

ELAINE L. HILL

CONTACT INFORMATION

University of Rochester Medical Center
3-135 Saunders Research Building
265 Crittenden Boulevard
Box 420644, Rochester, NY 14642

Citizenship: United States
Email: elaine_hill@urmc.rochester.edu
Lab: [Hill Lab](#)
Website: www.elainelhill.com

CURRENT ACADEMIC APPOINTMENTS AND AFFILIATIONS

University of Rochester

Dean's Professor, Department of Public Health Sciences	2024-
Professor (with tenure), Department of Public Health Sciences	2024-
Professor, Department of Economics (joint)	2024-
Professor, Department of Obstetrics and Gynecology (joint)	2024-
Co-director of Engagement, Institute for Human Health and the Environment	2024-
Member, University of Rochester Aging Institute	2023-
Affiliate & Co-lead of Engagement Pillar, Institute for Human Health and the Environment	2023-
Faculty Affiliate, Greater Data Science Cooperative Institute, UR & Cornell	2020-
Faculty Affiliate, Environmental Health Sciences Center	2015-
Faculty Affiliate, Goergen Institute for Data Science	2014-

National Bureau of Economic Research (NBER)

Research Associate	2024-
Editorial Board Member , <i>Data Science in Science</i>	2021-

PREVIOUS ACADEMIC POSITIONS AND AFFILIATIONS

National Bureau of Economic Research (NBER)

Faculty Research Fellow	2022-2024
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University of Rochester

Associate Professor (without tenure), Department of Public Health Sciences	2020-2024
Associate Professor (without tenure), Department of Economics (joint)	2020-2024
Associate Professor (without tenure), Department of Obstetrics and Gynecology (joint)	2020-2024
Faculty Advisor, Junior Faculty Biomedical Research Association (JFBRA), Office for Faculty Development, URM	2022-2024
Associate Professor (Courtesy), School of Biological & Population Sciences, OSU	2020-2024
Assistant Professor, Department of Public Health Sciences, University of Rochester	2014-2020
Assistant Professor (Courtesy), School of Biological & Population Sciences, OSU	2017-2020
Co-Director, Junior Faculty Biomedical Research Association (JFBRA), Office for Faculty Development, URM	2018-2021

Assistant Director, Junior Faculty Biomedical Research Association (JFBRA), Office for Faculty Development, URM	2017-2018
Center for Energy and Environment, University of Rochester	2014-2019
Assistant Professor of Public Health Sciences (WOC) GEC DAC Canandaigua VAMC	2014-2017
Research Assistant, Cornell University	2009-2014
Consultant to Cornell Institute for Social and Economic Research (CISER)	2009-2012
Research Support Specialist, Cornell University	2008-2009
Research Assistant/Programmer, Mathematica Policy Research, Inc.	2005-2008

RESEARCH FIELDS

Health Economics, Environmental Economics, Health Policy, Applied Microeconomics

EDUCATION

Ph.D., Applied Economics and Management, 2014
Cornell University, Ithaca, NY
Dissertation: "Unconventional Drilling and Early Life Health: Three Essays on the Consequences for Human Capital Formation"

B.A., Economics and Mathematics, Economics Honors, 2005
Oberlin College, OH
Honors Thesis: "Does the type of legal representation affect sentencing outcomes?"
Undergraduate Economic Review, 1(1), 2005

FELLOWSHIPS, HONORS, & AWARDS

2024	Raymond Vernon Memorial Award, APPAM
2020	NIH Loan Repayment Program Renewal Award in Pediatrics (NIEHS)
2019	NIH Loan Repayment Program Renewal Award in Pediatrics (NIEHS)
2018	Faculty Mentorship Award from UPSTAT 2018 Conference
2016	NIH Director's blog on Creative Minds
2015	NIH Loan Repayment Program in Pediatrics
2015	NIH Director's Early Independence Award
2013	Population Association of America Poster Award
2005	Economics Departmental Honors, Oberlin College
2005	Comfort Starr Prize in Economics, Oberlin College
2004	National Academic Squad by National Field Hockey Coaches Association
2004	J. Phillips Prize for most outstanding junior economics major, Oberlin College
2003	A. Rees Assistantship to the President's Council of Economic Advisors, Oberlin College

PUBLICATIONS

1. "Portable medical orders and inpatient cost at end-of-life in acute myeloid leukemia and myelodysplastic syndromes" Marissa LoCastro, Andrea Baran, Jane Liesveld, , Eric Huselton, Elaine L. Hill, Kah Poh Loh, Jason H. Mendler
JCO Oncology Practice, forthcoming
2. "Effect of Nirmatrelvir/Ritonavir (Paxlovid) on Hospitalization among Adults with COVID-19: an EHR-based Target Trial Emulation from N3C" Abhishek Bhatia, Alexander J. Preiss, Xuya Xiao, M. Daniel Brannock, G. Caleb Alexander, Robert F. Chew, Megan Fitzgerald, Elaine L Hill, et al.
Nature Communications, 2024
3. "Associations of county-level social determinants of health with COVID-19 related hospitalization among people with HIV: a retrospective analysis of the US National COVID Cohort Collaborative (N3C)" Jessica Y. Islam, Eric Hurwitz, Dongmei Li, Marlene Camacho-Rivera, Jing Sun, Sandra Safo, Jennifer M. Ross, Ken Wilkins, Shukri Hassan, Elaine L. Hill, et al.
AIDS and Behavior, 2024
4. "Limited Impact of Roadway Construction and Traffic Congestion on Nearby Housing Prices." with Lena Harris, Max Harleman, Mary Willis, and Perry Hystad
Transport Policy, 2024
5. "Roadway Construction as a Natural Experiment to Examine Air Pollution Impacts on Infant Health" Elaine Hill, Max Harleman, Lena Harris, Grace Sventek, Beate Ritz, Erin J Campbell, Mary Willis, Perry Hystad
Environmental Research, 2024 (Vol 252, Part 2).
6. "Insights from an N3C RECOVER EHR-Based Cohort Study Characterizing SARS-CoV-2 Reinfections and Long COVID" Emily Hadley, Yun Jae Yoo, Saaya Patel, Andrea Zhou, Bryan Laraway, Rachel Wong, Alexander Preiss, Rob Chew, Hannah Davis, M Daniel Brannock, Christopher G Chute, Emily R Pfaff, Johanna Loomba, Melissa Haendel, Elaine Hill, N3C and RECOVER consortia, Richard Moffitt
Communications Medicine, 2024 (7) 11.
7. "Assessing Associations Between Individual-Level Social Determinants of Health and COVID-19 Hospitalizations: Investigating Racial/Ethnic Disparities Among People Living with HIV in the U.S. National COVID Cohort Collaborative (N3C)" Dimple Vaidya, Kenneth J Wilkins, Eric Hurwitz, Jessica Y Islam, Dongmei Li, Jing Sun, Sandra E Safo, Jennifer M Ross, Shukri Hassan, Elaine Hill, Bohdan Nosyk, Cara D Varley, Nada Fadul, Marlene Camacho-Rivera, Charisse Madlock-Brown, Rena C Patel
Journal of Clinical and Translational Science , 2024
8. "Evaluating COVID-19 Vaccine Effectiveness During Pre-Delta, Delta and Omicron Dominant Periods Among Pregnant People in the U.S.: Retrospective Cohort Analysis from a Nationally Sampled Cohort in National COVID Collaborative Cohort (N3C)" Lauren Chan, Jing Sun, Jerrod Anzalone, Qulu Zheng, Michael Liebman, Federico Mariona, Emily A Groene Faherty, Anup P Challa, Elaine Hill, Rena C Patel. on behalf of the N3C consortium
BMJ Public Health, 2024 (6) 3.

9. "High Traffic Roads and Adverse Birth Outcomes: Comparing Births Upwind and Downwind of the" Andrew Larkin, Mary D Willis, Lena Harris, Beate Ritz, Elaine L Hill, Perry Hystad
American Journal of Epidemiology, 2024.
10. "Drinking Water Contaminant Concentrations and Birth Outcomes." DiSalvo, Richard, and Elaine L. Hill,
Journal of Policy Analysis and Management, 2024.
11. "Influence of Community Determinants on Barriers and Facilitators to COVID-19 Vaccine Uptake: Regional Stakeholders' Perspectives" Savanah Russ, Nancy Bennett, Edwin van Wijngaarden, Elaine Hill, Yu Liu
Vaccine, 2024 (2) 15.
12. "A Population-Based Cohort Study of Electronic Tolling, Traffic Congestion, and Adverse Birth Outcomes" Willis, Mary, Lena Harris, Erin J Campbell, Mira Chaskes, Ethan Sawyer, Max Harleman, Beate Ritz, Elaine L. Hill, and Perry Hystad
Environment International, 2024.
13. "Pregnancy Outcomes among Pregnant Persons after COVID-19 Vaccination: Assessing Vaccine Safety in Retrospective Cohort Analysis of U.S. National COVID Cohort Collaborative (N3C)", Emily A. G. Faherty, Kenneth J. Wilkins, Sara Jones, Anup Challa, Qiuyuan Qin, Lauren E. Chan, Courtney Olson-Chen, Jessica L. Tarleton, Michael N. Liebman, Federico Mariona, Elaine L. Hill 5, Rena C. Patel, and The N3C Consortium
Vaccines, 2024
14. "Is the emergency department used as a substitute or a complement to primary care in Medicaid?", Alina Denham, Elaine L Hill, Maria Raven, Michael Mendoza, Mical Raz, Peter J Veazie,
Health Economics, Policy and Law, 2024.
15. "Who is pregnant? defining real-world data-based pregnancy episodes in the National COVID Cohort Collaborative (N3C)." Jones, Sara, Katie R. Bradwell, Lauren E. Chan, Courtney Olson-Chen, Jessica Tarleton, Kenneth J. Wilkins, Qiuyuan Qin, ..., Elaine L. Hill,
JAMIA Open, forthcoming.
16. "The Impact of Oil and Gas Extraction on Infant Health in Colorado." Hill, Elaine L.
American Journal of Health Economics, 2023.
17. "Changes in Traffic Congestion and Air Pollution Due to Major Roadway Infrastructure Improvements in Texas." Harleman, Max, Lena Harris, Mary Willis, Perry Hystad, and Elaine L. Hill,
Science of the Total Environment, 2023.
18. "Risk Factors Associated with Post-Acute Sequelae of SARS-CoV-2: An N3C and NIH RECOVER Study" with Mehta HB, Sharma S, Mane K, Singh SK, Xie C, Cathey E, Loomba J, Russell S, Spratt H, DeWitt PE, Ammar N, Madlock-Brown C, Brown D, McMurry JA, Chute CG, Haendel MA, Moffitt R, Pfaff ER, Bennett TD
BMC Public Health, 2023
19. "Changes in socioeconomic disparities for traffic-related air pollution exposure during

- pregnancy over a 20-year period in Texas.” Willis, Mary, Elaine L. Hill, Lena Harris, Max Harleman, Perry Hystad
JAMA Network Open, 2023.
20. “Air Quality Impacts of Shale Gas Development in Pennsylvania.” Zhang, Ruohao, Huan Li, Neha Khanna, Alan J. Krupnick, Elaine L. Hill, and Daniel M. Sullivan
Journal of the Association of Environmental and Resource Economists, 2023.
 21. “Associations among Historical Neighborhood Disinvestment, Hazardous Air Pollutants, and Current Adult Asthma Prevalence.” Campbell, Erin J., Kendra D. Sims, Elaine L. Hill, and Mary D. Willis
Environmental Health Perspectives, 2023.
 22. “Coding Long COVID: Characterizing a New Disease Through an ICD-10 Lens”, with Emily Pfaff, Charisse Madlock-Brown, John M. Baratta, Abhishek Bhatia, Hannah Davis, Andrew Girvin, Liz Kelly, Kristin Kostka, Johanna Loomba, Julie A. McMurry, Rachel Wong, Tellen D Bennett, Richard Moffitt, Christopher G Chute, Melissa Haendel, The N3C Consortium, The RECOVER Consortium
BMC Medicine, 2023.
 23. “Multiple Dimensions of Environmental Justice and Oil and Gas Development in Pennsylvania.” Lieberman-Cribbin, Wil, Xin Fang, Rachel Morello-Frosch, David JX Gonzalez, Elaine Hill, Nicole C. Deziel, Jonathan J. Buonocore, and Joan A. Casey
Environmental Justice, 2023.
 24. “A Population-Based Cohort Study of Traffic Congestion and Infant Growth using Connected Vehicle Data.” Willis, Mary D., David Schrank, Chunxue Xu, Lena Harris, Beate R. Ritz, Elaine L. Hill, and Perry Hystad
Science Advances, 2022
 25. “Mortality during resource booms and busts.” Boslett, Andrew, Elaine Hill
Journal of Environmental Economics and Management, 2022.
 26. “Drinking Water, Fracking and Infant Health.” Hill, Elaine L., Lala Ma
Journal of Health Economics, 2022.
 27. “Post-Acute Care Use Associated with Medicare Shared Savings Program and Disparities”, with Y Kim, C Thirukumaran, H Temkin-Greener, R Holloway, Y Li
Journal of the American Medical Directors Association, 2022.
 28. “The Geographical Correlation Between Historical Preterm Birth Disparities and COVID-19 Burden.” Marinescu, Ponnala S., Courtney Olson-Chen, J. Christopher Glantz, Elaine Hill, and Stefanie J. Hollenbach
Reproductive Sciences, 2022
 29. “Coroner county systems are associated with a higher likelihood of unclassified drug overdoses compared to medical examiner county systems.” Denham, Alina, Tarsha Vasu, Paloma Avendano, Andrew Boslett, Michael Mendoza, and Elaine L. Hill
American Journal of Drug and Alcohol Abuse, 2022

30. "Where You Drink Water: An Assessment of the Tennessee, USA Public Water Supply." Ding, Ke Jack*, George M. Hornberger, Elaine L. Hill, and Yolanda J. McDonald
Water, 2022
31. "A Systematic Review of Geospatial Representation of United States Community." Water Systems, Yolanda J. McDonald, Kayla M. Anderson, Mariah D. Caballero, Ke Jack Ding, Douglas H. Fisher, Caroline P. Morkel, Elaine L. Hill
AWWA Water Science, 2022
32. "Associations Between Residential Proximity to Oil and Gas Extraction and Hypertensive Conditions During Pregnancy: A Difference-in-Differences Analysis in Texas, 1996-2009." Willis, Mary D., Elaine L. Hill, Andrew Boslett, Molly L. Kile, Susan E. Carozza, and Perry Hystad
International Journal of Epidemiology, 2021.
33. "The Fracking Concern with Water Quality." Hill, Elaine, and Lala Ma
Science, 2021.
34. "Associations Between Historically Redlined Districts and Racial Disparities in Current Obstetric Outcomes." Hollenbach, Stefanie J., Lorelei L. Thornburg, J. Christopher Glantz, and Elaine Hill
JAMA network open, 2021.
35. "The Association of Prevention and Promotion Focus with Clinicians' Implementation of The JNC-7 Hypertension Treatment Guidelines" ,Mechelle Sanders, Kevin Fiscella, Elaine Hill, Olugbenga Ogedegbe, Andrea Cassells, Jonathan N. Tobin, Stephen Williams, Peter Veazie
The Journal of Clinical Hypertension, 2021.
36. "Economic, Environmental, and Health Impacts of the Fracking Boom." Black, Katie Jo, Andrew J. Boslett, Elaine L. Hill, Lala Ma, and Shawn J. McCoy
Annual Review of Resource Economics, 2021.
37. "Associations between Residential Proximity to Oil and Gas Drilling and Term Birth Weight and Small-for-Gestational-Age Infants in Texas: A Difference-in-Differences Analysis." Willis MD, Elaine Hill, Boslett A, Kile ML, Carozza SE, Hystad P
Environmental health perspectives, 2021.
38. "Clinical Characterization and Prediction of Clinical Severity of SARS-CoV-2 Infection Among US Adults Using Data From the US National COVID Cohort Collaborative" Tellen D. Bennett, Richard A. Moffitt, Janos G. Hajagos, et al.
JAMA Netw Open, July 2021.
39. "Institutional Postacute Care Use May Help Reduce Readmissions for Ischemic Stroke Patients." Kim, Yeunkyung, Caroline Thirukumaran, Helena Temkin-Greener, Elaine Hill, Robert Holloway, and Yue Li
Medical Care, 2021 May 13; Epub 2021 May 13.
40. "Fatal opioid overdoses in the U.S. declined more than reported between 2017 and 2018." Boslett, Andrew, Alina Denham, and Elaine Hill
The American Journal of Drug and Alcohol Abuse, 2021 June 9.

41. "Rural Light Pollution from Shale Gas Development and Associated Sleep and Subjective Well-Being." Boslett, Andrew, Elaine Hill, Lala Ma, and Lujia Zhang
Resource and Energy Economics, 2021.
42. "Acute Myocardial Infarction Associated with Unconventional Natural Gas Development:A Natural Experiment." Denham, Alina, Mary D. Willis, Daniel P. Croft, Linxi Liu, and Elaine L. Hill
Environmental research, 2021 Feb 10.
43. "Health and Charge Benefits from Decreasing PM2.5 Concentrations in New York State: Effects of Changing Sources." Hopke, Philip K., and Elaine L. Hill
Atmospheric Pollution Research, 2021.
44. "The Effect of Medicare Shared Savings Program on Readmissions and Variations by Race/Ethnicity and Payer Status." Kim, Yoon, Caroline Thirukumaran, Elaine L. Hill, Helena Tempkin-Greener, Yue Li
Medical Care, 2021.
45. "Natural Gas Development, Flaring, and Pediatric Asthma Hospitalizations in Texas" Willis, Mary, Perry Hystad, Alina Denham, and Elaine Hill
International Journal of Epidemiology, 2020.
46. "The National COVID Cohort Collaborative (N3C): Rationale, Design, Infrastructure, and Deployment." Haendel, Melissa, Christopher Chute, et al. (Elaine L. Hill is consortia author 104 out of 170)
Journal of American Medical Informatics Association, 2020
47. "Assessment of Financial Toxicity Among Older Adults with Advanced Cancer" Arastu A, Patel A, Mohile SG, Ciminelli J, Kaushik R, Wells M, Culakova E, Lei L, Xu H, Dougherty DW, Mohamed MR, Elaine L. Hill, Duberstein P, Flannery MA, Kamen CS, Pandya C, Berenberg JL, Aarne Grossman VG, Liu Y, Loh KP
JAMA network open, 2020 Dec 1;3(12)
48. "Social Distancing Has Merely Stabilized COVID-19 in the US." Wagner, Aaron, Elaine L. Hill, Sean E. Ryan, Ziteng Sun, Grace Deng, Sourbh Bhadane, Victor Hernandez Martinez, Peter Wu, Dongmei Li, Ajay Anand, Jayadev Acharya, and David S. Matteson
Stat, 2020.
49. "Assessing the Effectiveness of Vehicle Emission Regulations on Improving Perinatal Health: A Population-Based Accountability Study" Willis, Mary, Elaine L. Hill, Molly Kile, Susan Carozza, Perry Hystad
International Journal of Epidemiology, 2020
50. "Using Contributing Causes of Death and Machine Learning to Predict Opioid Involvement in Unclassified Drug Overdoses in U.S. Death Records." Boslett, Andrew, Alina Denham, Elaine L. Hill
Addiction, February 2020.
51. "Are Increasing Trends in Opioid-Related Hospitalizations Attributable to Increases in Diagnosis Recordability? Evidence from 2 Large States." Denham, Alina, Teraisa Mullaney,

Elaine L Hill, Peter J Veazie
Health Services Insights, July 2019

52. "Unclassified drug overdose deaths in the opioid crisis: emerging patterns of inequity." Boslett, Andrew J., Alina Denham, Elaine L. Hill, and Meredith CB Adams
Journal of the American Medical Informatics Association, Aug 2019. Editor's Choice
53. "Shale Gas Transmission and Housing Prices." Boslett, Andrew J., Elaine L. Hill
Resource and Energy Economics, 2019.
54. "Reproductive Health Care in Catholic-Owned Hospitals." Hill, Elaine L., David JG Slusky, and Donna K. Ginther
Journal of Health Economics, March 2019. Also, see NBER WORKING PAPER 23768.
55. "Unconventional Natural Gas Development and Hospitalizations: Evidence From Pennsylvania, United States, 2003–2014." Denham, Alina, Mary Willis, Alexis Zavez, Elaine L. Hill
Public Health, March 2019.
56. "Shale Gas Development and Infant Health: Evidence from Pennsylvania." Hill, Elaine L.
Journal of Health Economics, Sept 2018.
57. "Unconventional Natural Gas Development and Pediatric Asthma Hospitalizations from 2003 to 2014 in Pennsylvania, USA." Willis, Mary, Todd Jusko, Jill Halterman, Elaine L. Hill
Environmental Research, Oct 2018.
58. "Psychosocial Implications of Unconventional Natural Gas Development: Quality of Life in Ohio's Guernsey and Noble Counties." Fisher, Michael P., Alex Mayer, Kaitlin Vollet, Elaine L. Hill, Erin N. Haynes
Journal of Environmental Psychology, 2018.
59. "The Economic and Health Effects of the 2014 Chemical Spill in the Elk River, West Virginia." Guilfoos, Todd, Dalton Kell, Andrew Boslett, Elaine L. Hill
American Journal of Agricultural Economics, 2017.
60. "Shale Gas Development and Drinking Water Quality." Hill, Elaine L., Lala Ma
American Economic Review: Paper & Proceedings, 107(5), 2017.
61. "Labor Migration and Health of Left-Behind Children in China." Lei, Lianlian, Feng Liu, Elaine L. Hill
Journal of Development Studies, 1-18, 2017.
62. "Bundling of Reimbursement for Inferior Vena Cava Filter Placement Resulted in Significantly Decreased Utilization between 2012 and 2014." Glocker, Roan J., Matthew J. TerBush, Elaine L. Hill, Joseph J. Guido, Adam Doyle, Jennifer L. Ellis, Kathleen Raman, Gary R. Morrow, and Michael C. Stoner
Annals of vascular surgery, Vol 38, January 2017.
63. "Patient Education of Consumer Mediated Health Information Exchange." Turvey, Carolyn L., Dawn M. Klein, Matthew Witry, J. Stacey Klutts, Elaine L. Hill, Bruce Alexander, and Kim M. Nazi

64. "The Environmental and Economic Effects of Localizing Food Supply Chains: Dairy in the Northeast US." Nicholson, Charles F., Xi He, Miguel I. Gómez, H. O. Gao, Elaine L. Hill
Environmental Science and Technology, 49(20): 2005-14, 2015.
65. "School Food Environments and Policies in US Public Schools." Finkelstein, Daniel M., Elaine L. Hill, and Robert C. Whitaker
Pediatrics, vol. 122, July 2008.

BOOK CHAPTERS

1. "Birth Spacing and Educational Outcomes" Hill, Elaine L., David JG Slusky, In
Human Capital and Health Behavior, pp. 3-29. Emerald Publishing Limited, 2017.

WORKING PAPERS

1. "Who Benefits from Hazardous Waste Cleanups? Evidence from the Housing Market." with Alecia Cassidy and Lala Ma, under review. Available as [NBER Working Paper 30661](#). *Revise and Resubmit at **Journal of Political Economy Microeconomics***
2. "Negotiations of Oil and Gas Auxiliary Lease Clauses: Evidence from Pennsylvania's Marcellus Shale." with Max Harleman and Pramod Manohar. Available as [NBER Working Paper 30806](#).
3. "Health and Water Impacts of Resource Conservation and Recovery Act Cleanups" with Alecia Cassidy and Lala Ma.
4. "Implications of Squeaky Wheels: Environmental Justice in Oil and Gas Regulatory Compliance." with Richard DiSalvo and Lujia Zhang.

OTHER PUBLICATIONS

1. "Does the Type of Legal Representation Affect Sentencing Outcomes?" Elaine Hill
Undergraduate Economic Review, 2005; 5(1).

GRANTS

Active

2024-2025 PI, NIA funded SBECCE Pilot Award, "Quantifying How the COVID-19 Pandemic Exacerbated Maternal Health Disparities During Continuous Postpartum Enrollment in Medicaid" Total Award: \$59,996

2024-2025 PI, IHHE/EHSC Research Catalyst Award "A Community-Engaged Study of Historically Redlined Districts, Heat, Health, and Housing in Rochester, NY: Data for Addressing Disparate Climate Change Risks" Total Award: \$50,000

2023-2028. Site PI & Co-Investigator, NIDA U24 DA058606, "MIRHIQL: Resource Center for Improving Quality of Life with Chronic Pain" Total Subaward: \$350,000

2022–2027. Multiple PI, NIDA U01DA057016, "Pandemic Mitigation, Community Economic and Social Vulnerability, and Opioid Use Disorder" Total Award: \$3,591,373

2022–2027. Site PI & Co-Investigator, NIMH R01MH131542 , "The Tale of two pandemics: Understanding Racial and ethnic disparities from the Collision of HIV and COVID-19 in the U.S" (PI: Rena Patel) Total Subaward: \$276,331

2022–2027. Site PI & Co-Investigator, NIDA U24DA057612 , "WF DISC: Navigating Data Solutions for Chronic Pain and Opioid Use Disorder" (PI: Meredith Adams) Total Subaward: \$700,164

2021–2026. Consultant & Co-Investigator, NIDA R24DA055306, "Wake Forest IMPOWR Dissemination Education and Coordination Center (IDEA-CC)" (PI: Meredith Adams) Total: \$15,000

2021–2025. Site PI & Co-Investigator, NIH OTA-21-015B, "Collaborative Analytics for EHR and Other Real-World Data in N3C" (MPI: Bennett, Haendel, Pfaff, Chute, Moffitt) Total Subaward: \$1,422,614

2021–2026. Co-Investigator, CDC 1U01IP001158-01 Grant, "Enhanced Surveillance Network for Enteric and Respiratory Viruses in Children: Assessing Disease Burden, Natural History, and Vaccine Effectiveness" New Vaccine Surveillance Network (NVSN) URM (PI: Geoffrey Weinberg) Total Award: \$7,208,235

2020–2025. Co-Investigator, NIH NCATS UL1 TR002001, "The University of Rochester's Clinical and Translational Science Institute" (PI: Bennett/Zand) Total Award \$19,107,872

2019–2025. Principal Investigator, NCI R01-equivalent CCDC Concept URCC18004CD (2UG1CA189961) "Understanding Drug Shortage Impacts on Oncology Care Delivery" Approximate Award: \$1.8m

2019–2025. Co-Investigator and Chair of CCDC Concept, NIH/NCI 2UG1CA189961 Grant, "University of Rochester Cancer Center (URCC) NCI Community Oncology Research Program (NCORP) Research Base" (MPI: Gary Morrow & Karen Mustian) Total Award: \$30,408,978

Completed

2020–2023. Site PI & Co-Investigator, Health Effects Institute Grant, "Impacts of Vehicle Emission Regulations and Local Congestion Policies on Birth Outcomes Associated with Traffic Air Pollution" (PI: Perry Hystad) Total Award: \$1.2M; sub-award: \$367,860

2022–2023. Principal Investigator (with MPI Julie Ryan), Wilms Cancer Institute Pilot, "Measuring Care Path Disparities in Older Adults with Lung Cancer and Cancer-related Toxicities" Total Award: \$25,000

2022–2023. Principal Investigator (with MPI Julie Ryan), CTSI Digital Health Pilot, "Prototype of novel care-path-based indicator of health equity for older adults with heart and lung disease" Total Award: \$25,000

2015–2022. Principal Investigator, NIH DP5OD021338, "The Health Consequences of Shale Gas Development" Total Award: \$1,922,066

2021–2022. Co-Investigator, Society of Maternal Fetal Medicine Pilot Grant, "Access to Care Among Pregnant Patients with Opioid Use Disorder in New York State" (PI: Neil Seligman) Total Award: \$13,000

2019–2020. "Prenatal Vaping in the United States: Patterns of E-cigarette Use and Cessation by Product Characteristics and Maternal Demographics", CRoFT Pilot Grant, PI: Hill, \$20,944

2019–2020. “Behind the Pipes: Tennessee Public Water Systems Operators Insights on Challenges of Ensuring a Safe Drinking Water Supply”, Meharry-Vanderbilt Community Engaged Research Core Vanderbilt CTSA Mini-Grant Program PI: McDonald; Co-I: Hill, \$10,000

2019–2020. Discovery Grant Vanderbilt (MPI: McDonald & Hornberger; Co-I: Hill \$100,000

2015–2016. “Defining Mechanisms of Exposure: Shale Gas Wastewater and Community Drinking Water Systems.”, URM C EHSC IHSFC Grant MPI: Hill & Ma, \$8,000

2015–2016. Duke FLARE Grant “Shale Gas Development and Air Quality” (MPI: Hill & Timmins, \$100,000)

2014–2019. “University of Rochester Cancer Center (URCC) NCI Community Oncology Research Program (NCORP) Research Base” NIH/NCI 5 UG1 CA189961; MPI: Morrow & Mustian, Co-I: Elaine L Hill, Total Award: \$21,147,921

2014–2016. “Shale Gas Development and Infant Health: Evidence from Texas.” USDA Cooperative Agreement, PI: Elaine L Hill; Total Award: \$20,286

2013. Cornell Population Center Rapid Response Grant; Total Award: \$2,000

2012–2013. Cornell Population Center Conference Travel Grant to PAA Meetings (\$800)

2011. Cornell Population Center Seed Grant with David Sahn Total Award: \$9,950

INVITED TALKS AND SEMINARS

(including scheduled)

2024: University of Pennsylvania; Resources for the Future; Cornell University; University of Delaware, Department of Economics; RPI, Department of Economics; Expert Panelist “Frontiers of Benefit-Cost Analysis: Non-Fatal Health Effects” hosted by the White House’s National Science and Technology Council (NSTC)

2023: Rutgers University; Health Effects Institute Research Committee; Indiana University; Rochester Institute of Technology; University of Delaware (scheduled); Community Advisory Board, Environmental Health Sciences Center

2022: Texas Traffic Institute (TTI); Manchester Centre for Health Economics, The University of Manchester, UK; SUNY Albany; Neurology Grand Rounds, URM C

2021: CTSI Hub, URM C; Indiana University (presented by coauthor); Yale University (presented by coauthor); Indiana University; Emergency Medicine & COVID-19 — Past, Present, and Future 6th Annual Upstate New York Emergency Medicine Interest Group Symposium; Croft Research Seminar & Career Story, URM C; T32 Invited Seminar, Department of Biostatistics, URM C

2020: Wayne State University (cancelled due to COVID-19); Symposium on Emerging Issues in Environmental and Public Health, University of Rochester

2019: International Society for Environmental Epidemiology Invited Symposium

2018: State University of New York At Albany; University of West Virginia; Iowa State University (presented by coauthor); Pennsylvania State University (presented by coauthor); Northern Illinois University (presented by coauthor); Shale & Public Health Conference, Pittsburgh, PA; New York’s Water Event (American Water Works Association)

2017: NBER Summer Institute; Cornell University; Cleveland Federal Reserve Bank- University of Kentucky Joint Conference (presented by coauthor); CIRC Symposium; Georgia State University; University of Chicago; Binghamton University; American Statistics Association Conference on Data Science, Statistics, and Environment, Buffalo, NY (Invited Panelist); Georgia State University (presented by coauthor); University of Chicago; Binghamton University

2016: URM C HSR seminar

2015: Center for Environmental Health (national webinar); URM C seminars (EHSC; Ob/gyn; CHARM; Center for Energy and Environment); Integrative Medicine Conference

2014: Triangle Resource and Environmental Economics (TREE) Seminar; Symposium on Health & the Marcellus Shale in Maryland; University of Maryland College Park; University of Rochester; Resources for the Future; University of Maryland Baltimore County

2013: Cornell PAM and Cornell Population Center joint Seminar; Cornell City and Regional Planning Seminar; Panel on Public Health Implications of Shale Gas at CUNY School of Public Health; Oberlin College

2012: SIPA Seminar at Columbia University; Hydraulic Fracturing Forum of the New York State Senate Conference; Cornell Institute on Health Economics, Health Behaviours and Disparities research lunch seminar

CONFERENCES (INCLUDING SCHEDULED)

(* indicates presentation by a collaborator, ** indicates presentation by trainee)

2024: American Society of Health Economists Annual Meeting*; SBE CCC Annual Meeting; Association of Environmental and Resource Economists (AERE);

2023: American Economic Association (discussant), Human Health and the Environment Research Symposium, University of Rochester, Northeast Workshop on Energy Policy and Environmental, Cornell University, Association of Environmental and Resource Economists (AERE)

2022: American Economic Association (discussant), Allied Social Sciences Association Annual Meeting (discussion), Association of Environmental and Resource Economists (AERE), American Society of Health Economists*, Association for Public Policy Analysis and Management, Society for Maternal Fetal Medicine** (poster), International Society for Environmental Epidemiology**

2021: American Economic Association*, American Society of Health Economists, International Society for Environmental Epidemiology*, AcademyHealth*, Allied Social Sciences Association, Southern Economic Association, Society for Maternal Fetal Medicine*

2020: Southern Economic Association, American Society of Health Economists (cancelled due to COVID), International Society for Environmental Epidemiology, AcademyHealth, Society For Research on Nicotine and Tobacco (poster) (cancelled due to COVID)

2019: American Society of Health Economists, International Society for Environmental Epidemiology, AcademyHealth, Association of Environmental and Resource Economists (AERE)*, Northeastern Agricultural and Resource Economics Association (NAREA)*, United States Association or Energy Economics (USAEE)*

2018: American Economic Association, Philadelphia; Population Association of America; International Society for Environmental Epidemiology*; Shale Network 2018; NIH High Risk High Reward Symposium (poster), Conference for Upstate Chapters of the American Statistical Association, AcademyHealth*, World Congress of Environmental and Resource Economists, Gothenburg, Sweden*

2017: American Economic Association, Chicago; MEA Annual Conference; VEAM FEST 2017; AERE Summer Conference; International Health Economics Association; Association for Public Policy Analysis and Management

2016: Society of Labor Economics Conference; Gothenburg Symposium on Human Capital and Health Behaviour; ASHEcon

2015: Association for Public Policy Analysis and Management

2014: American Economic Association; International Society for Environmental Epidemiology

2013: Environment and Health Conference of ISEE, ISES and ISIAQ in Basel, Switzerland; EconCon, Columbia University; AAEA and CAES Joint Meeting in Washington, D.C; NBER Summer Institute Health Economics (attendee); Population Association of America Annual Meeting in New Orleans, LA (Poster)

2012: Cornell Population Center Encore Conference; SRSA and Bucknell Research Workshop on Shale gas/oil extraction; Multi-State Marcellus Shale Research Conference (Poster); Population Association of America Annual Meeting

Recent Discussions

"The Power of Perception: Limitations of Information in Reducing Air Pollution Exposure" by Bridget Hoffman et al. (ASSA 2023)

"Internalizing Externalities: Disclosure Regulation for Hydraulic Fracturing, Drilling Activity and Water Quality" by Bonetti et al. (ASSA 2022)

"(Re)Scheduling Pollution Exposure: The Case of Surgery Schedules and Patient Mortality" by Huang et al. (ASHEcon 2021)

"Drill, Baby, Drill: Natural Resource Shocks and Fertility in Indonesia" by Brehm & Brehm (Southern Economic Association 2020)

PROFESSIONAL SERVICE

Referee for: *American Economic Journal: Economic Policy; Quarterly Journal of Economics; Journal of Political Economy: Micro; Journal of Human Resources; Journal of Health Economics; Health Economics; Journal of the Association of Environmental and Resource Economists; Economic Journal; Journal of Environmental Economics and Management; American Journal of Health Economics; Journal of the European Economic Association; European Economic Review; Journal of Policy Analysis and Management; Science; Proceedings of the National Academy of Sciences; Demography; Energy Policy; JAMA Network Open; Science of Total Environment; PLOS One; Energy Economics; Social Science and Medicine; The American Journal of Drug and Alcohol Abuse; Environment International; Environmental Health Perspectives; Applied Clinical Informatics; Lancet Planetary Health; MRS Energy and Sustainability; Energy Economics; Economics and Human Biology; IJERPH; Environmental Research; Population Studies; Rural Sociology; Preventive Medicine; American Journal of Preventive Medicine; Pain Medicine; Maternal and Child Health Journal*

Session Organizer: Association for Public Policy Analysis and Management (2016); American Society of Health Economists (2016, 2020); International Health Economics Association (2017); International Society of Environmental Epidemiology (Symposium, 2019)

External Educational Contribution:

Mentor for: AERE Junior Faculty Scholars, Association of Environmental and Resource Economists (Mentee: Tihitina Andarge) 2023-2024; American Economic Association (AEA) Mentoring Program, 2023; Research In Color, 2023; Research In Color, 2022; AERE Junior Faculty Scholars, Association of Environmental and Resource Economists (Mentee: Michelle Marcus) 2021-2022; Sadie Collective Research Scholar 2021; Successfully Navigating Your PhD: A Mentoring Workshop for 3rd and 4th Year Women & Non-Binary PhD Students in Health Economics & Health Policy 2021; Student and Early Career Professionals Mentoring Session, American Society of Health Economists Annual Meeting 2019

Organizer & Mentor for: Successfully Navigating Your PhD: A Mentoring Workshop for 3rd Year + Women & Non-Binary PhD Students in Economics & Economics-Adjacent Fields 2022

External Advisory and Research Review Committee

Grants review: Environmental Protection Agency (EPA)

NIH Referee Service: Ad Hoc Reviewer, 2016; 2017; Reviewer for NIEHS Rapid R21, 2020; Reviewer for NIDA Translating Research to Practice to End the Overdose Crisis (R61/R33) 2023; Reviewer for NIH Special Emphasis Panel/Scientific Review Group ZRG1 F18 E 20 Fellowships: Epidemiology and Population Sciences 2024

Scientific Committee Member: American Society of Health Economists (2015, 2017–2022); Association of Environmental and Resource Economists (2022–2023)

COMMITTEES AND UNIVERSITY SERVICE

2023-	Search Committee for AVP for Human Subject Protection
2023-	Search Committee for UR GIDS faculty search in computational social science
2023-	Faculty Senate Nominated Committee Member, UR Faculty Budget Committee
2022-	Reviewer, UR Schwartz Discover Grant Review Committee (annual review)
2022-	CTSI KL2 Review Committee
2022-	Quality Institute Research & Evaluation Working Group
2022-	Faculty Advisor, Junior Faculty Biomedical Research Association (JFBRA)
2021-	Subcommittee on social inequality and social justice for UR Provost's Strategic Plan
2021-	CTSI KL2 Review Committee
2021-	CTSI Informatics Strategic Planning Group
2021	Commitment Management Subgroup, SMD Budget Workgroup
2020-	Wilmot Cancer Institute Cancer Prevention and Control Working Group
2020-	Peer to Peer Messenger for Professionalism
2020-	RESIN Committee to promote Junior Faculty
2019-	Graduate Education Leadership Series
2018-	Faculty Senate Nominated Committee Member, URM Salary Equity Study
2018-	Co-Director Junior Faculty Biomedical Research Association
2017-	Department of Public Health Sciences HPOR Faculty Search Committee
2017-	Member of CTSI Population Health Data Group
2017-	Assistant Director Junior Faculty Biomedical Research Association
2015-	Department of Public Health Sciences HSR PhD Comprehensive Exam Committee

- 2014- Department of Public Health Sciences Graduate Program Committee
- 2014- Department of Public Health Sciences HSR PhD Admissions Committee
- 2014- Department of Public Health Sciences MPH Admissions Committee
- 2014- Cancer Care Delivery Research Committee, University of Rochester National
Oncology Community Research Program (NCORP) Research Base

MEMBERSHIPS

American Economic Association; American Society for Health Economists; Association of Environmental and Resource Economists; International Society for Environmental Epidemiology

TEACHING

- 2015- PM 483: Advanced Health Economics II
- 2015- PM 431: Advanced Methods for Health Services Research
- 2015- Guest Lecture- PM 470 Environmental and Occupational Epidemiology (6)
- 2015- Guest Lecture- PM 413 Field Epidemiology
- 2015- Guest Lecture- Science and Sustainability, Arts and Sciences (5)
- 2016- Guest Lecture- PM 415 Principles of Epidemiology (2)
- 2018- Guest Lecture- PH 201 Environmental Health (2)
- 2019- Guest Lecture- Introduction to Health Services Research

ADVISING & MENTORING

Early Stage Faculty

- Lauren Ghazal, 2024-
- Tihitina Andarge & AERE Scholars Program, 2023-2024
- Cait Dreisbach, 2023-
- Max Harleman, 2022-
- Reza Yousefi-Nooraie, 2022-
- Michelle Marcus & AERE Scholars Program, 2021-2022

Postdoctoral Fellows

- Konstantin Kunze, 2023-
- Daniel Guth, 2023-
- Max Harleman (Visiting Fellow; 2021-2022) — first placement: Georgia College
- Andrew Boslett (2016-2021) — first placement: Amazon

Predoctoral Fellows

- Grace Sventek, 2023-
- Aniket Patil, 2024-

Medicine Fellows

Margaret Wilkes (2022-) — Urogynecology

Stefanie Hollenbach (2018-2020) — first placement: Faculty Maternal Fetal Medicine URM

Current Graduate Students

(*denotes chair or co-chair, otherwise committee member or PI)

Deniz Naghibi (PhD; HSR)

Suiyue Cui (PhD; HSR)*

Khadijah Bland (PhD; HSR)*

Lena Harris (PhD; Economics)*

Claire Herrman (PhD; HSR)*

Qiuyuan Qin (PhD; HSR)

Hillary Marsfelder-Clark (PhD; Nursing)

Previous Graduate Students

(*denotes chair, otherwise committee member)

Teraisa Chloros (PhD; HSR) '2024— first placement: Rochester RHIO

Savanah Russ (PhD; Epidemiology)'2023

Klint Mane (PhD; Economics)'2023— first placement: economic consulting

Victor Hernandez (PhD; Economics)'2021— first placement: Cleveland Federal Reserve

Alina Denham (PhD; HSR)'2021— first placement: postdoc at Harvard

Michele Burtner (MPH)'2021— Faculty at URM

Yoon Kim (PhD; HSR)'2020— first placement: Anthem, Inc.

Mary Willis, MPH (PhD; Epidemiology at Oregon State University)'2020—first placement: postdoc at Boston University (now Assistant Professor at BU)

Elizabeth Greener* (PhD; HSR)'2020— first placement: Washington State Department of Health

Richard DiSalvo* (PhD; Economics)'2019— first placement: postdoc at Princeton University

Mechelle Sanders (PhD; HSR)'2019— first placement: URM Department of Family Medicine

Twylla Dillion (PhD; HSR)'2019— first placement: United Way

Kiah Mayo* (MPH)'2019 — first placement: staff in Dept of Orthopedics URM

Nicolas Goldstein (PhD; HSR)'2018— first placement: Children's Hospital of Philadelphia

Michael Chen (PhD; HSR)'2019— first placement: Nazareth College

Alon Bergman (PhD; Economics)'2018— current placement: postdoc at Wharton Business School

Adan Becerra (PhD; Epidemiology)'2017— first placement: Research Analyst, Aledade

Mary Willis* (MPH)'2016— first placement: PhD student in Epidemiology, OSU

External Committee Member

Sparshi Srivastava (PhD; UMass Amherst), 2023–

Defense Chair

Jack Chang (PhD; Translational Biomedical Sciences), 2022

Graduate Research Assistants

Qiuyuan Qin (PhD; HSR), 2019

Klint Mane (PhD; Economics), 2022-2023

Alexis Zavez (PhD; Biostatistics), 2015-2018

Linxi Liu (PhD; Epidemiology), 2017-2018

Medical Students

Ankit Medhekar, 2018-2019

Data Science Master's Students

Anik De, 2024

Ashika Kotia, 2024

Richa Yadav, 2023

Sohrab Jaferian, 2023

Sharad Singh, 2023

Ayushi, 2022

Jordan Pappas, 2020-2021

McNair Scholars

Karla Zendejas, Economics, 2021

Samantha Boerner, Economics, 2015

Current Undergraduate Students

Name	Major(s)	Year(s)
Jingyao Wang	Data Science & Economics	2024-
Yi Ren	Data Science & Economics	2024-
Rishika Chikoti	REMS	2024-
Amaar Alwani	REMS	2024-
Sarjona Sritharan	Environmental Health	2024-
Laurel Tay	Economics	2023-
Edward Huang	Economics	2023-
Catherine Xie	Biology & Data Science	2022-

Previous Undergraduate Students

Name	Major(s)	Year(s)
Mira Chaskes	Economics & Math, first placement: predoc with Nathaniel Hendren (MIT)	2021-2024

Junya Jian	Data Science	2023-2024
Isaac Li	Economics & Math	2022-2024
Zhushan Xie	Data Science	2022-2024
Yuchen Li	Data Science	2022-2024
Helena Rajalingam	Public Health	2022-2023
Ethan Sawyer	Economics	2022-2023
Karla Zendejas	Economics	2021-2023
Pramod Manohar	Economics; currently UC Berkeley PhD student	2021-2023
Evan Volkin	Economics	2018-2023
Avery Girskey	Data Science & Math	2021-2023
Esha Mardikar	Economics	2021-2023
Alan Rojas	Economics & Environmental Science	2022
Odesssa Amaryllis	Environmental Science & Sustainability	2021-2022
Varita Nair	Economics	2021-2022
Dokata Banchale	Economics and Statistics	2018-2022
Fariha Haque	Economics	2021
Erin Campbell	Economics and Public Health	2018-2020
Prajita Shreshta	Business Economics	2018-2020
Senqi Zhang	Data Science	2020-2021
Arun Ramesh	Data Science and Economics; currently UCLA PhD student	2020-2021
Paloma Avendano	Economics and Statistics	2020-2021
Kathleen Bisson	Economics	2019-2020
Jordan Pappas	Economics and Business	2018-2020
Tarsha Vasu	Economics and Business	2018-2020
Samiksha Vittalraj	Economics	2018-2020
Anne Stoessel	Health Policy	2018-2019
Destinee Rodriguez	Public Health	2017
Lujia Zhang	Economics and Health Policy; currently Harvard PhD student	2016-2019
Elliot Ding	Economics	2016-2018
Devin Sonne	Chemical Engineering & Environmental Science	2017-2018
Griffin Pellitteri	Environmental Health	2018-
Shafaul Sharup	Public Health	2017-2018
Eleanor Esbrook	Microbiology & Health, Behavior and Society	2016-2018
Eric Yde	Economics; currently UVA PhD Student	2016-2017
Mark Yde	Economics	2016-2017
Eudora Erickson	Economics	2016-2017

Paul Robaszewski	Economics	2015–2017
Laura Ackerman	Economics	2015–2017
Riley Hadden	Economics	2015

LANGUAGES AND COMPUTER SKILLS

Languages: English (Native), Hindi (Basic), Swahili (Basic)

Computer skills: STATA; R; Python; LaTeX; ArcGiS

Last updated: November 15, 2024