

# Joseph J. Doyle, Jr.

MIT Sloan School of Management  
77 Massachusetts Avenue, E62-515  
Cambridge, MA 02139  
jjdoyle@mit.edu  
<http://www.mit.edu/~jjdoyle/research.html>

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## Experience

- Erwin H. Schell Professor of Management, Applied Economics, MIT Sloan School of Management, Cambridge, MA, July 2013-present
- 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, B.S. (with honors). 1992-1996

## Publications

### Journal Articles

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

"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 Finkelstein). *Plos One*. 14(3). 2019.

"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

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

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*. Dordrecht: 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

“Measuring Physician Quality: Evidence from Physician Availability.” October 2018.

## 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

## Awards and Fellowships

- 2019-present NIH P30 Grant: NBER Roybal Center for Behavior Change in Health
- 2018-present NIH P01 Grant: Improving Health Outcomes for an Aging Population, Data Core Leader
- 2016-2019 NIH R01 Grant: Estimating Returns to Medical Care Spending (renewal), Principal Investigator
- 2015-2020 NIH R01 A Randomized Controlled Trial of Health Care Hotspotting
- 2015-2020 Arnold Foundation Grant for "Development Proposal Physician-Level Randomized Evaluations of Outpatient Radiology Decision Support", Co-PI
- 2015-2020 Arnold Foundation Grant for "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
- 2018, 2017 and 2013 Excellence in Refereeing Award, *American Economic Review*
- 2016-2017 J-PAL HCDI Pilot Grant. "Pain Management Options for Opioid Tolerant Patients: A Randomized Controlled Trial"

- 2014-2017 J-PAL award for “Health Care Hotspotting: A Randomized Controlled Trial”
- 2015 J-PAL award for "Nutritional Supports for At-Risk Patients: A Pilot Survey in support of a Randomized Controlled Trial", Co-PI
- 2012-2015 NIH R01 Grant: Estimating Returns to Medical Care Spending, Principal Investigator
- 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”
- 2012-2013 NIH R03 award for “Returns to medical spending: Evidence from variation across physicians”, Co-PI
- 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
- 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 Non-profit 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

## Professional Activities & Affiliations

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

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

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

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

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

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

Economic Consulting, Global Economics Group, 2017-present

NBER Institutional Review Board Member, 2015-present

NBER CMS Data Technical Advisory Committee, 2017-present

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*, *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*,

Grant Proposal Reviews for: *National Science Foundation, National Institutes of Health, Radcliffe Institute Fellowship Program*

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