Norman Grantham Miller

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Current Positions

Henry J. Kaiser, Jr. Professor, School of Medicine, Stanford University 2021–Present
Professor of Economics (by courtesy) 2021–Present
Senior Fellow, Stanford Institute for Economic Policy Research, Stanford University 2014–Present
Senior Fellow, Freeman Spogli Institute for International Studies, Stanford University 2012–Present

Past Positions

Professor of Medicine, Stanford University 2020–2021
Associate Professor of Medicine (with tenure), Stanford University 2012–2020
Associate Professor of Economics (by courtesy) 2012–2020
Founding Director, Stanford King Center on Global Development, 2019 2014–2019
Director of predecessor centers (Stanford Center on Global Poverty and Development, 2017–2019, and Stanford Center for International Development, 2014–2017)
Visitor, Department of Economics, Universidad de los Andes (Bogotá, Colombia) 2008–2010
Assistant Professor of Medicine, Stanford University 2005–2012
Assistant Professor of Economics (by courtesy) 2006–2012

Education

Ph.D., Health Policy (Economics Track), Harvard University 2005
Committee: David Cutler (Chair), David Bloom, Ken Chay, and Richard Frank
Master of Public Policy, John F. Kennedy School of Government, Harvard University 2000
B.A., Psychology (Intensive Major with Distinction), Yale University 1995

Outside Professional Activity

Consultant, A.T. Kearney Saudi Arabia Ltd. 2019

Honors and Affiliations

Best Paper Prize, Essen Health Conference (with Áureo de Paula and Christine Valente) 2020
Dong Wei Faculty Fellow, Stanford King Center on Global Development 2020–2022
Fellow, Stanford King Center on Global Development 2019–
Scientific Advisory Committee, Michigan Contraceptive Access, Research, and Evaluation Study (M-CARES) 2018–2020

Non-Resident Fellow, Center for Global Development	2015–
Global Advisory Board, Kolkata Public Health Institute	2015–2016
Faculty Committee, Center for Effective Global Action (CEGA)	2015–2018
Research Affiliate, International Growth Centre (IGC)	2015–
Affiliate, Abdul Latif Jameel Poverty Action Lab (J-PAL)	2014–
Research Associate, ESRC Research Centre for Micro-Social Change (MISOC), Institute for Social and Economic Research, University of Essex	2013–2019
Excellence in Refereeing Award, American Economic Review	2013
Research Associate, National Bureau of Economic Research (NBER)	2012–
Member, Urban Services Initiative, Abdul Latif Jameel Poverty Action Lab (J-PAL)	2012–2014
Divisional Teaching Award, Department of Medicine, Stanford University	2011
Faculty Affiliate, Center for Effective Global Action (CEGA)	2011–
Inter-American Prize for Research on Social Security, Conferencia Interamericana de Seguridad Social (CISS) (with Diana Pinto and Marcos Vera-Hernández)	2010
International Research Fellow, Centre for Market and Public Organisation (CMPO), University of Bristol	2010–2012
Divisional Teaching Award, Department of Medicine, Stanford University	2009
Faculty Affiliate, Woods Institute for the Environment, Stanford University	2009–
Faculty Affiliate, Interdisciplinary Program in Environment and Resources (IPER), Stanford University	2007–
Biennial Prize for Distinguished Contribution to Population Scholarship, American Sociological Association Section on Population (with David Cutler)	2006
Best Student Paper Prize, American Society of Health Economists (ASHE)	2006
Faculty Research Fellow, National Bureau of Economic Research (NBER)	2005–2012
Faculty Fellow, Stanford Center for International Development	2005–
Faculty Affiliate, Stanford Center for Latin American Studies	2005–
Pre-Doctoral Fellow in Aging and Health Economics, National Bureau of Economic Research (NBER)	2002–2005
Graduate Student Fellow, Harvard Center for International Development	2002–2004
Doctoral Trainee, Agency for Healthcare Research and Quality (AHRQ)	2000–2002

Refereed Publications

"Human-Centered AI in the Fight Against Modern Slavery in Brazil's Arc of Deforestation," Provisionally accepted, *Harvard Data Science Review* (with Kimberly Singer Babiarz, Benjamin B. Seiler, Luis Fabiano de Assis, Jonas Botelho Junior, Jessie Brunner, Vicki Ward, Lydia Aletraris, and Mike Baiocchi).

"Bureaucratic Incentives Shaped Effectiveness of the One-Child Policy in China," *Nature*, 11 November 2026 (with Lingsheng Meng, Hanmo Yang, and Hongbin Li). `https://doi.org/10.1038/s41586-026-11232-w`.

"The Limits and Consequences of Population Policy: Evidence from China's Wan Xi Shao Campaign," Accepted, *Review of Economics and Statistics* (with Kim Singer Babiarz, Paul Ma, and Shige Song).

"Productivity Gains and Work Conditions in Coercive Labor Markets: Experimental Evidence from the Bangladesh Brick Sector," *Proceedings of the National Academy of Sciences USA* 123(29), e2528388123, 2026 (with Debashish Biswas, Aprajit Mahajan, Kim Singer Babiarz, Nina Brooks, Jessie Brunner, Sania Ashraf, Jack Shane, Alvise Scarabosio, Sameer Maithel, Shoeb Ahmed, Moogdho Mahzab, Mohammad Rofi Uddin, Mahbubur Rahman, and Steve Luby).

"A Global Analysis of Within-Country Health Inequalities," *JAMA Health Forum* 6(10): e253611, 2025 (with Eran Bendavid, Alexandra Littleton, Meredith Fenyo, and Iván Mejía).

"The Prevalence and Characteristics of Labor Trafficking in Brazilian Agriculture," *Journal of Human Trafficking* 11(4): 394–414, 2025 (with Kim Singer Babiarz, Jessie Brunner, Luis de Assis, Victoria Ward, and Mike Baiocchi).

"The Impact of United States Assimilation and Allotment Policy on American Indian Mortality," *Proceedings of the National Academy of Sciences USA* 122(28), e2418836122, 2025 (with Jack Shane and C. Matthew Snipp).

"Reducing Emissions and Air Pollution from Informal Brick Kilns: Evidence from Bangladesh," *Science* 388(6747), eadr7394, 2025 (with Nina Brooks, Debashish Biswas, Sameer Maithel, Aprajit Mahajan, Mohammad Rofi Uddin, Shoeb Ahmed, Moogdho Mahzab, Mahbubur Rahman, and Steve Luby).

"Subjective Expectations and Demand for Contraception," *Journal of Econometrics* 249, 105997, 2025 (with Áureo de Paula and Christine Valente).

"Risk Perceptions and Private Protective Behaviors: Evidence from the COVID-19 Pandemic," *Review of Economics and Statistics* 107(3): 1–13, 2025 (with Kate Bundorf, Jill DeMatteis, Maria Polyakova, Jialu Streeter, and Jonathan Wivagg).

"Removing Lead from the Global Economy," *Lancet Planetary Health* 8(11), E966–E972, 2024 (with Eran Bendavid, Jenna Forsyth, Zafar Fatmi, Howard Hu, Philip Landrigan, Bruce Lanphear, Steve Luby, Erica Plambeck, Mahbubur Rahman, Jesmin Sultana, and Peter Winch).

"Are Self-Reported Fertility Preferences Biased? Evidence from Indirect Elicitation Methods," *Proceedings of the National Academy of Sciences USA* 121(34), e2407629121, 2024 (with Christine Valente, Wen Qiang Toh, Inuwa Jalingo, Aurélia Lépine, and Áureo de Paula).

"Building Blocks of Change: The Energy, Health, and Climate Co-Benefits of More Efficient Brickmaking in Bangladesh," *Energy Research and Social Science* 117, 103738, 2024 (with Nina Brooks, Debashish Biswas, Sameer Maithel, Sonal Kumar, Mohammad Rofi Uddin, Shoeb Ahmed, Moogdho Mahzab, Mahbubur Rahman, and Steve Luby).

"The Changing Relationship between Bodyweight and Longevity in High- and Low-Income Countries," *Economics and Human Biology* 54, 101392, 2024 (with Vincenzo Atella, Jay Bhattacharya, and Joanna Kopinska).

"U.S. Global Health Aid Policy and Family Planning in Sub-Saharan Africa," *Science Advances* 9, eadk2684, 2023 (with Nina Brooks, Matt Gunther, Eran Bendavid, Elizabeth H. Boyle, and Kathryn Grace).

"The Importance of Wage Loss in the Financial Burden of Illness: Longitudinal Evidence from India," *Social Science & Medicine* 317: 1–7, 2023 (with Aditya Shrinivas, Suhani Jalota, and Aprajit Mahajan).

"Re-Examining the Contribution of Public Health Efforts to the Decline in Urban Mortality: Comment," *American Economic Journal: Applied Economics* 14(2): 158–165, 2022 (with David Cutler).

"Urban Water Disinfection and Mortality Decline in Lower-Income Countries: Evidence from Mexico's Programa Agua Limpia," *American Economic Journal: Economic Policy* 13(4): 490–520, 2021 (with Sonia Bhalotra, Alberto Diaz-Cayeros, Alfonso Miranda, and Atheendar Venkataramani).

"Different Strokes for Different Folks: Experimental Evidence on the Effectiveness of Input and Output Incentive Contracts for Maternal Health Care in India," *American Economic Journal: Applied Economics* 13(4): 34–69, 2021 (with Katherine Donato, Manoj Mohanan, Yulya Truskinovsky, and Marcos Vera-Hernández).

"Technological Progress and Health Convergence: The Case of Penicillin in Post-War Italy," *Demography* 58(4): 1473–1498, 2021 (with Marcella Alsan, Vincenzo Atella, Jay Bhattacharya, Valentina Conti, and Iván Mejía-Guevara).

"Agreement between Dried Blood Spots and HemoCue in Tamil Nadu, India," *Scientific Reports* 11: 9285, 2021 (with Rohini Bingewar, Sangeeta Kulkarni, Aprajit Mahajan, Reynaldo Martorell, Rukshan Meta, Reshma Roshania, Ashwini Shete, and Alessandro Tarozzi).

"Can Bureaucrats Really be Paid Like CEOs? School Administrator Incentives for Anemia Reduction in Rural China," *Journal of the European Economic Association* 18(1): 165–201, 2020 (with Renfu Luo, Scott Rozelle, Sean Sylvia, and Marcos Vera-Hernández).

"United States Aid Policy and Induced Abortion in Sub-Saharan Africa: An Analysis of the Mexico City Policy," *Lancet Global Health* 7(8): PE1046–E1053, 2019 (with Eran Bendavid and Nina Brooks).

"Population Sex Imbalance in China before the One Child Policy," *Demographic Research* 40: 319–358, 2019 (with Kim Singer Babiarz, Paul Ma, and Shige Song).

"Personality Traits and Performance Contracts: Evidence from a Field Experiment among Maternity Care Providers in India," *American Economic Review: Papers and Proceedings* 107(5): 506–510, 2017 (with Katherine Donato, Manoj Mohanan, Yulya Truskinovsky, and Marcos Vera-Hernández).

"Effect of a Social Franchising and Telemedicine Programme on Health Care Providers' Knowledge of, and Quality of Care for, Childhood Diarrhoea and Pneumonia in Bihar, India," *Bulletin of the World Health Organization* 95: 343–352, 2017 (with Veena Das, Soledad Giardili, Jeremy Goldhaber-Fiebert, Manoj Mohanan, Tracy Rabin, Sunil Raj, Jeremy Schwartz, Aparna Seth, and Marcos Vera-Hernández).

"Effect of a Large-Scale Social Franchising and Telemedicine Program on Childhood Diarrhea and Pneumonia Outcomes in India," *Health Affairs* 35(1): 1800–1809, 2016 (with Manoj Mohanan, Kim Singer Babiarz, Jeremy Goldhaber-Fiebert, and Marcos Vera-Hernández).

"Ambulance Service Associated with Reduced Probabilities of Neonatal and Infant Mortality in Two Indian States," *Health Affairs* 35(1): 1774–1782, 2016 (with Kim Singer Babiarz, Nomita Divi, and S.V. Mahadevan).

"Population Policy: Abortion and Modern Contraception are Substitutes," *Demography* 53(4): 979–1009, 2016 (with Christine Valente).

"Family Planning Program Effects: Evidence from Microdata," *Population and Development Review* 42(1): 7–26, 2016 (with Kim Singer Babiarz).

"Intended and Unintended Consequences of China's 'Zero Mark-Up' Drug Policy," *Health Affairs* 34(8): 1391–1398, 2015 (with Shaoping Li, Scott Rozelle, Hongmei Yi, and Linxiu Zhang).

"Family Planning: Program Effects," in Irma Elo and Andrew Foster (volume eds.), *International Encyclopedia of the Social and Behavioral Sciences, Second Edition*, Elsevier, 2015 (with Kim Singer Babiarz).

"An Exploration of China's Mortality Decline under Mao: A Provincial Analysis, 1950–1980," *Population Studies* 69(1): 39–56, 2015 (with Karen Eggleston, Kim Singer Babiarz, and Qiong Zhang).

"Learning about New Technologies through Social Networks: Experimental Evidence on Non-Traditional Stoves in Bangladesh," *Marketing Science*, 31(4): 2014 (with Mushfiq Mobarak).

"Impact of the Chiranjeevi Yojana Program on Institutional Deliveries and Birth Outcomes in Gujarat, India," *Bulletin of the World Health Organization* 92: 187–194, 2014 (with Sebastian Bauhoff, Manoj Mohanan, Gerard La Forgia, Kim Singer Babiarz, and Kultar Singh).

"Pay-for-Performance Incentives in Low- and Middle-Income Country Health Programs," in Tony Cuyler (ed.), *Encyclopedia of Health Economics*, Elsevier, 2014 (with Kim Singer Babiarz).

"Risk Protection, Service Use, and Health Outcomes under Colombia's Health Insurance Program for the Poor," *American Economic Journal: Applied Economics* 5(4): 61–91, 2013 (with Diana Pinto and Marcos Vera-Hernández).

"To Promote Adoption of Household Health Technologies, Think Beyond Health" [Commentary], *American Journal of Public Health* 103(1): 1736–1740, 2013 (with Mark Thurber, Christina Warner, Lauren Platt, Alexander Slaski, and Rajesh Gupta).

"The Gorbachev Anti-Alcohol Campaign and Russia's Mortality Crisis," *American Economic Journal: Applied Economics* 5(2): 232–260, 2013 (with Jay Bhattacharya and Christina Gathmann).

"PEPFAR and Adult Mortality – Reply" [Letter], *Journal of the American Medical Association* 308(10): 972–973, 2012 (with Eran Bendavid and Charles Holmes).

"Effectiveness of Provider Incentives for Anaemia Reduction in Rural China: A Cluster Randomised Trial," *BMJ* 345: e4809, 2012 (with Renfu Luo, Linxiu Zhang, Sean Sylvia, Yaojiang Shi, Patricia Foo, Qiran Zhao, Reynaldo Martorell, Alexis Medina, and Scott Rozelle).

"Low Demand for Nontraditional Cookstove Technologies," *Proceedings of the National Academy of Sciences USA* 109(27): 10815–10820, 2012 (with Mushfiq Mobarak, Puneet Dwivedi, Robert Bailis, and Lynn Hildemann).

"The Limits of Health and Nutrition Education: Evidence from Three Randomized Controlled Trials in Rural China," *CESifo Economic Studies* 58(2): 385–404, 2012 (with Renfu Luo, Yaojiang Shi, Linxiu Zhang, Huiping Zhang, Alexis Medina, and Scott Rozelle).

"HIV Development Assistance and Adult Mortality in Africa," *Journal of the American Medical Association* 307(19): 2060–2067, 2012 (with Eran Bendavid, Charles Holmes, and Jay Bhattacharya).

"Impact of China's New Cooperative Medical Scheme on Township Health Centers," *Health Affairs* 31(5): 1065–1074, 2012 (with Kim Singer Babiarz, Hongmei Yi, Linxiu Zhang, and Scott Rozelle).

"United States Aid Policy and Induced Abortion in Sub-Saharan Africa," *Bulletin of the World Health Organization* 89: 873–880, 2011 (with Eran Bendavid and Patrick Avila).

"Anaemia among Students of Rural China's Elementary Schools: Prevalence and Correlates in Ningxia and Qinghai's Poor Counties," *Journal of Health, Population and Nutrition* 29(5): 471–485, 2011 (with Renfu Luo, Linxiu Zhang, Chengfang Liu, Qiran Zhao, Yaojiang Shi, Elaine Yu, Brian Sharbono, Alexis Medina, Scott Rozelle, and Reynaldo Martorell).

"Cyclicality, Mortality, and the Value of Time: The Case of Coffee Price Fluctuations and Child Survival in Colombia," *Journal of Political Economy* 118(1): 113–155, 2010 (with Piedad Urdinola).

"The Relation of Price of Antiretroviral Drugs and Foreign Assistance with Coverage of HIV Treatment in Africa: Retrospective Study," *BMJ* 341: c6218, 2010 (with Eran Bendavid, Jay Bhattacharya, Eric Leroux, and Nicole Smith).

"New Evidence on the Impact of China's New Cooperative Medical Scheme and Its Implications for Rural Primary Care," *BMJ* 341: c5617, 2010 (with Kim Singer Babiarz, Hongmei Yi, Linxiu Zhang, and Scott Rozelle).

"Contraception as Development? New Evidence from Family Planning in Colombia," *Economic Journal* 120(545): 709–736, 2010.

"The U.S. Global Health Initiative: Informing Policy with Evidence" [Commentary], *Journal of the American Medical Association* 304(7): 791–792, 2010 (with Eran Bendavid).

"AIDS and Declining Support for Africa's Dependent Elderly: A Retrospective Analysis Using Demographic and Health Surveys," *BMJ* 340: c2841, 2010 (with Tim Kautz, Eran Bendavid, and Jay Bhattacharya).

"Women's Suffrage, Political Responsiveness, and Child Survival in American History," *Quarterly Journal of Economics* 123(3): 1287–1327, 2008.

"Evidence on Early-Life Income and Late-Life Health from America's Dust Bowl Era," *Proceedings of the National Academy of Sciences USA* 104(33): 13244–13249, 2007 (with David Cutler and Doug Norton).

"Water, Water Everywhere: Municipal Finance and Water Supply in American Cities," in Edward Glaeser and Claudia Goldin (eds.), *Corruption and Reform: Lessons from America's Economic History*, University of Chicago Press, 2006 (with David Cutler).

"The Role of Public Health Improvements in Health Advances: The 20th Century United States" *Demography* 42(1): 1–22, 2005 (with David Cutler).

"The Impact of Medicaid Managed Care on Community Clinics in Sacramento County, California," *American Journal of Public Health* 89(6): 913–17, 1999 (with Carol Korenbrot and John Greene).

Working Papers

"More to Live for: Health Investment Responses to Expected Retirement Wealth in Chile," NBER Working Paper 34249 (with Nieves Valdes and Marcos Vera-Hernández).

"Medical School Closures, Market Adjustment, and Mortality in the Flexner Report Era," NBER Working Paper 33937 (with Karen Clay, Rita Portnykh, and Ethan Schmick).

"Cost-Sharing in Medical Care Can Increase Adult Mortality Risk in Lower-Income Countries," NBER Working Paper 31908 (with Giancarlo Buitrago and Marcos Vera-Hernández).

"The North American Free Trade Agreement (NAFTA), Food Prices, and Obesity in Mexico," 2025 (with Tara Templin).

"Beyond Mean Exposure: How Exposure Variance Shapes Air Pollution Mortality Risk," NBER Working Paper 35428, 2026 (with Bissan Ghaddar, Kim Singer Babiarz, Hongbin Li, Lingsheng Meng, Lynn Hildemann, Han Hong, Alvise Scarabosio, Meili Wang, Aprajit Mahajan, Peng Yin, and Maigeng Zhou).

Permanent Working Papers

"Family Planning and Women's Economic Empowerment: Incentive Effects and Direct Effects among Malaysian Women," Center for Global Development Working Paper 471, 2017 (with Kim Singer Babiarz, Jiwon Lee, Tey Nai Peng, and Christine Valente).

"Family Planning and Fertility Behavior: Evidence from Twentieth Century Malaysia," Center for Global Development Working Paper 470, 2017 (with Kim Singer Babiarz, Jiwon Lee, Tey Nai Peng, and Christine Valente).

"Gender Differences in Preferences, Intra-Household Externalities, and Low Demand for Improved Cookstoves," NBER Working Paper 18964, 2013 (with Mushfiq Mobarak).

Academic Presentations

Abt Associates (2005), American Economic Association Annual Meeting (2006, 2013, 2021, 2023, 2024), American Society of Health Economists Annual Meeting (2021, 2023, 2024), Bay Area Colloquium on Population (2011), Boston University Population Health Science Conference (Keynote Address) (2018), BU/Harvard/MIT Health Economics Seminar (2005), BU/Princeton Conference on the Distal Determinants of Public Health (2010), Brown Population Studies Center (2012), Center for Chinese Agricultural Policy (2012), Center for Global Development (2017), Central Bank of Colombia (2009), CESifo Conference on the Causes of Malnutrition in South Asia (2011), Cliometric Society Annual Conference (2007), Colombian Health Economics Association Congress (2008), Columbia Department of Economics (2016), Cornell Conference on Infectious Diseases and the Social Sciences (2007), Cornell Department of Policy Analysis and Management (2018), Duke Department of Economics (2016), Duke Development Workshop (2007), Duke Global Health Institute (2011), Duke Population Research Institute (2011, 2021), Erasmus University Rotterdam, School of Economics (2016), Fedesarrollo (2005), Georgetown University Department of Economics (2026), Harvard Center for Population and Development Studies (2003, 2004), Harvard Medical School (2003, 2004, 2005), Harvard School of Public Health (2006), Inter-American Development Bank (2023), Hoover Institution Searle Workshop on Renewing Indigenous Economies (2023), International Food Policy Research Institute (2017), International Health Economics Association (2009, 2021), International Society for New Institutional Economics (2006), Johns Hopkins Critical Studies of Global Health Seminar (2013), Johns Hopkins School of Public Health (2005), Linfield College Edith Green Endowed Lecture (2012), NBER Conference on the Rise in Cardiovascular Disease Mortality (2021), NBER Cohort Studies Meeting (2007, 2009), NBER Development of the American Economy Program Meeting (2025), NBER Summer Institute Children's Program Meeting (2006), NBER Summer Institute Health Economics Program Meeting (2009, 2011), National University of Colombia (2009), NEUDC (2007, 2008, 2009), New York University Department of Economics (2016), Ningxia University Department of Economics and Management (2009), Northwestern University Department of Economics (2008), Oregon Historical Society (2012), Pacific Conference for Development Economics (2021), Pan American Health Organization (2003), Penn State Center on Population Health and Aging (2007), Population Association of America Annual Conference (2004, 2006, 2012, 2015, 2021, 2024, 2025), Population Association of America Applied Demography Workshop (2021, 2024, 2025), Princeton Department of Economics (2010), RAND (2005, 2012), Stanford Center on China's Economy and Institutions (2022), Stanford Center for International Development (2006, 2008), Stanford Conference on Global Governance and Global Health (2010), Stanford Conference on Public Goods Provision and the Efficacy of Governance (2012), Stanford Department of Civil and Environmental Engineering (2006), Stanford Department of Economics (2008), Stanford Lemann Center (2020), Stanford Medical School (2005, 2006, 2007, 2008, 2009, 2012, 2015, 2022), Stanford

Medical School Grand Rounds, Division of Pulmonary and Critical Care Medicine (2015), Tehran University of Medical Sciences (2016), Triangle Health Economics Workshop (2021), Triangle Resource and Environmental Economics Seminar (2015), Tulane Department of Economics (2013), U.S. Department of Labor (2023), U.S. Department of State Human Trafficking Prevalence Reduction Innovation Forum (2020, 2023), U.S. Embassy (Brazil) (2020), Universidad de los Andes Department of Economics (2008, 2010), Universidad de los Andes School of Medicine (2010), University of Bristol Department of Economics (2008), University of Bristol Centre for Market and Public Organisation (2012, 2013), UC Berkeley Department of Demography (2005, 2007, 2010, 2011, 2014), UC Berkeley Department of Economics (2007, 2012), UC Berkeley Water Center (2006), UC Berkeley/UCLA/USC Workshop on Determinants of Adult Mortality, Morbidity, and Healthy Aging in LMICs (2024), UC Irvine Department of Economics (2010, 2025), UCLA California Center for Population Research (2007, 2011), UC San Diego Department of Economics (2019), UC San Francisco Medical School (2006), University of Cambridge Department of Economics (2008), University of Chicago Center for Population Economics (2008), University of Chicago Harris School of Public Policy (2005), University College London Department of Economics (2005), University College London/London School of Economics Development Economics Seminar (2008), University of Colorado Boulder Department of Economics (2005, 2015), University of Houston Department of Economics (2019), University of Illinois at Chicago Department of Economics (2007), University of Illinois at Urbana-Champaign Department of Economics (2023), University of Michigan Population Studies Center (2006, 2014), University of Michigan RWJ Scholars Seminar (2006), University of Minnesota International Economic Development Conference (2006), University of North Carolina Chapel Hill School of Public Health (2005), University of Southern California Department of Economics (2014, 2021), University of Southern California Department of Gerontology (2015), University of Southern Denmark (2016), University of Texas Austin Population Research Center (2017), University of Wisconsin Center for Demography and Ecology (2007, 2014), UNU-WIDER (2006), Vanderbilt GPED 50th Anniversary Conference (2006), Williams Center for Development Economics (2024), World Bank Development Economics Research Group (2008, 2026), World Bank/International Labour Organization (2024), Yale Department of Economics (2010), Yale School of Public Health (2011)

Professional Service

Grant Reviewer: National Institutes of Health (NIH); National Science Foundation (NSF); Abdul Latif Jameel Poverty Action Lab (J-PAL); Center for Effective Global Action (CEGA)

Referee Service: American Economic Journal: Applied Economics; American Economic Journal: Economic Policy; American Economic Review; American Economic Review: Insights; American Heart Journal; American Journal of Tropical Medicine and Hygiene; B.E. Journal of Economic Analysis & Policy; BMJ; Center for Global Development; Demography; Economic Development and Cultural Change; Economic Journal; Economics Bulletin; Forum for Health Economics and Policy; Health Economics; Journal of the American College of Cardiology, Journal of Economic History; Journal of the European Economic Association; Journal of Health Economics; Journal of Human Resources; Journal of Labor Economics; Journal of Law, Economics, and Organization; Journal of Policy Analysis and Management; Journal of Political Economy; Journal of Public Economics; Lancet; Medical Care; Nature; PLOS Medicine; Population Studies; Proceedings of the National Academy of Sciences USA; Quarterly Journal of Economics; Review of Economic Studies; Review of Economics and Statistics; Review of Economics of the Household; Science; Social Science & Medicine; World Politics

Current Teaching

Economics 127/Medicine 262: "The Economics of Health Improvement in Lower-Income Countries"

Health Research and Policy 201C/Medicine 215C: "Graduate Tutorial in Health Policy III"

Funding

Stanford Woods Institute for the Environment, 10/2026–9/2029 $250,000
"Scaling Reduced Emission Brick Manufacturing across South Asia"
Investigator

United States Department of State, 10/2026–9/2028 $2,000,000
"Bridge AI: AI-Driven Interagency Coordination"
Principal Investigator

Stanford King Center on Global Development, 5/2026–5/2028 $50,000
"The Unintended Human Cost of Global Conservation: Modern Slavery in Brazil's Arc of Deforestation"
Principal Investigator

Stanford Impact Labs, 6/2025–5/2028 $796,083
"Using AI and Data Science to Detect Human Trafficking and Deforestation in Supply Chains"
Principal Investigator

Stanford Center for Innovation in Global Health, 6/2026–12/2027 $50,000
"The Unintended Human Cost of Global Conservation: Modern Slavery in Brazil's Arc of Deforestation"
Principal Investigator

United States Department of State/Innovations for Poverty Action – Human Trafficking Research Initiative, 9/2025–9/2027 $200,169
"AI-integrated Decision Support Tools for Improved Civil Prosecution Outcomes in Trafficking Cases in Brazil"
Principal Investigator

Stanford Impact Labs, 9/2026–8/2027 $25,000
"From Archive to Dataset: Frontier AI for Human Trafficking Evidence"
Principal Investigator

Stanford Doerr School of Sustainability, 10/2025–9/2026 $49,811
"Evaluating Heat Stress Mitigation for Brick Kiln Workers in Bangladesh"
Principal Investigator

United States Department of State, 10/2021–9/2026 $2,069,400
"Project to Combat Labor Trafficking in Illicit Deforestation and Charcoal Production"
Principal Investigator

United States Department of State/Global Fund to End Modern Slavery, 10/2021–12/2025 $2,728,758
"Labor Trafficking in Brazil"
Principal Investigator

Stanford Woods Institute for the Environment, 7/2023–6/2025 $394,187
"Combating Deforestation Linked to Human Trafficking in the Brazilian Amazon"
Investigator

Bill and Melinda Gates Foundation, 8/2021–3/2025 $1,915,299
"Subjective Expectations and Demand for Contraception"
Principal Investigator, Stanford Subcontract

United States Department of State/Innovations for Poverty Action – Human Trafficking Research Initiative, 10/2023–2/2025 $49,998
"Peer Counseling for Improved Outcomes among Labor Trafficking Survivors in Maranhão, Brazil"
Principal Investigator

Stanford Center for Innovation in Global Health, 6/2023–12/2024 $48,800
"Community Collaboration toward Improved Mental Health Outcomes for Survivors of Human Trafficking in Brazil"
Principal Investigator

Stanford King Center on Global Development, 1/2021–8/2024 $911,390
"The Stanford Human Trafficking Data Lab"
Principal Investigator

United States Department of State/Innovations for Poverty Action – Human Trafficking Research Initiative, 3/2023–12/2023 $114,621
"Profit Motives, Working Conditions, and Labor Trafficking: A Randomized Controlled Trial in Bangladesh's Brick Kiln Industry"
Principal Investigator

Stanford Impact Labs, 1/2021–12/2022 $500,000
"Transforming Brick Manufacturing in Bangladesh to Promote Clean Air and Better Health"
Investigator

Stanford Institute for Human-Centered Artificial Intelligence, 1/2021–12/2021 $74,649
"The Stanford Human Trafficking Data Lab"
Co-Principal Investigator

United States Department of State/University of Georgia, 5/2020–10/2021 $475,000
"Estimating the Prevalence of Human Trafficking in Brazilian Agriculture"
Principal Investigator

Stanford Woods Institute for the Environment, 10/2019–9/2021 $187,502
"Air Quality and Mortality in China"
Principal Investigator

King Philanthropies, 6/2019–9/2021 $616,791
"Reducing Anemia through Food Fortification at Scale"
Co-Principal Investigator

Global Innovation Fund, 2/2017–12/2020 $1,303,611
"Reducing Anemia through Food Fortification at Scale"
Co-Principal Investigator

Stanford King Center on Global Development, 9/2019–8/2020 $100,000
"The Stanford Human Trafficking Data Lab"
Co-Principal Investigator

Global Development and Poverty Initiative, Stanford University, 8/2014–8/2019 $525,000
"The Stanford-India Health Policy Initiative and Micronutrient Deficiencies in Tamil Nadu, India"
Principal Investigator

Stanford Institute for Innovation in Development Countries (Seed), 7/2014–6/2019 $567,000
"Transparency and New Technology to Reduce Childhood Malnutrition in India"
Principal Investigator

Tata Trusts, 1/2017–2/2019 $766,668
"Fortification of Staples to Achieve Nutritional Security"
Co-Principal Investigator

Bill and Melinda Gates Foundation, 5/2017–10/2018 $100,000
"Subjective Expectations and Demand for Contraception"
Investigator

Unorthodox Philanthropy, 8/2017–12/2017 $500,000
"Optimizing Windows to Improve Ventilation in Dhaka Slums"
Investigator

World Bank, 6/2015–12/2017 $169,409
"Analysis of Provider Payment Reforms on Advancing China's Health (APPROACH): An Evaluation of County Hospitals"
Principal Investigator, Stanford Subcontract

Government of Tamil Nadu, India, 11/2015–10/2017 $745,225
"Alleviating Anemia through Food Fortification at Scale"
Co-Principal Investigator

Center for Global Development, 7/2016–6/2017 $165,000
"Direct and Indirect Family Planning Program Effects"
Principal Investigator

NIH/NHLBI R01, 6/2011–5/2016 $2,500,000
"Paying-for-Performance and Comparative Effectiveness of Strategies to Combat Anemia in China"
Principal Investigator

Bill and Melinda Gates Foundation, 6/2011–5/2015 $3,050,000
"The Bihar Evaluation of Social Franchising and Telemedicine"
Principal Investigator, Stanford Subcontract

Center for Innovation in Global Health, Stanford University, 8/2013–8/2014 $40,000
"The Stanford-India Emergency Management and Research Institute (EMRI) Study"
Principal Investigator

NIH/Fogarty RC4, 9/2010–8/2013 $5,042,663
"Stanford Global Health Consortium: Innovation, Design, Evaluation, and Action (C-IDEA)"
Investigator

FSI Global Underdevelopment Action Fund, Stanford University, 1/2012–1/2013 $40,000
"Does Resource Scarcity Breed Innovation in Service Delivery?"
Principal Investigator

Walter H. Shorenstein Asia-Pacific Research Center, Stanford University, 9/2011–8/2012 $150,000
"The Optimal Size of Health Performance Incentives"
Principal Investigator

International Initiative for Impact Evaluation (3IE), 5/2010–4/2012 $1,112,331
"Improving Maternal and Child Health in India: Evaluating Demand and Supply Side Strategies"
Principal Investigator, Stanford Subcontract

Bill and Melinda Gates Foundation, 11/2010–6/2011 $426,990
"Preparatory Phase: The Bihar Evaluation of Social Franchising and Telemedicine"
Principal Investigator, Stanford Subcontract

NIH/NICHD K01 Career Development Award, 6/2007–5/2011 $500,000
"The Causes and Behavioral Foundations of Mortality Decline in Developing Countries"
Principal Investigator

Freeman Spogli Institute for International Studies, Stanford University, 9/2009–8/2010 $97,200
"Paying for Performance in China's Battle against Anemia"
Co-Principal Investigator

International Growth Centre, 11/2009–7/2010 £18,810
"Marketing Stoves through Social Networks to Combat Indoor Air Pollution"
Co-Principal Investigator

NIH/NIA P30 Seed Grant, 7/2008–6/2009 $30,000
"Health Improvement under Mao and Its Implications for Aging in China"
Co-Principal Investigator

NIH/NICHD R03, 6/2007–5/2009 $100,000
"Women's Empowerment and Child Survival in the Historical United States"
Principal Investigator

Woods Institute for the Environment, Stanford University, 7/2006–4/2009 $150,000
"The Causes and Consequences of Indoor Air Pollution: An Experimental Investigation in Bangladesh"
Principal Investigator

Freeman Spogli Institute for International Studies, Stanford University, 4/2006–3/2009 $150,000
"Evaluating Institutional Responses to Market Liberalization: Why Latin America Was Left Behind"
Investigator

Inter-American Development Bank, 6/2007–9/2008 $39,200
"Impact Evaluation of the Colombian Subsidized Health Insurance Regime"
Co-Principal Investigator

NIH/NIA P30 Seed Grant, 5/2007–4/2008 $30,000
"Temperance and the Russian Mortality Crisis"
Co-Principal Investigator

NIH/NIA P30 Seed Grant, 7/2006–6/2007 $30,000
"HIV/AIDS and Africa's Orphaned Elderly"
Co-Principal Investigator

Walter H. Shorenstein Asia-Pacific Research Center, Stanford University, 10/2005–9/2006 $30,000
"The Causes and Consequences of Indoor Air Pollution: An Experimental Investigation in Bangladesh"
Principal Investigator

NIH/NIA P30 Seed Grant, 11/2005–6/2006 $25,000
"Health Insurance and Well-Being among the Elderly in Colombia"
Principal Investigator

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