

CURRICULUM VITAE

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Name: David Chimin Chan, Jr., MD, PhD

Work Address: Center for Health Policy and
Center for Primary Care and Outcomes Research
117 Encina Commons
Stanford, CA 94305-6019
Voice: 650-725-9582 Fax: 650-723-1919
Email: david.c.chan@stanford.edu

Current Academic Positions:

2013- Assistant Professor of Medicine, Stanford University
2013- Investigator, Center for Health Care Evaluation, Department of
Veterans Affairs Health Care System
2014- Faculty Research Fellow, National Bureau of Economic Research
2016- Faculty Fellow, Stanford Institute for Economic Policy Research
2017- Assistant Professor of Health Research and Policy, Stanford
University (by courtesy)

Education:

1999 BA, Mathematics and Economics, *summa cum laude*, University
of California at Riverside
2002 MSc, International Health Policy, distinction, London School of
Economics and Political Science
2003 MSc, Economics for Development, University of Oxford
2005 MD, Medicine, University of California at Los Angeles
2013 PhD, Economics, Massachusetts Institute of Technology
Advisors: Jonathan Gruber (chair), Robert Gibbons, David Cutler

Postdoctoral Training:

6/2008-6/2011 Fellow, Harvard Medical School Faculty Development Fellowship
General Internal Medicine, Brigham and Women's
Hospital/Harvard Medical School
6/2006-6/2008 Resident, Internal Medicine, Brigham and Women's Hospital
6/2005-6/2006 Intern, Internal Medicine, Brigham and Women's Hospital

Past Academic Appointments:

11/2010-6/2013 Instructor in Medicine (BIDMC), Harvard Medical School

Appointments at Hospitals/Affiliated Institutions:

8/2013-	Staff Physician, Internal Medicine, Palo Alto Veterans Affairs Health Care System
11/2010-6/2013	Staff Physician, Medicine/General Medicine, Beth Israel Deaconess Medical Center
12/2008-6/2013	Staff Physician, Medicine/Internal Medicine, McLean Hospital, Massachusetts General Physicians Organization
7/2008-6/2013	Staff Physician, Medicine/Internal Medicine, Brigham and Women's Hospital

Other Professional Positions:

2011-2012	Entrepreneur in Residence, White House Office of Science and Technology Policy and US Food and Drug Administration
2008-2010	Staff Fellow, Office of Planning and Analysis, Center for Drug Evaluation and Research, US Food and Drug Administration
2007-2008	Medical Device Fellow, Center for Devices and Radiological Health, US Food and Drug Administration
2019-	Advisory Committee Member, NBER Roybal Center for Behavior Change in Health

Working Papers

1. Selection with Skills: Evidence from Radiologists. Revision requested at *Quarterly Journal of Economics*. (with Matthew Gentzkow and Chuan Yu)
2. Mastering the Art of Cookbook Medicine: Machine Learning, Randomized Trials, and Misallocation. (with Jason Abaluck, Leila Agha, Daniel Singer, and Diana Zhu)
3. A Doctor Will See You Now: Physician-patient Relationships and Clinical Decisions. (with Marit Rehavi, Erin Johnson, and Daniela Carusi)

Publications (Economics):

1. How Sensitive Are Low Income Families to Health Plan Prices? *American Economic Review Papers and Proceedings* 2010 May; 100(2): 292-6. (with Jonathan Gruber)
2. Teamwork and Moral Hazard: Evidence from the Emergency Department. *Journal of Political Economy* 2016 June; 124(3): 734-770.
3. The Efficiency of Slacking Off: Evidence from the Emergency Department. *Econometrica* 2018 May; 86(3): 997-1030.
4. Industry Input in Policymaking: Evidence from Medicare. *Quarterly Journal of Economics* 2019 August; 134(3): 1299-1342. (with Michael Dickstein)

5. Provider Discretion and Variation in Resource Allocation: The Case of Triage Decisions. *American Economic Review Papers and Proceedings* 2020 May; 110: 279-283. (with Jonathan Gruber)
6. Influence and Information in Team Decisions: Evidence from Medical Residency. *American Economic Journal: Economic Policy* (Forthcoming).

Publications (Health Policy and Health Services Research):

1. **Chan, David C.**, Paul A. Heidenreich, Milton C. Weinstein, Gregg C. Fonarow. Heart Failure Disease Management Programs: a cost-effectiveness analysis. *American Heart Journal* 2008; 155(2):332-338.
2. **Chan, David C.**, Philip K. Pollett, Milton C. Weinstein. Quantitative risk stratification in Markov chains with limiting conditional distributions. *Medical Decision Making* 2009; 29:532-540.
3. Jha, Ashish K., **David C. Chan**, Abigail Ridgway, Cal Franz, David W. Bates. Improving safety and eliminating redundant tests: cutting costs in US hospitals. *Health Affairs* 2009; 28(5):1475-1484.
4. **Chan, David C.**, William H. Shrank, David Cutler, Michael A. Fischer, M. Alan Brookhart, Jerry Avorn, Daniel Solomon, Niteesh K. Choudhry. Patient, physician, and payment predictors of statin adherence. *Medical Care* 2010 Mar; 48(3):196-202.
5. Joynt, Karen E., **David C. Chan**, John E. Orav, Ashish K. Jha. The impact of Massachusetts healthcare reform on preventable hospitalizations for previously insured Medicare patients. *Health Affairs* 2013 Mar; 32(3):571-578.
6. Joynt, Karen E., **David C. Chan**, Jie Zheng, John E. Orav, Ashish K. Jha. The impact of Massachusetts health care reform on access, quality, and costs of care for the already-insured. *Health Services Research* 2014 Sep 15. doi: 10.1111/1475-6773.12228. [Epub ahead of print].
7. **Chan, David C.**, Johnny Huynh, David M. Studdert. The accuracy of valuations of surgical procedures in the Medicare fee schedule. *New England Journal of Medicine* 2019 Apr 18; 380(16):1546-1544.
8. Reif, Julian, **David C. Chan**, Damon Jones, Laura Payne, David Molitor. Effects of a workplace wellness program on employee health, health beliefs, and medical use: a randomized clinical trial. *JAMA Internal Medicine* 2020 May 26. Doi:10.1001/jamainternmed.2020.1321. [Epub ahead of print].

Work in Progress

1. What Do Patients Get from Expanding Health Care Capacity? Evidence from the Veterans Health Administration. (with Joshua Gottlieb)

2. Is There a VA Advantage? Evidence from Dually Eligible Veterans. (with David Card and Lowell Taylor)
3. Triage Judgments in the Emergency Department. (with Jonathan Gruber)
4. Regulating by Quantity in Medicare. (with Maria Polyakova)

Honors and Prizes:

2014	NIH Director's Early Independence Award
2011	George and Obie Schultz Fund Award, MIT Department of Economics
2007	Martin P. Solomon Education Grant, Brigham and Women's Hospital
2006	Neil R. Powe Award for epidemiology and outcomes research, Johns Hopkins University School of Medicine
2005	William N. Valentine Award for highest scholarly distinction in Internal Medicine, UCLA David Geffen School of Medicine
2002-2003	George Webb Medley Grant, Oxford University, England
2002	Brian Abel-Smith for best dissertation, London School of Economics
2001-2003	British Marshall Scholarship, Association of Commonwealth Universities
2001	Rhodes Scholarship National Finalist, The Rhodes Trust
1998	Phi Beta Kappa (early election in Junior year), Phi Beta Kappa Honor Society
1997-1999	Chancellor's List, University of California at Riverside
1997	Omicron Delta Kappa, Omicron Delta Kappa Honor Society
1997	Golden Key, Golden Key Honor Society
1995-1999	Dean's List, University of California at Riverside
1995-1999	National Merit Scholarship, National Merit Scholarship Corporation
1995-1999	Regents Scholarship, University of California at Riverside
1999	Mark P. Hanna Award for best graduating mathematics major, University of California at Riverside

Funding Information:

Current:

2014-2020	<i>The Benefit and Burden of Electronic Reminders in Optimizing Patient Care</i> NIH DP5OD019903-01, PI, \$1,250,000
2016-2020	<i>The Impact of Local Coverage Determinations on Costs and Patient Outcomes</i>

- NIH P30AG012810 (Pilot), Pilot Project Leader (Wise PI),
\$33,000
- 2018-2022 *Evaluating the VA Make-or-Buy Decision in Emergency Care*
VA HSRD 1 I01 HX002631-01, PI, \$1,093,544
- Past:
- 2011 National Bureau of Economic Research Fellowship in Aging and
Health Economics NIA/T32 AG000186
Declined due to other funding
- 2011-2013 *The Effect of Universal Health Care on the Previously Insured:
Evidence from Medicare in Massachusetts*
Rx Foundation, Co-PI (Jha PI), \$254,028
- 2011-2013 *Social Networks and Peer Effects Among Emergency Physicians*
Charles A. King Trust Postdoctoral Fellowship, PI, \$95,000
- 2011-2013 *Peer Effects in the Emergency Department on Productivity and
Patient Choice*
AHRQ F32-HS021044, PI, \$123,008
- 2013-2014 *Causes and Consequences of Physician Practice Patterns:
Evidence from VA Primary Care*
VA HSR&D LIP 14-CC1, Co-PI (Chan and Chee PIs), \$17,317
- 2011-2014 *Estimating the Potential Medicare Savings from Comparative
Effectiveness Research*
NIH R37-150127-5054662-0002, Investigator (Garber PI)
- 2014-2015 *The Role of the Doctor-patient Relationship in Decision-making*
P30AG024957-10 Seed, Co-PI (Chan and Chee PIs), \$14,639
- 2015-2017 *Physician Behavior and Organizational Productivity*
NIH Loan Repayment Program
NIH 1 L30 AG051189-01, PI, \$70,000
- 2016-2017 *Evaluating Preferences and Training Outcomes from the
Residency Match*
NIH AG017253 (Pilot), Pilot Project Leader (Bhattacharya PI),
\$25,000

Invited Presentations (since 2013, including Scheduled):

American Economic Association Annual Meeting (2014, 2015, 2017, 2019), American Society of Health Economists Biennial Conference (2014, 2016, 2018, 2019), Annual

Health Economics Conference (AHEC) (2017), Becker Friedman Institute Conference (Chicago) (2019), Boston University / Harvard / MIT Health Economics Seminar (2016), Brigham Young University Economics (2020), Caltech (2017), Carnegie Mellon University Heinz College (2013, 2015), Carnegie Mellon Tepper (2019), Case Western Reserve University Economics (2015), Chicago Booth Applied Economics (2015), Chicago Booth Junior Health Economics (Whistler) (2015-2018), Columbia Business School (2015), Columbia University Industrial Organization (2018), Columbia School of Public Health (2013), Cornell Economics and Policy (joint) (2017), Cornell Law School (2014), Cornell Weill Medical College (2013, 2015), Dartmouth College (2013), Duke Fuqua Business School (2013, 2015), Duke Law School (2018), Erasmus University (2019), ETH Zurich (2014), Harvard Business School (2013), Harvard Medical School Department of Health Care Policy (2013, 2017), HEC Montreal Economics (2018), Hong Kong University (2018), International Health Economics Association World Congress (2014, 2017), Johns Hopkins Bloomberg School of Public Health (2013, 2015), Johns Hopkins Carey Business School (2013, 2015), LSE (2018), Lund University (2019), McGill University Economics (2019), MIT (2017), Montreal Political Economy Conference (2017), National Taiwan University / Academia Sinica (2018), National University of Singapore (2018), NBER Machine Learning in Health Care (2018, 2019), NBER Organizational Economics (2015, 2017), NBER Productivity Innovation and Entrepreneurship (2015), NBER Summer Institute Health Care (2013, 2015, 2018, 2019), NBER Summer Institute Personnel (2014), New York City Health Economics Seminar (Columbia, Cornell, CUNY, NYU) (2015, 2018), Northwestern University Economics (2019), Paris School of Economics (2015), Princeton (2018), Queen's School of Business (2014), Queen's University Economics of Organization (2015), RAND (2013, 2014, 2018), Rice University Economics (2015), Simon Fraser (2017), SIOE (2017, 2018), Stanford Medical School (2013), Toulouse School of Economics (2015), Tulane (2016), University of Arizona Economics (2015), UBC (2017), UC Berkeley IO (2018), UC Berkeley Labor (2019), UC Irvine Economics and Business School (2015), UCLA David Geffen School of Medicine (2013), UC San Diego (2018), Universat Pompeu Fabra (2016), UC Santa Barbara (2018), University College London (2016, 2019), University of Copenhagen (2019), University of Illinois (2017), University of Maryland Economics (2015), University of Michigan Medical School (2013), University of Michigan Ross School of Business (2013), University of Munich (2016), University of North Carolina Economics (2015), University of Pennsylvania Medical School (2013), University of Pennsylvania Wharton School of Business (2013, 2020), University of Pennsylvania LDI (2017), University of Rochester (2016), University of Toronto (Rotman and Economics) (2015), US Department of Justice (2015, 2017), US Federal Trade Commission (2017), USC Schaeffer Health Policy Center (2013, 2015), USC Price School of Public Policy (2013), UT Austin Economics (2015), Veterans Affairs Center for Health Care Evaluation (2013, 2014), Washington University (Olin) (2017), Western Economic Association International (2015, 2016, 2019, 2020), and Yale Public Health (2013)

Current Licensure and Certification:

2007-	Medical License, Commonwealth of Massachusetts
2008-	Diplomate, American Board of Internal Medicine

Professional Service

Referee: *American Economic Journal: Applied Economics*, *American Economic Journal: Economic Policy*, *American Economic Journal: Microeconomics*, *American Economic Review*, *American Journal of Health Economics*, *European Journal of Health Economics*, *JAMA Internal Medicine*, *Journal of the American Medical Association*, *Journal of the European Economic Association*, *Journal of Health Economics*, *Journal of Human Resources*, *Journal of Labor Economics*, *Journal of Political Economy*, *Journal of Public Economics*, *PLOS ONE*, *RAND Journal of Economics*, *Quarterly Journal of Economics*, *Review of Economic Studies*, *Review of Economics and Statistics*, *Science*

Teaching

1. Stanford: Instructor, Topics in Health Economics (with Maria Polyakova), 2016-
2. Stanford: Instructor, Outcomes Analysis (with Eran Ben David and Jay Bhattacharya), 2016-
3. Stanford: Instructor, First-year PhD Tutorial in Health Economics, 2015
4. Stanford: Guest Lecture, Graduate Health Economics, 2014