

Andrea Tilstra

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Department of Sociology
327 UCB
University of Colorado
Boulder, CO 80309-0327

Population Program
Institute of Behavioral Science
483 UCB
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EDUCATION

- In Progress Doctor of Philosophy, Sociology
Graduate Certificate in Demography
Graduate Certificate in Quantitative Methods in Behavioral Science
Comprehensive Examinations: Demography; Quantitative Methods; Health Disparities
University of Colorado - Boulder, Boulder, CO
- 2014 Bachelor of Arts, Sociology and Communication, *Cum Laude*
Minor: Economics
University of Pittsburgh, Pittsburgh, PA

ACADEMIC INTERESTS

Social demography; population health and mortality; fertility; aging and the life course; quantitative methods

PEER-REVIEWED PUBLICATIONS

Tilstra, Andrea M. (2018) "Estimating Educational Differences in Low-Risk Cesarean Section Delivery: A Multilevel Modeling Approach." *Population Research and Policy Review* 37(1): 117-135. DOI: <https://doi.org/10.1007/s11113-017-9452-2>.

Rogers, Richard G., Elizabeth M. Lawrence, Robert A. Hummer, and **Andrea M. Tilstra.** (2017) "Racial/Ethnic Differences in Early Life Mortality in the United States." *Biodemography and Social Biology* 63(3): 189-205. DOI: <http://dx.doi.org/10.1080/19485565.2017.1281100>.

Masters, Ryan K., **Andrea M. Tilstra,** and Daniel H. Simon. (2017) "Explaining Recent Mortality Trends among Younger and Middle Aged White Americans." *International Journal of Epidemiology* (Forthcoming, Online First). DOI: <https://doi.org/10.1093/ije/dyx127>.

Masters, Ryan K., **Andrea M. Tilstra,** and Daniel H. Simon. (2017) "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. DOI: <http://dx.doi.org/10.1080/19485565.2016.1248892>.

PAPERS UNDER REVIEW

Tilstra, Andrea M., and Ryan K. Masters. "Increasing Use of C-Sections and Inductions Likely Explains Recent Declines in U.S. Birth Weight." *Under review*.

MANUSCRIPTS IN PROGRESS

Rogers, Richard G., Robert A. Hummer, **Andrea M. Tilstra**, Elizabeth M. Lawrence, and Stefanie Mollborn. "Family Structure and Early Life Mortality in the United States."

Tilstra, Andrea M., Daniel H. Simon, and Ryan K. Masters. "US Black-White Mortality Trends Complicate the White "Deaths of Despair" Narrative"

Tilstra, Andrea M., Iliya Gutin, Nathan Dollar, Richard G. Rogers, and Robert A. Hummer. "Race as a Fundamental Cause of Early Life Mortality in the United States, 1990-2014."

Braudt, David B., Elizabeth M. Lawrence, **Andrea M. Tilstra**, Robert A. Hummer, and Richard G. Rogers. "Associations between Early Life Mortality and Socioeconomic Status in the 21st Century United States."

Rogers, Richard G., Tara K. Streng Schroeter, **Andrea M. Tilstra**. "Adverse Childhood Experiences and Child Health in the United States."

RESEARCH EXPERIENCE

- 2015-present Graduate Research Assistant for Dr. Richard Rogers, CUPC
- Use National Health Interview Survey (NHIS) and Linked Mortality Files (LMF) to investigate race/ethnic and family structure trends, and early life mortality in the U.S.
 - Use Research Data Center (RDC) to complete analyses requiring restricted data access.
- Graduate Research Assistant for Dr. Ryan Masters, CUPC
- Use U.S. Census Bureau and the National Vital Statistics System (NVSS) data to investigate trends in causes of death, with a focus on the opioid epidemic.
 - Use NVSS to investigate trends in United States infant mortality and low birth weight.
- 2018-present Graduate Research Assistant for Drs. Edward Telles and Christina Sue, UCSB and CU-Boulder
- Analyze data for The Mexican-American Study Project.
- 2016-2017 Graduate Research Assistant for Drs. David Pyrooz and Scott Decker, CUPC and ASU
- Cleaning, preparing, and managing data for The Lonestar Project.
- 2016 Graduate Research Assistant for Dr. Jason Boardman, CUPC
- Use the Health and Retirement Study to investigate the moderating effects of genetics on cognitive functioning.

TEACHING EXPERIENCE

Graduate Teaching Assistant

Sociology Department, University of Colorado – Boulder

2018 SOCY 5111: Data 1 (Graduate Statistics) (Spring); Instructor: Dr. Jason Boardman

- 2015 SOCY 1001: Introduction to Sociology (Spring); Instructor: Dr. Lori Hunter
 2014 SOCY 1016: Sex, Gender, and Society I (Fall); Instructor: Dr. Sanyu Mojola

Occasional Guest Lecturer for SOCY 2061: Intro to Social Statistics

Occasional Guest Lecturer for SOCY 3052: Medical Sociology

Invited Guest Lecture for SOCY 1001: Intro to Sociology (7/24/2018); “How to Approach Social Research”
Sociology Department, University of Colorado – Boulder

CONFERENCE PRESENTATIONS

- 2018 **Tilstra, Andrea M.**, Iliya Gutin, Nathan Dollar, Richard G. Rogers, and Robert A. Hummer. “Race as a Fundamental Cause of Early Life Mortality in the United States, 1990-2014.” To be presented at the Southern Demographic Association annual meeting, Durham, NC.
- Tilstra, Andrea M.** and Ryan K. Masters. April 26, 2018. “Explaining Recent Trends in U.S. Birth Weight: The Role of C-Sections and Inductions.” Presented in session on Child Health Disparities At Birth and In the First Year of Life at the Population Association America annual meeting, Denver, CO.
- 2017 **Tilstra, Andrea M.** October 2, 2017. “Estimating Educational Differences in Low-Risk Cesarean Section Delivery: A Multilevel Modeling Approach.” Poster presented at Annual Conference Interdisciplinary Association for Population Health Sciences Meeting, Austin, TX.
- Tilstra, Andrea M.** April 28, 2017. “The Contextual Effects of County-Level SES on the Probability of Low-Risk Caesarean Section Delivery.” Presented in session on Contextual Effects on Reproductive Health and Fertility at the Population Association of America annual meeting, Chicago, IL.
- 2016 **Tilstra, Andrea M.** and Ryan K. Masters. April 1, 2016. “A Puzzle, a Success, or a Data Artifact?: Explaining the Recent Decline in U.S. Birth Weights.” Poster presented at the Population Association of America annual meeting, Washington, D.C.
- 2015 **Tilstra, Andrea M.**, Richard G. Rogers, Robert A. Hummer, and Elizabeth M. Lawrence. October 15, 2015. “Family Structure and Early Life Mortality in the United States.” Presented at the Southern Demographic Association annual meeting, San Antonio, TX.

HONORS AND AWARDS

- 2018 Funded Trainee, Berkeley Formal Demography Workshop (Special Topic: Mortality), University of California Berkeley
- 2017 First Place, Poster Award, Graduate Research Symposium, Institute of Behavioral Science \$100
 Travel Grant, United Government of Graduate Students, University of Colorado-Boulder \$300
 Research Funding Award, Sociology Department, University of Colorado-Boulder \$500
 • Used to fund interviews for “Investigating the Institutional and Cultural Factors Behind a Stable U.S. C-Section Rate” Project, with Jessica Harrison
 Research Funding Award, Institute of Behavioral Science, University of Colorado-Boulder \$500
- 2016 Second Place, Poster Award, Graduate Research Symposium, Institute of Behavioral Science
 Methodological Training Funding, Sociology Department, University of Colorado-Boulder \$2,240

- Used to attend ICPSR Summer Session II (Categorical Data Analysis; Longitudinal Analysis) Methodological Training Funding, Computing and Research Services, Institute of Behavioral Science \$660
- Used to attend ICPSR Summer Session II (Categorical Data Analysis; Longitudinal Analysis) Research Funding Award, Sociology Department, University of Colorado-Boulder \$500
- 2015 Methodological Training Funding, Sociology Department, University of Colorado-Boulder \$1,300
 - Used to attend ICPSR Survival Analysis, Event History Modeling, and Duration Analysis
- Learning Community Fellowship on Retention in Undergraduate Statistics Courses, Teaching Institute for Graduate Education Research (Tiger ROAR), University of Colorado-Boulder \$500

SERVICE

NATIONAL

Session presider at professional meetings:

Population Association of America. 2017. Session on: “Improving Health and Mortality Measures.”

Population Association of America. 2017. Session on: “Methodological Innovations in Health and Mortality.”

Judge, undergraduate paper competition, Midwest Sociological Society. 2016.

Ad hoc reviewer: *Demography*; *Demographic Research*; *Journal of Gerontology*

SOCIOLOGY DEPARTMENT AND INSTITUTE OF BEHAVIORAL SCIENCE

Graduate assistant, University of Colorado Population Center (CUPC) Grant Renewal Application, 2018.

Graduate student coordinator, Population and Health Workshop, 2016.

Committee participation:

Student representative, Sociology Graduate Committee, 2015-2016, 2017-2018.

Student representative, Faculty Search Committee, 2017.

Student member, Betsy Moen Award Selection Committee, 2017.

Member, Open House Committee, 2016.

Cohort representative, Sociology Graduate Student Collective, 2014-2015.

METHODS AND PROGRAMMING SKILLS

Statistical Packages: Stata (skilled); Excel (skilled); R (highly proficient); HLM (proficient); SAS (basic)

Quantitative Methods: Age-Period-Cohort Models; Growth Curve Analyses; Multilevel Modeling; Quasi-Experimental Design for Causal Inference; OLS Regression and Categorical Data Analyses; Survival Analyses and Event History Modeling

Datasets: National Health Interview Survey (NHIS) with Linked Mortality Files (LMFs); Area Health Resource Files (AHRF); National Vital Statistics Systems (NVSS): Linked Birth/Infant Death Cohort Data, Multiple Cause of Death Data; United States Census: Population Estimates, Small Area Income and Poverty Estimates (SAIPE); Lonestar Project data; Mexican American Study Project I and II (MASP)

PROFESSIONAL MEMBERSHIPS

American Sociological Association

Sections: *Aging and the Life Course; Family; Medical Sociology; Methodology; Population*

Interdisciplinary Association for Population Health Science

Population Association of America

Southern Demographic Association