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

Appointments at Hospitals/Affiliated Institutions

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

Massachusetts General Hospital

Other Professional Positions:

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1997-1999	Researcher, Laboratory of Thomas Wilson, Dept. of Cell Biology, HMS	
1999	Intern, National Economic Research Associates	
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	Harvard University
	Dissertation Fellowship Award Committee	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	Harvard University
	Planning Committee	Member
National		
2013-	Advisory Group for Health Economics	Academy Health
2012	Travisory Group for Tradicit Economics	Member
2014-	Board of Directors	National Perinatal Information Center
		Member
2014-2015	Committee for study on Diagnostic Errors	Institute of Medicine
	in Health Care	Member
2016	Technical expert panel for Episode-based	Centers for Medicare and Medicaid
	resource use measures	Services
2017-2019	Bernie J. O'Brien New Investigator Award	International Society for
	Selection Committee	Pharmacoeconomics and Outcomes
		Research

2018 Technical expert panel for MACRA Centers for Medicare and Medicaid

Episode-Based Cost Measures-Medicare Services

Spending Per Beneficiary (MSPB) Service

Refinement

Professional Societies:

2011-2013American Medical AssociationMember2013-Academy HealthMember2013-International Society for Pharmaceutical Outcomes ResearchMember

Grant Review Activities:

2017 Ad hoc reviewer, R21/R33 Review Panel National Institutes of Health

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 <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 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 <i>JAMA Internal Medicine</i> .
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 <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	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
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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.

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.

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.

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	Univ. of Chicago
	Undergraduate students	2, 1 hr sessions per wk for 10 wks
2001	Graduate econometrics/Teaching assistant	Univ. of Chicago
	Graduate students	1 hr session per wk for 10 wks
2002	Introductory microeconomics/Lecturer	Univ. of Chicago
	Undergraduate students	3, 1 hr sessions per wk for 10 wks
2012-2015	HC 750: Health Care Policy	Harvard Medical School
	Medical students	3, 1 hr tutorials per wk for 4 wks
2012-	Health policy journal workshop	Harvard Kennedy School of Govt
	MD/MPP students	4, 1.5 hr lectures per yr
2014-	Health Policy 2000 (Core course in health policy)	Harvard University
	PhD students	1, 2 hr lecture per yr
2015-	GHHP 50: The quality of health care in America	Harvard University
	Harvard college (co-taught w/ Ashish Jha)	2, 1.5 hr lectures per wk, Spring
2015-	PhD in Health Policy Research Seminar	Harvard University
	Lead, joint with Laura Hatfield	1, 1 hr seminar per wk, Fall/Spring
2016	Essentials of the Profession (Innovation Lecture)	Harvard Medical School
	Medical students	2 hr lecture
2016-	Essentials of the Profession	Harvard Medical School
	Medical students	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

2010	Medical residents	1, 1 hr lecture
Clinical Supervisory and Training Responsibilities		
2010-2011 2011-2012 2012-	Junior supervising resident for team of 4 interns and General Medicine Service/Massachusetts General F Senior supervising and teaching resident for interns Attending physician for house staff general medicin General Hospital, 2 wks/yr	Hospital, 2 mos/yr s, 6 wks/yr
Formally Sup	pervised Trainees	
2013	Jacqueline DePasse, MD / Medical Resident, Massa Research mentor; Project: Declining demand for du reform. Manuscript published, <i>Journal of General Resident</i>	ty hours as a rationale for duty hour
2013	Matthew Abola, BA / Candidate, Harvard Post-back Research mentor; Project: Association between treat oncology clinical trials. Manuscript published, <i>Anna</i>	atment toxicity and outcomes in
2013	Gaurie Tilak, BA / MD Candidate, Harvard Medica Research mentor; Project: Authorship inflation in h Manuscript published, <i>Inquiry</i> .	
2013-2014	Elias Dayoub, BA / MD Candidate, University of M Kennedy School Research mentor; Projects: Rethinking how we mea Health Affairs Blog), Association between pain and Mayo Clinic Proceedings), Health outcomes and be (Manuscript published, Mayo Clinic Proceedings)	asure drug innovation (Published, l tachycardia (Manuscript published,
2013-	Dan Ly, MD / Medical Resident, Massachusetts Ge Research mentor; Project: Rates of divorce among <i>BMJ</i> .	
2013-2015	Prachi Sanghavi, BA / PhD Candidate, Harvard Phl Dissertation committee member; Project: Comparat strategies in the United States. Manuscripts publish <i>Annals of Internal Medicine</i> .	tive effectiveness of pre-hospital care
2014	Vishal Arora, BA Candidate, Harvard College Undergraduate Senior Thesis Advisor; Project: Def Texas	ensive medicine among physicians in
2014-2016	Yusuke Tsugawa, BA / PhD Candidate, Harvard Ph	nD Program in Health Policy

BWH Dept. of Medicine

Management and Leadership Seminar

2016

	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-	Caitlin Carroll, BA / PhD Candidate, Harvard PhD Program in Health Policy Dissertation committee member
2017-	Willie Jin / BA Candidate, Harvard College Undergraduate Senior thesis advisor
2018-	Monica Farid, BA / PhD Candidate, Harvard PhD Program in Health Policy Dissertation committee member
2018-	Dan Ly, MD, MPH / PhD Candidate, Harvard PhD Program in Health Policy Dissertation committee member

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
•04.5	Massachusetts General Hospital, Boston, MA
2016	Navigating Life as a Scholar at Harvard/Harvard New Faculty Institute
•04.5	Harvard University, Cambridge, MA
2016	Medical malpractice/Department of Medicine Grand Rounds
2016	Exeter Hospital, Exeter, NH
2016	Natural experiments in health care/Division of General Internal Medicine Grand Rounds
2015	Beth Israel Deaconess Hospital, Boston, MA
2017	Natural experiments in health care/Smith Center for Outcomes Research in Cardiology
2017	Beth Israel Deaconess Hospital, Boston, MA
2017	US Malpractice Policy and Trends/Harvard Series on Leadership in Healthcare: Policy and
	Practice MA
2017	Harvard Medical School, Boston, MA
2017	Observational studies in health care/Management and Leadership Series Lecture
	Brigham and Women's Hospital, Boston, MA

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

Regional PresentationsThose 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 th Anniversary
	Conference
	Boston, MA

National PresentationsThose activities below so

ad by outside entities are so noted and the snansors are identified

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	
2005	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	
2000	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	
2000	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	
2009	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	
2014	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
2017	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
2017	Washington, D.C. Thinking differently in health core Medical Scientist Training Program 50 th Applyorage.
2017	Thinking differently in health care/Medical Scientist Training Program 50 th Anniversary University of Chicago, Chicago, IL
2017	Using big data to study the impact of graduate medical education, National Academies of
2017	Medicine Workshop on GME Outcomes and Metrics, Washington, D.C.
2017	Marathons and mortality, Boston Medflight Annual Conference, Hanscom Airforce Base,
2017	MA.
2017	Medical malpractice and the physician, Harvard Trauma and Critical Care Symposium,
2017	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

International Presentations

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

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

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-		1 day per wk
	Inpatient teaching service (Bigelow)	Massachusetts General Hospital
		Daily for 2 wks per year

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," *VoxEU.org*, 2010.
- 4. Chandra A, **Jena AB**, Skinner J. "The promise and challenge of comparative effectiveness research," *VoxEU.org*, 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* Economix Blog, 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.
- 23. **Jena AB**, Khullar D. "Health care has "never events." Law enforcement should, too." *Slate*, March 7, 2017.

- 24. Tsugawa Y, **Jena AB**. "Higher U.S. physician spending doesn't lead to better patient outcomes." *Harvard Business Review*, March 13, 2017.
- 25. **Jena AB**, Gray J, Richardson S, Khullar D. "Did the election stress Americans out? If it did, we didn't see doctors about it." *FiveThirtyEight*, March 17, 2017.
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