

**ZACK COOPER**  
**YALE UNIVERSITY**

*Curriculum Vitae*

87 Trumbull Street  
New Haven, CT 06520

Updated: July, 2024

**Education:**

A.B. University of Chicago, 2005  
MSc London School of Economics, 2006  
Ph.D. London School of Economics, 2011

**Career/Academic Appointments:**

2024-Present Associate Professor, Department of Health Policy and Management, Yale School of Public Health (Primary Appointment); Department of Economics (Secondary Appointment), Yale University (tenured)  
2018-2024 Associate Professor, Department of Health Policy and Management, Yale School of Public Health (Primary Appointment); Department of Economics (Secondary Appointment), Yale University (on term)  
2012-2018 Assistant Professor, Department of Health Policy and Management, Yale School of Public Health (Primary Appointment); Department of Economics (Secondary Appointment), Yale University  
2011-12 Postdoctoral Fellow in Economics, Centre for Economic Performance, London School of Economics

**Additional Positions, Government Service, and Past Employment:**

2020-2021 Connecticut Healthcare Cost Growth Benchmark Technical Team  
2019-Present Faculty Research Fellow, National Bureau of Economics Research  
2019-Present Associate Director, Tobin Center for Economic Policy, Yale University  
2014-2020 Charter Faculty, Jackson Institute for Global Affairs, Yale University  
2012-2021 Director of Health Policy, Institution for Social and Policy Studies, Yale University  
2012-Present Faculty Associate, Centre for Economic Performance, London School of Economics  
2008 Special Assistant, UK Department of Health

**Professional Honors & Fellowships**

2021 NIHCM Foundation Research Award for Best Paper  
2020 Yale School of Public Health Investigator Research Award  
2019 Andrew Carnegie Fellow  
2019 NIHCM Foundation Research Award for Best Paper  
2016 Visiting Fellow, Hoover Institution, Stanford University  
2011 Richard Titmuss Prize for Best PhD Thesis (LSE)  
2011 Economic and Social Science Research Council Postdoctoral Fellowship  
2007 Morris Finer Memorial PhD Fellowship  
2007 London School of Economics Post Graduate Studentship  
2005 Graduate with Honors, the University of Chicago  
2002-2005 Dean's List, the University of Chicago

## Bibliography

### *Working Papers (Authorship is Alphabetical)*

1. Cooper Z, Doyle JJ, Graves JA, Gruber J. Do higher-priced hospitals deliver higher-quality care? NBER Working Paper No. 28909, 2022. Reject & Resubmit, Journal of Political Economy. NBER Working Paper No. 29809. DOI 10.3386/w29809
2. Brot-Goldberg Z, Cooper Z, Craig SV, Klarnet L, Lurie I, Miller C. Who pays for rising health care prices? Evidence from hospital mergers. NBER Working Paper No. 32613. DOI 10.3386/w32613

### *Peer-Reviewed Economics Research (Authorship is Alphabetical)*

3. Cooper Z, Gibbons S, Jones S, McGuire A. Does hospital competition save lives? evidence from the English NHS patient choice reforms. The Economic Journal. 2011;121(554):228-260. PMID: [25821239](#), PMCID: [PMC4373154](#), DOI: [10.1111/j.1468-0297.2011.02449.x](#).
4. Cooper Z, Gibbons S, Skellern M. Does competition from private surgical centers improve hospitals' performance? evidence from the English National Health Service. Journal of Public Economics. 2018;166:63-80. DOI: [10.1016/j.jpubeco.2018.08.002](#).
5. Cooper Z, Craig S, Gaynor M, Van Reenen J. The price ain't right? hospital prices and health spending on the privately insured. The Quarterly Journal of Economics. 2018;134(1):51-107. PMID: [32981974](#), PMCID: [PMC7517591](#), DOI: [10.1093/qje/qjy020](#).
6. Cooper Z, Scott Morton F, Shekita N. Surprise! out-of-network billing for emergency care in the United States. Journal of Political Economy. 2020;128(9):3626-3667. DOI: [10.1086/708819A](#).
7. Chernew M, Cooper Z, Larsen Hallock E, Scott Morton F. Physician agency, consumerism, and the consumption of lower-limb MRI scans. Journal of Health Economics. 2021;76(C):40-58. PMID: [33581664](#), DOI: [10.1016/j.jhealeco.2021.102427](#).
8. Cooper Z, Kowalski AE, Powell EN, Wu J. Politics and health care spending in the United States: evidence from the passage of the 2003 Medicare Modernization Act. Journal of Health Economics (Forthcoming)
9. Brot-Goldberg Z, Cooper Z, Craig SV, Klarnet L. Is There Too Little Antitrust Enforcement in the US Hospital Sector? American Economic Review: Insights (Forthcoming)

### *Peer-Reviewed Medical and Health Policy Research*

10. **Cooper Z**, McGuire A, Jones S, Le Grand J. Equity, waiting times, and NHS reforms. British Medical Journal. 2009;339:3264-3271. PMID: [19729415](#), PMCID: [PMC2737605](#), DOI: [10.1136/bmj.b3264](#).
11. Dodson JA, Wang Y, Murugiah K, Dharmajan K, **Cooper Z**, Hashim S, Nuti SV, Spatz E, Desai H, Krumholz H. National trends in hospital readmissions rates among Medicare fee-for-service survivors of mitral valve surgery, 1999-2010. PLoS One. 2015; 10: 132-40. PMID: [26147225](#), PMCID: [PMC4493110](#), DOI: <https://doi.org/10.1371/journal.pone.0132470>.
12. Murugian K, Wang, Y, Dodson JA, Nuti S, Dharmarajan K, Ranasinghe I, **Cooper Z**, Krumholz HM. Trend in hospitalizations among Medicare survivors of Aortic valve replacement in United States, 1990-2010. Annals of Thoracic Surgery. 2015; 99: 509-517. PMID: [2557425](#), PMCID: [PMC4454375](#). DOI: [10.1016/j.athorasur.2014.08.045](#).

13. **Cooper Z**, Scott Morton F. Out-of-network emergency-physician bills: an unwelcome surprise. *New England Journal of Medicine*. 2016;375(20):1915-1918. PMID: [27959612](#), DOI: [10.1056/NEJMp1608571](#).
14. **Cooper Z**, Craig S, Gray C, Gaynor M, Van Reenan J. Variation in health spending growth for the privately insured from 2007 to 2014. *Health Affairs*. 2019;38(2):230-236. PMID: [30715989](#), DOI: [10.1377/hlthaff.2018.05245](#).
15. **Cooper Z**, Craig S, Gaynor M, Harish N, Krumholz H, Van Reenen J. Hospital prices grew substantially faster than physician prices from 2007 to 2014. *Health Affairs*. 2019;38(2):184-189. PMID: [30715987](#), DOI: [10.1377/hlthaff.2018.05424](#).
16. **Cooper Z**, Nguyen H, Shekita N, Scott Morton F. Out-of-network billing and negotiated payments for hospital-based physicians. *Health Affairs*. 2019;39(1):24-32. PMID: [31841351](#), DOI: [10.1377/hlthaff.2019.00507](#).
17. **Cooper Z**, Han J, Mahoney N. Hospital lawsuits over unpaid bills increased by 37% in Wisconsin from 2001 to 2018. *Health Affairs*. 2021;40(12):1830-1835. DOI: [10.1377/hlthaff.2021.01130](#).
18. **Cooper Z**, Stiegman O, Ndumele C, Staiger B, Skinner J. Geographical variation in health spending across the US among privately insured individuals and enrollees in Medicaid and Medicare. *JAMA Open*. 2022;5(7):1-11. PMID: [35857326](#), PMCID: [PMC9301520](#), DOI: [10.1001/jamanetworkopen.2022.22138](#).

***Non-Peer-Reviewed Articles and Commentaries (Authorship is Alphabetical)***

19. Charlesworth A, Cooper Z. Making competition work in the English NHS: The case for maintaining regulated prices. *Journal of Health Services Research and Policy*. 2011;16(4):193-194. PMID: [21890682](#), DOI: [10.1258/jhsrp.2011.011038](#).
20. Bloom N, Cooper Z, Gaynor M, Gibbons S, Jones S, McGuire A, Moreno-Serra R, Propper C, Van Van Reenen J, Seiler S. In defense of our research on competition in England National Health Service. *The Lancet*. 2011;378(9089):2064-2065. DOI: [10.1016/S0140-6736\(11\)61708-X](#).
21. Le Grand J, Cooper Z. Framing health reform. *Health Economics, Policy and Law*. 2013;8(2):251-257. DOI: [10.1017/S1744133113000078](#).
22. Cooper Z, Scott Morton F. Authors reply: Facts matter. *New England Journal of Medicine*. 2017;376(9):899-900. DOI: [10.1056/NEJMc1700368](#).
23. Cooper Z, Scott Morton F. 1% steps for health care reform: Implications for health care policy and for researchers. *Health Services Research*. 2021;56(3):346-349. 1. DOI: [10.1111/1475-6773.13658](#).

**Invited Academic Presentations**

- 2024: Stanford University, Cornell University, London School of Economics, Harvard University (scheduled)
- 2023: National Academy of Science, National Bureau of Economics Research Summer Institute, American Society of Health Economics, Columbia University Non-Market Effects of Market Power Conference, American Health Economics Conference, University of Chicago
- 2022: University of Copenhagen, ITAM Business School, Mexico City, The Ohio State University, Stanford University, University of Pennsylvania, Princeton University, UCLA
- 2021: American Economic Association Annual Meeting
- 2020: Columbia University, Memorial Sloan Kettering
- 2019: Boston University, Johns Hopkins University, Princeton University

- 2018: Dartmouth College, Harvard University
- 2017: University of Utah Business Economics Conference, University of British Columbia, Northwestern University, National Bureau of Economics Research Summer Institute, Harvard University
- 2016: BU/Harvard/MIT Health Seminar, American Economic Association, Mt. Sinai School of Medicine, University of Chicago Booth School of Business, University of Chicago Harris School of Public Policy, National Bureau of Economics Research, American Society of Health Economics, the Brookings Institution
- 2015: Dartmouth College, Stanford University, National Bureau of Economic Research, Northwestern Health Markets Conference
- 2014: London School of Economics, University of York, American Society of Health Economics, Academy Health, American Economic Association Annual Meeting

### **Public Policy Presentations**

1. “Consolidation and Corporate Ownership in Health Care: Trends and Impacts on Access, Quality, and Costs,” United State Senate, Committee on Finance, Washington, DC, 2023.
2. “Hospital Pricing and Health Spending in the US,” Vermont Green Mountain Care Board, Burlington, VT, 2023.
3. “1% Steps for Health Care Reform,” US Department of Defense, Washington, D.C., 2021.
4. “Provider Prices and Health Care Spending,” Massachusetts State Legislature, Boston, MA, 2020.
5. “Surprise! Out-of-Network Billing for Emergency Care in the United States,” the White House, Washington, D.C., 2019.
6. “Provider Prices and Health Spending,” Connecticut Health Care Cabinet, Hartford, CT, 2016.
7. “The Price Ain’t Right? Hospital Prices and Health Spending in the United States,” Council of Economic Advisors, the White House, Washington, D.C., 2016.
8. “The Price Ain’t Right? Hospital Prices and Health Spending in the United States,” Congressional Budget Office, Washington, D.C., 2016.
9. “The Price Ain’t Right? Hospital Prices and Health Spending in the United States,” Medicare Payment Advisory Committee, Washington, D.C., 2016.
10. “The Price Ain’t Right? Hospital Prices and Health Spending in the United States,” Federal Trade Commission, Washington, D.C., 2016.
11. “The Price Ain’t Right? Hospital Prices and Health Spending in the United States,” Department of Justice, Washington, D.C., 2016.
12. “The Price Ain’t Right? Hospital Prices and Health Spending in the United States,” US Census Bureau of Economic Analysis, Washington, D.C., 2016.

### **Media Coverage**

The New York Times, the Washington Post, the Wall Street Journal, the Financial Times, the New Yorker, the Economist, USA Today, the Boston Post, the LA Times, the Sun Herald, the Baltimore Sun, the Denver Post, the Milwaukee Journal Sentinel, Politico, NPR, the New Republic, Axios, CBS, NBC, Fox, Yahoo Finance, Kaiser Health News, MarketWatch, the Daily Mail, CT Mirror, Hartford Courant, Bloomberg, Crain’s, Business Insider, Forbes, Foreign Affairs, Becker’s Hospital Review, Modern Healthcare, the Hill, Vox, Tradeoffs, Freakonomics, Marketplace, C-Span, and ProPublica

### **Professional Service**

#### **Reviewer**

2008-present: *American Economic Journal: Applied Microeconomics*; *American Economic Journal: Economic Policy*; *American Economic Review*; *AER Insights*; *American Journal of Health Economics*; *British Medical Journal*; *Econometrica*; *Economic Letters*; *Health Affairs*; *Health Economics*; *Health Economics, Policy and Law*; *Health Policy*; *Journal of Health Economics*; *Journal of Health Management Review*; *Journal of Health*

*Services Research and Policy; Journal of Industrial Economics; Journal of Political Economy; Journal of Public Economics; Journal of the Royal Statistical Society; Journal of Social Policy; Journal of Urban Economics; Lancet; New England Journal of Medicine; Social Science and Medicine; Quarterly Journal of Economics.*

**Classes Taught:**

2014 – 2018: Microeconomics for Policy-Makers (with James Levinsohn)  
2012/13 – Present: Health Economics and US Health Care Policy

**Grants**

***Current Grants\****

Agency: National Institute for Health Care Management  
ID#: AWD0002426  
Title: Why Does the US Over-Invest in Technology? The Curious Case of MRI Scanners  
PI: Zack Cooper, PhD  
Total costs: \$88,607  
Project period: 09/01/2018 – 12/31/2023

Agency: The Laura and John Arnold Foundation  
ID#: AWD0007830 (22-07025)  
Title: High Impact Scholarship on Health Markets, Insurance Premiums, Bad Actors in the Health Sector, and State-Level Interventions  
PI: Zack Cooper, PhD  
Total costs: \$2,750,000  
Project period: 07/01/2022 – 12/31/2024

Agency: Washington Center for Equitable Growth  
ID#: AWD0010215  
Title: Tracking Hospital Mergers and Understanding Which Markets are Changing  
PI: Zack Cooper, PhD  
Total costs: \$55,000  
Project period: 09/01/2023 – 08/31/2024

***Past Grants***

Agency: Economic and Social Science Research Council  
Title: Patient Choice, Hospital Competition and Health Care Quality: Evidence from the English National Health Service  
PI: Zack Cooper, PhD  
Percent effort: N/A  
Total costs: \$270,000  
Project period: 01/28/2011 – 06/12/2012

Agency: Commonwealth Fund  
ID#: AWDR12651 (20150031)  
Title: Tracking Private and Medicare Costs by Clinical Condition  
PI: Zack Cooper, PhD  
Total costs: \$156,181  
Project period: 09/01/2014 – 10/31/2017

Agency: Commonwealth Fund

ID#: AWDR12829 (20150184)  
 Title: Understanding Pricing Dynamics in US Health Care  
 PI: Zack Cooper, PhD  
 Percent effort: 25%  
 Total costs: \$384,845  
 Project period: 12/01/2014 – 8/31/2017

Agency: National Institute for Health Care Management  
 ID#: NIHCM Study / R12779  
 Title: Do Higher Priced Providers Deliver Higher Quality Care? An Analysis of the Price/Quality Relationship Using HCCI Data  
 PI: Zack Cooper, PhD  
 Total costs: \$68,656  
 Project period: 01/12/2015 – 01/11/2016

Agency: The Arnold Foundation  
 ID#: AWDR13329 (282430.5094247.0021)  
 Title: Testing the Effect of Price Transparency on Patient Behavior  
 PI: Zack Cooper, PhD  
 Total costs: \$109,660  
 Project period: 10/01/2015 – 09/30/2017

Agency: National Institute for Health Care Management  
 ID#: AWDR13819  
 Title: Analyzing the Frequency, Causes, and State Responses to Surprise Out-of-Network Billing  
 PI: Zack Cooper, PhD  
 Total costs: \$49,570  
 Project period: 09/01/2016 – 08/31/2017

Agency: National Institute for Health Care Management  
 ID#: AWDR14088  
 Title: Identifying the Scope of Shopping for Health Services and the Limits of Price Transparency  
 PI: Zack Cooper, PhD  
 Total costs: \$18,000  
 Project period: 01/01/2017 – 12/31/2017

Agency: Jameel Poverty Action Laboratory  
 ID#: AWD0000238 (38809-001)  
 Title: Do Informed Patients Make Better Choices?  
 PI: Zack Cooper, PhD  
 Total costs: \$49,821  
 Project period: 01/2/2017 – 6/30/2018

Agency: Jean-Jaques Laffont Foundation  
 ID#: AWDR14113  
 Title: Understanding How Patients Get Matched with Locations for Secondary Care  
 PI: Zack Cooper, PhD  
 Percent effort:  
 Total costs: \$20,000  
 Project period: 03/1/2017 – 01/20/2018

Agency: The Commonwealth Fund  
 ID#: AWD0000604 (20171051)  
 Title: Understanding How Vertical Integration Influences Physician Behavior

PI: Zack Cooper, PhD  
Total costs: \$227,708  
Project period: 09/01/2017 – 09/30/2022

Agency: Dartmouth College (National Institute on Aging/NIH/DHHS)  
ID#: AWD0001688, AWD0004465, AWD0006081 (R1032)  
Title: Causes and Consequences of Healthcare Efficiency  
PI: Jonathan Skinner, PhD  
Role on project: Co-principal investigator  
Total costs: \$979,147  
Project period: 05/01/2018 – 07/31/2023

Agency: The Laura and John Arnold Foundation  
ID#: AWD0002092  
Title: Out-of-Network Billing in the United States  
PI: Zack Cooper, PhD  
Total costs: \$119,735  
Project period: 09/14/2018 – 08/31/2019

Agency: The Laura and John Arnold Foundation  
ID#: AWD0001977  
Title: The Pricing of Insulin in the United States  
PI: Zack Cooper, PhD  
Total costs: \$243,494  
Project period: 09/14/2018 – 08/31/2020

Agency: The Laura and John Arnold Foundation  
ID#: AWD0002359  
Title: The 1 Percent Project  
PI: Zack Cooper, PhD  
Total costs: \$706,889  
Project period: 11/30/2018 – 01/31/2021

Agency: The Laura and John Arnold Foundation  
ID#: AWD0004840  
Title: Key Competition Issues in Health Care Markets: Private Equity Ownership, Vertical Integration, and the Labor Market Effects of Hospital Consolidation  
PI: Zack Cooper, PhD  
Total costs: \$805,254  
Project period: 07/01/2020 – 06/30/2022

Agency: The Laura and John Arnold Foundation  
ID#: AWD0006817 (21-06077)  
Title: Key Trends in Hospital Concentration and the Incidence of Hospitals Suing Patients  
PI: Zack Cooper, PhD  
Total costs: \$206,528  
Project period: 08/01/2021 – 07/31/2022

Agency: The Laura and John Arnold Foundation  
ID#: AWD0007993 (22-06958)  
Title: Trends in PAD Spending and Reimbursements Among the Privately Insured  
PI: Zack Cooper, PhD  
Total costs: \$42,474  
Project period: 07/01/2022 – 03/06/2023

