

Andrea Tilstra

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Department of Sociology
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Boulder, CO 80309-0327

Population Program
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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 <i>University of Colorado - Boulder, Boulder, CO</i>
2014	Bachelor of Arts, Sociology and Communication, <i>Cum Laude</i> Minor: Economics <i>University of Pittsburgh, Pittsburgh, PA</i>

ACADEMIC INTERESTS

Social demography; population health and mortality; 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>.

MANUSCRIPTS IN PROGRESS

Tilstra, Andrea M., and Ryan K. Masters. “Explaining Recent Trends in U.S. Birth Weight: The Role of C-Sections and Inductions.”

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

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

RESEARCH EXPERIENCE

- 2015-present Graduate Research Assistant for Dr. Richard Rogers (Summer 2015-present), 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.
 - *Early Life Mortality in the United States* (NICHD grant)
- Graduate Research Assistant for Dr. Ryan Masters (Fall 2015-present), 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.
- 2016-present Graduate Research Assistant for Drs. David Pyrooz and Scott Decker (Fall 2016-present), CUPC and ASU
- Cleaning, preparing, and managing data for The Lonestar Project.
 - *Gangs on the street, gangs in prison: Their nature, interrelationship, control, and re-entry* (NIJ grant 2014-MU-CX-0111)
- 2016 Graduate Research Assistant for Dr. Jason Boardman (Spring), 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
Student Average Ratings: Course 4.3/6, Instructor 5.4/6

2014 SOCY 1016: Sex, Gender, and Society I (Fall); Instructor: Dr. Sanyu Mojola
Student Average Ratings: Course 5.2/6, Instructor 5.5/6

Occasional Guest Lecturer for SOCY 2061: Intro to Social Statistics

Occasional Guest Lecturer for SOCY 3052: Medical Sociology

Sociology Department, University of Colorado – Boulder

CONFERENCE PRESENTATIONS

- 2018 **Tilstra, Andrea M.** and Ryan K. Masters. TBD. “Explaining Recent Trends in U.S. Birth Weight: The Role of C-Sections and Inductions.” To be 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

- 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, \$500
- Teaching Institute for Graduate Education Research (Tiger ROAR), University of Colorado-Boulder

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: *Journal of Gerontology*

SOCIOLOGY DEPARTMENT AND INSTITUTE OF BEHAVIORAL SCIENCE

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); Linux (basic); 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

PROFESSIONAL MEMBERSHIPS

American Sociological Association

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

Population Association of America

Southern Demographic Association