

# Maria A Polyakova

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## Education

- 08/2009—05/2014 Ph.D., Economics, Massachusetts Institute of Technology  
08/2004—05/2008 B.A., Economics & Mathematics, *magna cum laude*, Yale University

## Employment

- 04/2024— Associate Professor (with tenure), Department of Health Policy,  
School of Medicine, Stanford University  
09/2014—03/2024 Assistant Professor, Department of Health Policy,  
School of Medicine, Stanford University  
07/2008—07/2009 Junior Fellow, McKinsey & Company, German Office

## Professional activities

- 2025— Editor, *Journal of Health Economics*  
2024— Senior Fellow, Stanford Institute for Economic Policy Research (SIEPR)  
2024— Research Associate, NBER (Health Care and Public Economics Programs)  
2020— U.S. Census Bureau Special Sworn Status Researcher  
2017— Research Affiliate, Center for Economic Studies (CESifo)  
2019—2024 Associate Editor, *Journal of Health Economics*  
2015—2024 Faculty Research Fellow, NBER (Health Care and Public Economics Programs)  
2015—2024 Faculty Fellow, Stanford Institute for Economic Policy Research (SIEPR)

## Research

### *Working Papers (Economics)*

1. Bögl, Sarah, Jasmin Moshfegh, Petra Persson, **Maria Polyakova** “The Economics of Infertility: Evidence from Reproductive Medicine”  
*NBER Working Paper No. 32455, May 2024*  
*Revise and Resubmit, Quarterly Journal of Economics*
2. Hackmann, Martin B., Joerg Heining, Roman Klimke, **Maria Polyakova**, Holger Siebert “Health Insurance as Economic Stimulus? Evidence from Long-Term Care Labor Markets”  
*Upjohn Institute Working Paper 21-357, November 2021*
3. **Polyakova, Maria**, Stephen P. Ryan “Market Power and Redistribution: Evidence from the Affordable Care Act”  
*NBER Working Paper No. 26367, October 2019*

***Publications (Economics)***

1. Gottlieb, Joshua D., **Maria Polyakova**, Kevin Rinz, High Shiplett Victoria Udalova “Who Values Human Capitalists’ Human Capital? Healthcare Spending and Physician Earnings”  
*NBER Working Paper No. 31469, July 2023*  
*Accepted, Quarterly Journal of Economics*
2. Finkelstein, Amy, Geoffrey Kocks, **Maria Polyakova**, and Victoria Udalova “Heterogeneity in Damages from A Pandemic”  
*NBER Working Paper No. 30658*  
*Forthcoming, Review of Economics and Statistics*
3. Bundorf, M. Kate, **Maria Polyakova**, Ming Tai-Seale “How do Consumers Interact with Digital Expert Advice? Experimental Evidence from Health Insurance”  
*Management Science, 2024*  
*Best paper award at Conference on Health IT and Analytics 2019*
4. Bundorf, M. Kate, Jill DeMatteis, Grant Miller, **Maria Polyakova**, Jialu L. Streeter, Jonathan Wivagg “Risk Perceptions and Private Protective Behaviors: Evidence from COVID-19 Pandemic”  
*Review of Economics and Statistics, March 2023*
5. Finkelstein, Amy, Petra Persson, **Maria Polyakova**, Jesse M. Shapiro. “A taste of their own medicine: guideline adherence and access to expertise.”  
*American Economic Review: Insights, 4(4), December 2022*
6. Chen, Yiqun, Petra Persson, **Maria Polyakova** “The Roots of Health Inequality and the Value of Intra-Family Expertise”  
*American Economic Journal: Applied, 14(3), July 2022*
7. Decarolis, Francesco, **Maria Polyakova**, Stephen P. Ryan “Subsidy Design in Privately-Provided Social Insurance: Lessons from Medicare Part D”  
*Journal of Political Economy, 128(5), May 2020*
8. Einav, Liran, Amy Finkelstein, **Maria Polyakova** “Private Provision of Social Insurance: Drug-Specific Price Elasticities and Cost Sharing in Medicare Part D”  
*American Economic Journal: Economic Policy, 10(3), August 2018*
9. **Polyakova, Maria** “Risk Selection and Heterogeneous Preferences in Health Insurance Markets with a Public Option”  
*Journal of Health Economics, 49, September 2016*
10. **Polyakova, Maria** “Regulation of Insurance with Adverse Selection and Switching Costs: Evidence from Medicare Part D”  
*American Economic Journal: Applied, 8(3), July 2016*

***Publications (Health Policy)***

1. Udalova, Victoria, Vinayak Bhatia, **Maria Polyakova**. “Association of family income with morbidity and mortality among US lower-income children and adolescents.”  
*JAMA, 328(24), December 2022*
2. **Polyakova, Maria**, Vinayak Bhatia, M. Kate Bundorf “Analysis of Publicly Funded Reinsurance: Government Spending and Insurer Risk Exposure”  
*JAMA Health Forum, 2(8), August 2021*
3. **Polyakova, Maria**, Victoria Udalova, Geoffrey Kocks, Katie Genadek, Keith Finlay, Amy N. Finkelstein “Racial Disparities in Excess All-Cause Mortality During the Early COVID-19 Pandemic Varied Substantially Across States”  
*Health Affairs, 40(2), February 2021*

4. **Polyakova, Maria**, Petra Persson, Katja Hofmann, Anupam B. Jena “Does Medicine Run in the Family? Evidence from Three generations of Physicians in Sweden”  
*British Medical Journal*, 371, December 2020
5. **Polyakova, Maria**, Geoffrey Kocks, Victoria Udalova, Amy Finkelstein “Initial Economic Damage from COVID-19 Pandemic in U.S. is More Widespread Across Ages and Geographies than Initial Mortality Impacts”  
*PNAS*, 117 (45), November 2020
6. **Polyakova, Maria**, Lynn M. Hua “Local Area Variation in Morbidity Among Low-Income, Older Adults in the United States”  
*Annals of Internal Medicine*, 171(6), September 2019
7. Bundorf, M. Kate, **Maria Polyakova**, Cheryl Stults, Amy Meehan, Roman Klimke, Ting Pun, Albert Solomon Chan, Ming Tai-Seale “Machine-Based Expert Recommendations And Consumer Choices For Medicare Prescription Drug Insurance”  
*Health Affairs*, 38(3), March 2019
8. **Polyakova, Maria**, M. Kate Bundorf, Daniel P. Kessler, and Laurence C. Baker “ACA Marketplace Premiums and Competition among Hospitals and Physician Practices”  
*American Journal of Managed Care*, 24(2), February 2018
9. **Polyakova, Maria**, Lynn Mei Hua, M. Kate Bundorf “Marketplace Plans Provide Risk Protection, But Actuarial Values Overstate Realized Coverage For Most Enrollees”  
*Health Affairs*, 36(12), December 2017

### ***Non-Peer-Reviewed Writing***

1. Bundorf, M. Kate, and **Maria Polyakova** “Artificial Intelligence and Decision-Making in Healthcare: Prediction or Preferences?”  
*Comment in The Economics of Artificial Intelligence: Health Care Challenges*, eds. Agrawal, Gans, Goldfarb, Tucker, 2023
2. Finkelstein, Amy, Petra Persson, **Maria Polyakova**, and Jesse M. Shapiro “When Physicians, Family Members Are Patients, Medication Guideline Adherence Drops”  
*Health Affairs Forefront*, January 2023
3. Decarolis, Francesco, **Maria Polyakova**, and Stephen P. Ryan “What Medicare Part D Teaches Us About Social Insurance Markets”  
*Microeconomic Insights*, November 2020
4. **Maria Polyakova**, Andrews, Jason, Stephen Luby, Jeremy Goldhaber-Fiebert “Can masks help with reopening the economy?”  
*SIEPR Policy Brief*, April 2020
5. Chen, Yiqun, Petra Persson, **Maria Polyakova** “The roots of health inequality and the value of intra-family expertise”  
*VoxEU*, May 2019
6. **Maria Polyakova** Health Insurance: Choices, Changes, and Policy Challenges  
*SIEPR Policy Brief*, September 2016

### **Honors and Awards**

Tad and Dianne Taube Healthcare Fellow, 2023-2024

Yvette Gurley Research Scholar, 2021-2022

*American Economic Review: Insights* Excellence in Refereeing Award, 2020

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 George and Obie Shultz Fund Grant, 2012  
 MIT CIS Summer Study Grant, 2011  
 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

### Current Funding

09/2024—09/2029 National Institutes of Health **R01**-HD114788, Social Determinants of Adolescent and Young Adult Mortality: New Evidence from Large-Scale Administrative Data  
**(Role: PI)**

09/2021—08/2026 National Institutes of Health **U01**-AG076557 A New Database to Measure the Association Between Income, Race and Mortality: Inequality in Longevity During and Beyond the COVID-19 Pandemic  
**(Role: Co-Investigator, PI: Chetty)**

### Prior Funding

05/2019—08/2024 National Institutes of Health **K01**-AG05984301, Public Insurance Design and Health at Older Ages  
**(Role: PI)**

09/2021—12/2022 Bechtel Health Policy Research Fund Health Equity Pilot  
**(Role: Pilot Project Investigator)**

06/2020—08/2021 National Institute for Health Care Management Research Grant  
**(Role: PI)**

09/2020—08/2021 National Institutes of Health, COVID-19 Supplement to R01-AG032449  
**(Role: Investigator, PI: Finkelstein)**

01/2018—12/2019 National Institute for Health Care Management Research Grant  
**(Role: PI)**

05/2018—09/2019 Upjohn Institute for Employment Research Early Career Research Grant  
**(Role: PI)**

08/2015—06/2019 National Institutes of Health, Pilot Project under P30-AG01281022  
**(Role: Pilot Project Co-Investigator)**

09/2016—04/2019 National Institutes of Health **R21**-AG052833: Social Insurance Design and International Differences in Health at Older Ages  
**(Role: PI)**

03/2014—02/2019	National Science Foundation SES-1357705: Medicare Part D An Analysis of the Supply Side Incentives ( <b>Role: Co-Investigator</b> , PI: Ryan)
07/2016—06/2018	AHRQ <b>R03</b> -HS24800: Assessing Choices and Choice Landscape in Health Insurance Marketplaces ( <b>Role: Co-PI</b> , PI: Ryan)
09/2016—03/2017	Robert Wood Johnson Foundation: Policy-Relevant Insurance Studies ( <b>Role: PI</b> )
07/2015—06/2016	National Institutes of Health, Pilot Project under P30-AG017253 ( <b>Role: Pilot Project Investigator</b> )
08/2015—06/2016	National Institutes of Health, Pilot Project under P01-AG00584229 ( <b>Role: Pilot Project Investigator</b> )
01/2016—12/2016	National Institutes of Health, Pilot Project under UL1TR001085 ( <b>Role: Pilot Project Investigator</b> )
04/2016—04/2017	Becker Friedman Institute Health Economics Initiative Research Grant ( <b>Role: PI</b> )

## Advising

### Doctoral dissertation committees

Natalia Khoudian (Health Policy PhD, expected completion: 2029)  
 Tamar Matiashvili (Economics PhD, expected completion: 2027)  
 Margarita Khvan (Economics PhD at University of Southern California, expected completion: 2026)  
 Amanda Su (Health Policy PhD, expected completion: 2025)  
 Jonathan Lee (Health Policy PhD, 2024)  
 Yiqun Chen (Health Policy PhD, 2020): University of Illinois in Chicago, Assistant Professor  
 Catherine Lei (Health Policy PhD, 2020): ZS Associates, Inc

### Master's thesis and MD research committees

Gil Rosen (MPP, 2024)  
 Johan Hong (MedScholars, MD 2020)  
 Neil Rens (MedScholars, MD 2020)  
 Lindsay Sceats (MHP, 2019)

### Pre-doctoral fellows

Alexander Lutsenko (2026): ongoing  
 Krista Cherry (2025): ongoing  
 Mark Xiao (2024): Washington University in St Louis MD Program  
 Marissa Hindelang (2024): University of Zurich Economics PhD Program  
 Sarah Boegl (2022): Stanford Economics PhD Program  
 Jacob Morris (2022): UCSD Economics PhD Program  
 Natalia Khoudian (2021): BCG (offer prior to pre-doc)  
 Ilana Salant (2020): Harvard Health Policy PhD Program

Katja Hofmann (2020): Stanford Economics PhD Program

Vinni Bhatia (2020): CMU Statistics PhD Program

Hong Yi Tu Ye (2019): MIT Sloan PhD Program

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

Roman Klimke (2018): Harvard Kennedy Public Policy PhD Program

Sasha Parameswaran (2017): UNICEF

Alan Jaske (2016): Duke Economics PhD Program

### Undergraduate students

2015—2017      Stanford Pre-Major Freshman Advisor

Sasha Harrison (BS 2019, MS 2020)

Andrew Kim (BS 2019)

## Professional Service

### Peer Reviewer

*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, Annals of Internal Medicine, British Medical Journal, Econometrica, Economic Journal, Games and Economic Behavior, Health Affairs, 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 American Medical Association, Journal of American Medical Association: Health Forum, Journal of Applied Econometrics Journal of Economic Behavior and Organization, Journal of European Economic Association, Journal of Economics and Management Strategy, Journal of Health Economics, Journal of Human Capital, Journal of Human Resources, Journal of Internal Medicine, Journal of Industrial Economics, Journal of Policy Analysis and Management Journal of Political Economy, 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 Academies of Sciences, Engineering, and Medicine

National Science Foundation

Israel Science Foundation

Social Sciences and Humanities Research Council of Canada

Swiss National Science Foundation

National Institute for Health Care Management Foundation

### Conference Program Committees

2024              NBER Summer Institute Economics of Health Meeting

2023, 2024      NBER Summer Institute Public Economics Meeting

2023, 2024      Annual Health Economics Conference (AHEC)

2021, 23, 24    NBER COVID-19 Meetings

2021, 2022      American Society of Health Economists (ASHEcon) Annual Conference, program chair  
for “Demand for and Effects of Health Insurance” theme

November, 2024