

TIMOTHY J. LAYTON Ph.D.

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ACADEMIC POSITIONS

- 2024 – Associate Professor of Public Policy and Economics, Frank Batten School of Leadership and Public Policy, University of Virginia
- 2020 – 2024 30th Anniversary Associate Professor of Health Care Policy, Department of Health Care Policy, Harvard Medical School
- 2023 – 2024 Faculty Affiliate, Harvard Kennedy School of Government
- 2016 – 2020 Assistant Professor of Health Care Policy, Department of Health Care Policy, Harvard Medical School
- 2014 – 2016 National Institute of Mental Health Postdoctoral Research Fellow, Department of Health Care Policy, Harvard Medical School

EDUCATION

- Ph.D., Economics, Boston University, Boston MA, 2014
B.A., Economics and Political Science, Brigham Young University, Provo, UT, 2009

ACADEMIC AFFILIATIONS

- 2025 – Co-editor, Journal of Health Economics
- 2023 – Research Associate, National Bureau of Economic Research
- 2022 – Faculty Affiliate, Abdul Latif Jameel Poverty Action Lab (J-PAL), MIT
- 2017 – 2023 Faculty Research Fellow, National Bureau of Economic Research

RESEARCH

PUBLICATIONS IN ECONOMICS

“Reducing Administrative Barriers Increases Take-up of Subsidized Health Insurance Coverage: Evidence from a Field Experiment” (with Keith Ericson, Adrianna McIntyre, and Adam Sacarny). NBER Working Paper 30885. *Accepted at Review of Economics and Statistics*.

“Adverse Selection and Network Design Under Regulated Plan Prices: Evidence from Medicaid” (with Amanda Kreider, Mark Shepard, and Jacob Wallace). NBER Working Paper 30719. Forthcoming, *Journal of Health Economics*.

“The Behavioral Foundation of Default Effects: Theory and Evidence from Medicare Part D” (with Zarek Brot-Goldberg, Boris Vabson, and Adelina Wang). *American Economic Review*, 2023, vol. 113(10): 2718-58.

“Are All Managed Care Plans Created Equal? Evidence from Random Plan Assignment in New York Medicaid Managed Care” (with Mike Geruso and Jacob Wallace). *American Economic Journal: Applied Economics*, 2023; 15(3): 341-79.

“The Two Margin Problem in Insurance Markets” (with Mike Geruso, Grace McCormack, and Mark Shepard). *Review of Economics and Statistics*, 2023; 105(2): 237-257.

“Health Care Rationing in Public Insurance Programs: Evidence from Medicaid” (with Nicole Maestas, Daniel Prinz, and Boris Vabson). *American Economic Journal: Economic Policy*, 2022; 14(4): 397-431.

“Liquidity and Healthcare Consumption: Evidence from Social Security Payments” (with Tal Gross and Daniel Prinz). *American Economic Review: Insights*, 2022; 4(2): 175-90.

“Upcoding: Evidence from Medicare on Squishy Risk Adjustment” (with Mike Geruso), *Journal of Political Economy*, 2020; 128(3): 984-1026.

“Intervening on the Data to Improve the Performance of Health Plan Payment Models” (with Savannah Bergquist, Tom McGuire, and Sherri Rose), *Journal of Health Economics*. 2019; 66: 195-207.

“Screening in Contract Design: Evidence from the ACA Health Insurance Exchange” (with Mike Geruso and Daniel Prinz), *American Economic Journal: Economic Policy*. 2019; 11(2): 64-107.

“Deriving Risk Adjustment Payment Weights to Maximize Efficiency of Health Insurance Markets” (with Tom McGuire and Richard van Kleef), *Journal of Health Economics*. 2018; 61: 93-110.

“Assessing Incentives for Adverse Selection in Health Plan Payment Systems” (with Randy Ellis, Tom McGuire, and Richard van Kleef), *Journal of Health Economics*. 2017; 56: 237-255.

“Imperfect Risk Adjustment, Risk Preferences, and Sorting in Competitive Health Insurance Markets,” *Journal of Health Economics*. 2017; 56: 259-280.

“Selection in Insurance Markets and Its Policy Remedies” (with Mike Geruso), *Journal of Economic Perspectives*. 2017; 31(4): 23-50.

“Marketplace Plan Payment Options for Dealing with High-Cost Enrollees” (with Tom McGuire), *American Journal of Health Economics*. 2016; 3(2): 140-164.

“Risk Corridors and Reinsurance in Health Insurance Exchanges: Insurance for Insurers” (with Tom McGuire and Anna Sinaiko), *American Journal of Health Economics*. 2016; 2(1): 66-95.

WORKING PAPERS AND PAPERS UNDER REVIEW

“Rationing Medicine Through Bureaucracy: Authorization Restrictions in Medicare” (with Zarek Brot-Goldberg, Sam Burn, and Boris Vabson). NBER Working Paper 30878. *Revisions Requested at American Economic Review*.

“Adverse Selection and Redistribution in Social Insurance Programs” (with Mike Geruso and Adam Leive). *Reject and resubmit at American Economic Journal: Economic Policy*

“Identifying Coding Intensity in Medicare Advantage through Switchers” with Paul Jacobs. *Revisions requested at Health Services Research.*

“Consolidation in Medicaid Managed Care” with Bohan Li. *Revisions requested at Health Affairs.*

“Beyond Post-Acute Care: Characterizing Community-Admitted Medicare Home Health Users and Associated Spending” with Ilana Salant, Nicole Maestas, Mark Shepard, and David Grabowski. *Revisions requested at Health Affairs.*

“The Relationship between Medigap Consumer Protections and Medicare Advantage Plans Disenrollment Following Health Shocks” with Jingwei Sun, Michael Chernew, Michael McWilliams, and Boris Vabson. *Revisions requested at Health Affairs.*

“Adverse Selection and (un)Natural Monopoly in Insurance Markets” (with Ed Kong and Mark Shepard)

WORKS IN PROGRESS

“The Distributional Consequences of Cost-Sharing in Health Insurance: Evidence from the Medicare Part D Coverage Gap” (with Mark Shepard and Sam Burn)

“The Protective Effects of a Healthy Spouse” (with Tal Gross, Alex Hoagland, and Itzik Fadlon)

“The Fiscal Consequences of Private Provision of Medicaid: Evidence from Enrollment Mandates for Adults with Disabilities” (with Eran Politzer)

“The Virginia Work Requirements Experiment” (with Adam Leive and Adrianna McIntyre)

“Nursing Home Value-Added: Evidence from Nursing Home Closures” (with Amitabh Chandra and Connie Xu)

“The Geography of Disparities in Access to Healthcare” (with Graeme Peterson)

PUBLICATIONS IN HEALTH POLICY

“Small Marketplace Premiums Pose Financial and Administrative Burdens: Evidence from Massachusetts, 2016-17. *Health Affairs*, 2024, 43(1): 80-90.

“Conditional cross-design synthesis estimators for generalizability in Medicaid.” (with Irina Degtiar, Jacob Wallace, and Sherri Rose). *Biometrics*, vol. 79(4):3859-3872.

“The Effects of Plan Payment Rates on the Market for Medicare Advantage Dual-Eligible Special Needs Plans” (with Brian McGarry and David Grabowski). *Health Services Research*. 2019; 54(5): 1137-1145.

“Sample Selection for Medicare Risk Adjustment Due to Systematically Missing Data” (with Savannah Bergquist, Tom McGuire, and Sherri Rose). *Health Services Research*. 2018; 53(6): 4204-4223.

“Widespread over-diagnosis of childhood attention deficit hyperactivity disorder in the US due to classroom context?” (with Michael Barnett, Tanner Hicks, and Bapu Jena), *New England Journal of Medicine*. 2018; 379(22): 2122-2130.

“Family Risk Pooling in Individual Health Insurance Markets” (with Anna Sinaiko, Sherri Rose, and Tom McGuire). *Health Services and Outcomes Research Methodology*. 2017; 17(3-4): 219-236.

“Computational health economics for identification of unprofitable health care enrollees” (with Sherri Rose and Savannah Bergquist), *Biostatistics*. 2017; 18(4): 682-694.

“Using 'Nudges' to Enhance Competition and Save Consumers Money on Health Insurance Exchanges/Marketplaces: Evidence from a Field Experiment” (with Keith Ericson, Jon Kingsdale, and Adam Sacarny). *Health Affairs*. 2017; 2(36): 311-319.

“Risk-Adjustment Simulation: Plans May Have Incentives To Distort Mental Health And Substance Use Coverage” (with Ellen Montz, Alisa Busch, Randy Ellis, Sherri Rose, and Tom McGuire), *Health Affairs*. 2016; 6(35): 1022-8.

“The Effect of Medicare Advantage Quality-Based Payment on Quality Care in Medicare” (with Andy Ryan). *Health Services Research*. 2015; 50(6): 1810-1828.

“The Power of Reinsurance in Health Insurance Exchanges to Improve the Fit of the Payment System and Reduce Incentives for Adverse Selection” (with Jane Zhu, Anna Sinaiko, and Tom McGuire), *Inquiry*. 2013; 50(4): 255-274.

BOOK CHAPTERS

“Health Plan Payment in Medicaid Managed Care: A Hybrid Model of Regulated Competition” (with Alice Ndikumana and Mark Shepard). *Risk Adjustment, Risk Sharing, and Premium Regulation in Health Insurance Markets: Theory and Practice*. Ed. Thomas G. McGuire and Richard van Kleef. Elsevier Press.

“Health Plan Payment in U.S. Marketplaces: Regulated Competition with a Weak Mandate” (with Ellen Montz and Mark Shepard). *Risk Adjustment, Risk Sharing, and Premium Regulation in Health Insurance Markets: Theory and Practice*. Ed. Thomas G. McGuire and Richard van Kleef. Elsevier Press.

Risk Adjustment and Risk Selection (with Randy Ellis). *Encyclopedia of Health Economics* 2014. Elsevier Press.

OTHER WRITING

“The Link Between August Birthdays and ADHD” (with Bapu Jena and Michael Barnett). *New York Times*, Nov. 28, 2018.

“Will Personalized Medicine Mean Higher Costs for Consumers?” (with Bapu Jena and Mike Geruso). *Harvard Business Review*, March 2018.

EXTRAMURAL FUNDING

Project Leader, NIA P01 (“Healthcare Decision-Making and Outcomes for People Living with Alzheimer’s Disease”), 2025-2013, \$10 million

Co-Investigator, NIA R01 (“Access to Healthcare as a Driver of Place-Based Inequality in Mid-Life Mortality: Evidence from Movers in Medicare”), 2023-2026, \$1.5 million

Principal Investigator, J-PAL (“RENEW Trial”), 2023-2024, \$200,000

Principal Investigator, Arnold Ventures (“Plan Payment Policies for Complex Populations in Medicare Advantage”), 2022-2024, \$579,000

Principal Investigator, J-PAL (“The Virginia Work Requirements Experiment”), 2019-2021, \$394,000

Project Leader, NIA P01 (“Improving Medicare in an Era of Change”), PIs: Bruce Landon and Michael McWilliams, 2020-2025, \$7.5 million

Principal Investigator, NIMHD R01 (“The Virginia Work Requirements Experiment”), 2020-2024, \$1.6 million

Principal Investigator, NIH Pilot Grant (“Liquidity and Healthcare Consumption”) under NBER Aging P01 (“Economics, Wealth, and Well-Being”), with Tal Gross and Daniel Prinz, \$60,000

Principal Investigator, J-PAL (“The Effect of Behavioral Interventions on Enrollment and Adverse Selection in Health Insurance Marketplaces”), 2017-2020, \$206,010

Principal Investigator, AHRQ K01 Mentored Research Scientist Research Career Award (“Quality and Outcomes under Medicaid Managed Care: Evidence from Random Plan Assignment”), 2017-2022, \$742,500

Project Leader, Laura and John Arnold Foundation (Project 1: Medicaid), via Health Care Markets and Regulation Lab, PI: Mike Chernew, 2017-2020, \$3.2 million

Co-I, NIA P01 (“Medicare in a Restructured Delivery System”), PI: Joe Newhouse, 2015-2020, \$963,392/year

Co-I, NIH DP2 (“Machine Learning for Health Outcomes and Quality of Care in Low-Income Populations”), PI: Sherri Rose, 2017-2022, \$300,000/year

Co-I, NIDA R01 (“The Effect of Medicaid Plans on Access to and Quality of SUD Treatment”), PI: Maggie Alegria (MGH), 2017-2020, \$134,103

Co-Principal Investigator (with Nicole Maestas), SSA (“The Effects of Medicaid Policy on the Healthcare Utilization and Health of SSI Beneficiaries”) via NBER RDRC, 2017-2018, \$69,593

HONORS AND AWARDS

2024	Outstanding Statistical Application Award, American Statistical Association
2024	Manning Award for the Best Research in Health Econometrics, ASHEcon
2022, 2023	<i>AER: Insights</i> Excellence in Refereeing Award
2017	Health Economics Interest Group Best Abstract, AcademyHealth
2014, 2017	Mark A. Satterthwaite Award for Outstanding Research in Healthcare Markets, Kellogg School of Management, Northwestern University

TEACHING

- 2021 Economics of Health Care: Public vs. Market Resolutions (HPM-545), Harvard School of Public Health
2021, 2023-24 Health Policy Reading and Research (HLTHPOL 3000)
2021, 2023-24 Empirical Methods II (API-202), MPP Core, Harvard Kennedy School
2018-2020 Econometric Methods for Applied Research II (Economics 2115/HKS API-115), Harvard Kennedy School
2017-2020 Essentials of the Profession, Health Policy Section, Harvard Medical School
2012 Introduction to Econometrics, Department of Economics, Boston University
2011 Economic Statistics, Department of Economics, Boston University

SERVICE

- 2024 Co-organizer, Economics of Health Program Meeting, NBER Summer Institute
2023 – JPAL Invited Researcher Selection Committee
2021 Search Committee, Junior Faculty in Economics, Department of Health Care Policy
2021 Co-organizer, Health Care Program Meeting, NBER Summer Institute
2021 Co-organizer, NBER Machine Learning and Health Care Meeting
2019 Ad hoc Reviewer, National Institute on Aging – Social and Behavioral Grant Application Review Committee
2019 – Admissions Committee, Health Policy PhD Program, Harvard Graduate School of Arts and Sciences
2019 – Executive Committee, Health Policy PhD Program, Harvard Graduate School of Arts and Sciences
2019 – Co-Chair Economics Track, Health Policy PhD Program, Harvard Graduate School of Arts and Sciences
2019 – Research Computing Faculty Advisory Committee, HMS
2017 – Essentials of the Profession (Health Policy) Curriculum Development Board, HMS
2017 – Junior Faculty Search Committee, Department of Health Care Policy, HMS

MENTORSHIP

Harvard Health Policy PhD Students Dissertation Committees – Ellen Montz (Chief Economist – Virginia Medicaid), Adrienne Sabety (Notre Dame Economics), Monica Farid (Mathematica), Daniel Prinz (Institute for Fiscal Studies), Amanda Kreider (Pitt School of Public Health), Alice Ndikumana (Bates White), Savannah Bergquist (McKinsey), Eran Politzer (Tel Aviv University), Caroline Geiger Kelley (Genentech), Adrianna McIntyre (Harvard HSPH), Yunan Ji (Georgetown Business School), Sam Burn (Imperial College Business School), Anna Zink (Postdoc – University of Chicago), Kacie Dragan (Postdoc – Dartmouth), Sarah Kotb, Marai Hayes, Ilana Salant, Graeme Peterson

Harvard Kennedy School Public Policy PhD Students Dissertation Committees – Grace McCormack (Postdoc – USC)

Harvard Economics PhD Students Dissertation Committees – Ed Kong

Harvard Postdocs – Boris Vabson, Joran Lokerboll

NBER Aging Postdocs – Adelina Wang (McKinsey)

Predocs – Kramer Quist (MIT Econ, won NSF), Julia Yates (Michigan Econ, won NSF), Tram Nham (RTI), Phil Valtadoros (UT-Austin Econ), Amanda Stiebris (HKS MPP), Caleb Foote (U of Maryland Econ), Manasi Patil, Prabidhik K

PRESENTATIONS

2025: NBER Aging Spring Meeting (scheduled), University of California Santa Barbara (scheduled), St. Gallens University (scheduled)

2024: Johns Hopkins University – Economics, University of Virginia Batten School, UConn School of Law, Georgetown University, University of Missouri – Economics

2023: MIT – Economics, NBER Insurance Working Group, NBER Summer Institute: Economics of Health, University of Wisconsin – Economics, Brigham Young University – Economics, Johns Hopkins University – Economics, University of Virginia Batten School

2022: University of Pennsylvania Wharton, University of Illinois at Chicago – Economics, Stanford University - Economics, Erasmus University – Economics, Duke University – Triangle Health Economics Seminar, Columbia University – Mailman School of Public Health, University of California San Diego – Economics

2021: American Economic Association Annual Meeting (online), NBER Spring Aging Meeting, Yale Public/Labor Economics Workshop, University of Chicago Health Economics Workshop, ASHEcon, IHEA, Northwestern Kellogg, UVA Batten, Johns Hopkins Carey

2020: American Economic Association Annual Meeting (San Diego, CA), Junior Health Economics Summit, NBER Spring Aging Meeting (canceled), BFI Health Economics Conference (canceled), Online PF Seminar, RAND Behavioral Finance Forum

2019: NBER Insurance Working Group (Stanford), Brookings Institution, NBER/CEPRA Workshop on Aging and Health (Lugano, Switzerland), Georgetown University, American Society of Health Economists Conference (Washington, DC), SSA Retirement and Disability Research Center Annual Meeting, Annual Health Economics Conference (UCSF), APPAM (Denver, CO)

2018: American Economic Association Annual Meeting (Philadelphia, PA), University of Pennsylvania (Wharton/LDI), NBER Spring Aging Meeting, American Society of Health Economists Conference (Emory, Atlanta, GA), JP Morgan Chase Institute Conference on Economic Research (Washington DC), University of Minnesota (School of Public Health), University of Southern California (Schaeffer Center), Annual Health Economics Conference (Texas A&M, College Station, TX), RAND Corporation, APPAM Annual Conference (Washington, DC), NBER Health Care Meeting

2017: American Economic Association Annual Meeting (Chicago, IL), Risk Adjustment Network Annual Meeting (The Hague, The Netherlands), European Econometric Society Meeting (Lisbon, Portugal), University of Arizona, NBER Insurance Working Group, UT Austin, Hunter College, AcademyHealth,

2016: University of Virginia (Batten), Yale University (School of Public Health), RAND Corporation, NBER Health Care Meeting (Cambridge, MA), American Society of Health Economists Conference (Penn, Philadelphia, PA), Risk Adjustment Network Annual Meeting (Berlin, Germany)

2015: American Economic Association Annual Meeting (Boston, MA), National Tax Association Annual Meeting (Boston, MA), Congressional Budget Office, Office of Tax Analysis Department of the

Treasury, Office of the Assistant Secretary for Planning and Evaluation Department of Health and Human Services

2014: Risk Adjustment Network Annual Meeting (Delft, The Netherlands), Healthcare Markets Conference (Northwestern/Kellogg, Evanston, IL), American Society of Health Economists Conference (USC, Los Angeles, CA), Annual Health Economics Conference (Rice, Houston, TX)

2013: Risk Adjustment Network Annual Meeting (Tel Aviv, Israel), Southeastern Health Economics Study Group (Johns Hopkins, Baltimore, MD)

REFEREEING

Editorial Board – *American Journal of Health Economics*

Economics Journals – *AEJ: Economic Policy, AEJ: Applied Economics, American Economic Review, American Economic Review: Insights, American Journal of Health Economics, Econometrica, European Journal of Health Economics, Journal of the European Economics Association, Journal of Health Economics, Journal of Human Resources, Journal of Political Economy, JPE: Micro, Journal of Public Economics, Quarterly Journal of Economics, Review of Economics and Statistics*

Health Policy Journals – *American Journal of Managed Care, Annals of Internal Medicine, Health Affairs, Health Policy, Health Services Research, Inquiry, Journal of Health Economics, Policy, and Law, Journal of Health Politics, Policy, and Law, Journal of General Internal Medicine, Journal of the American Medical Association, JAMA: Health Forum, JAMA: Internal Medicine, JAMA: Psych, Lancet, Medical Care Research and Review, Medical Care. PLOS One*

LANGUAGES: Fluent in English and Spanish

CITIZENSHIP/VISA: USA