

**HARVARD MEDICAL SCHOOL
CURRICULUM VITAE**

Date Prepared: October 6, 2020

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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

Appointments at Hospitals/Affiliated Institutions

2012- Assistant in Medicine, Hospital Medicine Unit, Department of Medicine
Massachusetts General Hospital

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

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

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-	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

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
 New England Journal of Medicine
 Quarterly Journal of Economics

Review of Economics and Statistics
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 *BE Forum for Health Economics and Policy*.
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 *Journal of Health Economics*.
2011 Finalist, Annals of Internal Medicine Young Investigator Award, for “Sexually transmitted diseases among users of erectile dysfunction drugs,” published in *Annals of Internal Medicine*.
2012 Recognized as being in the top grade of reviewers for *Annals of Internal Medicine*.
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 Invited Grand Rounds presentation at Cambridge Hospital, MA; Exeter Hospital, NH
2014 Appointed to Institute of Medicine Committee on Diagnostic Errors in Health Care
2015 Featured on Freakonomics Podcast series, “How many doctors does it take to start a health care revolution?”
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 *JAMA Internal Medicine*.
2016 Invited Grand Rounds presentation, Department of Medicine, Exeter Hospital, NH
2016 Invited Grand Rounds presentation, Division of General Internal Medicine, Beth Israel Deaconess Hospital, MA
2016 Featured on Freakonomics Podcast series, “Bad Medicine”
2016 Becker’s Hospital Review 60 Most Powerful People in Health Care in 2016, for work documenting gender disparities in physician income published in *JAMA Internal Medicine*
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 *JAMA Internal Medicine*.

- 2017 Invited Grand Rounds presentation at Cambridge Health Alliance, Boston, MA
- 2017 Invited Grand Rounds presentation at Cleveland VA Hospital, Cleveland, OH
- 2017 Invited John F. Burke Keynote Lecture, Harvard Trauma and Critical Care Symposium, Boston, MA
- 2018 Invited Grand Rounds presentation and Senior Day invited speaker, Department of Medicine, University of Chicago, Chicago, IL
- 2018 Invited Grand Rounds presentation, Department of Medicine, University of Colorado Hospitals, Aurora, CO
- 2018 American College of Radiology Moreton Lecture, Washington, D.C.
- 2018 Becker's Hospital Review 100 great leaders in health care
- 2018 SUNY Stony Brook Grand Rounds Visiting Professor, Dept. of Anesthesia
- 2018 UT Southwestern Grand Rounds Visiting Professor, Dept. of Medicine
- 2018 Altmetric Top 100 articles of 2017 for "Reduction in firearm injuries during NRA annual conventions," published in *New England Journal of Medicine*.
- 2020 TEDMED 2020 Speaker, "The profound difference between seeing and looking"

Report of Funded and Unfunded Projects:

Past Funding

- 2005 Me-too innovation in pharmaceutical markets
Seed grant/Univ. of Chicago Center for Health and the Social Sciences
Co- investigator
The goal of this project was to study the economic value of follow-on ("me-too") medications by estimating changes in demand after patent expiration of pioneer medications.
- 2006 Surplus appropriation from R&D and technology assessment
Seed grant/Univ. of Chicago Center for Health and the Social Sciences (CHESS)
Co- investigator
The goal of this project was to study the impact of cost-effectiveness based technology adoption on medical innovation.
- 2006 Intellectual property and external consumption effects
Seed grant/Univ. of Chicago Center for Health and the Social Sciences (CHESS)
Co- investigator
The goal of this project was to estimate the economic value of altruism generated by health care spending and to design efficient incentives for innovation which reflect this value.
- 2007 Impact of Personalized Medicine on the Pharmaceutical Industry
Seed grant/Univ. of Chicago Center for Health and the Social Sciences (CHESS)
Co- investigator
The goal of this project was to model the impact of new, personalized medical therapies on medication sales.
- 2009 Economic efficiency and disparities in global health
Seed grant/Univ. of Chicago Center for Health and the Social Sciences (CHESS)
Co-investigator
The goal of this project was to develop an economic framework for analyzing global health policies designed to promote health in developing countries.

- 2013 Screening for Free: A Value-Based Insurance Design Natural Experiment
National Institutes of Health
Co-investigator, PI John Hsu
This project will examine the clinical and economic effects of the Patient Protection and Affordable Care Act (ACA) mandated Medicare policy change that all Medicare beneficiaries have free access to preventive services starting in 2011.
- 2013 The role of private plans in Medicare
National Institute on Aging
Co-investigator, PI Joseph Newhouse
The Program Project intends to undertake a fundamental examination of the economics of Medicare Part C, or Medicare Advantage (MA) from a framework grounded in economic theory.
- 2013 Income effects and current law forecasts on health care spending growth
National Institute on Aging
Co-investigator, PI Michael Chernew
This project will construct a microsimulation model that will quantify the common intuition that budget constraints will, over time, slow Medicare spending growth. Our contribution will be to improve existing current-law forecasts by making this intuition explicit and by allowing forecasters to better understand how cost sharing may slow spending.

Current Funding

- 2014-2017 Laura and John Arnold Foundation: Health Care Markets and Regulation Lab
Co-Investigator (\$2,922,006)
Project 5: An Intervention to Manage Acute Changes in Home Care Patients
- 2013-2018 Physician determinants of health care spending, quality, and patient outcomes
Office of the Director, National Institutes of Health, Early Independence Award
PI
The goal of this project is to use natural experiments to study the physician-level determinants of health care spending, quality, and patient outcomes.
- 2015-2022 Evaluation of the Oncology Care Model
CMS via Abt Associates
Co-Investigator
The goal of this project is to assess the impact of the Oncology Care Model on treatment utilization, spending, quality, and patient- and provider-reported experiences.
- 2017-2021 Impact of Telemedicine on Medicare Beneficiaries with Mental Illness
NIH
Co-Investigator
The goal of this project is to assess the impact of telemedicine on mental health in Medicare.
- 2017-2020 The Impact of Direct-to-Consumer, Video Telehealth

AHRQ

Co-Investigator

The goal of this project is to assess the impact of direct to consumer video telehealth in commercial insurance.

2016-2021 Diffusion of Clinical Evidence into Practice: Physician Networks, Delivery Organizations, and Markets

NIH

Co-Investigator

The goal of this project is to analyze how new information on clinical evidence diffuses into practice according to physician, delivery system, and market characteristics.

2016-2021 Effects of Ambulance, Transport Distance, and Hospital Destination on Health Outcomes of Out-of-Hospital Medical Emergencies

AHRQ

Co-Investigator

The goal of this project is to analyze how ambulance system (advanced vs basic life support) affects quality of care after out-of-hospital medical emergencies.

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-	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 (co-taught w/ Ashish Jha)	Harvard University 2, 1.5 hr lectures per wk, Spring
2015-	PhD in Health Policy Research Seminar Lead, joint with Laura Hatfield	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-	Essentials of the Profession Medical students	Harvard Medical School 5, 1 hr tutorials per wk for 2.5 wks

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-	Tools of Human Investigation Medical residents	Massachusetts General Hospital 5, 1.5 hr lectures per yr
2014-	Resident mentoring program 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

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, *Journal of General Internal Medicine*

2013 Matthew Abola, BA / Candidate, Harvard Post-baccalaureate Program
Research mentor; Project: Association between treatment toxicity and outcomes in oncology clinical trials. Manuscript published, *Annals of Oncology*

2013 Gaurie Tilak, BA / MD Candidate, Harvard Medical School
Research mentor; Project: Authorship inflation in high-impact medical journals. Manuscript published, *Inquiry*.

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, *BMJ*.

- 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, *JAMA Internal Medicine* and *Annals of Internal Medicine*.
- 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 (*JAMA*), Prognostic errors in health care (*BMJ*), Reducing diagnostic errors: why now? (*NEJM*)
- 2014 Rebecca Haffajee, JD / PhD Candidate, Harvard PhD Program in Health Policy; Project: Mandatory Use of Prescription Drug Monitoring Programs. Manuscript published, *JAMA*.
- 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 (*NEJM*)
- 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
- 2018-2020 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
- 2018- Nathan Varady / Medical student, Harvard Medical School
Research advisor
- 2018- Andre Zimmerman / 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

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

- 2013 Boston University Department of Economics, Boston, MA
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
Brigham and Women's Hospital, Boston, MA
- 2018 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

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 80th Anniversary
Conference
Boston, 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 50th 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.
- 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

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
2006	Cost-effectiveness Analysis and Innovation/ European Science Foundation New Technology and Decision Making Conference Salzau, Germany
2015	Productivity of physician care/Invited lecture, Royal Free Hospital, National Health Service London, United Kingdom
2015	Health care quality and the economics of innovation/Invited lecture, St. Luke's International University Tokyo, Japan
2015	Health care quality and the economics of innovation/Invited lecture, Kyoto University Kyoto, Japan
2016	Measuring value in health care/Invited lecture, 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

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.

Books, monographs, articles and presentations in other media

1. **Jena AB**, Philipson TJ. "Dividing the Benefits from Medical Breakthroughs," *Milken Institute Review*, 8(1), pp. 46-55, 2006.
2. **Jena AB**, Philipson TJ. "Striking a Balance on New Technology," *America's Health Insurance Plans Coverage*, 2006.
3. Goldman D, **Jena AB**, Lakdawalla D, Philipson TJ, Reyes C, Sun E. "An economic evaluation of the war on cancer," *Vox*, 2010.
4. Chandra A, **Jena AB**, Skinner J. "The promise and challenge of comparative effectiveness research," *Vox*, 2011.
5. Lakdawalla D, Goldman D, **Jena AB**, Agus D. "Medicare End-of-Life Counseling: A Matter of Choice," *American Enterprise Institute Health Policy Outlook* (No. 7), pp. 1-7, 2011.
6. Goldman D, Schwartz S, Lakdawalla D, Philipson T, **Jena AB**. "Harnessing the promise of comparative effectiveness research," *Health Affairs Blog*, September 12, 2012.
7. Goldman D, Chernew, **Jena AB**. "Health insurance exchanges may be too small to succeed," *New York Times*, November 23, 2012.
8. Chandra A, **Jena AB**, Seabury S. "Defensive medicine may be costlier than it seems," *Wall Street Journal*, Feb 8 print edition, p. A13, 2013.
9. Bhattacharya J, Chandra A, Chernew M, Goldman D, **Jena AB**, Lakdawalla D, Malani A, Philipson T. "Best of Both Worlds: Uniting Universal Coverage and Personal Choice in Health Care," *American Enterprise Institute*, pp. 1-41, 2013.
10. Dayoub E, **Jena AB**, Lakdawalla D. "The End of the Blockbuster? Implications for Pricing of New Drugs," *Health Affairs Blog*, June 16, 2014.
11. Philipson T, **Jena AB**. "Value to Whom? How much are new treatments worth?" *Scientific American World View*, 2014.
12. Seabury S, Helland E, **Jena AB**. "California's Proposition 46 and the uncertain future of medical malpractice liability reform." *Health Affairs Blog*, December 10, 2014
13. **Jena AB**, Philipson T. "Global health: Who should pay for your altruism?" *Forbes*, 6/4/2015.
14. Khullar D, **Jena AB**. "Why some drugs price should be high?" *STAT*, March 17, 2016.
15. Khullar D, **Jena AB**. "Homicide's role in the racial life-expectancy gap," *Wall Street Journal*, April 28, 2016.
16. Khullar D, **Jena AB**. "Do incentives nudge physicians to prescribe opioids for pain?," *STAT*, August 18, 2016.
17. **Jena AB**. "Proposed new guidelines for the PBS put cost-cutting before patients," *The Guardian*, August 18, 2016.
18. **Jena AB**, Kamal-Bahl S. "Family spillover effects for health care treatments should be valued," *Health Affairs Blog*, February 10, 2017.
19. Tsugawa Y, **Jena AB**, Jha AK. "Immigrant doctors provide better care, according to a study of 1.2 million hospitalizations," *Harvard Business Review*, February 2, 2017.

20. **Jena AB**, Olenski A, Blumenthal DM, Khullar D. “Trump’s immigration order could make it harder to find a psychiatrist or a physician.” *FiveThirtyEight*, February 3, 2017.
21. **Jena AB**, Khullar D. “To increase vaccination rates, share information on disease outbreaks,” *Harvard Business Review*, February 22, 2017.
22. Barnett ML, **Jena AB**. “Long term opioid addiction can start in the ER,” *Los Angeles Times*, February 27, 2017.
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