

SETH RICHARDS-SHUBIK

Department of Economics
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Professional Appointments

Associate Professor of Economics (with tenure), Department of Economics,
College of Business and Economics, Lehigh University, 2015 – present

Assistant Professor of Economics and Public Policy, School of Public Policy and Management,
H. John Heinz III College, Carnegie Mellon University, 2010 – 2015

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

Faculty Research Fellow, National Bureau of Economic Research, 2012 – present

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: Labor Economics, Public Economics, Industrial Organization

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

Publications – Economics Journals

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 Glucu, 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*, forthcoming.

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

"Collaborative Production in Science: An Empirical Analysis of Coauthorships in Economics" (with Katharine A. Anderson), latest version: March 2019, *revise and resubmit*.

"Measuring Quality Effects in Equilibrium" (with Julie M. Donohue and Mark S. Roberts), latest version: February 2019.

"Optimal Contracting with Altruistic Agents: A Structural Model of Medicare Reimbursements for Dialysis Drugs" (with Martin Gaynor and Nirav Mehta), June 2018.

"Contagion in the European Sovereign Debt Crisis" (with Brent Glover), NBER Working Paper 20567, latest version: February 2016.

"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.

Honors and Awards

Carl & Ingeborg Beidleman Research Award in Business & Economics, Lehigh University, 2018

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)

Conference and Invited Presentations

- “The Effects of Pharmaceutical Marketing and Promotion on Adverse Drug Events and Regulation,”
American Society of Health Economists Biennial Conference (June 2010)
- “Peer Effects in Sexual Initiation: Separating Demand and Supply Mechanisms”
NBER Summer Institute, Health Economics Workshop (July 2010)
American Economic Association Annual Meeting / ASSA (January 2012)
University of Virginia, Department of Economics (March 2012)
McGill University, Social Statistics Seminar (February 2013)
Johns Hopkins University, Carey Business School (April 2014)
- “Healthy Life Expectancy and Work Capacity by Education: Estimates and Implications for Retirement Age Policy,” The Savings and Retirement Forum, Washington DC (November 2010)
- “Explaining the Rise in Educational Gradients in Mortality,” RAND-Pitt Health Services Research Seminar Series (February 2011)
- “Health Shocks and Disability Transitions among Near Elderly Workers”
NBER Summer Institute, Aging Workshop (July 2011)
SSA Retirement Research Consortium Annual Conference (August 2011)
- “Inference with Network Data”
Econometric Society Winter Meeting / ASSA (January 2012)
University of Western Ontario, Department of Economics (February 2013)
- “Health Differences by Education: Behavioral Inputs and Labor Market Consequences,” Laboratory for Aggregate Economics and Finance (UCSB) conference on Health and Mortality (March 2012)
- “Subsidies and Structure: The Lasting Impact of the Hill-Burton Program on the Hospital Industry”
Health Economics Research Organization Meeting / ASSA (January 2013)
NBER Health Economics Program Meeting (April 2013)
University of Illinois at Chicago, Institute of Government and Public Affairs (May 2013)
Annual Health Economics Conference (October 2013)
Lehigh University, Department of Economics (February 2014)
- “Sovereign Debt Crises and Financial Contagion”
Financial and Economic Networks Conference, Wisconsin School of Business (August 2013)
University College London, Department of Economics (March 2014)
Econometric Society North American Summer Meetings (June 2016)
Barcelona GSE Summer Forum Networks Workshop (June 2019)

- “Testing for Changes in the SES-Mortality Gradient When the Distribution of Education Changes Too”
 NBER Health Economics Program Meeting (April 2015)
 Southeastern Health Economics Study Group (November 2015)
 Population Association of America Annual Meeting (April 2016)
 University of Kentucky-Federal Reserve Bank of Cleveland Economic Conference (February 2017)
- “Identification of Preferences in Network Formation Games”
 Econometric Society World Congress (August 2015)
 INET Conference on Networks, USC (November 2015)
 Rutgers University, Department of Economics (April 2016)
- “Identifying Preferences in Networks with Bounded Degree”
 Syracuse University, Department of Economics (August 2017)
- “Quality vs. Familiarity: An Equilibrium Analysis of Physician Referrals”
 American Society of Health Economists Biennial Meeting (June 2016)
 6th Annual Conference on Healthcare Markets, Northwestern University (May 2017)
- “Collaborative Production in Science: An Empirical Analysis of Coauthorships in Economics”
 Econometric Society Winter Meeting / ASSA (January 2017)
 Econometric Society Winter Meeting / ASSA (January 2018)
 4th Annual Conference on Network Science and Economics (April 2018)
 6th European Conference on Networks (May 2018)
- “Measuring Quality Effects in Equilibrium”
 Emory University, Department of Economics (October 2018)
 George Washington University, Collaborative Health Economics Seminar Series (April 2019)
 International Industrial Organization Conference (April 2019)
- “Optimal Contracting with Altruistic Agents: A Structural Model of Medicare Reimbursements for Dialysis Drugs,” Southern Economic Association Annual Meeting (November 2018)
 University of Pennsylvania, Industrial Organization Workshop (March 2019)
 Annual Health Econometrics Workshop (September 2019)

Professional Activities

Referee: *American Economic Journal: Applied Economics, American Journal of Health Economics, American Journal of Sociology, B.E. Journal of Economic Analysis & Policy, Canadian Journal of Economics, Demography, Econometrica, Economic Journal, 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.*

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).

Session organizer or 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).

Courses Taught

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

Strategy+ Working Group for new College of Health (Lehigh University, 2018)
Program Director, M.S. in Applied Economics (Dept. of Economics, Lehigh University, 2017-pres.)
Database and Software Committee (College of Business, Lehigh University, 2016-pres.)
Ad hoc committee to evaluate dean's first term (Heinz College, Carnegie Mellon University, 2014)