

# 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

- 09/2014—08/2024    Assistant Professor, Department of Health Policy, Stanford University  
07/2008—07/2009    Junior Fellow, McKinsey & Company, German Office

## Professional activities

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

## Research

### *Working Papers*

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*  
*Revise and Resubmit, 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, November 2022*  
*Revise and Resubmit, Review of Economics and Statistics*
3. 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*
4. **Polyakova, Maria**, Stephen P. Ryan “Market Power and Redistribution: Evidence from the Affordable Care Act”  
*NBER Working Paper No. 26367, October 2019*

### *Publications*

1. Bundorf, M. Kate, **Maria Polyakova**, Ming Tai-Seale “How do Consumers Interact with Digital Expert Advice? Experimental Evidence from Health Insurance”

*Accepted, Management Science*

*Best paper award at Conference on Health IT and Analytics 2019*

2. 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
3. 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
4. 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
5. 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
6. **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
7. **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
8. **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
9. **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
10. 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
11. **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
12. 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
13. 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
14. **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
15. **Polyakova, Maria** “Risk Selection and Heterogeneous Preferences in Health Insurance Markets with a Public Option”  
*Journal of Health Economics*, 49, September 2016

16. **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
17. **Polyakova, Maria** “Regulation of Insurance with Adverse Selection and Switching Costs: Evidence from Medicare Part D”  
*American Economic Journal: Applied*, 8(3), July 2016

### ***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, Awards, and Fellowships**

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

- 09/2021—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)
- 05/2019—03/2024 National Institutes of Health **K01-AG05984301**, Public Insurance Design and Health at Older Ages, 2019-2024  
(**Role: PI**)

### Prior Funding

- 09/2021—12/2022 Bechtel Health Policy Research Fund Health Equity Pilot  
(**Role: Pilot Project Leader**)
- 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  
(**Role: Co-Investigator**, PI: Ryan)
- 07/2016—06/2018 AHRQ **R03-HS24800**: Assessing Choices and Choice Landscape in Health Insurance Marketplaces  
(**Role: Co-PI**, PI: Ryan)
- 09/2016—03/2017 Robert Wood Johnson Foundation: Policy-Relevant Insurance Studies  
(**Role: PI**)
- 07/2015—06/2016 National Institutes of Health, Pilot Project under P30-AG017253  
(**Role: Pilot Project Leader**)
- 08/2015—06/2016 National Institutes of Health, Pilot Project under P01-AG00584229  
(**Role: Pilot Project Leader**)
- 01/2016—12/2016 National Institutes of Health, Pilot Project under UL1TR001085  
(**Role: Pilot Project Leader**)
- 04/2016—04/2017 Becker Friedman Institute Health Economics Initiative Research Grant  
(**Role: PI**)

## Invited Presentations

12/2023	University of Texas Austin Department of Economics (Austin, TX)
11/2023	University of Zurich Department of Economics (Zurich, Switzerland)
10/2023	Duke University Triangle Health Economics Seminar (Durham, NC)
09/2023	Guest lecture, Rice University Department of Economics (virtual)
03/2023	University of Illinois Chicago School of Public Health (Chicago, IL)
10/2022	UC Berkeley School of Public Health (Berkeley, CA)
09/2022	Arizona State University Department Of Economics (Tempe, AZ)
09/2022	Panelist at Stanford Health Equity Symposium (Stanford, CA)
02/2022	Max Planck Institute for Social Law and Social Policy (virtual)
11/2021	University of Toronto Department of Economics (virtual)
10/2021	University Duisburg-Essen Economics Faculty Health Economics Seminar (virtual)
09/2021	Harvard University School of Medicine Department of Health Care Policy (virtual)
04/2021	New York University Department of Economics and Stern (virtual)
01/2021	Temple University Fox School of Business Series (virtual)
10/2020	University of Wisconsin Madison Department of Economics (virtual)
10/2020	Rice University Applied Microeconomics/ Econometrics Seminar (virtual)
09/2020	Johns Hopkins University Health Economics Seminar Series (virtual)
04/2020	Stanford University School of Medicine Grand Rounds (virtual)
02/2020	University of Pennsylvania Wharton School and LDI (Philadelphia, PA)
12/2019	Washington University in St Louis Olin Business School (St Louis, MI)
10/2019	Brown University Department of Economics (Providence, RI)
10/2019	University of Chicago Harris School of Public Policy (Chicago, IL)
06/2019	Federal Reserve Bank of New York (New York, NY)
04/2019	Stanford Law and Policy Review Symposium, Single Payer in CA Panel (Stanford, CA)
03/2019	University of British Columbia Vancouver School of Economics (Vancouver, Canada)
03/2019	National Chengchi University Department of Economics (Taipei, Taiwan)
02/2019	Georgia State University Department of Risk Management and Insurance (Atlanta, GA)
11/2018	UC Berkeley Department of Economics (Berkeley, CA)
11/2018	Katholieke Universiteit Leuven Department of Economics (Leuven, Belgium)
10/2018	Hertie School of Governance, Berlin Applied Micro Seminar (Berlin, Germany)
10/2018	University of Warwick Department of Economics (Coventry, U.K.)
10/2018	London School of Economics IFS-STICERD Public Economics Seminar (London, U.K.)
09/2018	University of Utah Eccles School of Business (Salt Lake City, UT)
09/2018	USC Center for Economic and Social Research (Los Angeles, CA)
07/2018	Ludwig Maximilian University of Munich Department of Economics (Munich, Germany)
05/2018	Columbia University Business School (New York, NY)
05/2018	Columbia University School of Public Health (New York, NY)

12/2017	McGill University Department of Economics (Montreal, Canada)
11/2017	Tel Aviv University Department of Economics (Tel Aviv, Israel)
11/2017	Hebrew University Department of Economics (Jerusalem, Israel)
10/2017	Rice University, Baker Institute Biennial Conference on Health Care Reform (Houston, TX)
01/2017	Tulane University Department of Economics (New Orleans, CT)
12/2016	University of Pennsylvania Wharton School and LDI (Philadelphia, PA)
09/2016	Washington University in St Louis Olin Business School (St Louis, MI)
09/2016	Yale University Department of Economics (New Haven, CT)
05/2016	University of Bonn Department of Economics (Bonn, Germany)
05/2016	University of Mannheim Department of Economics (Mannheim, Germany)
05/2016	Research Institute of Industrial Economics (IFN) (Stockholm, Sweden)
05/2016	VATT Institute for Economic Research (Helsinki, Finland)
04/2016	BU/Harvard/MIT Health Economics Seminar (Cambridge, MA)
12/2015	Dartmouth College Department of Economics (Dartmouth, NH)
10/2015	Florida State University College of Business (Tallahassee, FL)
10/2015	Colorado School of Public Health HSMP Seminar Series (Denver, CO)
10/2015	Georgia State University Robinson College of Business (Atlanta, GA)
09/2015	Clemson University Department of Economics (Clemson, SC)
09/2015	Stanford University GSB and Department of Economics (Stanford, CA)
09/2015	Stanford University Epidemiology Seminar (Stanford, CA)

## National and Regional Conferences

10/2023	Annual Health Econometrics Workshop (Los Angeles, CA)
09/2023	All-California Labor Economics Conference (Santa Barbara, CA)
05/2023	University of Chicago BFI Health Economics Initiative Annual Conference (Chicago, IL)
02/2023	Chicago Booth Junior(ish) Health Economics Summit (Whistler, Canada)
09/2022	NBER Economics of Artificial Intelligence Conference (discussant) (Toronto, Canada)
08/2022	University of Chicago BFI Women in Micro Conference (discussant) (Chicago, IL)
07/2022	NBER Summer Institute Health Care Workshop (discussant) (Cambridge, MA)
12/2021	NBER Health Care Program Meeting (cambridge, MA)
11/2021	NBER Labor Studies Program Meeting (cambridge, MA)
09/2021	All-California Labor Economics Conference (virtual)
01/2021	American Economic Association Annual Meeting (virtual)
11/2020	NBER COVID-19 and Health Outcomes Meeting (virtual)
09/2020	NBER Economics of Artificial Intelligence Conference (virtual)
07/2020	NBER Summer Institute Health Care Workshop (virtual)
07/2020	NBER Summer Institute Aging Workshop (virtual)
02/2020	Chicago Booth Junior(ish) Health Economics Summit (Whistler, Canada)

12/2019	NBER Health Care Program Meeting (Cambridge, MA)
10/2019	Annual Health Economics Conference (San Francisco, CA)
06/2019	American Society of Health Economists Conference (Washington, DC)
04/2019	NBER Public Economics Meeting (Cambridge, MA)
04/2019	NBER Cohort Studies Meeting (Cambridge, MA)
01/2019	American Economic Association Annual Meeting (Atlanta, GA)
12/2018	NBER Health Care Meeting (Cambridge, MA)
07/2018	NBER Summer Institute Health Care Workshop (Cambridge, MA)
06/2018	American Society of Health Economists Conference (Atlanta, GA)
06/2018	North America Summer Meeting of the Econometric Society (Davis, CA)
06/2018	Bates White Life Sciences Symposium (Washington, DC)
02/2018	Chicago Booth Junior(ish) Health Economics Summit (Whistler, Canada)
02/2017	Chicago Booth Junior(ish) Health Economics Summit (Whistler, Canada)
01/2017	American Economic Association Annual Meeting (Chicago, IL)
06/2016	American Society of Health Economists Conference (Philadelphia, PA)
03/2016	ARIA Risk Theory Society Annual Meeting (New York, NY)
02/2016	Advances in Policy Evaluation at Arizona State University (Tempe, AZ )
10/2015	American Health Economics Conference (discussant) (Athens, GA)
08/2015	ARIA Risk Theory Society Annual Meeting (Ithaca, NY)
02/2015	NBER Insurance and IO Meetings (Stanford, CA)

## International Conferences

11/2017	CESifo Digitization Meeting (Munich, Germany)
06/2017	Natural Experiments and Controlled Field Studies Workshop (Ohlstadt, Germany)
03/2017	CESifo Applied Microeconomics Meeting (Munich, Germany)
05/2016	CEPR Public Economics Meeting (St Gallen, Switzerland)
06/2016	Natural Experiments and Controlled Field Studies Workshop (Ohlstadt, Germany)
07/2015	International Health Economics Association World Congress (Milan, Italy)

## Advising

### Graduate students and postdoctoral fellows; \*primary advisor

Tamar Matiashvili (Economics PhD, expected completion: 2027)

Amanda Su (Health Policy PhD, expected completion: 2025)

\*Jonathan Lee (Health Policy PhD, expected completion: 2024)

Jasmin Moshfegh (Health Policy PhD, expected completion: 2024)

Gil Rosen (Master of Public Policy, expected completion: 2024)

Tara Templin (Health Policy PhD, 2022): UC Berkeley post-doc; UNC Public Health, Assistant Professor

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

Catherine Lei (Health Policy PhD 2020): ZS Associates, Inc

Johan Hong (MedScholars Program, MD 2020)

Lindsay Sceats (Master's in Health Services Research, 2019)

### **Pre-doctoral fellows; primary mentor or co-mentor only**

Mark Xiao (2024): ongoing

Marissa Hindelang (2024): ongoing

Sarah Boegl (2022): Stanford Economics PhD Program

Jacob Morris (2022): UCSD Economics PhD Program

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)

## **Teaching**

2020—      Stanford University MED 215A / HRP 201A Health Policy Graduate Student Tutorial  
Level: MS/MD/PhD  
Fall 2020, Fall 2021, Fall 2022

2016—      Stanford University ECON 249 / MED 249 Topics in Health Economics  
Level: PhD  
Fall 2016, Spring 2017, 2018, 2019, 2020, 2021, 2022, 2023

2017—2020      Stanford University HRP 208 Introduction to Concepts and Methods in Health Services  
and Policy Research  
Level: MD  
Winter 2017, Winter 2018, Winter 2019, Winter 2020

## **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

National Institute for Health Care Management Foundation

### **Conference Organization**

2023—2023      NBER Summer Institute Public Economics Meeting, program selection committee

2023—          Annual Health Economics Conference (AHEC), organizing committee

2021—2024      NBER COVID-19 and Health Outcomes Meeting, program selection committee

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

September, 2023