Joseph J. Doyle, Jr.

MIT Sloan School of Management
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Experience

- Erwin H. Schell Professor of Management, Applied Economics, MIT Sloan School of Management, Cambridge, MA, July 2013-present
- Visiting Scholar, Taubman Center for State & Local Government, Harvard Kennedy School of Government, Cambridge, MA, July 2024-June 205
- Visiting Professor and Braudel Fellow, European University Institute, Fiesole, Italy, September 2017-June 2018
- Alfred Henry and Jean Morrison Hayes Career Development Associate Professor, Applied Economics, MIT Sloan School of Management, Cambridge, MA, July 2010-July 2013
- Visiting Professor, Paris School of Economics and L'École des Hautes Etudes en Sciences Sociales, Paris, France, Fall 2010
- Alfred Henry and Jean Morrison Hayes Career Development Associate Professor (without tenure), Applied Economics, MIT Sloan School of Management, Cambridge, MA, 2009-2010
- Associate Professor (without tenure), Applied Economics, MIT Sloan School of Management, Cambridge, MA, 2008-2009
- Jon D. Gruber Career Development Assistant Professor, Applied Economics, MIT Sloan School of Management, Cambridge, MA, 2005-2008
- Assistant Professor, Applied Economics, MIT Sloan School of Management, Cambridge, MA, 2002-2005
- Assistant Economist, Federal Reserve Bank of New York, New York, NY, 1996-1998.

Research Fields

- Public Economics, Health Economics, Labor Economics

Education

- University of Chicago, Department of Economics, Ph.D. 1998-2002.

  Fields: Econometrics, Public Sector

- New York University, Courant Institute of Mathematical Sciences, non-degree program. September 1997-May 1998.

- Cornell University, Policy Analysis, B.S. (with honors). 1992-1996

Publications

Journal Articles

Algorithm aversion or appreciation? Four randomized field trials of personalized risk-communication nudges to encourage flu vaccination (with Gail M. Rosenbaum, Amir Goren, Maheen Shermohammed, Donna M. Wolk, Ann Marie Tice, Michelle N. Meyer, and Christopher F. Chabris). *PsyArXiv* 2023 10.31234/osf.io/vtxza. *Nature Human Behavior*. forthcoming.

Cumulative Risks of Foster Care Placement for U.S. Children: Evidence from Birth Cohort and Synthetic Cohort Approaches (with Raimundo Eyzaguirre Ducci and Natalia Emanuel). *Child Abuse & Neglect*. forthcoming.

Unwarranted Racial Disparity in U.S. Foster Care Placement (with Jason Baron, Natalia Emanuel, and Peter Hull). Journal of Policy Analysis and Management. 45(2). 2026.

Effects of Enhanced Legal Aid in Child Welfare: Evidence from an Experimental Design of Mi Abogado (with Ryan Cooper and Andres Hojman). *American Economic Review*. 115(7). July 2025: 2306-42. Earlier version: *NBER Working Paper*. No. 30974

Physician Group Influences on Treatment Intensity and Health: Evidence from Physician Switchers (with Becky Staiger). *American Economic Journal: Economic Policy*. 17(2). May 2025: : 471–505.

Discrimination in Multi-Phase Systems: Evidence from Child Protection (with E. Jason Baron, Natalia Emanuel, Peter Hull, and Joseph Ryan). *Quarterly Journal of Economics.* Volume 139, Issue 3, August 2024: 1611–1664.

The Effect of Food as Medicine on Health and Healthcare Utilization: A Randomized Controlled Trial (with Marcella Alsan, Yutong Lu, Nicholas Skelley, and John Cawley). *JAMA*

Internal Medicine. December, 26 2023.

Health Care Hotspotting and Ambulatory Care: A Randomized Trial of the Camden Coalition Core Model (with Amy Finkelstein, Joel Cantor, Jesse Gubb, Margaret Koller, Aaron Truchil, and Annetta Zhou). *Health Affairs.* December 20, 2023.

The Role of State Policy in Fostering Health Information Exchange in the United States (with Ari Bronsoler, Cason Schmit, and John Van Reenen). *NEJM: Catalyst* January 2023.

The Impact of Healthcare IT on Clinical Quality, Productivity and Workers (with Ari Bronsoler and John Van Reenen). *Annual Review of Economics* 14. August 2022.

Economics of Foster Care (with Anthony Bald, Max Gross, and Brian Jacob *Journal of Economic Perspectives* 36(2). Spring 2022.

Health Care Hotspotting – A Randomized, Controlled Trial (with Amy Finkelstein, Annetta Zhou, and Sarah Taubman). *New England Journal of Medicine* 381. 2020: 152-162.

- Finalist for the 2021 National Institute for Health Care Management Health Care Research Award

Causal Effects of Foster Care: An Instrumental-Variables Approach. Children and Youth Services Review. 2013. 35(7): 1143-1151.

Birth Order and Delinquency: Evidence from Denmark and Florida (with Sanni Breining, David Figlio, Krzysztof Karbownik, and Jeffrey Roth). *The Journal of Labor Economics* 38(1). 2020: 95-142.

Evaluating Measures of Hospital Quality (with John Graves and Jonathan Gruber). *Review of Economics and Statistics* 101(5). 2019: 841-852.

Clinical decision support for high-cost imaging: A randomized clinical trial (with Sarah Abraham, Laura Feeney, Sarah Reimer, and Amy Finkelsten). *Plos One.* 14(3). 2019.

Economics of Child Protection: Maltreatment, Foster Care & Intimate-Partner Violence. (with Anna Aizer). *Annual Review of Economics*. 2018.

Uncovering waste in US healthcare: Evidence from ambulance referral patterns. (with John Graves and Jonathan Gruber). *Journal of Health Economics* 54, July 2017: 25-39.

Juvenile Incarceration and Adult Outcomes: Evidence from Randomly-Assigned Judges (with Anna Aizer). *Quarterly Journal of Economics* 130(2). 2015: 759-803.

- Winner of the 2014 National Council on Crime and Delinquency Baird Award for Outstanding Applied Research

Measuring Returns to Hospital Care: Evidence from Ambulance Referral Patterns. (with John Graves, Jonathan Gruber, and Samuel Kleiner) *Journal of Political Economy.* 123(1) February 2015: 170-214.

- Finalist for the 2016 National Institute for Health Care Management Health Care Research Award

Causal Effects of Foster Care: An Instrumental-Variables Approach. *Children and Youth Services Review.* 2013. 35(7): 1143-1151

After Midnight: A Regression Discontinuity Design in Length of Postpartum Hospital Stays. (with Douglas Almond) *American Economic Journal: Economic Policy* 3(3). August 2011: 1-34.

- Finalist for the 2012 National Institute for Health Care Management Health Care Research Award

Returns to Local-Area Healthcare Spending: Using Health Shocks to Patients far from Home. *American Economic Journal: Applied Economics.* 3(3). July 2011: 221-243.

Returns to Physician Human Capital: Analyzing Patients Randomized to Physician Teams. (with Todd Wagner & Steven Ewer) *Journal of Health Economics* 29(6). December 2010: 866-882.

- Winner of the 2011 KPMG Convention on Health Analysis and Management Prize for the "Best Publication of the Year in Health Economics"

Evaluating the Effectiveness of Child Safety Seats and Seat Belts for Injury Prevention among 2-6 year olds in Motor Vehicle Crashes. (with Steven Levitt) *Economic Inquiry.* 48(3). July 2010: 521-536.

Estimating Marginal Returns to Medical Care: Evidence from Low-Birthweight Infants (with Douglas Almond, Amanda Kowalski, and Heidi Williams). *Quarterly Journal of Economics.* 125(2). May 2010: 591-634.

- Winner of the 2011 Garfield Economic Impact Award
- Winner of the 2010 HCUP Outstanding Article of the Year Award

Edgeworth Cycles Revisited(with Erich Muehlegger & Krislert Samphantharak). *Energy Economics*. 32(3). May 2010: 651-660.

Child Protection and Adult Crime: Using Investigator Assignment to Estimate Causal Effects of Foster Care. *Journal of Political Economy*. 116(4). August 2008: 746-770.

$2.00 Gas! Studying the Effects of Gas Tax Moratorium Across State Borders (with Krislert Samphantharak). *Journal of Public Economics*. April 2008.

Child Protection and Child Outcomes: Measuring the Effects of Foster Care. *American Economic Review*. 97(5). December 2007: 1583-1610.

The Market for Foster Care: An Empirical Study of the Impact of Foster Care Subsidies (with H. Elizabeth Peters). *Review of Economics of the Household*. 5(4). December 2007: 329-351.

Can't Buy Me Love? Estimating the Effects of a Change in the Cost of Caring for Related Children. *Journal of Public Economics*. 91. February 2007: 281-304.

Health Insurance, Treatment, and Outcomes: Using Auto Accidents as Health Shocks. *Review of Economics and Statistics*. 87(2). May 2005: 256-270.

Other Publications

Mean Reversion in Randomized Controlled Trials: Implications for Program Targeting and Heterogeneous Treatment Effects (with Marcella Alsan, John Cawley, and Nicholas Skelley). *American Economic Review: Papers and Proceedings.* 115. May 2025: 221-25..

Unwarranted Disparity in High-Stakes Decisions: Race Measurement and Policy Responses (with Jason Baron, Natalia Emanuel, Peter Hull, and Joseph Ryan). In *CRIW Race, Ethnicity and Economic Statistics for the 21st Century*. forthcoming.

Economics of Child Wellbeing (with Anna Aizer). In Ben-Arieh, Asher, Casas, Ferran, Frones, Ivar. and Korbin, Jill E. (Eds.) 2013. *Handbook of Child Well-Being. Theories, Methods and Policies in Global Perspective* . Dorcrecht: Springer.

The Role of Hospital Heterogeneity in Measuring Marginal Returns to Medical Care: A Reply to Barreca, Guldi, Lindo, and Waddell. (with Douglas Almond Amanda Kowalski,

and Heidi Williams) *Quarterly Journal of Economics*. 126(4). 2011: 2125-2131.

Does Lifeline Banking Assist the Unbanked?" (with Jose Lopez and Marc Saidenberg). Current Issues in Economics and Finance. FRBNY: June 1998.

London's Size and Diversity: The Advantage in a Competitive World. (Joint with Peter Bancroft, Stephen Glaister, David Kennedy, and Tony Travers). London: Corporation of London. January 1996.

Working Papers

A Taxonomy of Food is Medicine Trials: Toward Collective Evidence Synthesis by the Food is Medicine Trialists' Consortium (with Sang Gune K. Yoo, Mark D. Huffman, and 45 others, on behalf of the IMPACT-FIM Consortium). September 2026.

Institutional Variation in Child Maltreatment Reporting (with E. Jason Baron, Micah Y. Baum, Maria D. Fitzpatrick, Brian Jacob, and Joseph F. Ryan). NBER Working Paper No. 35619. August 2026.

Effects of lottery incentives for influenza vaccination: Evidence from a large-scale randomized trial and causal forest analysis (with Kelsey Moran, Gail Rosenbaum, Amir Goren, Michelle N. Meyer, and Christopher F. Chabris). NBER Working Paper 35537. July 2026.

Randomized to Opportunity: Measuring Place Effects for Refugees (with N. Meltem Daysal, Naeim S. Samandari, Emil A.L. Simonsen, and Mircea Trandafir). July 2026.

Sharing is Caring: The Role of Health Information Exchange on Patient Care (with Ari Bronsoler, Kelsey Moran, and John Van Reenen). January 2026.

Do Higher-Priced Hospitals Deliver Higher-Quality Care? (with Zack Cooper, John Graves and Jonathan Gruber). *NBER Working Paper*. No. 29809. December 2022

Informing patients that they are at high risk for serious complications of viral infection increases vaccination rates. (with Maheen Shermohammed, Amir Goren, Alon Lanyado, Rachel Yesharim, Donna M. Wolk, Michelle N. Meyer, and Christopher F. Chabris). *medRxiv* 2021.02.20.21252015.

Physician Characteristics and Patient Survival: Evidence from Physician Availability. *NBER Working Paper* 27458. July 2020.

Popular Press

Work featured in: *USA Today* (front page)*, New York Times, New York Times Magazine, New Yorker, Wall Street Journal, Washington Post, Washington Times, LA Times, Boston Globe, Hartford Courant, etc.*

A Way to Help on Health Insurance. *Washington Post* Op-Ed. October 29, 2004

Risky Business: Cutting Health Costs. *Boston Globe* Op-Ed. October 11, 2009

A Way Forward Toward Affordable, Quality Healthcare. *The Hill* December 9, 2016

Does Food as Medicine Help Patients with Diabetes? Here's What a New Clinical Trial Says (with Marcella Alsan and John Cawley). *STAT*. December 26, 2023.

Funding

- 2019-present MIT Sloan Health Systems Grant. Returns to Health IT. Co-PI
- 2019-present NIH P30 Grant: NBER Roybal Center for Behavior Change in Health, Co-PI
- 2018-present NIH P01 Grant: Improving Health Outcomes for an Aging Population, Data Core Leader
- 2019-2021 J-PAL HCDI Grant. Fresh Food Farmacy: A Randomized Controlled Trial, Co-PI
- 2019-2021 MIT Sloan Health Systems Grant. Fresh Food Farmacy: A Randomized Controlled Trial, Co-PI
- 2019-2021 Robert Wood Johnson Evidence for Action Grant. Fresh Food Farmacy: A Randomized Controlled Trial, Co-PI
- 2016-2019 NIH R01 Grant: Estimating Returns to Medical Care Spending (renewal), PI
- 2015-2020 NIH R01 A Randomized Controlled Trial of Health Care Hotspotting, Co-PI
- 2015-2020 Arnold Foundation Grant. Development Proposal Physician-Level Randomized Evaluations of Outpatient Radiology Decision Support
- 2015-2020 Arnold Foundation Grant. A Low-Cost Randomized Controlled Trial of a Child Abuse and Placement Prevention Program: Safe Families for Children, Collaborator

- 2017-2018 NIH P03 Grant: Pain Management for Opioid Tolerant Patients: A Randomized Controlled Trial Pilot
- 2016-2017 J-PAL HCDI Pilot Grant. Pain Management Options for Opioid Tolerant Patients: A Randomized Controlled Trial
- 2015-2017 MIT Sloan Health Systems Grant. A Randomized Controlled Trial of Health Care Hotspotting, Co-PI
- 2014-2017 J-PAL HCDI Grant. Health Care Hotspotting: A Randomized Controlled Trial
- 2015 J-PAL HCDI Pilot Grant. Nutritional Supports for At-Risk Patients: A Pilot Survey in support of a Randomized Controlled Trial, Co-Investigator
- 2012-2015 NIH R01 Grant: Estimating Returns to Medical Care Spending, PI
- 2013 J-PAL pilot award for "Health Care Hotspotting: A Randomized Controlled Trial"
- 2012-2013 NIH R03 Grant. Returns to medical spending: Evidence from variation across physicians, Co-PI
- 2005-2012 National Science Foundation Grant. SES-0518757: Foster Care and Child Outcomes
- 2008 NBER/NIA Fellowship in Aging and Health Economics
- 2001-2002 Social Science Research Council Program on Philanthropy and the Nonprofit Sector
- 2001-2002 Scholl Fellowship for Child Welfare Research
- 2000-2002 Joint Center for Poverty Research Graduate Fellowship
- 2000-2001 Social Science Research Council Program in Applied Economics
- 1999-2002 University of Chicago Fellowship
- 1998-2002 Humane Studies Fellowship

Awards

- 2021 MIT Teaching with Digital Technology Award
- 2023, 2022, 2021 Excellence in Refereeing Award, *AER: Insights*
- 2018, 2017 and 2013 Excellence in Refereeing Award, *American Economic Review*

- 2014 National Council on Crime and Delinquency Baird Award for Outstanding Applied Research
- 2013 J-PAL pilot award for "Health Care Hotspotting: A Randomized Controlled Trial"
- 2011 Garfield Economic Impact Award
- 2011 KPMG Convention on Health Analysis and Management Prize for the Best Publication of the Year in Health Economics
- 2010 Healthcare Cost and Utilization Project (HCUP) Outstanding Article of the Year Award

Professional Activities & Affiliations

Co-Director, MIT Sloan Initiative for Health Systems Innovation, 2014-present

Co-Director, NBER Roybal Center for Behavior Change in Health, 2019-present

Faculty Affiliate, Abdul Latif Jameel Poverty Action Lab (J-PAL), 2015-present (Co-Chair, Health Sector, 2015-2026)

Research Associate, National Bureau of Economic Research, 2004-present

NBER Institutional Review Board Member, 2015-present

NBER CMS Data Technical Advisory Committee, 2017-present

National Data Archive on Child Abuse and Neglect Advisory Board, 2026-present

Economic Consulting, Berkeley Research Group, 2023-present

Economic Consulting, Analysis Group, 2022-present

Economic Consulting, Global Economics Group, 2017-present

Editorial Board Member, American Economic Journal: Economic Policy, 2019-present

Member, American Economics Association, 2002-present

Member, American Society of Health Economists, 2015-present

Cornell Health Policy Insight Panel, 2025-present

IMPACT-Food Is Medicine Scientific Advisory Committee, 2025-present

American Heart Association Health Care by Food Research Planning Group, 2026-present

Scientific Advisor, The Ragnar Frisch Centre for Economic Research, University of Oslo, 2022-2025

Co-Editor, *Journal of Human Resources*, 2012-2020

Co-Editor, *Journal of Public Economics*, 2012-2016

Member, PEPReC Technical Advisory Council Meeting, Veterans Administration, 2016-2019

Research Fellow, The Danish National Centre for Social research (SFI), 2013-2018

Faculty Associate, Chapin Hall Center for Children, University of Chicago. 2002-2010

Member, American Economics Association, American Society of Health Economists

Referee for: *American Economic Review, Journal of Political Economy, Quarterly Journal of Economics, Review of Economics Studies, Econometrica, Children and Youth Services Review, Economic Journal, Review of Economics and Statistics, Journal of Economic Literature, Journal of Public Economics, Journal of Health Economics, Journal of Labor Economics, American Economic Journal: Economic Policy, American Economic Journal: Applied Economics, Journal of Human Resources, Journal of Law and Economics, Review of Economics of the Household, Journal of Legal Studies, Economic Inquiry, Economics Letters, Energy Economics, Labour Economics, Journal of Policy Analysis and Management, Health Affairs, The Berkeley Electronic Journals in Economic Analysis & Policy, Southern Economic Journal, Social Forces, Economics and Human Biology, Justice Quarterly, Canadian Journal of Economics, Journal of Empirical Legal Studies, JAMA Internal Medicine, Nature Medicine, American Sociological Review*

Grant Proposal Reviews for: *National Science Foundation, National Institutes of Health, Radcliffe Institute Fellowship Program, MIT J-PAL, MIT J-WAFS*

Conference Committee Member: *American Society of Health Economists; Econometric Society World Congress*