(Xie) Rachel Kulikoff
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https://rachelkulikoff.github.io/

Education

2027 (Expected)	Ph.D., Health Services Organization and Policy and Political Science

2027
(Expected)
Ph.D., Health Services Organization and Policy and Political Science
University of Michigan, Ann Arbor, MI
Dissertation Committee: Scott Greer (co-chair), Chuck Shipan (co-chair), Holly Jarman, Jenna Bednar, Elizabeth Popp Berman

2018
M.P.H., Global Health, Health Metrics Track
University of Washington, Seattle, WA

2015
B.A., Biology and Environmental Studies (with honors)
University of Chicago, Chicago IL

Publications

Greer, Scott L., Holly Jarman, Rachel Kulikoff, Dimitra Panteli, Ewout van Ginneken, and Matthias Wismar. "The Second Trump Administration: A Policy Analysis of Challenges and Opportunities for European Health Policymakers." *Health Policy*, May 18, 2025, 105350. https://doi.org/10.1016/j.healthpol.2025.105350.

Greer, Scott L., Holly Jarman, Rachel Kulikoff, and Miranda Yaver. "Trump's Second Presidency Begins: Evaluating Effects on the US Health System." *The Lancet Regional Health - Americas* 48 (August 2025): 101173. https://doi.org/10.1016/j.lana.2025.101173.

Greer, Scott L., and Rachel Kulikoff. "The Future of Global Health, without the United States." *Bulletin of the Atomic Scientists* 81, no. 3 (2025): 188–94. https://doi.org/10.1080/00963402.2025.2488675.

Caskey, John, John Caskey, Iain L McConnell, et al. "Identifying COVID-19 Outbreaks From Contact-Tracing Interview Forms for Public Health Departments: Development of a Natural Language Processing Pipeline." *JMIR Public Health and Surveillance* 8, no. 3 (2022): e36119. https://doi.org/10.2196/36119.

Battle, Katherine E., Tim C. D. Lucas, Michele Nguyen, et al. "Mapping the Global Endemicity and Clinical Burden of Plasmodium Vivax, 2000–17: A Spatial and Temporal Modelling Study." *The Lancet* 394, no. 10195 (2019): 332–43. https://doi.org/10.1016/S0140-6736(19)31096-7.

Liang, Juan, Xiaohong Li, Chuyun Kang, et al. "Maternal Mortality Ratios in 2852 Chinese Counties, 1996–2015, and Achievement of Millennium Development Goal 5 in China: A Subnational Analysis of the Global Burden of Disease Study 2016." *The Lancet* 393, no. 10168 (2019): 241–52. https://doi.org/10.1016/S0140-6736(18)31712-4.

Weiss, Daniel J., Tim C. D. Lucas, Michele Nguyen, et al. "Mapping the Global Prevalence, Incidence, and Mortality of Plasmodium Falciparum, 2000–17: A Spatial and Temporal Modelling Study." *The Lancet* 394, no. 10195 (2019): 322–31. https://doi.org/10.1016/S0140-6736(19)31097-9.

Dicker, Daniel, Grant Nguyen, Degu Abate, et al. "Global, Regional, and National Age-Sex-Specific Mortality and Life Expectancy, 1950–2017: A Systematic Analysis for the Global Burden of Disease Study 2017." *The Lancet* 392, no. 10159 (2018): 1684–735. https://doi.org/10.1016/S0140-6736(18)31891-9.

GBD 2015 Eastern Mediterranean Region Neonatal, Infant, and under-5 Mortality Collaborators. "Neonatal, Infant, and under-5 Mortality and Morbidity Burden in the Eastern Mediterranean Region: Findings from the Global Burden of Disease 2015 Study." *International Journal of Public Health* 63, no. 1 (2018): 63–77. https://doi.org/10.1007/s00038-017-0998-x.

Lozano, Rafael, Nancy Fullman, Degu Abate, et al. "Measuring Progress from 1990 to 2017 and Projecting Attainment to 2030 of the Health-Related Sustainable Development Goals for 195 Countries and Territories: A Systematic Analysis for the Global Burden of Disease Study 2017." *The Lancet* 392, no. 10159 (2018): 2091–138. https://doi.org/10.1016/S0140-6736(18)32281-5.

Murray, Christopher J. L., Charlton S. K. H. Callender, Xie Rachel Kulikoff, et al. "Population and Fertility by Age and Sex for 195 Countries and Territories, 1950–2017: A Systematic Analysis for the Global Burden of Disease Study 2017." *The Lancet* 392, no. 10159 (2018): 1995–2051. https://doi.org/10.1016/S0140-6736(18)32278-5.

Fullman, Nancy, Ryan M. Barber, Amanuel Alemu Abajobir, et al. "Measuring Progress and Projecting Attainment on the Basis of Past Trends of the Health-Related Sustainable Development Goals in 188 Countries: An Analysis from the Global Burden of Disease Study 2016." *The Lancet* 390, no. 10100 (2017): 1423–59. https://doi.org/10.1016/S0140-6736(17)32336-X.

GBD 2015 Eastern Mediterranean Region Neonatal, Infant, and Ali H. Mokdad. "Neonatal, Infant, and under-5 Mortality and Morbidity Burden in the Eastern Mediterranean Region: Findings from the Global Burden of Disease 2015 Study." *International Journal of Public Health*, August 3, 2017, 1–15. https://doi.org/10.1007/s00038-017-0998-x.

Golding, Nick, Roy Burstein, Joshua Longbottom, et al. "Mapping Under-5 and Neonatal Mortality in Africa, 2000–15: A Baseline Analysis for the Sustainable Development Goals." *The Lancet* 390, no. 10108 (2017): 2171–82. https://doi.org/10.1016/S0140-6736(17)31758-0.

Naghavi, Mohsen, Amanuel Alemu Abajobir, Cristiana Abbafati, et al. "Global, Regional, and National Age-Sex Specific Mortality for 264 Causes of Death, 1980–2016: A Systematic Analysis for the Global Burden of Disease Study 2016." *The Lancet* 390, no. 10100 (2017): 1151–210. https://doi.org/10.1016/S0140-6736(17)32152-9.

The Global Burden of Disease Child and Adolescent Health Collaboration. "Child and Adolescent Health From 1990 to 2015: Findings From the Global Burden of Diseases, Injuries, and Risk Factors 2015 Study." *JAMA Pediatrics* 171, no. 6 (2017): 573–92. https://doi.org/10.1001/jamapediatrics.2017.0250.

Wang, Haidong, Amanuel Alemu Abajobir, Kalkidan Hassen Abate, et al. "Global, Regional, and National under-5 Mortality, Adult Mortality, Age-Specific Mortality, and Life Expectancy, 1970–2016: A Systematic Analysis for the Global Burden of Disease Study 2016." *The Lancet* 390, no. 10100 (2017): 1084–150. https://doi.org/10.1016/S0140-6736(17)31833-0.

Gething, Peter W., Daniel C. Casey, Daniel J. Weiss, et al. "Mapping Plasmodium Falciparum Mortality in Africa between 1990 and 2015." *New England Journal of Medicine* 375, no. 25 (2016): 2435–45. https://doi.org/10.1056/NEJMoa1606701.

Kassebaum, Nicholas J., Ryan M. Barber, Zulfiqar A. Bhutta, et al. "Global, Regional, and National Levels of Maternal Mortality, 1990–2015: A Systematic Analysis for the Global Burden of Disease Study 2015." *The Lancet* 388, no. 10053 (2016): 1775–812. https://doi.org/10.1016/S0140-6736(16)31470-2.

Kulikoff, Xie Rachel, Julia Morris, Grant Nguyen, Alison Smith, and Tara Templin. "Health Metrics Priorities: A Perspective from Young Researchers." *The Lancet* 388, no. 10058 (2016): 2353–54. https://doi.org/10.1016/S0140-6736(16)32134-1.

Lim, Stephen S., Kate Allen, Zulfiqar A. Bhutta, et al. "Measuring the Health-Related Sustainable Development Goals in 188 Countries: A Baseline Analysis from the Global Burden of Disease Study 2015." *The Lancet* 388, no. 10053 (2016): 1813–50. https://doi.org/10.1016/S0140-6736(16)31467-2.

Wang, Haidong, Zulfiqar A. Bhutta, Matthew M. Coates, et al. "Global, Regional, National, and Selected Subnational Levels of Stillbirths, Neonatal, Infant, and under-5 Mortality, 1980–2015: A Systematic Analysis for the Global Burden of Disease Study 2015." *The Lancet* 388, no. 10053 (2016): 1725–74. https://doi.org/10.1016/S0140-6736(16)31575-6.

Wang, Haidong, Mohsen Naghavi, Christine Allen, et al. "Global, Regional, and National Life Expectancy, All-Cause Mortality, and Cause-Specific Mortality for 249 Causes of Death, 1980–2015: A Systematic Analysis for the Global Burden of Disease Study 2015." *The Lancet* 388, no. 10053 (2016): 1459–544. https://doi.org/10.1016/S0140-6736(16)31012-1.

Working Papers

1. "The Use of Health Data in Political Science: Mechanisms, Comparability, and Endogeneity," Under Reivew
2. "Interpreting and Visualizing Complex Data: The Case of COVID-19 Data Dashboards," in *Palgrave Handbook for the History of Epidemiology,* under review at Palgrave Macmillan
3. "Can We Trust Politicized Public Health Data? The Case of COVID-19 in the United States"

Research Experience

2023-2024   Project Manager
Smoke-Free Environments Law Project, University of Michigan Tobacco Research Network

2021-2023   Researcher
Institute for Health Metrics and Evaluation (IHME), University of Washington, Seattle, WA
Improved modeling pipeline for cholera and other diarrheal diseases
Contributed to HIV modeling strategies

2015-2018   Post-Bachelor Fellow
IHME, University of Washington, Seattle, WA
Developed and ran demographic models including child mortality, life expectancy, and fertility for the Global Burden of Disease project

Teaching

Winter 2025   Graduate Student Instructor
University of Michigan School of Public Health
HMP 669: Database Management and Visualization in Healthcare

Fall 2024 &   Graduate Student Instructor
Fall 2025   University of Michigan School of Public Health
HMP 615: Introduction to Public Health Policy (MPH core class)

Spring 2019 Discussion Leader
University of Wisconsin School of Public Health
Introduction to Public Health: Local to Global Perspectives, led weekly small group
discussions for undergrads

Winter 2015 Lab Teaching Assistant
University of Chicago Biological Sciences Division
Core Biology (for nonmajors), facilitated wet lab

Fall 2012 & Writing Teaching Assistant
Spring 2014 University of Chicago Biological Sciences Division
Core Biology (for nonmajors), led discussion and graded essays

Honors, Awards, Fellowships

2022-2023 Agency for Healthcare Quality T-32 Grantee
2011-2015 Dean's List (University of Chicago)
2011-2015 University Scholarship

Presentations

2025 "Why do Governments Collect High Quality Data?" Flash talk at INCREASER socio-legal studies
conference

2025 "The Use of Health Data in Political Science: Mechanisms, Models, and Endogeneity," American
Political Science Association Annual Meeting

2025 "COVID-19 Data Dashboards and the Politics of Data," Society for the Social Studies of Science
Annual Meeting

2024 "Did US State Governments Manipulate COVID-19 Data?" American Public Health Association
Annual Meeting

2024 "State Partisanship and COVID-19 Data Manipulation," American Political Science Association
Annual Meeting

2024 [Invited Guest Lecture] UC San Diego undergrad course, Data Politics

2024 [Invited Guest Lecture] UC Santa Cruise undergrad course, Truth, Justice, and Statistics

2023 "Health Data Dashboards in the United States During COVID-19: Context and Implications." Data
& Disease in a Historical Perspective Workshop

2021 "Has COVID-19 Influenced Suicide Rates? One Empirical Case Study from Cook County, IL."
Council of State and Territorial Epidemiologists (CSTE) Annual Conference

2021   "Social Justice and Mental Health," Panel Discussion University of Wisconsin Population Health Fellowship Monthly Meeting

2020   Poster Presentation, "FIMR Action Networks: Taking Action to Reduce Infant and Fetal Mortality in Dane County", Public Health Madison & Dane County

2020   "Data, Algorithms, and Equity: Combating Bias in Health Data" University of Wisconsin Data Science Research Bazaar

2019   Data Equity Workshop
       University of Wisconsin Population Health Fellowship Monthly Meeting

Service

2025-2026   HSOP Committee PhD Student Representative *(admissions, departmental policy)*
2023-2024   Diversity, Equity, and Inclusion Committee PhD Student Representative, University of Michigan Department of Health Management and Policy
2022-   Departmental Steward, Graduate Employee Organization
2021-   Public Health Awakened National Steering Committee Member

Skills

Programming: R, RShiny, Stata, Python, SQL, Command Line, and Git/GitHub
Languages: Mandarin Chinese (fluent)

Professional Memberships

American Political Science Association (APSA)
American Public Health Association (APHA)
Society for the Social Studies of Science (4S)

Employment

2020-2021   Epidemiologist
            Cook County Department of Public Health

            Surveilled chronic diseases, created COVID-19 data dashboards, responded to vital records data requests, organized administration of Youth Risk Behavior Survey

2018-2020   Population Health Service Fellow
            Public Health Madison & Dane County

            Developed and updated COVID-19 data dashboards, created one-pagers and reports, conducted quantitative and qualitative analyses to aid COVID-19 decision-making

            Built and maintained coalitions in maternal and child health and sexual and reproductive health, led actions to reduce disparities in fetal and infant loss