

**HARVARD MEDICAL SCHOOL  
CURRICULUM VITAE**

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**Education:**

2000	B.A., B.S.	Massachusetts Institute of Technology (Economics, Biology)
2006	Ph.D.	University of Chicago (Economics) Doctoral committee: David Meltzer, Steven Levitt, Tomas Philipson Preliminary examinations: Industrial organization, labor economics
2009	M.D.	University of Chicago

**Postdoctoral Training:  
Internships and Residencies**

2009-2010	Intern in Internal Medicine, Massachusetts General Hospital
2010-2012	Resident in Internal Medicine, Massachusetts General Hospital

**Research Fellowships**

2006-2007	Fellow, Bing Center for Health Economics, RAND Corporation
2008-2009	AHRQ Postdoctoral Fellow, RAND Corporation and UCLA

**Faculty Academic Appointments**

2012-2015	Assistant Professor of Health Care Policy, Department of Health Care Policy Harvard Medical School
2012-2013	Clinical Fellow in Medicine, Harvard Medical School Massachusetts General Hospital
2013-2016	Assistant Professor of Medicine, Harvard Medical School Massachusetts General Hospital
2015-2016	Associate Professor of Health Care Policy, Department of Health Care Policy Harvard Medical School

2016-	Ruth L. Newhouse Associate Professor of Health Care Policy, Department of Health Care Policy Harvard Medical School
2016-	Associate Professor of Medicine, Harvard Medical School Massachusetts General Hospital
2022-	Joseph P. Newhouse Professor of Health Care Policy, Department of Health Care Policy Harvard Medical School
2023-	Professor of Medicine, Harvard Medical School Massachusetts General Hospital

**Appointments at Hospitals/Affiliated Institutions**

2012-	Assistant in Medicine, Hospital Medicine Unit, Department of Medicine Massachusetts General Hospital
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**Other Professional Positions:**

2002	Lecturer, Dept. of Economics, University of Chicago
2011-2012	Senior Fellow, Schaeffer Center for Health Policy and Economics, University of Southern California
2012-	Faculty Research Fellow, National Bureau of Economic Research
2023-	Research Associate, National Bureau of Economic Research

**Committee Service:**

**Local**

2010-	Winthrop House Pre-medical advisor	Harvard University Pre-medical advisor
2013-	Standing Committee on Health Policy	Harvard Medical School Member
2013-2014	Graduate School of Arts and Sciences Dissertation Fellowship Award Committee	Harvard University Member
2014	Scholars in Medicine Project Review	Harvard Medical School Reviewer
2014	Health Acceleration Challenge	Harvard Business School Judge
2014-	Harvard University Data Science Institute Planning Committee	Harvard University Member
2014	Task Force on Diversity and Inclusion Metrics Sub-Committee	Harvard Medical School Co-Chair
2020-	Committee on Promotions, Reappointments, and Appointments	Harvard Medical School Member

**National**

2013-2015	Advisory Group for Health Economics	Academy Health Member
2014-2016	Board of Directors	National Perinatal Information Center Member

2014-2015	Committee for study on Diagnostic Errors in Health Care	Institute of Medicine Member
2016-2019	Technical expert panel for Episode-based resource use measures	Centers for Medicare and Medicaid Services
2017-2019	Bernie J. O'Brien New Investigator Award Selection Committee	International Society for Pharmacoeconomics and Outcomes Research
2018	Technical expert panel for MACRA Episode-Based Cost Measures-Medicare Spending Per Beneficiary (MSPB) Service Refinement	Centers for Medicare and Medicaid Services
2018-2019	National Academies Graduate Medical Outcomes and Metrics Workshop	National Academies of Medicine Participant
2018	National Academies Advisory Committee on Emerging, Science, Technology, and Innovation	National Academies of Medicine Member
2020	National Academies Committee on Implications of Discarded Weight-Based Drugs	National Academies of Medicine Member
2021	National Academies Workshop on "Towards a Post-Pandemic World – Lessons from COVID-19 for Now and the Future"	National Academies of Medicine Participant
2021	Board Member	United Network for Organ Sharing

#### **Professional Societies:**

2011-2013	American Medical Association	Member
2013-	Academy Health	Member
2013-	International Society for Pharmaceutical Outcomes Research	Member

#### **Grant Review Activities:**

2017	Ad hoc reviewer, R21/R33 Review Panel	National Institutes of Health
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#### **Editorial Activities:**

### **Ad hoc Reviewer**

American Economic Review  
American Economic Association Journal: Policy  
Annals of Emergency Medicine  
Annals of Internal Medicine  
American Journal of Managed Care  
BMJ  
Demography  
Health Affairs  
Health Services Research  
Journal of the American Medical Association  
Journal of Health Economics  
Journal of Human Capital  
Journal of Political Economy  
Journal of Policy Analysis and Management  
Journal of Law and Economics  
Medical Care  
Nature  
New England Journal of Medicine  
Quarterly Journal of Economics  
Review of Economics and Statistics  
Science  
Social Science and Medicine

### **Other Editorial Roles**

2013- Associate Editor Forums for Health Economics and Policy

### **Honors and Prizes:**

2000	Phi Beta Kappa, MIT
2000-2009	National Institutes of Health Medical Scientist Training Program Fellowship
2005-2006	National Institute of Aging Training Fellowship
2007	Eugene Garfield Award from Research! America for best paper in economics on the economic impact of medical research. Awarded jointly with Tomas J. Philipson for “Who Benefits from New Medical Technologies? Estimates of Consumer and Producers Surpluses for the New HIV/AIDS Drugs,” published in <i>BE Forum for Health Economics and Policy</i> .
2008-2009	AHRQ Postdoctoral Fellowship
2011	Finalist, National Institute for Health Care Management Foundation Annual Research Award, for “An Economic Evaluation of the War on Cancer,” published in <i>Journal of Health Economics</i> .
2011	Finalist, Annals of Internal Medicine Young Investigator Award, for “Sexually transmitted diseases among users of erectile dysfunction drugs,” published in <i>Annals of Internal Medicine</i> .
2012	Recognized as being in the top grade of reviewers for <i>Annals of Internal Medicine</i> .

2013-2014	Certificate for excellence in tutorial facilitation by Academy at Harvard Medical School (for HMS Course HC750)
2013	National Institutes of Health Director's Early Independence Award (\$2.5M, 5 year grant awarded by Office of the NIH Director to 14 scientists nationwide)
2014	Appointed to Institute of Medicine Committee on Diagnostic Errors in Health Care
2015	International Society for Pharmacoeconomics and Outcomes Research Bernie O'Brien New Investigator Award
2015	Altmetric Top 100 articles of 2015 for "Mortality and treatment patterns among patients hospitalized with acute cardiovascular conditions during dates of national cardiology meetings," published in <i>JAMA Internal Medicine</i> .
2016	Becker's Hospital Review 60 Most Powerful People in Health Care in 2016, for work documenting gender disparities in physician income published in <i>JAMA Internal Medicine</i>
2016	Altmetric Top 100 articles of 2016 for "Comparison of hospital mortality and readmission rates for Medicare patients treated by male vs female physicians," published in <i>JAMA Internal Medicine</i> .
2017	John F. Burke Keynote Lecture, Harvard Trauma and Critical Care Symposium, Boston, MA
2018	Senior Day Speaker, Department of Medicine, University of Chicago, Chicago, IL
2018	American College of Radiology Moreton Lecture, Washington, D.C.
2018	Becker's Hospital Review 100 great leaders in health care
2018	Altmetric Top 100 articles of 2017 for "Reduction in firearm injuries during NRA annual conventions," published in <i>New England Journal of Medicine</i> .
2020	TEDMED 2020 Speaker, "The profound difference between seeing and looking"
2020	Elected to American Society for Clinical Investigation (ASCI)
2024	Selected as one of the favorite professors of the Harvard Class of 2024
2025	Selected as one of the favorite professors of the Harvard Class of 2025

## **Report of Funded and Unfunded Projects:**

### **Past Funding**

2005	Me-too innovation in pharmaceutical markets Seed grant/University of Chicago Center for Health and the Social Sciences Co- investigator
2006	Surplus appropriation from R&D and technology assessment Seed grant/University of Chicago Center for Health and the Social Sciences Co- investigator
2006	Intellectual property and external consumption effects Seed grant/University of Chicago Center for Health and the Social Sciences Co- investigator
2007	Impact of Personalized Medicine on the Pharmaceutical Industry Seed grant/University of Chicago Center for Health and the Social Sciences

Co- investigator

2009	Economic efficiency and disparities in global health Seed grant/ University of Chicago Center for Health and the Social Sciences Co-investigator
2013	Screening for Free: A Value-Based Insurance Design Natural Experiment (R01) National Institutes of Health Co-investigator, PI John Hsu
2013	The role of private plans in Medicare (R01) National Institute on Aging Co-investigator, PI Joseph Newhouse
2013	Income effects and current law forecasts on health care spending growth (R01) National Institute on Aging Co-investigator, PI Michael Chernew
2013-2019	Physician determinants of health care spending, quality, and patient outcomes Office of the Director, National Institutes of Health, Early Independence Award (DP5) PI
2014	Health Care Markets and Regulation Lab, Project: An Intervention to Manage Acute Changes in Home Care Patients Laura and John Arnold Foundation Co-Investigator
2015	Evaluation of the Oncology Care Model CMS via Abt Associates Co-Investigator
2016	Diffusion of Clinical Evidence into Practice: Physician Networks, Delivery Organizations, and Markets (R56) NIH Co-Investigator
2017	Evaluating the Blue Shield of California Narcotic Safety Initiative Blue Shield of California Foundation Co-Investigator
2017	Impact of Telemedicine on Medicare Beneficiaries with Mental Illness (R01) NIH Co-Investigator
2017	The Impact of Direct-to-Consumer, Video Telehealth (R01) AHRQ

Co-Investigator

- 2017-2021      Medical reversals: De-implementing ineffective and unsafe treatments (R01)  
AHRQ  
Co-Investigator
- 2016-2021      Effects of Ambulance, Transport Distance, and Hospital Destination on Health Outcomes  
of Out-of-Hospital Medical Emergencies (R01)  
AHRQ  
Co-Investigator

### **Current Funding**

- 2019-2022      Use of Prescription Opioids Following Surgery and Associated Adverse Patient Outcomes  
in Older Adults (R56)  
NIH/NIA  
PI
- 2019-2024      Prescribing of opioids at hospital discharge and associated adverse patient outcomes (R01)  
AHRQ  
PI
- 2020-2025      The Impact of physician and health system factors on the quality of care for persons with  
Alzheimer's disease and related dementias at the end of life (R01)  
NIH  
Co-Investigator
- 2021-2025      The Impact of Surgeon Factors and Education/Training on Disparities in Surgical Care  
(R01)  
NIH  
Co-Investigator

### **Pending Funding**

- 2022-2027      Effect of the COVID-19 pandemic on care for pregnant persons (R01)  
AHRQ  
Co-Investigator
- 2022-2027      Effect of physician/health system factors and physician-patient racial/ethnic concordance  
on disparities in the care of Alzheimer's disease and related dementias (R01)  
NIH  
Co-Investigator
- 2022-2027      Novel Data Linkages to Address Persistent Opioid Use After Surgery (R01)  
NIH  
Co-Investigator

## **Report of Local Teaching and Training:**

### **Teaching of Students in Courses**

2000	Introductory microeconomics/Teaching assistant Undergraduate students	Univ. of Chicago 2, 1 hr sessions per wk for 10 wks
2001	Graduate econometrics/Teaching assistant Graduate students	Univ. of Chicago 1 hr session per wk for 10 wks
2002	Introductory microeconomics/Lecturer Undergraduate students	Univ. of Chicago 3, 1 hr sessions per wk for 10 wks
2012-2015	HC 750: Health Care Policy Medical students	Harvard Medical School 3, 1 hr tutorials per wk for 4 wks
2012-2014	Health policy journal workshop MD/MPP students	Harvard Kennedy School of Govt 4, 1.5 hr lectures per yr
2014-	Health Policy 2000 (Core course in health policy) PhD students	Harvard University 1, 2 hr lecture per yr
2015-	GHHP 50: The quality of health care in America Harvard college	Harvard University 2, 1.5 hr lectures per wk, Spring
2015-	PhD in Health Policy Research Seminar Co-Lead	Harvard University 1, 1 hr seminar per wk, Fall/Spring
2016	Essentials of the Profession (Innovation Lecture) Medical students	Harvard Medical School 2 hr lecture
2016-2108	Essentials of the Profession Medical students	Harvard Medical School 5, 1 hr tutorials per wk for 2.5 wks
2018-	Essentials of the Profession II, Director Medical students	Harvard Medical School 3, 1 hr lectures per wk for 8 wks
2018-	Research in Health Policy Summer lecture series for MD/PhD program	Harvard Medical School 1, 1 hr lectures per year
2020-	CSO 705, Economics of Medical Innovation Masters students	Harvard Medical School 1, 1 hr lecture per year
2020-	New concepts of value and evidence generation Executive education program	Harvard Medical School 8, 2 hr lectures per year
2022	Generating Research Ideas, Econ 3017 PhD students	Harvard University 1, 1 hr lecture per year

### **Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)**

2012	Medical malpractice and healthcare delivery Emergency Medicine residents	Harvard Emergency Medicine. 1, 1 hr lecture
2012-2018	Tools of Human Investigation Medical residents	Massachusetts General Hospital 5, 1.5 hr lectures per yr
2014-	Global medicine Medical residents	Massachusetts General Hospital 2, 1 hr meetings per yr

2015	National cardiology meetings and mortality Medicine residents	BWH Dept. of Medicine 1, 1 hr lecture
2016	Medical malpractice Emergency Medicine residents	Harvard Emergency Medicine 1, 1 hr lecture
2016	Race and gender bias in physician salary Neurology residents	Harvard Neurology 1, 1 hr lecture
2016-	Management and Leadership Seminar Medical residents	BWH Dept. of Medicine 1, 1 hr lecture

### **Clinical Supervisory and Training Responsibilities**

2012-	Attending physician for house staff general medicine service (Bigelow), Massachusetts General Hospital
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### **Formally Supervised Trainees**

2013	Jacqueline DePasse, MD / Medical Resident, Massachusetts General Hospital Research mentor; Project: Declining demand for duty hours as a rationale for duty hour reform. Manuscript published, <i>Journal of General Internal Medicine</i>
2013	Matthew Abola, BA / Candidate, Harvard Post-baccalaureate Program Research mentor; Project: Association between treatment toxicity and outcomes in oncology clinical trials. Manuscript published, <i>Annals of Oncology</i>
2013	Gaurie Tilak, BA / MD Candidate, Harvard Medical School Research mentor; Project: Authorship inflation in high-impact medical journals. Manuscript published, <i>Inquiry</i> .
2013-2014	Elias Dayoub, BA / MD Candidate, University of Michigan, MPP Candidate, Harvard Kennedy School Research mentor; Projects: Rethinking how we measure drug innovation (Published, Health Affairs Blog), Association between pain and tachycardia (Manuscript published, Mayo Clinic Proceedings), Health outcomes and behaviors of health care professionals (Manuscript published, Mayo Clinic Proceedings)
2013-	Dan Ly, MD / Medical Resident, Massachusetts General Hospital Research mentor; Project: Rates of divorce among U.S. physicians. Manuscript published, <i>BMJ</i> .
2013-2015	Prachi Sanghavi, BA / PhD Candidate, Harvard PhD Program in Health Policy Dissertation committee member; Project: Comparative effectiveness of pre-hospital care strategies in the United States. Manuscripts published, <i>JAMA Internal Medicine</i> and <i>Annals of Internal Medicine</i> .
2014	Vishal Arora, BA Candidate, Harvard College

	Undergraduate Senior Thesis Advisor; Project: Defensive medicine among physicians in Texas
2014-2016	Yusuke Tsugawa, BA / PhD Candidate, Harvard PhD Program in Health Policy Dissertation committee member; Project: Association of physician-level spending and outcomes in hospitalized Medicare patients
2014-	Dhruv Khullar, MD, MPH / Medical Resident, Massachusetts General Hospital Research mentor; Projects: Differences in rates of academic promotion between male and female physicians in U.S. medical schools ( <i>JAMA</i> ), Prognostic errors in health care ( <i>BMJ</i> ), Reducing diagnostic errors: why now? ( <i>NEJM</i> )
2014	Rebecca Haffajee, JD / PhD Candidate, Harvard PhD Program in Health Policy; Project: Mandatory Use of Prescription Drug Monitoring Programs. Manuscript published, <i>JAMA</i> .
2015-	Annetta Zhou, BA / PhD Candidate, Harvard PhD Program in Health Policy Dissertation committee member
2015-2016	Caroline Holte / BA Candidate, Harvard College Undergraduate Senior thesis advisor; Racial disparities in health care access
2015-2016	Anumita Das / BA Candidate, Harvard College Undergraduate Senior thesis advisor; Economics of orphan drug policy
2016	Leia Wedlund / BA Candidate, Harvard College Research advisor; Marathons and Mortality ( <i>NEJM</i> )
2017	Aakash Jain / BA Candidate, Duke University Research advisor; Natural experiments in health care
2017	Andrew Vogel / BA Candidate, Brown University Research advisor; Designing experiments in health care
2017	Spencer Luster/ MD-PhD Candidate, Harvard Medical School Research advisor
2017-2019	Caitlin Carroll, BA / PhD Candidate, Harvard PhD Program in Health Policy Dissertation committee member
2018	Willie Jin / BA Candidate, Harvard College Undergraduate Senior thesis advisor
2018	Antonio Chan / BA Candidate, Harvard College Undergraduate Senior thesis advisor
2018	Max Franzblau / BA Candidate, Harvard College

	Undergraduate Senior thesis advisor
2018	Gal Kaplowitz / BA Candidate, Harvard College Undergraduate advisor
2018-	Nathan Varady / Orthopedic Surgery Resident, Hospital for Special Surgery Research advisor
2018-2020	Monica Farid, BA / PhD Candidate, Harvard PhD Program in Health Policy Dissertation committee member
2018-2020	Dan Ly, MD, MPH / PhD Candidate, Harvard PhD Program in Health Policy Dissertation committee member
2018-	Christopher Worsham / Critical care fellow, Massachusetts General Hospital Research advisor, NIH K Primary Mentor
2018-	Andre Zimerman / Internal Medicine Resident, Hospital de Clinicas de Porto Alegre, Brazil Research advisor
2019	Sean Chanicka / BA Candidate, Harvard College Undergraduate Senior thesis advisor
2019	Mohammad Ayman / BA Candidate, Harvard College Undergraduate Senior thesis advisor
2019	Andres De Loera-Burst / BA Candidate, Harvard College Undergraduate Senior thesis advisor
2021-	David Cron / General Surgery Resident, Massachusetts General Hospital Research advisor
2022-	Dhaval Kolte / Cardiologist, Massachusetts General Hospital NIH K Primary Mentor
2023-	Lily Springer / PhD Candidate, University of Kansas Department of Economics Dissertation Committee Member
2024	Cailyn Kim / Rivers School Research Advisor
2024	Sage Tonomura-MacDonald / BA Candidate, Bowdoin College Research Advisor
2024	Strat Tolmie / BA Candidate, Harvard College

Undergraduate Thesis Advisor

2024 Hayeon Ok / BA Candidate, Harvard College  
Undergraduate Thesis Advisor

**Local invited presentations**

2005 Who Benefits from New Medical Technologies? Evidence from AIDS/Applied  
Microeconomics Series  
University of Chicago, Chicago, IL

2010 Cost-effectiveness Analysis, Economic Efficiency, and Innovation/Department of Health  
Care Policy Special Lecture Series  
Harvard Medical School, Boston, MA

2013 Value of Life in General Equilibrium/Harvard, MIT, Boston University Combined Health  
Economics Workshop  
Boston University Department of Economics, Boston, MA

2013 Medical malpractice/Department of Medicine Health Policy Seminar  
Massachusetts General Hospital, Boston, MA

2013 Medical malpractice/Department of Medicine Ambulatory Clerkship seminar  
Brigham and Women's Hospital, Boston, MA

2013 Medical malpractice/Department of Medicine Management Leadership Training seminar  
Brigham and Women's Hospital, Boston, MA

2014 Medical malpractice and health care delivery/Pediatric Grand Rounds  
Cambridge Hospital, Cambridge, MA

2014 Trends in earnings of male and female health care professionals in the U.S./Harvard Joint  
Committee on the Status of Women, Income Gender Equity event, Panelist  
Harvard Medical School, Boston, MA

2014 Multiple provider prescribing of opioids in Medicare/Department of Rheumatology  
Clinical Sciences Lecture Series  
Brigham and Women's Hospital, Boston, MA

2015 Medical malpractice/HVMA Health Policy Seminar  
Brigham and Women's Hospital, Boston, MA

2016 Sex differences in academic promotion/MGH Diversity Council  
Massachusetts General Hospital, Boston, MA

2016 Navigating Life as a Scholar at Harvard/Harvard New Faculty Institute  
Harvard University, Cambridge, MA

2016 Medical malpractice/Department of Medicine Grand Rounds  
Exeter Hospital, Exeter, NH

2016 Natural experiments in health care/Division of General Internal Medicine Grand Rounds  
Beth Israel Deaconess Hospital, Boston, MA

2017 Natural experiments in health care/Smith Center for Outcomes Research in Cardiology  
Beth Israel Deaconess Hospital, Boston, MA

2017 US Malpractice Policy and Trends/Harvard Series on Leadership in Healthcare: Policy and  
Practice  
Harvard Medical School, Boston, MA

2017 Observational studies in health care/Management and Leadership Series Lecture

2018	Brigham and Women's Hospital, Boston, MA Thinking differently/Management and Leadership Series Lecture Brigham and Women's Hospital, Boston, MA
2018	Natural experiments/Center for Evidence Based Imaging Lecture Brigham and Women's Hospital, Boston, MA
2019	Natural experiments in health care / Division of Rheumatology Grand Rounds Massachusetts General Hospital, Boston, MA
2021	Natural experiments in health care / Department of Urology Grand Rounds Brigham and Women's Hospital, Boston, MA
2021	Natural Experiments in Health Care / Beth Israel Deaconess Hospital Pathology Grand Rounds Boston, MA
2023	Natural Experiments in Health Care / Massachusetts General Hospital Medical Practice Evaluation Center Boston, MA
2024	Using Big Data to Study Gender Bias in Medicine / Brigham and Women's Hospital Department of Radiology Boston, MA

## **Report of Regional, National, and International Invited Teaching and Presentations:**

### **Regional Presentations**

Those activities below sponsored by outside entities are so noted and the sponsors are identified.

2007	Value of Life in General Equilibrium/Health Economics Speaker Series RAND Corporation, Santa Monica, CA
2013	Medical malpractice and health care delivery/Medical Grand Rounds Exeter Hospital, Exeter
2017	Natural experiments in health care/Boston University School of Public Health Boston, MA
2018	Thinking differently /Harvard University Niemann Foundation 80 <sup>th</sup> Anniversary Conference Boston, MA
2024	Random Acts of Medicine/Opportunity Insights, Harvard University Boston, MA
2024	Random Acts of Medicine/MGH Headache and Pain Grand Rounds Boston, MA
2025	Natural experiments in health care/University of Massachusetts Amherst Department of Economics Amherst, MA

### **National Presentations**

Those activities below sponsored by outside entities are so noted and the sponsors are identified.

2005 Who Benefits from New Medical Technologies? Evidence from AIDS/National Institutes of Health Director Conference  
Arlington, VA

2006 Cost-effectiveness Analysis and Innovation/National Bureau of Economic Research Health Care Meetings  
Boston, MA

2006 Economics of Exercise/American Society of Health Economists Annual Meeting  
Madison, WI

2006 Cost-effectiveness Analysis and Innovation/Federal Trade Commission Roundtable  
Washington, D.C.

2006 Value of Life in General Equilibrium/Journal of Human Capital Inaugural Conference  
State University of New York, Buffalo, NY

2007 Who Benefits from New Medical Technologies? Evidence from AIDS/Research America! Award Lecture  
Washington, D.C.

2008 Me-too Innovation in Pharmaceutical Markets/National Bureau of Economic Research Frontiers in Health Policy Meeting  
Washington, D.C.

2009 Endogenous Cost-Effectiveness Analysis in Health Care Technology Adoption/National Bureau of Economic Research Health Care Meetings  
Boston, MA

2013 Cost-Effectiveness Based Policies and Economic Efficiency/University of Chicago Meeting on Future of Health Care Reform in the U.S.  
Chicago, IL

2014 Mortality and treatment patterns among patients hospitalized with acute cardiovascular conditions during dates of national cardiology meetings/University of Washington Health Economics Seminar  
Seattle, WA

2014 Mortality and treatment patterns among patients hospitalized with acute cardiovascular conditions during dates of national cardiology meetings/Cornell University Law School Health Law and Economics Seminar  
Ithaca, NY

2014 What does it mean to do translational research in the social sciences?/American Physician Scientist Association National Meeting, Panelist  
Chicago, IL

2014 Mortality and treatment patterns among patients hospitalized with acute cardiovascular conditions during dates of national cardiology meetings/American Society for Health Economics Biennial Meeting  
Los Angeles, CA

2014 The effect of the FDA chlorofluorocarbon ban on out-of-pocket costs and utilization of albuterol inhalers among individuals with asthma/American Society for Health Economics Biennial Meeting  
Los Angeles, CA

2014 Discussant presentation: Low value health care services/American Society for Health Economics Biennial Meeting  
Los Angeles, CA

- 2014 Discussant presentation: Economics of hospitalists/American Society for Health Economics Biennial Meeting  
Los Angeles, CA
- 2014 Does medical malpractice law improve health care quality/NBER Summer Health Care Institute  
Cambridge, MA
- 2015 Is doing more, doing better? Basic versus advanced life support ambulances for medical emergencies/American College of Emergency Physicians, panel presentation with Professors Prachi Sanghavi and Joseph Newhouse  
Boston, MA
- 2015 What happens to patients when doctors leave town?/Future of Health Care Lecture Series, Kansas University  
Kansas City, KS
- 2016 Medical malpractice and the physician/Brown University Lecture Series on Health Care  
Providence, RI
- 2016 Why should we care about diagnostic errors?/National Health Policy Forum  
Washington, D.C.
- 2016 What happens to patients when doctors leave town?/Economics workshop, Clark University  
Worcester, MA
- 2016 What happens to patients when doctors leave town?/Dartmouth University  
Hanover, NH
- 2016 Updates on medical malpractice/Grand rounds, Exeter Hospital  
Exeter, NH
- 2016 The wider public health value of HCV treatments/National Viral Hepatitis Roundtable Congressional Briefing  
Washington, D.C.
- 2016 Next-generation comparative effectiveness research/Panelist, International Society for Pharmacoeconomics and Outcomes Research annual meeting  
Washington, D.C.
- 2016 Novel methods for valuing specialty drugs/ Panelist, International Society for Pharmacoeconomics and Outcomes Research annual meeting  
Washington, D.C.
- 2016 Predicting readmissions with electronic health record data/ Discussant, American Society of Health Economics Meetings  
Philadelphia, PA
- 2016 Physician overbilling in Medicare/ Discussant, American Society of Health Economics Meetings  
Philadelphia, PA
- 2016 Keynote speech on health policy research/Maxwell Health Champion's Summit  
Maxwell Health, Boston, MA
- 2016 Marathons and mortality/University of Washington  
Seattle, WA
- 2016 Marathons and mortality/Yale University  
New Haven, CT
- 2017 Natural experiments in health care/Doximity Annual Leadership Summit

San Francisco, CA

2017 Physician spending and patient mortality, Grand Rounds / Cambridge Health Alliance, Boston MA

2017 Prescribing of opioids in Medicare, Grand Rounds / Case Western Reserve University Cleveland, OH

2017 Gender differences in promotion and salary among academic physicians / American Thoracic Society Gender Equity Summit Washington, D.C.

2017 Using big data to study the impact of graduate medical education / National Academies of Medicine Workshop on GME Outcomes and Metrics Washington, D.C.

2017 Thinking differently in health care/Medical Scientist Training Program 50<sup>th</sup> Anniversary University of Chicago, Chicago, IL

2017 Using big data to study the impact of graduate medical education, National Academies of Medicine Workshop on GME Outcomes and Metrics, Washington, D.C.

2017 Marathons and mortality, Boston Medflight Annual Conference, Hanscom Airforce Base, MA.

2017 Medical malpractice and the physician, Harvard Trauma and Critical Care Symposium, John F. Burke Keynote Lecture, Boston, MA

2018 Thinking differently in health care/University of Chicago Medical Grand Rounds and Senior Day invited speaker, Chicago, IL

2017 Gender differences in promotion, salary, and quality of care / University of Colorado Hospitals Department of Medicine Grand Rounds, Aurora, CO

2018 Thinking differently / American College of Radiology Moreton Lecture, Washington, D.C.

2018 Natural experiments in health care / SUNY Stony Brook Anesthesia Grand Rounds, Long Island, NY

2018 Natural experiments in health care / UT Southwestern Medicine Grand Rounds, Dallas, TX

2019 Valuing new medical technologies / International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, New Orleans, LA

2019 Setting drug prices in Medicare: Toward a competitive market? / American Society for Health Economics Annual Meeting, Washington, D.C.

2019 New answers to old questions in opioids/ American College of Rheumatology, Atlanta, GA

2020 The profound difference between seeing and looking / TEDMED Conference, Boston, MA

2020 Alternative payments models and innovation / International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, Orlando, FL

2020 COVID-19 and Elections / Duke University Initiative for Science and Policy, Durham, NC

2021 Natural experiments in health care / Electronic Health Economics Colloquium (EHEC)

2021 Natural Experiments in health care / VCU Hospitals Department of Medicine Grand Rounds Richmond, VA

2022 Natural experiments in health care/University of Miami MSTP Symposium Keynote Miami, FL

2022 Natural experiments in health care/UT Southwestern Dallas, TX

2022 Natural experiments in health care/University of Florida Medicine Grand Rounds

	Gainesville, FL
2022	Natural experiments in health care/Academy Health Health Economics Interest Group Boston, MA
2022	Natural experiments in health care/University of Pennsylvania Philadelphia, PA
2022	Natural experiments in health care/Cleveland Clinic Cleveland, OH
2022	Accidental Medicine/Sentara Healthcare Norfolk, VA
2023	Random Acts of Medicine/St. Louis Public Library Literary Series St. Louis, MO
2023	Random Acts of Medicine/Corewell Health Grand Rapids, MI
2023	Random Acts of Medicine/Society for Cardiovascular Computed Tomography National Meeting, Keynote Boston, MA
2023	Random Acts of Medicine/University of Colorado Anschutz Aurora, CO
2023	Random Acts of Medicine/Stanford University Stanford, CA
2023	Random Acts of Medicine/ASTRO Annual Meeting, Keynote San Diego, CA
2023	Random Acts of Medicine/Family Action Network Chicago, IL
2023	Random Acts of Medicine/Truveta Seattle, WA
2024	Random Acts of Medicine/Johns Hopkins Hospital Medicine Grand Rounds Baltimore, MD
2024	Random Acts of Medicine/NYU Hospitals Cardiology Grand Rounds New York, NY
2024	Random Acts of Medicine/University of Chicago Chicago, IL
2024	Random Acts of Medicine/University of Kansas Lawrence, KS
2025	Random Acts of Medicine/University of Louisville School of Medicine Louisville, KY
2025	Random Acts of Medicine/New York University Langone School of Medicine New York, NY

### **International Presentations**

Those activities below sponsored by outside entities are so noted and the sponsors are identified.

2005	Who Benefits from New Medical Technologies? Evidence from AIDS Kiel Institute for the World Economy, Kiel, Germany
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2006	Cost-effectiveness Analysis and Innovation/ European Science Foundation New Technology and Decision Making Conference Salzau, Germany
2015	Productivity of physician care/Royal Free Hospital, National Health Service London, United Kingdom
2015	Health care quality and the economics of innovation/St. Luke's International University Tokyo, Japan
2015	Health care quality and the economics of innovation/Kyoto University Kyoto, Japan
2016	Measuring value in health care/CPB Netherlands Bureau for Economic Policy Analysis The Hague, Netherlands
2016	What happens to patients when doctors leave town?/Vall d'Hebron Hospital Barcelona, Spain
2016	What happens to patients when doctors leave town?/University of British Columbia Vancouver, Canada
2017	What happens to patients when doctors leave town?/CEMFI Madrid, Spain
2018	Natural experiments in health care/Berlin Institute of Technology Berlin, Germany
2019	Thinking differently/University College Dublin Dublin, Ireland
2019	Natural experiments in health care/University of Paris - Descartes Paris, France
2023	Natural experiments in health care/Scotland's Rural College (SRUC) Edinburgh, Scotland
2024	Natural experiments in health care/Uppsala University Uppsala, Sweden
2024	Natural experiments in health care/Swedish Economic Association Annual Meeting, Keynote Stockholm, Sweden
2025	Natural experiments in health care in the aging population/University of Paris-Cite Paris, France

## **Report of Clinical Activities and Innovations:**

### **Current Licensure and Certification**

2011-	Massachusetts Medical License
2012-	Diplomate, American Board of Internal Medicine

### **Practice Activities**

2012-	Hospitalist	Massachusetts General Hospital
2012-	Inpatient teaching service (Bigelow)	Massachusetts General Hospital

## **Report of Education of Patients and Service to the Community:**

### **Educational Material for Patients and the Lay Community**

Those activities below sponsored by outside entities are so noted and the sponsor(s) is(are) identified.

1. Host of Freakonomics, M.D. podcast
2. Opinion Contributor, TIME Magazine

### **Books, monographs, articles and presentations in other media**

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