

## **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  
Founding Director, Stanford Center on Global Poverty and Development, 2017 – 2019  
Director, 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**

2020 Best Paper Prize, Essen Health Conference (with Aureo de Paula and Christine Valente)  
2020-2022 Dong Wei Faculty Fellow, Stanford King Center on Global Development  
2018-2020 Scientific Advisory Committee, Michigan Contraceptive Access, Research, and Evaluation Study (M-CARES)  
2015- Non-Resident Fellow, Center for Global Development  
2015-2016 Global Advisory Board, Kolkata Public Health Institute  
2015-2018 Faculty Committee, Center for Effective Global Action (CEGA)  
2015- Research Affiliate, International Growth Centre (IGC)  
2014- Affiliate, Abdul Latif Jameel Poverty Action Lab (J-PAL)  
2013-2019 Research Associate, ESRC Research Centre for Micro-Social Change (MISOC), Institute for Social and Economic Research, University of Essex  
2013 Excellence in Refereeing Award, American Economic Review  
2012- Research Associate, National Bureau of Economic Research (NBER)  
2012-2014 Member, Urban Services Initiative, Abdul Latif Jameel Poverty Action Lab (J-PAL)  
2011 Divisional Teaching Award, Department of Medicine, Stanford University  
2011- Faculty Affiliate, Center for Effective Global Action (CEGA)

- 2010 Inter-American Prize for Research on Social Security, Conferencia Interamericana de Seguridad Social (CISS) (with Diana Pinto and Marcos Vera-Hernández)
- 2010-2012 International Research Fellow, Centre for Market and Public Organisation (CMPO), University of Bristol
- 2009 Divisional Teaching Award, Department of Medicine, Stanford University
- 2009- Faculty Affiliate, Woods Institute for the Environment, Stanford University
- 2007- Faculty Affiliate, Interdisciplinary Program in Environment and Resources (IPER), Stanford University
- 2006 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)
- 2005-2012 Faculty Research Fellow, National Bureau of Economic Research (NBER)
- 2005- Faculty Fellow, Stanford Center for International Development
- 2005- Faculty Affiliate, Stanford Center for Latin American Studies
- 2002-2005 Pre-Doctoral Fellow in Aging and Health Economics, National Bureau of Economic Research (NBER)
- 2002-2004 Graduate Student Fellow, Harvard Center for International Development
- 2000-2002 Doctoral Trainee, Agency for Healthcare Research and Quality (AHRQ)

### **Refereed Journal Articles**

- “Impact of the ‘Protecting Life in Global Health Assistance’ Policy on Reproductive Health Services and Outcomes in Sub-Saharan Africa,” Accepted, Science Advances (with Nina Brooks, Matt Gunther, Eran Bendavid, Elizabeth H. Boyle, and Kathryn Grace)
- “Risk Perceptions and Private Protective Behaviors: Evidence from the COVID-19 Pandemic,” Accepted, Review of Economics and Statistics (with Kate Bundorf, Jill DeMatteis, Maria Polyakova, Jialu Streeter, and Jonathan Wivagg).
- “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).
- “Cyclicity, 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 20<sup>th</sup> 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**

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

“Cost-Sharing in Medical Care Can Increase Adult Mortality Risk in Lower-Income Countries,” Reject and Resubmit, Proceedings of the National Academy of Sciences USA (with Giancarlo Buitrigo and Marcos Vera-Hernández).

“The Changing Relationship between Bodyweight and Longevity in High- and Low-Income Countries,” Revise and Resubmit, Economics and Human Biology (with Vincenzo Atella, Jay Bhattacharya, and Joanna Kopinska).

“Subjective Expectations and Demand for Contraception,” Revise and Resubmit, Journal of Econometrics (with Aureo de Paula and Christine Valente).

“More to Live for: Health Investment Responses to Expected Retirement Wealth in Chile,” 2023 (with Nieves Valdes and Marcos Vera-Hernández).

“Medical School Closures, Market Adjustment, and Mortality in the Flexner Report Era,” 2023 (with Karen Clay, Rita Portnykh, and Ethan Schmick).

“The North American Free Trade Agreement (NAFTA), Food Prices, and Obesity in Mexico,” 2023 (with Jay Bhattacharya and Tara Templin).

“Hourly Data Matters for Estimating the Dose-Response Relationship between Air Pollution and Mortality,” 2023 (with Bissan Ghaddar, Kim Singer Babiarz, Hongbin Li, Lingsheng Meng, Lynn Hildemann, Han Hong, 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).

### **Research in Progress**

“Anti-Poverty Programs Reduce Child Labor but Not Adult Labor Trafficking” (with Luis Assis, Kim Babiarz, Mike Baiocchi, Jessie Brunner, Rafa Chduran, Pablo Querubin, and Victoria Ward)

“The Impact of United States Assimilation and Allotment Policy on American Indian Mortality” (with Jack Shane and C. Matthew Snipp)

“Reducing Emissions and Air Pollution in the Informal Brick Sector: Evidence from a Randomized Controlled Trial in Bangladesh” (with Shoeb Ahmed, Debashish Biswas, Nina Brooks, Steve Luby, Aprajit Mahajan, Moogdho Mahzab, Sameer Maithel, Mahbubur Rahman, and Mohammad Rofi Uddin)

“A Business Case for Better Work Conditions? Experimental Evidence on Labor Trafficking and Child Labor at Brick Kilns in Bangladesh” (with Shoeb Ahmed, Sania Ashraf, Kim Singer Babiarz, Jessie Brunner, Debashish Biswas, Nina Brooks, Steve Luby, Aprajit Mahajan, Moogdho Mahzab, Sameer Maithel, Mahbubur Rahman, Mohammad Rofi Uddin, and Jack Shane)

“Political Manipulation of Brazil’s Human Trafficking ‘Dirty List’” (with Luis Assis, Kim Babiarz, Mike Baiocchi, Jessie Brunner, Cristina Mac Gregor, Pablo Querubin, Clara Rodrigues, and Victoria Ward)

“Bureaucratic Incentives and Effectiveness of the One Child Policy” (with Hongbin Li, Lingsheng Meng, and Hanmo Yang)

“Corruption Audits and Effort against Human Trafficking in Brazil” (with Luis Assis, Shakil Ayan, Kim Singer Babiarz, Han Bai, Mike Baiocchi, Jessie Brunner, Pablo Querubin, Roxane Somda, and Victoria Ward)

“Subjective Expectations and Demand for Contraception in Nigeria” (with Aureo de Paula and Christine Valente)

“Experimental Evidence on Wage Insurance and Health Care Use in Gujarat, India” (with Jake Kramer, Aprajit Mahajan, Anup Malani, Morgen Miller, Pietro Tebaldi, and Alexander Torgovitsky)

### **Academic Presentations**

Abt Associates (2005), American Economic Association Annual Meeting (2006, 2013, 2021, 2023), American Society of Health Economists Annual Meeting (2021, 2023), 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), 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 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), Population Association of America Applied Demography Workshop (2021, 2024), 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 Irvine Department of Economics (2010), 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 50<sup>th</sup> Anniversary Conference (2006), Williams Center for Development Economics (2024), World Bank Development Economics Research Group (2008), 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*

### **Teaching**

Economics 127/Medicine 262: “The Economics of Health Improvement in Lower-Income Countries” (2007, 2008, 2009, 2011, 2012, 2013, 2015, 2019, 2021, 2023)

Health Research and Policy 201C/Medicine 215C: “Graduate Tutorial in Health Policy III” (2021, 2023)

Human Biology 129W: “Health Care Systems around the World” (2014, 2016, 2017)

International Policy Studies 216: “Making Things Happen in the Real World: Leadership and Implementation” (2017, 2018, 2019, 2020)

### **Funding**

United States Department of State, 10/2021-12/2026  
“Project to Combat Labor Trafficking in Illicit Deforestation and Charcoal Production”  
Principal Investigator  
\$1,299,900

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

Stanford Woods Institute for the Environment, 07/2023-06/2025  
“Combating Deforestation Linked to Human Trafficking in the Brazilian Amazon”  
Investigator (PI: Mike Baiocchi)  
\$394,187



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

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

Stanford King Center on Global Development, 1/2021-8/2024  
“The Stanford Human Trafficking Data Lab”  
Principal Investigator  
\$911,390

United States Department of State/Innovations for Poverty Action, 3/23-12/23  
“Profit Motives, Working Conditions, and Labor Trafficking: A Randomized Controlled Trial in Bangladesh's Brick Kiln Industry”  
Principal Investigator  
\$114,621

Stanford Impact Labs, 1/2021-12/2022  
“Transforming Brick Manufacturing in Bangladesh to Promote Clean Air and Better Health”  
Investigator (PI: Steve Luby)  
\$500,000

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

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

Stanford Woods Institute for the Environment, 10/2019-9/2021  
“Air Quality and Mortality in China”  
Principal Investigator  
\$187,502

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

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

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

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

Stanford Institute for Innovation in Development Countries (Seed), 7/2014-06/2019  
“Transparency and New Technology to Reduce Childhood Malnutrition in India”  
Principal Investigator  
\$567,000

Bill and Melinda Gates Foundation, 5/2017-10/2018  
“Subjective Expectations and Demand for Contraception”  
Investigator (PI: Christine Valente)  
\$100,000

Unorthodox Philanthropy, 8/2017-12/2017  
“Optimizing Windows to Improve Ventilation in Dhaka Slums”  
Investigator (PI: Steve Luby)  
\$500,000

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

Center for Global Development, 7/2016-6/2017  
“Direct and Indirect Family Planning Program Effects”  
Principal Investigator  
\$165,000

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

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

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

FSI Global Underdevelopment Action Fund, Stanford University, 1/2012-1/2013  
“Does Resource Scarcity Breed Innovation in Service Delivery?”

Principal Investigator  
\$40,000

Walter H. Shorenstein Asia-Pacific Research Center, Stanford University, 9/2011-8/2012  
“The Optimal Size of Health Performance Incentives”

Principal Investigator  
\$150,000

NIH/NHLBI R01, 6/2011-5/2016

“Paying-for-Performance and Comparative Effectiveness of Strategies to Combat Anemia in China”

Principal Investigator  
\$2,500,000

Bill and Melinda Gates Foundation, 6/2011-5/2015

“The Bihar Evaluation of Social Franchising and Telemedicine”

Principal Investigator, Stanford Subcontract  
\$3,050,000

Bill and Melinda Gates Foundation, 11/2010-6/2011

“Preparatory Phase: The Bihar Evaluation of Social Franchising and Telemedicine”

Principal Investigator, Stanford Subcontract  
\$426,990

NIH/Fogarty RC4, 9/2010-8/2013

“Stanford Global Health Consortium: Innovation, Design, Evaluation, and Action (C-IDEA)”

Investigator (PI: Michele Barry)  
\$5,042,663

International Initiative for Impact Evaluation (3IE), 5/2010-4/2012

“Improving Maternal and Child Health in India: Evaluating Demand and Supply Side Strategies”

Principal Investigator, Stanford Subcontract  
\$1,112,331

International Growth Centre, 11/2009-7/2010

“Marketing Stoves through Social Networks to Combat Indoor Air Pollution”

Co-Principal Investigator  
£18,810

Freeman Spogli Institute for International Studies, Stanford University, 9/2009-8/2010

“Paying for Performance in China’s Battle against Anemia”

Co-Principal Investigator  
\$97,200

NIH/NIA P30 Seed Grant, 7/2008-6/2009

“Health Improvement under Mao and Its Implications for Aging in China”

Co-Principal Investigator  
\$30,000

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

NIH/NICHD R03, 6/2007-5/2009  
“Women’s Empowerment and Child Survival in the Historical United States”  
Principal Investigator  
\$100,000

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

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

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

NIH/NIA P30 Seed Grant, 7/2006-6/2007  
“HIV/AIDS and Africa’s Orphaned Elderly”  
Co-Principal Investigator  
\$30,000

Freeman Spogli Institute for International Studies, Stanford University, 4/2006-3/2009  
“Evaluating Institutional Responses to Market Liberalization: Why Latin America Was Left Behind”  
Investigator (PI: Judy Goldstein)  
\$150,000

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

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