

LEILA AGHA

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PROFESSIONAL EXPERIENCE

Current positions and affiliations

Associate Professor of Health Care Policy, Harvard Medical School, 2022—present
Faculty Research Fellow, National Bureau of Economic Research, 2013—present
Associate Editor, Management Science, 2021—present

Past positions and affiliations

Associate Professor of Economics (with tenure), Dartmouth College, 2022
Assistant Professor of Economics, Dartmouth College, 2016—2022
Assistant Professor, Questrom School of Business, Boston University, 2012—2016
Postdoctoral Fellow in Health and Aging, National Bureau of Economic Research 2011-2012

EDUCATION

Ph.D. in Economics, Massachusetts Institute of Technology, 2006—2011
S.B. in Economics, Massachusetts Institute of Technology, 2002—2006

PUBLISHED PAPERS

"The Impact of Organizational Boundaries on Healthcare Coordination and Utilization" (with Keith Ericson and Xiaoxi Zhao).

American Economic Journal: Economic Policy, Forthcoming.

"Insurance Design and Pharmaceutical Innovation" (with Soomi Kim and Danielle Li).

American Economic Review: Insights, June 2022, Vol. 4, No. 2, p.191-208.

"Improving Efficiency in Medical Diagnosis" (with Jonathan Skinner and David Chan).

Journal of the American Medical Association, May 23, 2022.

"Drug Diffusion through Peer Networks: The Influence of Industry Payments" (with Dan Zeltzer).

American Economic Journal: Economic Policy, May 2022, Vol. 14, No. 2, p.1-33.

"Team Relationships and Performance: Evidence from Healthcare Referral Networks" (with Keith Marzilli Ericson, Kimberley Geissler, and James Rebitzer).

Management Science, May 2022, Vol. 68, No. 5, p.3175-3973.

"Fragmented Division of Labor and Healthcare Costs: Evidence from Moves Across Regions" (with Brigham Frandsen and James Rebitzer).

Journal of Public Economics, January 2019, Vol. 169, p.144-159.

"The Influence of Pioneer Investigators on Technology Adoption: Evidence from New Cancer Drugs" (with David Molitor).

The Review of Economics and Statistics, March 2018, Vol. 100, No. 1, p. 29-44.

"Trends and Variation in the Utilization and Diagnostic Yield of Chest Imaging for Medicare Patients with Suspected Pulmonary Embolism in the Emergency Department" (with Arjun K. Venkatesh, Jason Abaluck, Craig Rothenberg, Christopher Kabrhel and Ali Raja).

American Journal of Roentgenology, March 2018: Vol. 210, No. 3, p. 572-577.

"Determinants of Productivity in Medical Testing: Intensity and Allocation of Care" (with Jason Abaluck, Christopher Kabrhel, Ali Raja, and Arjun Venkatesh).

American Economic Review, December 2016, Vol. 106, No. 12, p. 3730-64.

"Big Names or Big Ideas: Do Peer-Review Panels Select Top Science Proposals?" (with Danielle Li). *Science*, 24 April 2015, Vol. 348 no. 6233 p. 434-438.

"The Effects of Health Information Technology on Costs and Quality of Medical Care."

Journal of Health Economics, Vol. 34, March 2014, p. 19-30.

WORKING PAPERS

"Fixing Misallocation with Guidelines: Awareness vs. Adherence" (with Jason Abaluck, David Chan, Daniel Singer, and Diana Zhu). NBER Working Paper #27467. [submitted]

"Diffusion of Probiotics in the NICU and Very Low Birthweight Infant Outcomes" (with Doug Staiger, Erika Edwards, Jeffrey Horbar, and Roger Sol). [submitted]

WORKS IN PROGRESS

HEARTSPOT: Implementation & Evaluation of a Machine Learning System to Aid Decision-Making in the Emergency Department (with Jason Abaluck, Ziad Obermeyer, and Bill Wright)

Patient Selection in Clinical Trials & Heterogeneous Treatment Effects (with Jason Abaluck, David Chan, and Sachin Shah)

Childbirth, Career Disruptions and Physician Productivity (with Na'ama Shenhav)

OTHER WRITING

"New evidence on the broad reach of pharmaceutical payments" (with Dan Zeltzer), *VoxEU.org*, November 2019.

"Location Matters: The Adoption of New Medical Technologies" (with David Molitor), *Stanford Institute for Economic Policy Research Policy Brief*, June 2013.

TEACHING

Introduction to Statistical Methods, Dartmouth College (2016—2022)

Foundations of Population Health, Master of Public Health, The Dartmouth Institute (2016—2018)

Modeling Business Decisions, Boston University Questrom School of Business (2013—2015)

GRANTS & FELLOWSHIPS

- 2022—2023 National Institute for Health/National Institute for Aging/National Bureau of Economic Research Roybal Center for Behavior Change in Health, Co-Principal Investigator
- 2021—2024 Moore Foundation, Co-Investigator on Grant 10798
- 2018—2021 National Institute for Health/National Institute for Aging, Co-Investigator on PO1 AG19783
- 2019—2020 Rockefeller/Haney Faculty Fellowship, Dartmouth College
- 2019—2020 National Institute for Health/National Institute for Aging, Co-Investigator on PO1 AG005842
- 2018—2019 National Institute for Health/National Institute for Aging, Co-Investigator on P30 AG012810
- 2016—2017 National Institute for Health/National Institute for Aging, Co-Investigator on UO1 AG046830
- 2015 Boston University Hariri Institute for Computing Junior Fellow
- 2011—2012 National Institute for Health/National Institute for Aging, Postdoctoral fellow on T32-AG000186
- 2007—2011 National Science Foundation Graduate Research Fellowship
- 2006—2008 MIT Economics Department Castle Krob Graduate Fellowship
- 2006—2007 MIT Ida M. Green Graduate Fellowship

AWARDS

- 2021 *American Economic Review: Insights* Excellence in Refereeing Award
- 2017 National Institute for Health Care Management Research Award: Honorable Mention
- 2011 Young Researcher Award, Workshop on Health IT and Economics
- 2006 Phi Beta Kappa (MIT)
- 2006 Association of MIT Alumnae Senior Academic Award

INVITED SEMINARS & CONFERENCE PRESENTATIONS

- 2021-2022 *(includes scheduled)* McGill University, Singapore Management University, Harvard Medical School, University of California-Berkeley, George Washington University, Lehigh University, Tulane University, Southern Economic Association Conference, Allied Social Sciences Associations Meeting, American Society of Health Economists, National Bureau of Economic Research (discussant).
- 2020—2021 Princeton University, Ohio State University, University of New Hampshire, Berlin Applied Microeconomics Seminar, University of Massachusetts-Amherst, University of Duisberg-Essen, American Society of Health Economists.
- 2019—2020 Stanford University, Northeastern University, University of Hong Kong, Allied Social Sciences Associations Meeting (discussant), University of Chicago Booth Health Economics Summit, Max Planck and National Bureau of Economic Research Conference on Aging (cancelled due to COVID), NBER Summer Institute.
- 2018—2019 Rensselaer Polytechnic Institute, MIT Sloan, NBER Machine Learning in Health Care Workshop, NBER Summer Institute
- 2017—2018 Emory University, University of Toronto Rotman School, Yale School of Public Health, University of Virginia Batten School, MIT Economics & Sloan, Allied Social Sciences Associations Meeting, Caribbean Health Economics Symposium, American Society of Health Economists Conference, Society for Institutional & Organizational Economics, NBER Summer Institute
- 2016—2017 University of Pennsylvania Leonard Davis Institute for Health Economics, Caribbean Health Economics Symposium, Allied Social Sciences Associations Meeting, Economics of Entrepreneurship and Innovation Conference
- 2015—2016 Rice University, Dartmouth College, Northwestern Kellogg, NBER Health Care Workshop
- 2104—2015 Georgia State University, RAND, American Society of Health Economics (discussant)
- 2013—2014 Northwestern Kellogg, Massachusetts General Hospital, American Economic Association Annual Meeting, NBER Summer Institute
- 2012—2013 Boston University/Harvard/MIT Health Economics Seminar, NBER Productivity Seminar, Stanford Graduate School of Business, American Economics

Association Annual Meeting, American Health Economics Conference (discussant), National Tax Association

2011—2012 University of Illinois College of Business, American Society for Health Economics Conference, NBER Summer Institute (discussant), Roundtable on Engineering Entrepreneurship Research at Georgia Tech (discussant), Workshop on Health IT and Economics

2010—2011 Boston University School of Management, Cornell Policy Analysis & Management; Harvard Business School, Northwestern Kellogg, RAND, University of Michigan Ross School of Business, University of Pennsylvania Wharton, University of California-Irvine Merage School of Business; University of California-Los Angeles School of Public Affairs, U.S. Department of Health and Human Services, Yale School of Management

PROFESSIONAL ACTIVITIES

Ad-hoc grant review for: Jameel Poverty Action Lab North America, Sloan Foundation, US-Israel Binational Science Foundation

Invited mentor for New England Ph.D. Women's Mentoring Workshop (2020—2021)

Referee for *American Economic Journal: Applied Economics*; *American Economic Journal: Economic Policy*; *American Economic Journal: Macroeconomics*; *American Economic Review*; *American Economic Review: Insights*; *American Journal of Health Economics*; *eLife*; *Empirical Economics*; *Health Economics*; *Health Systems*; *Industrial Relations*; *Inquiry*; *Journal of Economic Behavior and Organizations*; *Journal of Health Economics*; *Journal of Labor Economics*; *Journal of Law, Economics and Organization*; *Journal of Medical Systems*; *Journal of Political Economy*; *Journal of Public Economics*; *Management and Information Systems Quarterly*; *Management Science*; *Nonprofit Quarterly*; *Quarterly Journal of Economics*; *RAND Journal of Economics*; *Review of Economics and Statistics*; *Review of Economic Studies*; *Science*; *Scientific Advances*.

Updated: November 2022