

SETH RICHARDS-SHUBIK

Department of Economics
Johns Hopkins University
Wyman Park Building, Room 531
3400 N Charles Street
Baltimore, MD 21218

sethrs@jhu.edu

Academic Positions

Department of Economics, Krieger School of Arts & Sciences, Johns Hopkins University

Winter Family Associate Professor of Economics, 2024 – pres.

Hopkins Business of Health Initiative, Core Faculty, 2024 – pres.

Department of Economics, College of Business, Lehigh University

Associate Professor of Economics (with tenure), 2019 – 2023

Assistant Professor of Economics, 2015 – 2019

Faculty of Economics, University of Cambridge

Visiting Scholar, 2022-23

Center for Health and Wellbeing, Princeton University

Visiting Research Scholar, Spring 2021

School of Public Policy and Management, H. John Heinz III College, Carnegie Mellon University

Assistant Professor of Economics and Public Policy, 2010 – 2015

Other Professional Appointments

National Bureau of Economic Research, Research Associate, 2019 – pres.

Faculty Research Fellow, 2012 – 2019

Leonard Davis Institute of Health Economics, Adjunct Senior Fellow, 2018 – 2020

Education

PhD, University of Pennsylvania, 2010

MPA, Maxwell School of Syracuse University, 2004

BA, History and Science, Harvard University, 1997

Research Fields

Primary: Health Economics, Applied Econometrics

Secondary: Industrial Organization, Labor Economics, Public Economics

Research interests: medical service markets, network models, health inequality

Publications – Economics Journals, Book Chapters

Gaynor, Martin, Nirav Mehta, and Seth Richards-Shubik. 2023. “Optimal Contracting with Altruistic Agents: Medicare Payments for Dialysis Drugs.” *American Economic Review*, 113(6): 1530-71.

Anderson, Katharine A., and Seth Richards-Shubik. 2022. “Collaborative Production in Science: An Empirical Analysis of Coauthorships in Economics.” *The Review of Economics and Statistics*, 104(6): 1241-55.

Richards-Shubik, Seth, Mark S. Roberts, and Julie M. Donohue. 2022. “Measuring Quality Effects in Equilibrium.” *Journal of Health Economics*, 83: #106216.

Richards-Shubik, Seth. 2020. “Application and Computation of a Flexible Class of Network Formation Models.” In *The Econometrics of Networks (Advances in Econometrics*, vol. 42), edited by Áureo de Paula, Elie Tamer, and Marcel-Cristian Voia, 111-142.

- de Paula, Áureo, Seth Richards-Shubik, and Elie Tamer. 2018. "Identifying Preferences in Networks with Bounded Degree." *Econometrica*, 86(1): 263-288.
- Chung, Andrea P., Martin Gaynor, and Seth Richards-Shubik. 2017. "Subsidies and Structure: The Lasting Impact of the Hill-Burton Program on the Hospital Industry." *The Review of Economics and Statistics*, 99(5): 926-943.
- Goldring, Thomas, Fabian Lange, and Seth Richards-Shubik. 2016. "Testing for Changes in the SES-Mortality Gradient When the Distribution of Education Changes Too." *Journal of Health Economics*, 46 (March): 120-130.
- Richards-Shubik, Seth. 2015. "Peer Effects in Sexual Initiation: Separating Demand and Supply Mechanisms." *Quantitative Economics*, 6(3): 663-702.
- Horrace, William C., Seth Richards-Shubik, and Ian A. Wright. 2015. "Expected Efficiency Ranks from Parametric Stochastic Frontier Models." *Empirical Economics*, 48(2): 829-848.
- Cutler, David M., Ellen Meara, and Seth Richards-Shubik. 2012. "Induced Innovation and Social Inequality: Evidence from Infant Medical Care." *Journal of Human Resources*, 47(2): 456-492.
- Horrace, William C., and Seth Richards-Shubik. 2012. "A Monte Carlo Study of Ranked Efficiency Estimates from Frontier Models." *Journal of Productivity Analysis*, 38(2): 155-165.
- Cutler, David M., Fabian Lange, Ellen Meara, Seth Richards-Shubik, and Christopher J. Ruhm. 2011. "Rising Educational Gradients in Mortality: The Role of Behavioral Risk Factors." *Journal of Health Economics*, 30(6): 1174-87.
- David, Guy, Sara Markowitz, and Seth Richards-Shubik. 2010. "The Effects of Pharmaceutical Marketing and Promotion on Adverse Drug Events and Regulation." *American Economic Journal: Economic Policy*, 2(4): 1-25.

Publications – Health and Networks Journals

- Metes, Ilinca D., Lingshu Xue, Chung-Chou H. Chang, Haiden A. Huskamp, Walid F. Gellad, Wei-Hsuan Lo-Ciganic, Niteesh K. Choudhry, Seth Richards-Shubik, Hasan Guclu, and Julie M. Donohue. 2019. "Association between Physician Adoption of a New Oral Anti-Diabetic Medication and Medicare and Medicaid Drug Spending." *BMC Health Services Research*, 19: #703.
- Donohue, Julie M., Hasan Guclu, Walid F. Gellad, Chung-Chou H. Chang, Haiden A. Huskamp, Niteesh K. Choudhry, Ruoxin Zhang, Wei-Hsuan Lo-Ciganic, Stefanie P. Junker, Timothy Anderson, and Seth Richards-Shubik. 2018. "Influence of Peer Networks on Physician Adoption of New Drugs." *PLoS ONE*, 13(10): e0204826.
- Anderson, Timothy S., Wei-Hsuan Lo-Ciganic, Walid F. Gellad, Rouxin Zhang, Haiden A. Huskamp, Niteesh K. Choudhry, Chung-Chou H. Chang, Seth Richards-Shubik, Hasan Guclu, Bobby Jones, and Julie M. Donohue. 2018. "Patterns and Predictors of Physician Adoption of New Cardiovascular Drugs." *Healthcare: The Journal of Delivery Science and Innovation*, 6(1): 33-40.
- Cuellar, Alison, Amelia M. Haviland, Seth Richards-Shubik, Anthony T. LoSasso, Alicia Atwood, Hilary Wolfendale, Mona Shah, and Kevin Volpp. 2017. "Boosting Workplace Wellness Programs with Financial Incentives." *American Journal of Managed Care*, 23(10): 294-300.
- Lo-Ciganic, Wei-Hsuan, Walid F. Gellad, Haiden A. Huskamp, Niteesh K. Choudhry, Chung-Chou H. Chang, Ruoxin Zhang, Bobby L. Jones, Hasan Guclu, Seth Richards-Shubik, and Julie M. Donohue. 2016. "Who Were the Early Adopters of Dabigatran? An Application of Group-Based Trajectory Models." *Medical Care*, 54(7): 725-732.
- Paltiel, A. David, Einar Ingvarsson, Donald K. K. Lee, Richard L. Leff, Richard J. Nowak, Kurt D. Petschke, Seth Richards-Shubik, Ange Zhou, Martin Shubik, and Kevin C. O'Connor. 2015. "Demographic and Clinical Features of Inclusion Body Myositis in North America." *Muscle & Nerve*, 52(4): 527-533.

Meara, Ellen R., Seth Richards, and David M. Cutler. 2008. "The Gap Gets Bigger: Changes in Mortality and Life Expectancy by Education, 1981-2000." *Health Affairs*, 27(2): 350-360.

Richards, Seth. 2005. "A Social Network Analysis into the David Kelly Tragedy." *Connections*, 26(2): 25-32.

Working Papers

"Learning and Efficiency in the Market for Physician Referrals" (with Ian McCarthy), January 2025.

"Contagion in the European Sovereign Debt Crisis" (with Brent Glover), NBER Working Paper 20567, latest version: May 2021.

"Health and Work Capacity of Older Adults: Estimates and Implications for Social Security Policy" (with David M. Cutler, Ellen Meara, and Wilson F. Powell, III), latest version: December 2014.

Work in Progress

"Do Stars Need More Than Innate Ability? Testing for Spillovers in the Network of Economists" (with Lina Zhang)

"Multidimensional Health Capital and the Production of Health" (with Tian Liu and Nirav Mehta)

"Optimal Contracting with Multitasking Agents" (with Nirav Mehta)

External Research Support

1R01HL119246, NHLBI, NIH 8/15/2013 – 5/31/2017
The Role of Physician Networks in the Adoption of New Prescription Drugs (PI: Julie Marie Donohue)

1R01HD075118, Eunice Kennedy Shriver NICHD, NIH 9/20/2012 – 6/30/2015
The Impact of Wellness Programs and Incentives on Preventive Services (PI: Alison Evans Cuellar)

RRC08098400-04-00, Project #NB12-12, Social Security Administration 9/30/2011 - 9/29/2012
Recovery from Health Shocks by Socioeconomic Status (NBER Retirement Research Center; Center PI: David Wise; Project Co-Investigators: David M. Cutler and Ellen Meara)

RRC08098400-03-00, Project #NB11-08, Social Security Administration 9/30/2010 - 9/29/2011
Health Shocks and Disability Transitions Among Near-Elderly Workers (NBER Retirement Research Center; Center PI: David Wise; Project Co-Investigators: David M. Cutler and Ellen Meara)

10-M-98363-1-02, Project #NB10-11, Social Security Administration 9/30/2009 - 9/29/2010
Healthy Life Expectancy by Education (NBER Retirement Research Center; Center PI: David Wise; Project Co-Investigators: David M. Cutler and Ellen Meara)

Invited and Conference Presentations (2020 – pres.)

2024: Cowles Foundation Summer Conference on Econometrics, Annual Meeting of the Southern Economic Association

2023: Johns Hopkins University, Department of Economics; Imperial College London, Department of Economics & Public Policy; Universitat Autònoma de Barcelona, Department of Economics and Economic History; Southeastern Health Economics Study Group

2022: Annual Conference of the American Society of Health Economists; University of Cambridge, Faculty of Economics; University of York, Department of Economics; Tilburg University, Department of Econometrics and Operations Research; Tinbergen Institute, Spatial Economics Seminar

2021: Princeton University, Center for Health and Wellbeing; Annual Conference on Network Science in Economics; Econometric Society North American Summer Meeting

2020: Health Economics Research Organization / ASSA

Other Professional Activities (2020 – pres.)

Referee: *AEJ: Applied Economics* (2x), *AEJ: Policy*, *American Economic Review* (6x), *AER: Insights*, *Econometrica*, *Economic Inquiry*, *Empirical Economics* (3x), *Evaluation Review*, *International Economic Review* (4x), *J. Econometrics* (2x), *J. Health Economics*, *J. Labor Economics*, *J. Pension Economics and Finance*, *J. Public Economics* (2x), *PNAS* (2x), *Quantitative Economics* (4x), *Quarterly Journal of Economics* (2x), *NSF Economics Program*, *NSF Methodology, Measurement, and Statistics Program*, *RAND Journal of Economics*, *Review of Economics and Statistics* (2x).

Program or scientific review committee: International Industrial Organization Conference (2020), International Industrial Organization Conference (2021), North American Summer Meeting of the Econometric Society (2021), Annual Conference of the American Society of Health Economists (2022).

Session organizer or invited chair: “Physician Choices and Patient Outcomes,” American Society of Health Economists (June 2022).

Discussant: American Society of Health Economists (June 2020), American Society of Health Economists (June 2021), Annual Health Econometrics Workshop (October 2021), American Society of Health Economists (June 2022).

University Service (2020 – pres.)

Co-Chair, Search Committee, Assistant Professor (Energy/Enviro.), Johns Hopkins Univ., 2024-25
 Research Computing Allocation Review Committee, Lehigh University, 2021 – 2023
 Database and Software Committee, Lehigh University, 2016 – 2023
 Promotion and Tenure Committee, Lehigh University, 2021-22
 Program Director, M.S. in Applied Economics, Lehigh University, 2017 – 2022
 Chair, Search Committee, Assistant Professor (Econometrics), Lehigh University, 2020-21
 Chair, Search Committee, Assistant Professor (Health Economics), Lehigh University, 2019-20

Courses Taught

Health Economics (PhD), Johns Hopkins Univ., 2024-25 to pres.
 Incentives, Uncertainty, and Decisions in Health Care (undergrad), Johns Hopkins Univ., 2024-25 to pres.
 Applied Econometrics II (PhD), Lehigh University, 2017-18 to 2023-24
 Statistical Methods (undergrad), Lehigh University, 2015-16 to 2023-24
 Industrial Organization and Public Policy III (PhD), Princeton University, Spring 2021
 Public Economics (undergrad), Lehigh University, 2016-17 to 2020-21
 Applied Econometrics (master), Carnegie Mellon Univ., 2012-13 to 2014-15
 Econometric Theory and Methods II (PhD), Carnegie Mellon Univ., 2010-11 to 2014-15
 Data Analysis in Health Care and Public Policy (master), Carnegie Mellon Univ., 2010-11 to 2012-13
 Health Policy II (master), Carnegie Mellon Univ., 2010-11 to 2012-13

Honors and Awards

Class of 1961 Professorship, Lehigh University, 2020
 Carl & Ingeborg Beidleman Research Award in Business & Economics, Lehigh University, 2018