https://doi.org/10.1016/j.socscimed.2014.02.047>
- 2014 **Daw, Jonathan;** and Jason D. Boardman. “The Long Arm of Adolescence: School Health Behavioral Environments, Tobacco and Alcohol Co-Use, and the *5HTTLPR* Gene.” *Biodemography and Social Biology* 60:2:117-136. <https://doi.org/10.1080/19485565.2014.946590>
- Daw, Jonathan;** Jason D. Boardman; Rachel Peterson⁷; Andrew Smolen; Brett C. Haberstick; Marissa A. Ehringer; Susan T. Ennett; and Vangie A. Foshee. “The Interactive Effect of Neighborhood Peer Cigarette Use and *5HTTLPR* Genotype on Individual Cigarette Use.” *Addictive Behaviors* 39:12:1804-1810. <https://doi.org/10.1016/j.addbeh.2014.07.014>
- Daw, Jonathan.** “Of Kin and Kidneys: Do Kinship Networks Contribute to Racial Disparities in Living Donor Kidney Transplantation?” *Social Science & Medicine* 104:42-47. <https://doi.org/10.1016/j.socscimed.2013.11.043>
- 2013 Boardman, Jason D.; **Jonathan Daw;** and Jeremy Freese. “Defining the Environment in Gene-Environment Research: Lessons from Social Epidemiology.” *American Journal of Public Health* 103:S1:S64-72. <https://doi.org/10.2105/AJPH.2013.301355>
- Daw, Jonathan;** Kathryn Nowotny⁷; and Jason D. Boardman. “Changing Patterns of Tobacco and Alcohol Co-Use by Gender in the United States, 1976-2010.” *Demographic Research* 28:22:637-648. <https://dx.doi.org/10.4054/DemRes.2013.28.22>
- Daw, Jonathan;** Michael Shanahan; Kathleen Mullan Harris; Andrew Smolen; Brett Haberstick; and Jason D. Boardman. “Genetic Sensitivity to Peer Behaviors: *5HTTLPR*, Smoking, and Alcohol Consumption.” *Journal of Health and Social Behavior* 54:1:92-108. <https://doi.org/10.1177/0022146512468591>
- 2012 **Daw, Jonathan.** “Understanding Social Inequality in the Kidney Transplantation System.” *Sociology Compass* 6:12:998-110. <https://doi.org/10.1111/j.1751-9020.2012.00497.x>
- Daw, Jonathan*;** and Jessica Halliday Hardie*. “Compensating Differentials, Labor Market Segmentation, and Wage Inequality.” *Social Science Research* 41:5:1179-1197. <https://doi.org/10.1016/j.ssresearch.2012.05.009>
- Daw, Jonathan.** “Parental Income and the Fruits of Labor: Variability in Homework Efficacy in Secondary School.” *Research in Social Stratification and Mobility* 30:3:246-264. <https://doi.org/10.1016/j.rssm.2012.01.004>

- Adkins, Daniel E.; **Jonathan K. Daw**; Joseph L. McClay; and Edwin J.C.G. van den Oord. "The Influence of Five Monoamine Genes on Trajectories of Depressive Symptoms across Adolescence and Young Adulthood." *Development and Psychopathology* 24:1:267-285. <https://doi.org/10.1017/S0954579411000824>
- 2011 **Daw, Jonathan***; and Guang Guo*. "The Influence of Three Genes on Whether Adolescents Use Contraception, USA 1994-2002." *Population Studies* 65:3:253-271. <https://doi.org/10.1080/00324728.2011.598942>
- 2009 Guo, Guang; Jessica Halliday Hardie; Craig Owen; **Jonathan K. Daw**; Yilan Fu; Hedwig Lee; Amy Lucas; Emily McKendry-Smith; and Greg J. Duncan. "DNA Collection in a Randomized Social Science Study of College Peer Effects." *Sociological Methodology* 39:1-29. <https://doi.org/10.1111/j.1467-9531.2009.01214.x>

OTHER PUBLICATIONS

- 2017 Verdery, Ashton M.; **Jonathan Daw**; Colin Campbell; and Rachel Margolis. "Family Transfers with Retirement-Aged Adults in the United States: Kin Availability, Wealth Differentials, Geographic Proximity, Gender, and Racial Disparities." Boston College Center for Retirement Research Working Paper 2017-9. https://crr.bc.edu/wp-content/uploads/2017/08/wp_2017-9-1.pdf
- 2015 **Daw, Jonathan**; and Jason D. Boardman. "Gene-Environment Interplay." Invited contribution to the *International Encyclopedia of Social and Behavioral Sciences*, 2nd Ed. James Wright, Ed. <https://doi.org/10.1016/B978-0-08-097086-8.31025-X>
- 2008 Guo, Guang; and **Jonathan K. Daw**. "Genetic Sources of Reading Disability and a Proposal to Use NLSY-Children to Study Genetic and Environmental Influences on Reading Disability. In Booth, ed., *Early Disparities in School Readiness: How do Families Contribute to Successful and Unsuccessful Transitions in School?*

PAPERS UNDER REVIEW AND REVISION

- Gillespie, Avrum; **Jonathan Daw**; Riley Brown; Jamie Cappiello; Edward L. Fink; Heather M. Gardiner; Peter P. Reese; Crystal Gadegbeku; and Zoran Obradovic. "Casting a Wide Net: A Hemodialysis Patient Social Network Analysis of Network Members who Offer to be Living Donors."
- Daw, Jonathan**; and Ashton M. Verdery. "Roles, Relationships, Resources, and Renal Exchange: Applying Social Capital Theory to Role Effects on Living Kidney Donation Behaviors."
- Daw, Jonathan**. "The Ties that Transplant: The Social Network Determinants of the Living Kidney Donor Relationship Distribution."
- Daw, Jonathan**; Mary Roberts;† Tanjala Purnell; Avrum Gillespie; and Ashton Verdery. "Do African Americans Have Lesser Access to Potential Living Donors than Whites? Testing the Differential Access Hypothesis."

Daw, Jonathan; Ashton M. Verdery; Selena E. Ortiz; Rhiannon Deierhoi Reed; Jayme E. Locke; Robert R. Redfield; David Kloda; Michel Liu; Heather Mentsch; Deirdre Sawinski; Diego Aguilar; Nathaniel D. Porter; Katie McIntyre; and Peter P. Reese. “Social Network Interventions to Reduce Race Disparities in Living Kidney Donation: Design and Rationale of the Friends and Family of Kidney Transplant Patients Study (FFKTPS).”

PAPERS IN PROGRESS

Mary Roberts;[†] and **Jonathan Daw.** “Who Asks Matters: The Determinants and Consequences of Living Donor Discussion Initiation Direction.”

Daw, Jonathan. “Trends in the Relationships of Living Kidney Donors to Recipients, 1995-2021.”

Daw, Jonathan. “Population Trends in Common Medical Contraindications for Living Kidney Donation, 1999-2018.”

FUNDED GRANTS

2022-26 **Daw, Jonathan** (Principal Investigator); Selena E. Ortiz; Lea Pessin; Alexis Santos-Lozada; Guangqing Chi; Tanjala Purnell; Patricia Homan; Avrum Gillespie; Andrea Corradi; Tyson H. Brown; Jeah Jung; Agus Surachman; and Nicola Barban. “The Impact of Structural Racism on Racial/Ethnic Disparities in End-Stage Kidney Disease from Healthy Population to Mortality.” NIDDK R01, \$2,646,872.

2022 **Daw, Jonathan** (site Principal Investigator), Niki Von Lockette, Jessica Halliday Hardie (Project Principal Investigator), and Frank Heiland. “Work, Race, and Health: How Work Contexts Shape Racial/Ethnic Disparities in Mortality.” Pennsylvania State University Population Research Institute Seed Grant. \$25,313.

2021 **Daw, Jonathan** (Principal Investigator), Ashton Verdery (Investigator), and Selena Ortiz (Investigator). “Administrative Support for “Social Network Interventions to Reduce Race Disparities in Living Kidney Donation” Project.” Social Science Research Institute, Pennsylvania State University. \$25,000.

2020 **Daw, Jonathan** (Principal Investigator), and Andrea Corradi. Pennsylvania State University Population Research Institute Seed Grant. “The Social Determinants of Racial/Ethnic Disparities in Chronic Kidney Disease and End-Stage Renal Disease Development, Treatment, and Progression.” \$10,000.

2017-22 **Daw, Jonathan** (Principal Investigator), Ashton Verdery (Investigator), Selena Ortiz (Investigator), Jayme E. Locke (Investigator), Peter P. Reese (Investigator), and Deirdre Sawinski (Investigator). “Social Network Interventions to Reduce Race Disparities in Living Kidney Donation.” NIDDK R01, \$1,204,932.

2016 Verdery, Ashton (Principal Investigator), **Jonathan Daw** (Co-Principal Investigator), Rachel Margolis (Consultant), Colin Campbell (Consultant). “Do kin availability, geographic proximity, and gender composition contribute to racial differences in retirees’ family exchanges?” Steven H. Sandell Grant, Center for Retirement Research at Boston College. \$45,000.

- 2015 **Daw, Jonathan** (Principal Investigator). Pennsylvania State University Population Research Institute Seed Grant. “Support for Writing Career Development Grants to Study the Integration of the Social Determinants of Health, Gene-Environment Interplay, and Immunological Research.” \$7,500.
- 2015 **Daw, Jonathan** (Principal Investigator). Mid-South Transdisciplinary Collaborative Center for Health Disparities Research Grant for Secondary Data Analysis on Social Determinants of Obesity and Related Chronic Diseases. “The Role of Behavioral, Family, and Community Effects on Racial/Ethnic Disparities in Comorbidity in Obesity, Chronic Kidney Disease, Diabetes, Hypertension, and All-Cause Mortality.” \$25,525.
- 2014-5 **Daw, Jonathan** (Principal Investigator), and Ashton Verdery (Consultant). Arnold G. Diethelm Research Acceleration Grant, UAB Comprehensive Transplant Institute. “The Role of Social and Kinship Network Processes in Racial Disparities in Living Donor Kidney Transplantation.” \$46,553.
- 2014 **Daw, Jonathan** (Principal Investigator). University of Colorado Population Center Pilot Research Grant, “Continuing to Make the Most of the Panel Study of Income Dynamics: Demographic Investigations of Kinship Patterns in Cause of Death, College Selectivity, and Spatial Relationships.” \$1,000.
- 2013 **Daw, Jonathan** (Principal Investigator). University of Colorado Population Center Pilot Research Grant, “Demographic Investigations of Kinship Patterns in Cause of Death, Household Integration, and Kinship Dynamics of College Selectivity.” \$1,500.

NON-FUNDED GRANTS

- 2021 Administrative Supplement to “Social Network Interventions to Reduce Race Disparities in Living Kidney Donation.” \$219,500. NIDDK.
- 2018 Cleveland, H. Harrington (Principal Investigator); David J. Vandenberg (Principal Investigator); **Jonathan Daw** (Investigator); Mark E. Feinberg (Investigator); Eric J. Nestler (Consultant); Michael Russell (Investigator); Gabriel Schlomer (Investigator). NIH R01 Grant. \$2,631,971.
- 2016 Brandon G. Wagner (Principal Investigator) and **Jonathan Daw** (Investigator). “Do Gene-Environment Interactions Explain Racial Disparities in Social Mobility Consequences?” Russell Sage Foundation. \$144,741.
- 2014 Jacob Cheadle (Principal Investigator), **Jonathan Daw**, and Jeffrey Smith (Co-Investigators). “The Contribution of Kidney Allocation Policies to Social Disparities in Kidney Transplantation: A Systems-Based Network Science Approach.” R21, \$434,341.

RECENT PROFESSIONAL CONFERENCE PRESENTATIONS

The Ties that Transplant.

- 2022: American Transplant Congress.

- Testing the Differential Access Hypothesis: Do Black Kidney Transplant Candidates Have Social Network Access to Fewer Potential Living Donors than White Candidates? With Mary Roberts, Avrum Gillespie, Ashton M. Verdery, and Tanjala S. Purnell.
- 2022: American Transplant Congress.

- Evans, Megan; Jonathan Daw; and S. Michael Gaddis. “The Generational Boundaries of Educational Advantage: Does Great-Grandparent Educational Attainment Predict Great-Grandchild Early Academic Achievement?”
- 2021: Annual Meeting of the Population Association of America

- The Effect of Proposed Regulation to Decrease Financial Burden Associated with 2020 Living Donor Kidney Transplant on Potential Kidney Donor Willingness
- 2020: American Public Health Association Annual Meeting & Expo

- Reasons to Donate: A Mixed-Methods Experimental Vignette Study of Willingness to Become a Living Kidney Donor. With Ashton M. Verdery; Selena E. Ortiz; Nathaniel Porter; Anne Roback Morse; Janet Novack; and Diego Aguilar.
- 2019: Annual Meeting of the Population Association of America.

- The Combined Influences of Parental, Spousal, and Individual Education on Current Smoking Behavior. With Elaine M. Hernandez and Mieke Beth Thomeer.
- 2018: Annual Meeting of the Population Association of America.

RECENT CHAIR, DISCUSSANT, PANELIST AT PROFESSIONAL CONFERENCES

- 2018 Session Organizer: Detailed Morbidities and Causes of Death: Cross-National Perspectives and Detailed Morbidities and Causes of Death: Creative Approaches, Underused Data Sources. Annual Meeting of the Population Association of America, Denver, CO.
- 2018 Discussant: Adolescent Risky Behaviors and Well-Being. Annual Meeting of the Population Association of America, Denver, CO.

INVITED AND NON-CONFERENCE PRESENTATIONS

- Living Donor Kidney Transplantation: Understanding Underutilization and Racial/Ethnic Disparities.
- 2021: Center for Health Care and Policy Research, Pennsylvania State University.
- Renal Relationships: Understanding Living Kidney Donor Relationship Patterns. With Ashton Verdery and Selena Ortiz.
- 2020: University of Utah Department of Sociology Seminar Series
 - 2019: University of Pennsylvania Medical Sociology Workshop Series
 - 2019: UCLA California Center for Population Research Seminar

Social Network Interventions to Reduce Race Disparities in Living Kidney Donation: Update. With Ashton Verdery and Selena Ortiz.

- 2022: Post-American Transplant Congress Investigators' Meeting. Boston, Massachusetts.
- 2021: Post-American Transplant Congress Investigators' Meeting. Online.
- 2020: Post-American Transplant Congress Investigators' Meeting. Online.
- 2019: Post-American Transplant Congress Investigators' Meeting. Boston, Massachusetts.
- 2018: Post-American Transplant Congress Investigators' Meeting. Seattle, Washington.

Finding a Living Kidney Donor: Preliminary Evidence. With Ashton Verdery and Selena Ortiz.

- 2018: Methodology Center, Pennsylvania State University.
- 2018: Population Research Institute Brown Bag Series, Pennsylvania State University.

MENTORSHIP

Committee Chair:

- Mary Roberts, M.A., Penn State
- Richard Gardner III, Ronald E. McNair Scholars and Undergraduate Senior Thesis, Penn State

Committee Member

- Kira England, M.A. and Ph.D., Penn State
- Carlyn Graham, Ph.D., Penn State
- Agus Surachman, Ph.D. (Human Development and Family Studies), Penn State
- Daniel Ramirez, Ph.D., Penn State
- Diego Aguilar, M.A., Penn State
- Barbara Hansen, Ph.D., UAB

COURSES TAUGHT

Pennsylvania State University:

- Introduction to Sociology (Undergraduate)
- Population and Policy Issues (Undergraduate)
- Research Methods in Sociology (Undergraduate)
- Social Demography (Undergraduate)
- Health, Disease, and Society (Undergraduate)
- Seminar in Biodemography (Graduate)

University of Alabama-Birmingham:

- Minority Health (Undergraduate)
- Introduction to Sociology (Undergraduate)
- Population Problems (Undergraduate)
- Biology & Society (Undergraduate)
- Race/Ethnicity and Health (Graduate)

University of North Carolina-Chapel Hill:

- Social Stratification (Undergraduate)
- Family and Society (Teaching Assistant, Undergraduate)
- Data Analysis in Social Research (Twice, Undergraduate)
- Race, Class, and Gender (Undergraduate)

SERVICE TO THE PROFESSION

Ad-Hoc Reviewer: *American Sociological Review*, *American Journal of Sociology*, *Social Forces*, *Demography*, *Journal of Health and Social Behavior*, *American Journal of Public Health*, *Social Science Research*, *Social Science & Medicine*, *Biodemography & Social Biology*, *Behavior Genetics*, *American Journal of Transplantation*, *Clinical Transplantation*, *Research in Social Stratification and Mobility*

Program Committee member, 2018 Annual Meeting of the Population Association of America

Editorial Board member, *Sociological Methodology*, 2019-21

Editorial Board member, *Journal of Health and Social Behavior*, 2022-4

Ad-Hoc NIDDK Study Section Reviewer, 2020-pres.

PROFESSIONAL AFFILIATIONS

American Sociological Association

Interdisciplinary Association for Population Health Science

Population Association of America