

SETH RICHARDS-SHUBIK

Department of Economics
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Academic Positions

Department of Economics, College of Business, Lehigh University
Associate Professor of Economics (with tenure), 2019 – pres.
Assistant Professor of Economics, 2015 – 2019

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: network models, medical service markets, health inequality

Publications – Economics Journals, Book Chapters

Anderson, Katharine A., and Seth Richards-Shubik. 2021. “Collaborative Production in Science: An Empirical Analysis of Coauthorships in Economics.” *The Review of Economics and Statistics*, forthcoming.

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

"Measuring Quality Effects in Equilibrium" (with Julie M. Donohue and Mark S. Roberts), NBER Working Paper 28817, May 2021.

“Optimal Contracting with Altruistic Agents: A Structural Model of Medicare Reimbursements for Dialysis Drugs” (with Martin Gaynor and Nirav Mehta), NBER Working Paper 27172, latest version: February 2021.

“Contagion in the European Sovereign Debt Crisis” (with Brent Glover), NBER Working Paper 20567, latest version: October 2020.

“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.

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)

Berkman Faculty Development Grant, Carnegie Mellon University 6/7/2012 – 6/30/2014
Altruism or Profit: Assessing Physician Responsiveness to Price Changes in Medicare

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 (2016 – pres.)

2016: Rutgers University, Department of Economics; Population Association of America Annual Meeting; American Society of Health Economists Biennial Meeting; Econometric Society North American Summer Meeting

2017: Econometric Society Winter Meeting / ASSA; University of Kentucky-Federal Reserve Bank of Cleveland Economic Conference; 6th Annual Conference on Healthcare Markets; Syracuse University, Department of Economics

2018: Econometric Society Winter Meeting / ASSA; 4th Annual Conference on Network Science and Economics; 6th European Conference on Networks; Emory University, Department of Economics; Southern Economic Association Annual Meeting

2019: University of Pennsylvania, Industrial Organization Workshop; George Washington University, Collaborative Health Economics Seminar Series; International Industrial Organization Conference; Barcelona GSE Summer Forum, Networks Workshop; Annual Health Econometrics Workshop; Southeastern Health Economics Study Group

2020: Health Economics Research Organization / ASSA

2021 (incl. scheduled): 6th Annual Conference on Network Science in Economics, Econometric Society North American Summer Meeting, European Economic Association Congress

Other Professional Activities

Referee: *American Economic Journal: Applied Economics*, *American Economic Review*, *American Economic Review: Insights*, *American Journal of Health Economics*, *American Journal of Sociology*, *B.E. Journal of Economic Analysis & Policy*, *Canadian Journal of Economics*, *Demography*, *Econometrica*, *Economic Journal*, *Economics of Education Review*, *Empirical Economics*, *Evaluation Review*, *Health Economics*, *International Economic Review*, *JAMA Internal Medicine*, *Journal of Business & Economic Statistics*, *Journal of Econometrics*, *Journal of the European Economic Association*, *Journal of Economic Theory*, *Journal of Health Economics*, *Journal of Human Capital*, *Journal of Human Resources*, *Journal of Labor Economics*, *Journal of Population Ageing*, *Journal of Population Economics*, *Journal of Public Economic Theory*, *Journal of Public Economics*, *PLOS ONE*, *PNAS*, *Quantitative Economics*, *Quarterly Journal of Economics*, *RAND Journal of Economics*, *Review of Economic Studies*, *Review of Economics and Statistics*.

Program committee: 2020 International Industrial Organization Conference (IIOC), 2021 IIOC, 2021 North American Summer Meeting of the Econometric Society

Session organizer or invited chair: “Network Models: Theory and Estimation,” Econometric Society Winter Meeting / ASSA (January 2012), “Structural Estimation of Network Models: Recent Advances and Applications,” Econometric Society Winter Meeting / ASSA (January 2018), “Health Economics,” American Economic Association / ASSA (January 2018), “Physician Payments and Incentives: Design, Influence, and Response,” Southern Economic Association Annual Meeting (November 2018).

Discussant: American Society of Health Economists (June 2010), Annual Health Economics Conference (October 2010), Health Economics Research Organization / ASSA (January 2011), Labor & Employment Relations Association / ASSA (January 2015), American Society of Health Economists (June 2016), Econometric Society / ASSA (January 2017), American Economic Association / ASSA (January 2018), American Economic Association / ASSA (January 2019), International Industrial Organization Conference (April 2019).

Courses Taught

2020-21 spring	Industrial Organization and Public Policy III (PhD level)
2017-18 to pres.	Applied Econometrics II (PhD level)
2016-17 to pres.	Public Economics (undergraduate)
2015-16 to pres.	Statistical Methods (undergraduate)
2012-13 to 2014	Applied Econometrics (master level)
2010-11 to 2014	Econometric Theory and Methods II (PhD level)
2010-11 to 2012	Data Analysis in Health Care and Public Policy (master level)
2010-11 to 2012	Health Policy II (master level)

University Service

Chair, Search Committee, Assistant Professor (Econometrics), Lehigh University, 2020-21
Chair, Search Committee, Assistant Professor (Health Economics), Lehigh University, 2019-20
Strategy+ Working Group for new College of Health, Lehigh University, 2018
Program Director, M.S. in Applied Economics, Lehigh University, 2017-pres.
Database and Software Committee, Lehigh University, 2016-pres.
Ad hoc committee to evaluate Heinz College dean’s first term, Carnegie Mellon University, 2014

Honors and Awards

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