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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, Department of Health Policy, School of Medicine, Stanford University 2014–present

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

Professional activities

Associate Editor, *Journal of Health Economics*, 2019–2024

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

Working Papers

1. Risk Perceptions and Protective Behaviors: Evidence from COVID-19 Pandemic (with Kate Bundorf, Jill DeMatteis, Grant Miller, Jialu Streeter, Jonathan Wivagg)
NBER Working Paper No. 28741, First Draft: May 2021
*Conditionally Accepted, **Review of Economics and Statistics***
2. How do Humans Interact with Algorithms: Experimental Evidence from Health Insurance (with Kate Bundorf and Ming Tai-Seale)
NBER Working Paper No. 25976, First Draft: June 2019
*Revise and Resubmit (2nd round), **Management Science***
3. Health Insurance as Economic Stimulus? Evidence from Long-Term Care Labor Markets (with Martin Hackmann, Joerg Heining, Roman Klimke, and Holger Seibert)
Upjohn Institute working paper 21-357, First Draft: November 2021
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, First Draft: July 2020
5. Market Power and Redistribution: Evidence from the Affordable Care Act (with Stephen Ryan)
NBER Working Paper No. 26367, First Draft: October 2019
6. Heterogeneity in Damages from A Pandemic (with Amy Finkelstein, Geoffrey Kocks, and Victoria Udalova)
NBER Working Paper No. 30658, First Draft: November 2022

Publications

1. Association of Family Income with Morbidity and Mortality Among Lower-Income Children and Adolescents (with Victoria Udalova and Vinayak Bhatia)
JAMA, 328(24), December 2022
2. A Taste of Their Own Medicine: Guideline Adherence and Access to Expertise (with Amy Finkelstein, Petra Persson, and Jesse Shapiro)
American Economic Review: Insights, 4(4), December 2022
3. The Roots of Health Inequality and the Value of Intra-Family Expertise (with Yiqun Chen and Petra Persson)
American Economic Journal: Applied, 14(3), July 2022
4. Analysis of Publicly Funded Reinsurance: Government Spending and Insurer Risk Exposure (with Vinayak Bhatia and Kate Bundorf)
JAMA Health Forum, 2(8), August 2021
5. 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, 40(2), February 2021
6. 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, 371, December 2020
7. 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
8. 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
9. 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
10. 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
11. 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
12. 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
13. Risk Selection and Heterogeneous Preferences in Health Insurance Markets with a Public Option
Journal of Health Economics, 49, September 2016
14. 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
15. Regulation of Insurance with Adverse Selection and Switching Costs: Evidence from Medicare Part D
American Economic Journal: Applied, 8(3), July 2016

Other writing

1. Adherence to medication guidelines is lower among patients who are physicians or have physician-relatives (with Amy Finkelstein, Petra Persson, and Jesse Shapiro)
Health Affairs Forefront, January 2023
2. What Medicare Part D Teaches Us About Social Insurance Markets (with Francesco Decarolis and Stephen P. Ryan)
Microeconomic Insights, November 2020
3. Can masks help with reopening the economy? (with Jason Andrews, Stephen Luby and Jeremy Goldhaber-Fiebert)
SIEPR Policy Brief, April 2020
4. Health Insurance: Choices, Changes, and Policy Challenges
SIEPR Policy Brief, September 2016

Awards and fellowships

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 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

NIA/NIH U01AG076557 Inequality in Longevity During and Beyond the COVID-19 Pandemic, 2021-2026 (Co-Investigator, PI: Chetty)
 NIA/NIH R01AG032449 COVID-19 Supplement, 2021 (Co-Investigator, PI: Finkelstein)
 National Institute for Health Care Management (NIHCM), 2020 (PI)
 NIA/NIH K01AG05984301, Public Insurance Design and Health at Older Ages \$633,500, 2019-2024 (PI)
 W.E. Upjohn Institute for Employment Research Early Career Research Grant, 2018-2019 (PI)
 National Institute for Health Care Management (NIHCM) Research Grant for work on reinsurance in ACA, 2018 (PI)
 NIA/NIH R21AG052833, Social Insurance Design and International Differences in Health at Older Ages: \$422,772 (PI), 2016-2018
 Robert Wood Johnson Foundation, Policy-Relevant Insurance Studies: \$100,000 (PI), 2016-2017
 AHRQ R03HS024800: \$100,000 for research on Affordable Care Act (Co-PI, PI: Ryan), 2016-2018

NSF SES-1357705: \$460,000 for research on Medicare Part D (Co-Investigator, PI: Ryan), 2014-2016
 NIA/NIH AG017253 seed grant: \$25,000 for research on Affordable Care Act (PI of seed project), 2015-2016
 NIA/NIA seed grant under P01AG005842-29 for research on Medicare Part D, 2016 (PI of seed project)
 University of Chicago Becker Friedman Institute, Health Economics Grant: \$25,000, 2016 (PI)
 Stanford Spectrum Pilot Grants for Population Health Sciences: \$37,000 (PI of seed project), 2016
 MIT George and Obie Shultz Fund Grant, 2012
 MIT CIS Summer Study Grant, 2011

Conferences and invited seminars

2022-2023: Arizona State University Economics, NBER AI conference (discussant), UC Berkeley School of Public Health, Stanford Health Policy, University of Illinois at Chicago School of Public Health

2021-2022: Econometric Society European Meeting, All-California Labor Economics Conference, Harvard Medical School Health Care Policy, Essen Health Economics Seminar, University of Toronto Economics, NBER Labor Studies, NBER Health Care, Max Planck Institute for Social Law and Social Policy, NBER Summer Institute Health Care (discussant), University of Chicago BFI Women in Empirical Microeconomics Conference (discussant)

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 students

Jonathan Lee (PhD, expected completion: 2023)

Jasmin Moshfegh (PhD, expected completion: 2023)

Gil Rosen (MPP, expected completion: 2023)

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

Catherine Lei (PhD 2020): ZS Associates, Inc

Johan Hong (MD 2020): clinical practice

Lindsay Sceats (MS 2019): clinical practice

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

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 PhD Program

Sasha Parameswaran (2017): UNICEF

Alan Jaske (2016): Duke Economics PhD Program

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 Affairs, Health Economics, Health Services Research, Health Services and Outcomes Research, International Journal of Industrial Organization, International Journal of Health Economics and Management, Inquiry, JAMA, 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

Social Sciences and Humanities Research Council of Canada

National Institute for Health Care Management (NIHCM) Foundation

Conference Organization

NBER COVID-19 conference co-organizer, 2021, 2022

AshEcon Program Chair for “Demand for and Effects of Health Insurance” theme, 2021, 2022

2023 Annual Health Economics Conference (AHEC) Organizing Committee

January, 2023