

# RYAN K. MASTERS

## CONTACT

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University of Colorado Boulder  
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## EDUCATION

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Ph.D. UNIVERSITY OF TEXAS AT AUSTIN, Sociology with Demography Specialization, 2011  
M.A. UNIVERSITY OF TEXAS AT AUSTIN, Department of Sociology, 2006  
B.S. WESTERN WASHINGTON UNIVERSITY, Department of Sociology, 2003  
B.A. WESTERN WASHINGTON UNIVERSITY, Department of Political Science, 2003

## PROFESSIONAL APPOINTMENTS

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### UNIVERSITY OF COLORADO BOULDER

2021 to present Associate Professor, Department of Sociology  
2013 to 2021 Assistant Professor, Department of Sociology

### COLUMBIA UNIVERSITY

2011 to 2013 Robert Wood Johnson Foundation Health and Society Scholar

## PROFESSIONAL AFFILIATIONS

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### UNIVERSITY OF COLORADO BOULDER

2021 to present Faculty Lead of Health Disparities and Behaviors Research Area and Member of Executive Committee, University of Colorado Population Center  
2018 to present Fellow, Institute of Behavioral Science  
2014 to present Faculty Associate, Population Program, Health & Society Program, Institute of Behavioral Science  
2014 to present Faculty Affiliate, University of Colorado Population Center

### COLUMBIA UNIVERSITY

2011 to 2013 Research Associate, Columbia Population Research Center  
2011 to 2013 Research Associate, Center for the Study of Social Inequalities & Health

## PEER-REVIEWED PUBLICATIONS

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2023 Masters, Ryan K., Andrea M. Tilstra,\* Daniel H. Simon,\* and Kate Coleman-Minahan. "Differences in Determinants: Racialized Obstetric Care and Increases in U.S. State Labor Induction Rates." *Journal of Health and Social Behavior* 64(2):174-91.  
<https://doi.org/10.1177/00221465231165284>

Simon, Daniel H.\* and Ryan K. Masters. "Institutional Failures as Structural Determinants of Suicide: The Opioid Epidemic and the Great Recession in the United States." *Journal of Health and Social Behavior*. Forthcoming.

Masters, Ryan K., Laudon Y. Aron, and Steven H. Woolf. "Life Expectancy Changes during the COVID-19 Pandemic, 2019-2021: Highly Racialized Deaths in Young and Middle Adulthood Distinguish the United States among High-Income Countries." *American Journal of Epidemiology*. Forthcoming. <https://doi.org/10.1093/aje/kwad180>

Masters, Ryan K. "Sources and Severity of Bias in Estimates of the BMI-Mortality Association." *Population Studies*. 77(1):35-53. <https://doi.org/10.1080/00324728.2023.2168035>

Masters, Ryan K., Andrea M. Tilstra,\* and Kate Coleman-Minahan. "Increases in Obstetric Interventions and Changes in Gestational Age Distributions of U.S. Births." *Journal of Women's Health*. 32(6):641-51. <https://doi.org/10.1089/jwh.2022.0167>

2022 Masters, Ryan K., Steven H. Woolf, and Laudan Y. Aron. "Age-specific Mortality during the 2020 COVID-19 Pandemic and Life Expectancy Changes in the United States and Peer Countries." *The Journals of Gerontology: Series B*, gbac028. <https://doi.org/10.1093/geronb/gbac028>

Woolf, Steven H., Ryan K. Masters, and Laudan Y. Aron. "Changes in Life Expectancy between 2019 and 2020 in the United States and 21 Peer Countries" *JAMA Network Open* 5(4):e227067. [doi:10.1001/jamanetworkopen.2022.7067](https://doi.org/10.1001/jamanetworkopen.2022.7067)

Masters, Ryan K. and Michael P. Young. "The Power of Religious Activism in Tocqueville's America: The Second Great Awakening and the Rise of Temperance and Abolitionism in New York State." *Social Science History* 46: 473-504. <https://doi.org/10.1017/ssh.2022.6>

2021 Woolf, Steven H., Ryan K. Masters, and Laudan Y. Aron. "Effect of the COVID-19 Pandemic in 2020 on Life Expectancy across Populations in the USA and other High-Income Countries: Simulations of Provisional Mortality Data." *The BMJ* 373: n1343. <https://doi.org/10.1136/bmj.n1343>

Tilstra, Andrea M.,\* Daniel H. Simon,\* and Ryan K. Masters. "Trends in 'Deaths of Despair' among Working Aged White and Black Americans, 1990-2017." *American Journal of Epidemiology*. 190 (9):1751-1759. <https://doi.org/10.1093/aje/kwab088>

Simon, Daniel H.\* and Ryan K. Masters. "Do Deaths of Despair Move Together? County level Mortality Changes by Sex and Urbanization, 1990-2017." *American Journal of Epidemiology* 190(6). <https://doi.org/10.1093/aje/kwab015>

2020 Pyrooz, David C., Ryan K. Masters, Jenn J. Tostlebe,\* and Rick G. Rogers. "Exceptional Mortality Risk among Police-identified Young Black Male Gang Members." *Preventative Medicine* 14:106269.

Tostlebe, Jenn J.,\* David C. Pyrooz, Rick G. Rogers, and Ryan K. Masters. "The National Death Index as a Source of Homicide Data: A Methodological Exposition of Promises and Pitfalls for Criminologists." *Homicide Studies* 25(1): 5-36.

Masters, Ryan K. and Daniel A. Powers. "Clarifying Assumptions in Age-Period-Cohort

Analyses and Validating Results.” *PLoS ONE* 15(10): e0238871.  
<https://doi.org/10.1371/journal.pone.0238871>

Tilstra, Andrea M.\* and Ryan K. Masters. “Worth the Weight? Recent Trends in Obstetric Practices, Gestational Age, and Birth Weight in the United States.” *Demography* 57(1): 99-121.

2019 Masters, Ryan K. and Eric N. Reither. “Accounting for Biases in Survey-based Estimates of Population Attributable Fractions.” *Population Health Metrics* 17(19)  
<https://doi.org/10.1186/s12963-019-0196-6>

2018 Masters, Ryan K. “Economic Conditions in Early Life and Circulatory Disease Mortality: Cohort Changes in a Life Course Mechanism of Health.” *Population and Development Review* 44(3): 519-553.

Wedow, Robbee\*, Ryan K. Masters, Stefanie Mollborn, Landon Schabel\*, and Jason Boardman. “Body Size Reference Norms and Subjective Weight Status: A Gender and Life Course Approach.” *Social Forces* 96(3): 1377-1409.

Masters, Ryan K., Andrea M. Tilstra\*, and Daniel H. Simon\*. “Explaining Recent Mortality Trends among Younger and Middle-aged U.S. White Americans.” *International Journal of Epidemiology* 47(1): 81-88.

2017 Masters, Ryan K., Andrea M. Tilstra\*, and Daniel H. Simon\*, “Mortality from Suicide, Chronic Liver Disease, and Drug Poisonings among Middle-aged U.S. White Men and Women, 1980-2013.” *Biodemography and Social Biology* 63(1): 31-37.

Muennig, Peter, Masters, Ryan K., Daniel Vail\*, and John Hakes. “The Effects of New York City’s Coordinated Public Health Programs on Mortality through 2011.” *International Journal of Epidemiology* 46(4): 1239-1248.

2016 Masters, Ryan K., Robert A. Hummer, Daniel A. Powers, Audrey Beck, Sam Lin, and Brian K. Finch. “Fitting Age-Period-Cohort Models Using the Intrinsic Estimator: Assumptions and Misapplications.” *Demography* 53(4): 1253-1259.

Nowotny, Kathryn M.\*, Ryan K. Masters and Jason D. Boardman. “The Relationship Between Education and Health among Incarcerated Men and Women in the United States.” *BMC Public Health*. 16(916).

Jeon, Sun Y.\*, Eric N. Reither, and Ryan K. Masters. “A Population-Based Analysis of Increasing Rates of Suicide Mortality in Japan and South Korea, 1985-2010.” *BMC Public Health*. 16(365).

2015 Reither, Eric N., Ryan K. Masters, Y. Claire Yang, Daniel A. Powers, Hui Zheng, and Ken C. Land. “Should Age-Period-Cohort Studies Return to the Methodologies of the 1970s?” *Social Science & Medicine* 128: 356-365.

Masters, Ryan K., Bruce G. Link and Jo C. Phelan. “Trends in Education Gradients of ‘Preventable’ Mortality: A Test of Fundamental Cause Theory” *Social Science & Medicine* 127: 19-28.

- 2014 Masters, Ryan K., Robert A. Hummer, Daniel A. Powers, Audrey N. Beck, Sam Lin, and Brian K. Finch. "Long-term Trends in Adult Mortality for U.S. Blacks and Whites: An Examination of Period- and Cohort-based Changes." *Demography* 51(6): 2047-2073.
- Beck, Audrey N., Brian K. Finch, Sam Lin, Robert A. Hummer and Ryan K. Masters. "Racial Disparities in Self-rated Health: Trends, Explanatory Factors, and the Changing Role of Socio-demographics." *Social Science & Medicine* 104:163-177.
- 2013 Masters, Ryan K., Eric N. Reither, Daniel A. Powers, Y. Claire Yang, Andrew Burger,\* and Bruce G. Link. "The Impact of Obesity on U.S. Mortality Levels: The Importance of Age and Cohort Factors in Population Estimates." *American Journal of Public Health* 103(10):1895-1901.
- Masters, Ryan K., Daniel A. Powers and Bruce G. Link. "Obesity and Mortality Risk over the Adult Life Course." *American Journal of Epidemiology* 177(5):431-442.
- 2012 Masters, Ryan K. "Uncrossing the U.S. Black-White Mortality Crossover: The Role of Cohort Forces in Life Course Mortality Risk." *Demography* 49(3):773-797.
- Masters, Ryan K., Robert A. Hummer and Daniel A. Powers. "Educational Differences in U.S. Adult Mortality: a Cohort Perspective." *American Sociological Review* 77(4):548-572.
- Ross, Catherine, Ryan K. Masters and Robert A. Hummer. "Education and the Gender Gaps in Health and Mortality." *Demography* 49(4): 1157-1183.
- Lin, Sam, Brian K. Finch, Audrey N. Beck, Robert A. Hummer and Ryan K. Masters. "Trends in U.S. Older Adult Disability: Exploring Age, Period, and Cohort Effects." *American Journal of Public Health* 102(11): 2157-2163.

\* Indicates student

#### PAPERS UNDER PEER REVIEW

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Masters, Ryan K. and Iliya Gutin. "Illustrating the Racialized Mortality Experiences of the U.S. COVID-19 Pandemic via Quarter-Year Changes in U.S. Life Expectancy, 2019-2022." Invited to resubmit revised manuscript to *Demography*.

Masters, Ryan K. "Generating Accurate Provisional Life Tables for U.S. Populations" Invited to resubmit revised manuscript to *Demography*.

Masters, Ryan K. and Daniel H. Simon. "Firearm Suicides Among Young Americans Increased Between 2019 and 2021."

Gutin, Iliya and Ryan K. Masters. "Conceptualizing 'Capacity for Population Health': Spatial Variation in Life Expectancy Trends in the United States and Peer Countries, 1980-2021."

#### COMMENTS, REPLIES, & EXCHANGES

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- 2021 Simon, Daniel A. and Ryan K. Masters. "Simon and Masters Respond to 'Do Small Cause-of-Death Correlations Throw into Question the Notion of a Collective 'Deaths of Despair' Phenomenon?'" *American Journal of Epidemiology* 190(6): 1175-1177.

- 2017 Masters, Ryan K., Eric N. Reither, Daniel A. Powers, Y. Claire Yang, and Bruce G. Link. "Masters et al. Respond" *American Journal of Epidemiology* 185(6): 412-413
- 2015 Reither, Eric N., Kenneth C. Land, Sun Y. Jeon, Daniel A. Powers, Ryan K. Masters, Hui Zheng, Melissa A. Hardy, Katherine M. Keyes, Qiang Fu, Heidi A. Hanson, Ken R. Smith, Rebecca L. Utz, and Y. Claire Yang. "Clarifying Hierarchical Age-Period-Cohort Models: A Rejoinder to Bell and Jones" *Social Science & Medicine* 145: 125-128.
- 2014 Masters, Ryan K., Eric N. Reither, Daniel A. Powers, Y. Claire Yang, Andrew Burger, and Bruce G. Link. Letters to the Editor, The Authors Reply, *American Journal of Public Health* 104(4): e5-e6.
- Masters, Ryan K., Daniel A. Powers and Bruce G. Link. "Letters to the Editor, The Authors Reply." *American Journal of Epidemiology*. 179(4):530-532.
- 2013 Masters, Ryan K., Daniel A. Powers and Bruce G. Link. "Letters to the Editor, The Authors Reply." *American Journal of Epidemiology* 178(2):321-323.

#### BOOK CHAPTERS, ESSAYS, & REPORTS

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- 2021 National Academies of Sciences, Engineering, and Medicine 2021. High and Rising Mortality Rates Among Working-Age Adults. Washington, DC: The National Academies Press.  
<https://doi.org/10.17226/25976>
- 2015 Yang, Y. Claire and Ryan K. Masters. "Period and Cohort Analysis in Demography." Chapter 23 in The International Encyclopedia of Social and Behavioral Sciences, 2<sup>nd</sup> Edition, Section on Demography, edited by James D. Wright. Elsevier Publishers.
- 2010 Hummer, Robert A., Richard G. Rogers, Ryan K. Masters, and Jarron Saint Onge. "Mortality Patterns in Late Life." Chapter 23 in International Handbook of Population Aging, edited by P. Uhlenberg. NY: Singer Publishers.
- 2009 Masters, Ryan K. Review of Environmental Change and Globalization: Double Exposures, by Robin Leichenko and Karen O'Brien. *Sociological Insight* 1(1):148-50.
- 2007 Masters, Ryan K. "Addressing the Changing Demography in the United States Through Education." Reinvention Center Conference Proceedings, Washington, D.C.

#### PAPERS IN PROGRESS

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Masters, Ryan K. "Trends in Drug Availability, Economic Distress, and Drug-related Mortality among U.S. White Men and Women, 1990 to 2019" (draft available)

Masters, Ryan K., Catherine Talbot.\* "Increases in Overweight and Obesity Prevalence and Changes in Disability-Free Survival in the United States." (draft available)

Masters, Ryan K., Tod Hamilton, and Robert A. Hummer. "Trends in Black Immigration and Increases in U.S. Black Life Expectancy, 1996 to 2019." (draft available)

Masters, Ryan K. and Iliya Gutin. "Spatial Variation in Life Expectancy Trends in the United States and Peer Countries, 1980-2020: the Impact of the COVID-19 Pandemic on Widening Differences."

Masters, Ryan K., Iliya Gutin, and Robert A. Hummer. "Nudged Into an Early Grave: How Lethal American Environments are Shaping Recent Trends in U.S. Life Expectancy."

Masters, Ryan K. "Immigration, Domestic Migration, and Life Expectancy Trends in U.S. States, 1990-2019."

Masters, Ryan K. "Changes in Obstetric Practices and Trends in Fetal Growth in the United States, 1990-2017."

Masters, Ryan K. and Sammy Zahran. "Does Obesity Really Reduce Mortality Risk in Older Age? Endogenous Selection Bias in the U.S. Obesity-Mortality Association" (draft available)

Truong-Vu, Kim-Phuong,\* Grace Nakajima,\* and Ryan K. Masters. "Changes in U.S. Parents' HPV Vaccine Hesitancy, 2008-2019: A Test of Fundamental Cause Theory."

## FUNDED RESEARCH

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### Current

Nudged Into an Early Grave: The Proliferation of American Lethal Environments and Increases in Adolescent and Young Adult Mortality in the United States

University of Colorado Population Center Seed Grant

Project Dates: 05/2022 – 05/2023

PI: Ryan K. Masters

### Under Review

Understanding the Racialized Experiences of COVID-19 Deaths in the United States: The Importance of State Policy Environments, Social Contexts, and Mistrust Throughout the Pandemic

University of Michigan

Social, Behavioral, & Economic COVID Coordinating Center

Project Dates: 3/2024 – 2/2025

PI: Ryan K. Masters

### In Progress

Nudged Into an Early Grave: The Proliferation of American Lethal Environments and Increases in Adolescent and Young Adult Mortality in the United States

Funding Opportunity: NOSI PA-20-185 (NICHD, R01)

Project Dates: 1/2025 – 12/31/2027 (6/2024 Submission)

PI: Ryan K. Masters

### Completed

Life Expectancy Trends among U.S. States and Peer Countries, 1980-2020: Estimating the Impact of the 2020 COVID-19 Pandemic on Widening Differences

Michigan Center on the Demography of Aging (MiCDA) Seed Grant

Project Dates: 05/2022 – 05/2023

PI: Iliya Gutin

Life Expectancy Trends among U.S. States and Peer Countries, 1990-2022: Estimating the Impact of the COVID-19 Pandemic on Widening Differences  
University of Colorado Population Center Seed Grant  
Project Dates: 05/2022 – 05/2023  
PI: Ryan K. Masters

Trends in C-Section and Induction Use among U.S. Births and Consequences for U.S. Birth Weight.  
Small Grants for Secondary Analyses of Existing Data Sets (R03), NICHD  
Project Dates: 09/2019 – 09/2022  
PI: Ryan K. Masters

Risk of Mortality among Gang Members. National Center for Health Statistics, Innovations in Applied Public Health Research.  
Small Grants for Secondary Analyses of Existing Data Sets (R03), NICHD  
Project Dates: 8/2019 – 8/2022  
PI: David Pyrooz

Immigration, Domestic Migration, and Geographic Variation in Adult Mortality Trends in the United States  
University of Colorado Population Center Seed Grant  
Project Dates: 05/2021 – 08/2021  
PI: Ryan K. Masters

Network on Life Course Health Dynamics and Disparities in 21<sup>st</sup> Century America. National Institutes of Health, PA-12-064.  
Project Dates: 04/01/2014 – 03/31/2019  
PIs: James S. House, Eileen Crimmins, Robert A. Hummer, Mark D. Hayward.

Educational Differences in U.S. Adult Mortality, Research Assistant. National Institute of Child Health and Human Development, 1 R01 HD053696  
Project Dates: 8/01/06 – 7/31/10.  
PI: Robert A. Hummer

What Accounts for New York City's Jump in Life Expectancy over the Past Decade? Robert Wood Johnson Foundation, Project ID 15786.  
Project Dates: 1/01/13 – 12/31/14.  
PI: Peter Muennig.

Multigenerational Transmission of Health Working Group, Robert Wood Johnson Foundation's Health and Society Scholars Program, Columbia University.  
Project Dates: 8/01/2011 – 8/01/2013.  
PI: Bruce G. Link

A Social Demography of Racial Health Disparities, Consultant. National Institute of Minority Health and Health Disparities, 5 R01 MD004025  
Project Dates: 9/25/09 – 04/30/14.  
PI: Brian K. Finch

Temporal Variation in Successful Aging of the U.S. Older Adult Population: the Impact of Obesity, Socioeconomic Inequality, and Healthcare Costs. Robert Wood Johnson Foundation Health and Society Scholars Seed Grant, Columbia University.  
Project Dates: 1/1/2012 – 1/1/2013.  
PI: Ryan K. Masters

## RESEARCH AND TEACHING INTERESTS

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Social Demography    U.S. Health and Mortality    Life Course Epidemiology    Social Epidemiology  
Demographic Methods    Quantitative Methods    Political Sociology    Aging and the Life Course

## PROFESSIONAL PRESENTATIONS

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"Illustrating the Racialized Mortality Experiences of the U.S. COVID-19 Pandemic via Quarter-Year Changes in U.S. Life Expectancy, 2019-2022." Population Association of America Annual Meeting 2023.

"Spatial Variation in Life Expectancy Trends in the United States and Peer Countries, 1980-2020: the Impact of the COVID-19 Pandemic on Widening Differences." Population Association of America Annual Meeting 2023.

"Illustrating the Racialized Mortality Experiences of the U.S. COVID-19 Pandemic via Quarter-Year Changes in U.S. Life Expectancy, 2019-2022." Interdisciplinary Association of Population Health Sciences Annual Meeting 2022.

"Life Expectancy Declines During the COVID-19 Pandemic and the Worsening U.S. Health Disadvantage: Insights Using the U.S. Mortality Database and the Human Mortality Database." Human Mortality Database Symposium 2022.

"Immigration, Domestic Migration, and Life Expectancy Trends in U.S. States, 1990-2017." Flash Session 119-2: Geographic Differences in Mortality. Population Association of America Annual Meeting 2022.

"Significant Declines in 2020 U.S. Life Expectancy Are About More Than COVID-19." Session 219-4: COVID-19 Related Mortality. Population Association of America Annual Meeting 2022.

"Cardiometabolic Diseases and Obesity: High and Rising Mortality Rates Among Working-Age Adults." Webinar, National Academies of Sciences, Engineering, and Medicine. June 17, 2021.

"Differences in Determinants: Differences in Determinants: Trends in Labor Induction among U.S. States' Black, Latina, and White Women." Interdisciplinary Association of America Annual Meeting 2021.

"U.S. State Differences in Rates of Labor Induction, 1990-2015." Flash Session 30: Spatial and Geographic Disparities in Health, Population Association of America Annual Meeting 2021.

"Female Life Expectancy Differences between U.S. States and Peer Countries, 1965-2017." Flash Session 46: Health Deficits and Disparities in a Global Perspective, Population Association of America Annual Meeting 2021.

"Increases in Obesity Prevalence and Changes in U.S. Active Life Expectancy, 1990 to 2010." Session 117: Computational Approaches to Population Health, Population Association of America Annual Meeting 2021.

"Institutional Failures and U.S. Suicide Mortality: The Cases of the U.S. Opioid Epidemic and the Great Recession." Population Section's Health and Mortality Session, American Sociological Association Annual Meeting 2020.

"Institutional Failures and U.S. Suicide Mortality: The Cases of the U.S. Opioid Epidemic and the Great Recession." Paper Session, Population Association of America Annual Meeting 2020 (session postponed)

“Obesity and Trends in U.S. Active Life Expectancy, 1990 to 2010.” Poster Session, Population Association of America Annual Meeting 2020 (session postponed)

“Immigration and Trends in U.S. Black Life Expectancy.” Poster Session, Population Association of America Annual Meeting 2020 (session postponed)

“Race/Ethnic Differences in Obstetric Practices, Gestational Age, and U.S. Birth Weight.” Poster Session, Interdisciplinary Association of Population Health Sciences Annual Meeting 2019, Seattle, WA.

“The Opioid Epidemic and Recent Trends in U.S. Suicide Mortality.” Poster Session, Interdisciplinary Association of Population Health Sciences Annual Meeting 2019, Seattle, WA.

“Trends in Drug Availability, Economic Distress, and Drug-related Mortality among U.S. Whites.” American Sociological Association Annual Meeting 2019, New York City, NY.

“U.S. Black-White Mortality Trends Complicate the White ‘Deaths of Despair’ Narrative.” Population Association of America Annual Meeting 2019, Austin, TX.

“A Foundation for Linking Nontraditional Data Sources to the National Death Index: Understanding Mortality Risk among Gang Members.” Population Association of America Annual Meeting 2019, Austin, TX.

“Age-Period-Cohort Analyses in Epidemiological Studies: Clarifying Assumptions and Validating Results.” Population Association of America Annual Meeting 2019, Austin, TX.

“Spatial Variation in Drug-related Mortality Trends among U.S. White Men and Women, 1990-2015.” Network on Life Course Dynamics and Disparities in 21<sup>st</sup> Century America Annual Meeting 2018, Boulder, CO.

“Explaining Recent Trends in U.S. Birth Weight: The Role of C-Sections and Inductions.” Population Association of America Annual Meeting 2018, Denver, CO.

“Estimating Mortality Risk Associated with Overweight and Obesity among U.S. Adults.” Interdisciplinary Association of Population Health Sciences Annual Meeting 2017: Improving Population Health: Now, Across People’s Lives, and Across Generations, Austin, TX.

“Is an Epidemic of Pain, Suicide, and Overdoses Reducing U.S. Life Expectancy?” Concurrent Panel 6: Substance Use: An Emerging and Alarming Population Health Problem, Interdisciplinary Association of Population Health Sciences Annual Meeting 2016: Persistent and Emerging Issues in Population Health Sciences, State College, PA.

“Gender, Race/Ethnicity, and Trends in the U.S. Education-Mortality Association.” Regular Session 439, American Sociological Association Annual Meeting 2016, Seattle, WA.

“A Puzzle, a Success, or an Artifact? Explaining Recent Declines in U.S. Birthweight.” Poster Session P9-6, Population Association of America Annual Meeting 2016, Washington, D.C.

“Variation in Adolescents’ Physical Weight Perceptions: The Gendered and Aged Context of State-level Body Size Reference Norms.” Poster Session P7-77, Population Association of America Annual Meeting 2016, Washington, D.C.

“Collective Health Lifestyles in Women’s Smoking During Pregnancy.” Paper Presentation, Session 72, Population Association of America Annual Meeting 2016, Washington, D.C.

“What’s New in Obesity Research?” Presentation, Interdisciplinary Association of Population Health Sciences Annual Meeting 2015, Washington, D.C.

“The Protective Effect of High Body Mass on Mortality Risk. Obesity Paradox or Data Artifact?” Paper Presentation, Session 9, Population Association of America Annual Meeting 2015, San Diego, CA

“*In Utero* Exposure to Economic Recessions and US Adult Mortality Risk.” Paper Presentation, Session 241, American Sociological Association Annual Meeting 2014, San Francisco, CA.

“Testing Hierarchical Age-Period-Cohort Models Using Simulated Data.” Paper Presentation, Session 214, Population Association of America Annual Meeting 2014, Boston, MA.

“Have New York City’s Public Health Initiatives Reduced Mortality? Comparing Period-based Variation in NYC and US Mortality Rates, 1990-2009.” Paper Presentation, Session 129, Population Association of America 2014, Boston, MA.

“Religious Activism in Tocqueville’s America: The Temperance and Anti-Slavery Movements in New York State, 1828-1838.” Roundtable presentation, Political Organizing and Social Protest, Section on Political Sociology, American Sociological Association 2013 Annual Meeting, New York, NY.

“Paradox or Artifact? Unresolved Questions about Obesity & Mortality – and how Smoking Can Help.” Second Year Scholar Presentation, Robert Wood Johnson Foundation’s Health and Society Scholars Program Annual Meeting 2013, San Diego, CA.

“Macroeconomic Conditions in Early Life and Later-life Mortality Risk in the United States.” Paper Presentation, Session 169, Population Association of America 2013 Annual Meeting, New Orleans, LA.

## INVITED TALKS

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"Life Expectancy Declines During the COVID-19 Pandemic and the Worsening U.S. Longevity Disadvantage." The College of William and Mary. September 8, 2023.

"Life Expectancy Declines During the COVID-19 Pandemic and the Worsening U.S. Longevity Disadvantage." Leverhulme Center for Demographic Science (LCDS) Seminar Series, Oxford University. June 13, 2022.

"Life Expectancy Declines During the COVID-19 Pandemic and the Worsening U.S. Longevity Disadvantage." Center for Demographic Studies (CED) Seminar Series, Universitat Autònoma Barcelona. June 9, 2022.

"Rising Obesity Prevalence and Changes in U.S. Active Life Expectancy: Sources and Severity of Bias in Estimates." City University of New York (CUNY), CIDR Seminar Series. February 18, 2022.

"Systems and Obesity: Advances and Innovations for Equitable Health and Well-Being." National Academies of Science, Engineering, and Medicine Obesity Roundtable. October 28, 2021.

"Age-specific Mortality during the 2020 COVID-19 Pandemic and Life Expectancy Changes in the United States and Peer Countries." Annual TRENDS Meeting, Ann Arbor, MI. May 14, 2021.

“Trends in Drug Availability, Economic Distress, and Drug-related Mortality among U.S. Whites.” Sociology Colloquia Series, University of Colorado Boulder. October 31, 2019.

“Trends in Drug Availability, Economic Distress, and Drug-related Mortality among U.S. Whites.” Carolina Population Center Seminar Series, University of North Carolina – Chapel Hill. August 30, 2019.

“Obesity and Trends in U.S. Active Life Expectancy, 1990 to 2010.” Annual TRENDS Meeting, Ann Arbor, MI. May 10, 2019.

“Midlife Mortality: Overview of Trends and Differentials.” Committee on High and Rising Mortality Rates among U.S. Working-Age Adults,” National Academy of Sciences, Engineering, and Medicine, Committee on Population. February 11, 2019.

“Overview of Trends and Differentials: Trends by age/period/cohort, sex, and race/ethnicity.” Planning Meeting on Socioeconomic Status and Increasing Mid-life Mortality, National Academy of Sciences, Engineering, and Medicine, Committee on Population. June 16, 2017.

“Making Sense of Rising Mortality among U.S. Whites.” Columbia University, Robert Wood Johnson Foundation Health and Society Scholars Program. April, 2016.

“Live Long and Prosper: The Impact of Education on Mortality.” United States Congressional Briefing coordinated by the Population Association of America. July, 2015.

“Laying to Rest the ‘Futile Quest’? Evaluating Recent Advances in Cohort Analyses.” Invited Seminar, University of Nottingham, the Methods and Data Institute. November, 2014.

“*In Utero* Exposure to Economic Recessions and US Adult Mortality Risk.” Invited Seminar, Bocconi University, Centro Carlo F. Dondena for Research on Social Dynamics & Public Policy. November, 2014.

“*In Utero* Exposure to Economic Recessions and US Adult Mortality Risk.” Brown Bag Seminar, Population Research Institute, Penn State University. October, 2014.

“Willie Nelson was Wrong about Time (But Right About Most Other Things): The Importance of Correctly Specifying Time in Health and Mortality Models.” Institute of Behavioral Science Colloquia, University of Colorado Boulder, Boulder, CO. 2013.

“Trends in Education Gradients of Preventable Mortality: A Test of Fundamental Cause Theory,” Causal Effects of Education on Mortality Workshop, Harvard University, Boston, MA. 2013.

“Obesity and U.S. Adult Mortality: A Bigger Picture of the Growing Threat.” Columbia Population Research Center Seminar Series, Columbia University, New York, NY. 2013.

“Macroeconomic Conditions in Early Life and Later-life Mortality Risk in the United States.” CUNY Institute for Demographic Research, The City University of New York, New York, NY. 2013.

## COURSES

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“Aging and the Life Course” (Graduate)

Department of Sociology, University of Colorado Boulder, Fall 2014

“Stats I: A First Course in Graduate Statistics” (Graduate)

Department of Sociology, University of Colorado Boulder, Fall 2023

- “Stats II: A Second Course in Graduate Statistics” (Graduate)  
 Department of Sociology, University of Colorado Boulder, Spring 2014, Spring 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019
- “Stats III: Advanced Graduate Statistics” (Graduate)  
 Department of Sociology, University of Colorado Boulder, Spring 2014
- “Stats III: Longitudinal Data Analyses” (Graduate)  
 Department of Sociology, University of Colorado Boulder, Spring 2017, Spring 2020, Spring 2023
- “Social Inequalities in Health”  
 Department of Sociology, University of Colorado Boulder, Fall 2013, Fall 2022
- “Introduction to Social Statistics”  
 Department of Sociology, University of Colorado Boulder, Fall 2013, Fall 2014, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2018, Spring 2019, Spring 2020, Spring 2021, Spring 2022
- "Sociology Graduate Proseminar Series"  
 Department of Sociology, University of Colorado Boulder, Fall 2023, Spring 2024
- “Human Conquest of Disease and Mortality”  
 Department of Sociology, University of Texas at Austin, Fall 2009, Spring 2010, Fall 2010
- “Stata and Introductory Statistics”  
 Research Experience for Undergraduates (REU) in Minority Demography, Department of Sociology, University of Texas at Austin, Summer 2005, Summer 2006, and Summer 2007

#### DISSERTATION COMMITTEES

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|---|------------------------|
| Jennifer Roark (co-Chair)<br>“Senate Bill 94: An Outcome Evaluation”  | Sociology, Spring 2014 |
| Elizabeth Lawrence<br>“College Degree Attainment and Health Behaviors”  | Sociology, Spring 2015 |
| Ross Knippenberg<br>“Orthogonalization of Categorical Data: How to Fix a Measurement Problem in Statistical Distance Metrics” | Economics, Spring 2014 |
| Samara Mendez<br>“Brand Power, Pass-through, and Consumption Effects of Municipal Taxes: Evidence from Berkeley, CA”          | Economics, Spring 2018 |
| Jennifer Balliet (Chair)<br>“Recontextualizing the Social Ecology of Intimate Partner Abuse”                                  | Sociology, Spring 2020 |
| Andrea M. Tilstra (co-Chair)<br>“Social and Institutional Factors Driving Trends in U.S. Obstetric Interventions”             | Sociology, Spring 2021 |
| Kendra Clark<br>“Breaking out of Prison Culture? Or Culture Breaking out of Prison?”  | Sociology, Spring 2021 |

Amin Etemadifar, Utah State University "Deaths of Despair' and the Opioid Crisis in the United States"	Sociology, Spring 2022
Joshua C. Goode "Life Course Perspectives on Family Change and Young Adult Health"	Sociology, Spring 2022
Justin Vinneau Palarino "An Investigation of Afro-Caribbean and Black Sub-Saharan African Immigrant Health in the United States."	Sociology, Fall 2022
Stanford R. Student "Bridging Gaps between Psychometric Research and Practice in American K-12 Education"	Education, Spring 2023
Daniel H. Simon (Chair) "This (Precarious) American Life: Rising U.S. Suicide Mortality in the Twenty-First Century"	Sociology, Spring 2024
Heather Champeau "The Social Science Extreme Events Research (SSEER) Network: An Examination of the Status and Characteristics of U.S.-Based Hazards and Disaster Researchers"	Sociology, Spring 2024
Catherine Talbot "The Nexus of Water, Energy, and Food Security and Health in Rural South Africa"	Sociology, Spring 2024

#### MASTERS THESES

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Joshua Goode	Sociology, 2017
Daniel Simon	Sociology, 2018
Jake Carias	Sociology, 2018
Kayla Jernigan (Chair)	Sociology, 2020
Luke Novack	Sociology, 2022
Katherine Craig (Chair)	Sociology, 2023
Austin Fitzgerald (Chair)	Sociology, 2023
Grace Nakajima (Chair)	Sociology, 2023

#### UNDERGRADUATE HONORS THESES

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Sona Seligova (Chair)	Sociology, 2017
Olivia A. O'Toole	Economics, 2017
James Freeman	Economics, 2019
Maya Short	Economics, 2022
Molly Fox (Chair)	Sociology, 2023

#### COMPREHENSIVE EXAMS

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Jennifer Balliet	Sociology, 2015
Heather Champeau	Sociology, 2016
Andrea Tilstra (Chair)	Sociology, 2017
Joshua Goode	Sociology, 2018
Kendra Clark	Sociology, 2019
Daniel Simon (Chair)	Sociology, 2019

Justin Vinneau	Sociology, 2019
Jake Carias	Sociology, 2020
Catherine Talbot	Sociology, 2020
Hannah Lyden	Sociology, 2022
Luke Novack	Sociology, 2022
Katherine Craig (Chair)	Sociology, 2023
Austin Fitzgerald (Chair)	Sociology, 2023
Grace Nakajima (Chair)	Sociology, 2023

## PROFESSIONAL POSITIONS

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2021 – present	Executive Committee Member Research Area Lead, Health Disparities and Behaviors University of Colorado Population Center
2018 – present	Member National Institute of Aging Disability Trend Network (TRENDS)
2012 – present	Working Group on Life Course Health Dynamics and Disparities, University of Texas at Austin Node
2019 – 2021	Committee Member, Population Section and Statistics Section, National Academy of Science, Engineering, and Medicine, “High and Rising Midlife Mortality Rates among U.S. Working-Age Adults.”

## HONORARY POSITIONS AND AWARDS

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Faculty Mentor Award 2016, Department of Sociology, University of Colorado Boulder  
 Founding Member, Multigenerational Transmission of Health Working Group, Robert Wood Johnson Foundation Health and Society Scholars Program, Columbia University, 2011. \$11,500.  
 NICHD Trainee, Population Research Center, University of Texas at Austin, 2006-2007  
 Pass with Honors and Distinction,  
 Comprehensive Exams in Demography and Health/Mortality, Department of Sociology,  
 The University of Texas at Austin, 2007  
*Magna cum Laude*, Western Washington University, 2003

## PROFESSIONAL MEMBERSHIP

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Population Association of America, 2004 – Present  
 Interdisciplinary Association of Population Health Sciences, 2017 – Present  
 American Sociological Association, 2003 – 2017  
 Sociology of Population Section  
 Section on Aging and the Life Course  
 Medical Sociology Section  
 Political Sociology Section  
 Section on Evolution, Biology & Sociology  
 American Association for the Advancement of Science, 2012 – Present

## SERVICE

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### *Department*

Associate Chair and Executive Committee, Department of Sociology, Fall 2022-present  
Director of Graduate Studies, Department of Sociology, Fall 2022-present  
Sociology PhD Forum Instructor, Department of Sociology, Fall 2022-present  
Director of Graduate Admissions, Department of Sociology, Fall 2018-Spring 2020  
Diversity Committee, Department of Sociology, Fall 2017-Spring 2018  
Committee on Graduate Studies, Department of Sociology, Fall 2014-Spring 2020, Fall 2022-present  
Committee on Future Hires, Department of Sociology, Fall 2016-Spring 2017  
Search Committee, Stratification/Inequality, Department of Sociology, Fall 2017  
Colloquium Series Co-Organizer, Department of Sociology, Spring 2014, Fall 2014, Spring 2015  
Subcommittee on Department Website, Department of Sociology, Fall 2014, Spring 2015  
Subcommittee on Department Promotion and Outreach, Department of Sociology, Spring 2014  
Subcommittee for Department Move/Ketchum Renovation, Department of Sociology, Spring 2014  
Faculty Director, Population Health Workshop, Department of Sociology, Fall 2014-Spring 2019, present  
Executive Committee, University of Colorado Population Center, Spring 2021-present  
Search Committee, Population Health, Institute of Behavioral Science, Spring 2022  
CUPC Speaker Series, Fall 2022-Spring 2023

### *Discipline*

Associate Editor, *BMC Population Health Metrics*  
Regular Session Organizer, "COVID-19 and Population Health," Session 405, Population Association of America Annual Meeting 2023.  
Discussant, "Biodemography of Aging and the Life Course," Session 71, Population Association of America Annual Meeting 2021.  
Regular Session Organizer, "Mortality and Morbidity", American Sociological Association of America 2020 Annual Meeting.  
Presenter, Institute of Behavioral Science Interdisciplinary Professional Socialization Seminar, "Being a Productive Writer." September, 2019  
Discussant, "Health in Social Context," Regular Session 4213, American Sociological Association 2019 Annual Meeting, New York City, NY.  
Awards Committee, Interdisciplinary Association of Population Health Sciences, 2019, 2020, 2021, 2022  
Presenter, Institute of Behavioral Science Interdisciplinary Professional Socialization Seminar, "Professional networking and preparing for conferences." March, 2017  
Session Organizer, "Methodological Innovations in Health and Mortality I & II," Population Association of America 2017 Annual Meeting.  
Session Co-Organizer (with Virginia Chang), "Health and Mortality Effects of Macro Social, Economic, and Technological Change," Population Association of America 2014 Annual Meeting.  
Discussant, "Deaths of Despair," Population Association of America 2018 Annual Meeting.  
Discussant, "Methodological Challenges of Research on Mortality and Morbidity," Regular Session 539, American Sociological Association 2016 Annual Meeting, Seattle, WA.  
Discussant, "Health and Mortality Effects of Macro Social, Economic, and Technological Change," Population Association of America 2014 Annual Meeting.  
Presider, Roundtable Session, American Sociological Association 2011 Annual Meeting, Las Vegas, NV.  
Chair, Session 170, Population Association of America 2010 Annual Meeting, Dallas, TX.  
Presider, Roundtable Session, American Sociological Association 2007 Annual Meeting, New York, NY.

*Ad hoc* Reviewer:

*American Economic Journal: Applied Economics, American Journal of Epidemiology, American Journal of Public Health, American Journal of Sociology, American Sociological Review, Biodemography and Social Biology, BMC Population Health Metrics, BMC Public Health, BMC Medicine, CRC Press / Taylor & Francis Group, Demography, Demographic Research, Drug and Alcohol Dependence, Epidemiology, European Journal of Epidemiology, Global Health, Health Affairs, International Journal of Epidemiology, International Journal of Health Equity, International Journal of Environmental Research and Public Health, Journal of Aging and Health, Journal of Health and Social Behavior, The Journals of Gerontology: Series B, The Lancet, Maturitas, PLOS One, PLOS Medicine, Population Research and Policy Review, Population Studies, Preventative Medicine, Proceedings for the National Academy of Sciences, Sage, Science Advances, Social Forces, Social Science & Medicine, Social Science & Medicine – Population Health, Social Science Research, Social Currents, Social Problems, Sociological Insight, Sociology of Education, Socius*