

Maria A. Polyakova

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Education

Ph.D. Economics, Massachusetts Institute of Technology, 2014

B.A. Economics & Mathematics and German Studies (History), *magna cum laude*, Yale University, 2008

Employment

Assistant Professor of Health Policy, Department of Medicine, Stanford School of Medicine 2014–present

Business Analyst, McKinsey & Company Inc., Germany 2008-2009

Professional activities

Associate Editor, *Journal of Health Economics*, 2019-2022

Research Affiliate, Center for Economic Studies (CESifo), 2017–present

Faculty Fellow, Stanford Institute for Economic Policy Research (SIEPR), 2015–present

Faculty Research Fellow, National Bureau of Economic Research (NBER), 2015–present

Research interests

Health Economics, Public Economics, Industrial Organization

Publications

1. Racial Disparities in Excess All-Cause Mortality During the Early COVID-19 Pandemic Varied Substantially Across States (with Victoria Udalova, Geoffrey Kocks, Katie Genadek, Keith Finlay, and Amy Finkelstein)
Health Affairs, *accepted*
2. Does Medicine Run in the Family? Evidence from Three generations of Physicians in Sweden (with Petra Persson, Katja Hofmann, and Anupam Jena)
British Medical Journal, *forthcoming*
3. Initial Economic Damage from COVID-19 Pandemic in U.S. is More Widespread Across Ages and Geographies than Initial Mortality Impacts (with Geoffrey Kocks, Victoria Udalova and Amy Finkelstein)
Proceedings of the National Academy of Sciences, 117 (45), November 2020
4. Subsidy Design in Privately-Provided Social Insurance: Lessons from Medicare Part D (with Francesco Decarolis and Stephen Ryan)
Journal of Political Economy, 128(5), May 2020
5. Local Area Variation in Morbidity Among Low-Income, Older Adults in the United States (with Lynn Hua)
Annals of Internal Medicine, 171(6), September 2019

6. Machine-Based Expert Recommendations And Consumer Choices For Medicare Prescription Drug Insurance (with Kate Bundorf, Cheryl Stults, Amy Meehan, Roman Klimke, Ting Pan, Albert Chan, and Ming Tai-Seale)
Health Affairs, 38(3), March 2019
7. Private Provision of Social Insurance: Drug-Specific Price Elasticities and Cost Sharing in Medicare Part D (with Liran Einav and Amy Finkelstein)
American Economic Journal: Economic Policy, 10(3), August 2018
8. ACA Marketplace Premiums and Competition among Hospitals and Physician Practices (with Kate Bundorf, Daniel Kessler, and Laurence Baker)
American Journal of Managed Care, 24(2), February 2018
9. Risk Selection and Heterogeneous Preferences in Health Insurance Markets with a Public Option
Journal of Health Economics, 49, September 2016
10. Marketplace Plans Provide Risk Protection, But Actuarial Values Overstate Realized Coverage For Most Enrollees (with Lynn Hua and Kate Bundorf)
Health Affairs, 36(12), December 2017
11. Regulation of Insurance with Adverse Selection and Switching Costs: Evidence from Medicare Part D
American Economic Journal: Applied, 8(3), July 2016

Working papers

1. How do Humans Interact with Algorithms: Experimental Evidence from Health Insurance (with Kate Bundorf and Ming Tai-Seale)
NBER Working Paper No. 25976, June 2019
2. The Roots of Health Inequality and the Value of Intra-Family Expertise (with Yiqun Chen and Petra Persson)
NBER Working Paper No. 25618, March 2019
3. Subsidy Targeting with Market Power (with Stephen Ryan)
NBER Working Paper No. 26367, October 2019
4. Who Values Human Capitalists' Human Capital? Healthcare Spending and Physician Earnings (with Joshua Gottlieb, Kevin Rinz, Hugh Shiple, and Victoria Udalova) *U.S. Census Bureau Center for Economic Studies Working Paper CES-20-23*, July 2020

Work in progress

1. Social Insurance Design with Incomplete Contracts: Evidence from Medicare Contractors (with David Chan)
2. General Equilibrium Effects of Insurance Expansions: Evidence from Long-Term Care (with Martin Hackmann, Joerg Heining, Roman Klimke, and Holger Seibert)
3. A Taste of Their Own Medicine: Expertise and Adherence to Medication Guidelines in Sweden (with Amy Finkelstein, Petra Persson, and Jesse Shapiro)
4. Health Inequality Around the World: Comparing the Relationship Between Income and Life Expectancy in Ten High-Income Countries (with Michael Stepner, Raj Chetty, David Cutler, Petra Persson et al)

Policy writing

1. Can masks help with reopening the economy? (with Jason Andrews, Stephen Luby and Jeremy Goldhaber-Fiebert)
Stanford Institute of Economic Research Policy Brief, April 2020
2. Health Insurance: Choices, Changes, and Policy Challenges
Stanford Institute of Economic Research Policy Brief, September 2016

Awards and fellowships

CESifo Distinguished Affiliate Award in Applied Microeconomics, 2017
 IRiSS Faculty Fellowship, 2016-2017
 Ernst-Meyer Dissertation Prize of The Geneva Association, 2015
 John Heinz Dissertation Award of the National Academy of Social Insurance, 2015
 MIT Presidential Fellowship, 2009-2011
 Norges Bank Summer School Scholarship, 2010
 Yale College, William M. Massee Award for excellence in Economics, 2008
 Yale College, Lothar Hausmann Memorial Award for excellence in German Studies, 2008
 Yale College, Distinction in Economics and Mathematics, and German Studies, 2008
 Yale College, Mellon Forum Fellowship for senior thesis “Policies towards Industrial Organization in Occupied Germany”, 2007

Grants

National Institute for Health Care Management (NIHCM) Research Grant for COVID-19 related work, 2020
 NIA/NIH K01AG05984301, Public Insurance Design and Health at Older Ages \$633,500, 2019-2024
 W.E. Upjohn Institute for Employment Research Early Career Research Grant , 2018-2019
 National Institute for Health Care Management (NIHCM) Research Grant for work on reinsurance in ACA, 2018
 NIA/NIH R21AG052833, Social Insurance Design and International Differences in Health at Older Ages: \$422,772 (with Petra Persson), 2016-2018
 Robert Wood Johnson Foundation, Policy-Relevant Insurance Studies: \$100,000 (with Kate Bundorf), 2016-2017
 AHRQ R03HS024800: \$100,000 for research on Affordable Care Act (with Stephen Ryan), 2016-2018
 NSF SES-1357705: \$460,000 for research on Medicare Part D (with Francesco Decarolis and Stephen Ryan), 2014-2016
 NIA/NIH AG017253 seed grant: \$25,000 for research on Affordable Care Act, 2015-2016
 NIA/NIA seed grant under P01AG005842-29 (PI: Wise) for research on Medicare Part D, 2016
 University of Chicago Becker Friedman Institute, Health Economics Grant: \$25,000, 2016
 Stanford Spectrum Pilot Grants for Population Health Sciences: \$37,000 (with Petra Persson), 2016
 MIT George and Obie Shultz Fund Grant, 2012
 MIT CIS Summer Study Grant, 2011

Conferences and invited seminars

2020-2021: NBER Economics of Artificial Intelligence, Johns Hopkins University Carey and Bloomberg Schools, Rice University Economics, University of Wisconsin Madison Economics, NBER COVID-19 conference, American Economic Association Annual Meeting, Temple University Fox School of Business, NYU Economics and Stern

2019-2020: Annual Health Economics Conference AHEC, Brown University Economics, University of Chicago Harris, WashU Olin Business School, NBER Health Care, University of Pennsylvania Wharton/LDI, Chicago Booth Junior(ish) Health Economics Workshop, MIT-TSE Health Economics Conference (cancelled), Kellogg Healthcare Markets Conference (cancelled), Max Planck/NBER Workshop on Ageing and Health (cancelled), ASHEcon (cancelled), NBER Summer Institute Health Care, NBER Summer Institute Aging

2018-2019: Stanford Health Policy, University of Utah Finance, USC Center for Economic and Social Research Applied Micro, London School of Economics IFS-STICERD Public Economics, U Warwick Economics, KU Leuven Economics, DIW Berlin, UC Berkeley Economics, NBER Health Care Meeting, American Economic Association Annual Meeting, NCCU Taiwan, Georgia State University Risk Management and Insurance, NBER Public Economics, University of British Columbia Economics, NBER Cohort Studies, Stanford Law and Policy Review Symposium Single Payer Panel, Federal Reserve Bank of New York, ASHEcon

2017-2018: Rice University's Baker Institute, CESifo Digitization, Tel Aviv Economics, Hebrew University Economics, McGill Economics, Chicago Booth Junior Health Economics Summit, ASHEcon, North America Summer Meeting of the Econometric Society, Columbia Business School, LMU Munich Economics, NBER Summer Institute

2016-2017: Yale University Economics, Washington University in St. Louis Olin Business School, University of Pennsylvania LDI/Wharton, American Economic Association Annual Meeting, Tulane University Economics, Chicago Booth Junior Health Economics Summit, CESifo Applied Microeconomics, Bates White Life Sciences Symposium, Natural Experiments and Controlled Field Studies Workshop

2015-2016: BU/Harvard/MIT Health Economics Seminar, CEPR Public Economics Meeting, Advances in Policy Evaluation at Arizona State University, Stanford HRP, ARIA Risk Theory Society Annual Seminar, University of Bonn, University of Mannheim, INF Stockholm, VATT Helsinki, Natural Experiments and Controlled Field Studies Workshop, ASHEcon, Clemson University, Florida State University, American Health Economics Conference (discussant), University of Colorado Denver, Georgia State University, Dartmouth College

2014-2015: Stanford GSB, Stanford Epidemiology, NBER Insurance (joint w/IO) Meeting, NBER Health Care Meeting, International Industrial Organization Conference, ARIA Risk Theory Society Annual Seminar, Stanford HRP, International Health Economics Association World Congress

2013-2014: Georgetown University Economics, University of Illinois-Chicago Economics, Sciences Po, Bocconi, Toulouse School of Economics, University of Wisconsin-Madison Economics, University of Wisconsin-Madison School of Business, Yale School of Management, Stanford Health Research and Policy, WUSTL Olin, MIT

2011: 15th IZA European Summer School in Labor Economics, Munich Center for the Economics of Aging at Max Planck Institute for Social Law and Social Policy

Advising

Graduate and undergraduate students

Jonathan Lee (PhD, expected completion: 2023)

Jasmin Moshfegh (PhD, expected completion: 2023)

Tara Templin (PhD, expected completion: 2022)

Yiqun Chen (PhD, 2020, Placement: University of Illinois in Chicago, Assistant Professor)

Catherine Lei (PhD, 2020, Placement: ZS Associates, Inc)

Johan Hong (MD, 2020)

Lindsay Sceats (MS in Health Services Research, 2019)

Sasha Harrison (BS, 2019, MS, 2020)

Andrew Kim (BS, 2019)

Pre-doctoral fellows

Sarah Boegl (ongoing)

Jacob Morris (ongoing)

Natalia Khoudian (ongoing)

Ilana Salant (2020): Harvard Health Policy PhD

Katja Hofmann (2020): Stanford Economics PhD

Vinni Bhatia (2020): CMU Statistics PhD

Hong Yi Tu Ye (2019): MIT Sloan PhD

Lynn Hua (2019): University of Pennsylvania, Wharton PhD

Roman Klimke (2018): Harvard Kennedy PhD

Peter Favaloro (2017): LSE Econ Masters

Sasha Parameswaran (2017): Private sector, medical school

Alan Jaske (2016): Duke Economics PhD

Teaching

2020-present MED 215A Health Policy Graduate Student Tutorial (MD/MS/PhD)

2016-present ECON 249/MED 249 Topics in Health Economics (PhD)

2016-2019 HRP 208 Intro to Concepts and Methods in Health Services and Policy Research (MD)

Professional Service

Referee

American Economic Review, American Economic Review: Insights, American Economic Journal: Applied, American Economic Journal: Economic Policy, American Journal of Health Economics, American Journal of Managed Care, Econometrica, Economic Journal, Games and Economic Behavior, Health Economics, Health Services Research, Health Services and Outcomes Research, International Journal of Industrial Organization, International Journal of Health Economics and Management, Inquiry, Journal of Applied Econometrics, Journal of Economic Behavior and Organization, Journal of Economics and Management Strategy, Journal of Human Capital, Journal of Health Economics, Journal of Policy Analysis and Management, Journal of Political Economy, Journal of Policy Analysis and Management, Journal of Public Economics, Quarterly Journal of Economics, RAND Journal of Economics, Review of Economic Studies, Review of Economics and Statistics, Scandinavian Journal of Economics

Ad-hoc reviewer

National Science Foundation
Israel Science Foundation

Committees

Stanford Health Policy PhD admission committee 2015 - present
Stanford Health Policy PhD executive committee 2015 - present

December, 2020