

August 8, 2018

CURRICULUM VITAE
MARTIN GAYNOR

PERSONAL DATA

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Date and Place of Birth: May 30, 1955 Cleveland, Ohio, USA

Marital Status: Married, 3 children

EDUCATION

Ph.D., 1983, Economics, Northwestern University
M.A., 1979, Economics, Northwestern University
B.A., *cum laude*, 1977, Economics, University of California, San Diego

Fields: Industrial Organization, Health Economics

HONORS AND AWARDS

Kenneth J. Arrow Award for Best Published Paper in Health Economics, 2017.
Member (elected), National Academy of Medicine, 2016.
Best Paper Award, *American Economic Journal: Economic Policy*, 2016.
Member (elected), National Academy of Social Insurance, 2015.
Finalist, Jerry S. Cohen Award for Antitrust Scholarship, 2014.
Victor R. Fuchs Research Award, 2007.
National Institute for Health Care Management Research Award, 2005.
Top 1000 Economists in the World, 1990-2000. <https://ideas.repec.org/coupe.html>
Top 5% of Authors, Research Papers in Economics (RePEc).
<https://ideas.repec.org/top/top.person.all.html>
Top 100 Health Economics Authors, 1969-2010. (Wagstaff, A. and A.J. Culyer, *Journal of Health Economics*, 2012, 31, 2, 406–439.)
Top 50 Health Economics Authors, 1991-2000. (Chang, C. and R. Rubin, *Health Economics*, 2003, 12:5 403–414.)
Kenneth J. Arrow Award for Best Published Paper in Health Economics, 1996.
Investigator Award in Health Policy Research, Robert Wood Johnson Foundation, 1995-1997.
First Independent Research Support and Transition (FIRST) Award, National Institute of Mental Health, 1990-1993.
Dissertation Grant, National Center for Health Services Research, 1981.

PROFESSIONAL EXPERIENCE

Carnegie Mellon University, Pittsburgh, PA: University Professor, 2017-Present; E.J. Barone Professor of Economics and Health Policy, 1998-Present; E.J. Barone Associate Professor, 1995-1998; H. John Heinz III College; Department of Economics; Tepper School of Business (courtesy); Director, Ph.D. Program, H. John Heinz III College, 2003-2012.

United States Federal Trade Commission, Washington, DC: Director, Bureau of Economics, 2013-2014; Consultant (unpaid), 2014-2018.

Health Care Cost Institute, Washington, DC: Chair, Governing Board, 2011-2013.

Jewish Healthcare Foundation, Pittsburgh, PA: Member, Board of Trustees, January-September, 2013; December, 2015-2017.

National Bureau of Economic Research, Cambridge, MA: Research Associate, 1990-Present; Faculty Research Fellow, 1983-1990.

University of Bristol, United Kingdom: International Research Fellow, 2010-Present; Research Associate, 2003-2009; Visitor, July, 2000; Centre for Market and Public Organisation.

Toulouse School of Economics, Toulouse, France: Visitor, March 2017.

Bates White Economic Consulting, Academic Affiliate, 2016 - Present.

Northwestern University, Evanston, IL: Visitor, Center for the Study of Industrial Organization, March, 2015.

Hebrew University of Jerusalem, Israel: Visitor, Department of Economics, April, 2013.

Bing Center for Health Economics, RAND Corporation: Distinguished Fellow, 2008-2010.

Cooperation and Competition Economics Reference Group, Monitor, National Health Service, England, Member, 2013-present.

Economics Reference Group, Cooperation and Competition Panel for NHS-Funded Services, United Kingdom, Member, 2010-2013.

Analysis Group, Inc., Cambridge, MA: Affiliate, 2001-2013.

Johns Hopkins University, Baltimore, MD: Associate Professor, 1994-1995, Assistant Professor, 1988-1994, Department of Health Policy and Management, School of Hygiene and Public Health, Department of Economics, School of Arts and Sciences; Associate Director, Center on Organization and Financing of Care for the Severely Mentally Ill, 1994-1995; Director, National Institute of Mental Health Training Program in Economics of Mental Health, 1994-1995.

Hungarian Academy of Sciences, Budapest, Hungary: Visitor, Institute of Economics, October-December, 1991.

Center for Health Economics Research/Health Economics Research, Inc.,

Needham, MA: Senior Economist, 1986-1988.

State University of New York-Binghamton, Binghamton, NY: Visiting Assistant Professor, Department of Economics, 1985-1986.

University of Texas at Arlington, Arlington, TX: Assistant Professor, Department of Economics, 1983-1986.

Rutgers University-Newark, Newark, NJ: Instructor, Department of Economics, 1982-1983.

Virginia Polytechnic Institute and State University, Blacksburg, VA: Assistant Professor, Department of Economics, 1981-1982.

TEACHING EXPERIENCE (SELECTED)

Carnegie Mellon

Intermediate Economic Analysis (Masters), Health Economics (Masters), Health Policy Workshop (Masters), Competitive Strategy (Masters), E-Strategy (Masters), Organizational Strategy (Masters), Health Economics (Undergraduate), Health Economics (Executive), Markets and Competition in Health Care (Executive), Industrial Organization (Doctoral), Economics of Health Care (Doctoral), Public Economics (Doctoral), Grant Writing (Doctoral)

Johns Hopkins

Industrial Organization (Doctoral), Applied Econometrics (Doctoral), Microeconomic Models in Health Economics (Doctoral)

Courses Taught Elsewhere

Industrial Organization of Health Care (Ph.D., delivered at European Science Days, Steyr, Austria, 2008)

PH.D. STUDENT SUPERVISION

Current Students

Nathaniel Breg (Public Policy)

Kole Reddig (Economics)

Shruthi Venkatesh (Public Policy)

Former Students

Carnegie Mellon

Jean Abraham (School of Public Health, University of Minnesota)

Yaa Owusua Akosa Antwi (Carey School of Business, Johns Hopkins University)

Scott Ashwood (Rand Corporation)

Farasat Bokhari (Department of Economics, University of East Anglia)

Jeffrey Brinkman (Federal Reserve Bank of Philadelphia)

Sujoy Chakravarty (Institute for Health, Health Care Policy and Aging Research, Rutgers University)

Andrea Park Chung (University of Wisconsin)

Andrew Cook (The Claro Group)

Matthew Eisenberg (School of Public Health, Johns Hopkins University)

Roberto Figueroa (School of Medicine, University of Nevada, Las Vegas)

Zia Hydari (Katz School of Business, University of Pittsburgh)

Samuel Kleiner (Federal Trade Commission)

Jian Li (Cornerstone Research)

Asako Moriya (Agency for Health Care Research and Quality, US Department of Health and Human Services)

Luis Quintero (Carey School of Business, Johns Hopkins University)

Yunfeng Shi (School of Public Health, Pennsylvania State University)

Erica Van Sant (The Brattle Group)

University of Pittsburgh

Fabio Bertranou (Universidad Nacional de Cuyo, Argentina)

Ranjani Krishnan (Eli Broad School of Business, Michigan State University)

Johns Hopkins

Agnes Davidson (U.S. Department of Health and Human Services)

Angela Larson (C.E. Unterberg, Towbin)

Richard Ludwick (The CapAnalysis Group)

Tami Mark (RTI International)

Stephen Parente (Carlson School of Management, University of Minnesota)

Ravi Sharma (Center for Naval Analyses)

Chao-Hsiun Tang (Taipei Medical College, Taiwan)

Flora Hsiu-Chen Tsui (U.S. Department of Agriculture)

Choong-Han Yoon (Department of Economics, Hanyang University, Korea)

PROFESSIONAL ACTIVITIES (SELECTED)

Member, Committee on Economic Statistics, American Economic Association, 2016 - Present.

Member, Governor's Health Advisory Board, Pennsylvania Governor's Office, 2016 - Present.

Co-Chair, Health Innovation in Pennsylvania Shoppable Care Work Group, Pennsylvania Governor's Office, 2016 - 2017.

Member, Health Innovation in Pennsylvania Price and Quality Transparency Work Group, Pennsylvania Governor's Office, 2015 - 2016.

Member, Technical Expert Panel, Assistant Secretary for Planning and Evaluation, US Department of Health and Human Services, 2015.

Member, Editorial Board, *American Journal of Health Economics*, 2014-Present.

Member, Editorial Board, *International Journal of Health Care Economics and*

Management, 1999-Present.

Member, Board of Editors, *Forum for Health Economics and Policy*, 2004 - Present.

Member, International Advisory Board, *Health Economics, Policy, and Law*, 2004 - 2013.

Associate Editor, *Health Economics*, 2005 - 2012.

Member, Board of Editors, *American Economic Review*, 1998-2003.

Co-Editor, with David Dranove, Symposium on Incentives and Competition in Health Care Markets, *Rand Journal of Economics*, Winter 2003.

Member, Editorial Board, *Health Services Research*, 1996-2010.

Member, Board of Trustees, American Society of Health Economists, 2004 - 2012.

Member, Health Services Research Study Section, Agency for Health Care Policy Research, U.S. Department of Health and Human Services, July 1994-June 1998.

Referee (Selected)

American Economic Review, *Journal of Political Economy*, *Quarterly Journal of Economics*, *Review of Economic Studies*, *Rand Journal of Economics*, *Economic Journal*, *Journal of Industrial Economics*, *Journal of the American Statistical Association*, *Review of Economics and Statistics*, *Journal of Public Economics*, *Journal of Law and Economics*, *Journal of Health Economics*, *Health Affairs*.

Consulting

Federal Trade Commission, U.S. Department of Justice, Netherlands Competition Authority & Netherlands Healthcare Authority (market definition methodology, vertical restraints review methodology); State of California Department of Corporations (HMO merger review), McBride, Baker, and Coles (expert witness; testimony at deposition and trial), Jenner and Block (expert witness), Analysis Group Incorporated (strategic consulting), University of Southern California/New York University (arbitration), Wiggin and Dana (expert witness; testimony at deposition), Alliance of American Insurers (review literature on workers compensation), Baltimore Taxicab Association (rate review).

Antitrust Matters: *South African Competition Commission Market Inquiry into the Private Healthcare Sector* (advisor to the chair of the inquiry panel, Chief Justice Sandile Ngcobo); *UK Competition and Markets Authority Private Healthcare Market Investigation* (Reports, Hearing); *U.S. v. UnitedHealth Group Incorporated and Sierra Health Services, Inc. (Consent Decree)*; *Alan D. Gordon, M.D. v. Lewistown Hospital* (Testimony at Deposition and Trial); *U.S. v. Federation of Physicians and Dentists, Inc. (Consent Decree)*; *Bellin Health Systems, Inc. v. Aurora Health Care, Inc. and Aurora Health Care Northeast, Inc. (Settlement)*

Public Testimony

“Examining the Impact of Health Care Consolidation,” Committee on Energy and Commerce, Oversight and Investigations Subcommittee, U.S. House of Representatives, Washington, D.C., February 14, 2018.

“The Adverse Effect of Surprise Out of Network Bills on Consumers and on the Health Care Market,” Pennsylvania Department of Insurance, Harrisburg, PA, October 1, 2015.

“Consolidation and Competition in U.S. Health Care,” Massachusetts Health Policy Commission, Boston, MA, July 9, 2013.

“Health Care Industry Consolidation,” Committee on Ways and Means Subcommittee on Health, U.S. House of Representatives, Washington, D.C., September 9, 2011.

“Provider Integration and Impacts on Competition,” Medicare Payment Advisory Commission, Washington, D.C. October 2, 2009.

“Competition and Quality in Health Care,” Federal Trade Commission/Department of Justice Joint Hearings on Health Care Competition Law and Policy, Washington, D.C., February 26, 2003.

“Countervailing Power in Health Care Markets,” Federal Trade Commission/Department of Justice Joint Hearings on Health Care Competition Law and Policy, Washington, D.C., May 7, 2003.

“Competition in Hospital Markets,” Federal Trade Commission/Department of Justice Joint Hearings on Health Care Competition Law and Policy, Washington, D.C., May 27, 2003.

“Antitrust Issues Related to HMO Mergers,” with Deborah Haas-Wilson and Roger Feldman, submitted to Senate Committee on Insurance, California State Senate, March 5, 1997.

PUBLICATIONS

“Misperceptions, Moral Hazard, and Incentives in Groups,” *Managerial and Decision Economics*, December, 1986, 7:4, 279-282.

“Misperceptions, Equilibrium and Incentives in Groups and Organizations,” with Paul R. Kleindorfer, in *Agency Theory, Information, and Incentives*, Günter Bamberg and Klaus Spremann (eds.), pp. 389-414, Springer-Verlag: Heidelberg, 1987.

“Competition within the Firm: Theory Plus Some Evidence from Medical Group Practice,” *Rand Journal of Economics*, Spring 1989, 20:1, 59-76.

“The Presence of Moral Hazard in Budget Breaking,” *Public Choice*, 1989, 61, 261-267.

“Compensation and Productive Efficiency in Partnerships: Evidence from Medical Group Practice,” with Mark V. Pauly, *Journal of Political Economy*, June 1990, 98:33, 544-573.

“Incentive Contracting in Mental Health: State and Local Relations,” *Administration and Policy in Mental Health*, September 1990, 18:1, 33-42.

“An Economic Analysis of Performance Contracting in Mental Health: The Case of Montana,” *Journal of Mental Health Administration*, Fall 1990, 17:2, 184-190.

“An Incentive Contracts Model Applied to Local Mental Health Authorities,” with Richard G. Frank, in *Public Finance with Several Levels of Government*, Remy Prud’homme (ed.), The Hague: Foundation Journal Public Finance, 1991. (Refereed).

“Medicaid Financing for the Severely Mentally Ill in Maryland,” with Donald M.

Steinwachs, Anthony Lehman, and Maureen Fahey, *Proceedings of the First National Conference on State Mental Health Agency Research*, Washington, D.C.: National Association of State Mental Health Program Directors, 1991.

“Equilibrium Misperceptions,” with Paul R. Kleindorfer, *Economics Letters*, January 1991, 35:1, 27-30.

“More on Moral Hazard in Organizations: Reply,” *Public Choice*, September 1992, 74:2, 257-262.

“Post-Collective Land Tenure: An Analysis of Assignment Rules and Farm Productivity,” with Louis Putterman, in *Continuity and Change in China’s Rural Development: Collective and Reform Eras in Perspective*, Louis Putterman, New York: Oxford University Press, 1993.

“Productivity Consequences of Alternative Land Division Methods in China’s Decollectivization: An Econometric Analysis,” with Louis Putterman, *Journal of Development Economics*, 1993, 42, 357-386.

“State Government Choice of Organizational Form for Local Mental Health Systems: An Exploratory Analysis,” with Richard G. Frank, *Advances in Health Economics and Health Services Research*, 1993, 14, 181-196.

“Organizational Failure and Government Transfers in the Public Sector: Evidence from an Experiment in the Financing of Mental Health Care,” with Richard G. Frank, *Journal of Human Resources*, Winter 1994, 29:1, 108-125.

“Fiscal Decentralization of Public Mental Health Care and The Robert Wood Johnson Program on Chronic Mental Illness,” with Richard G. Frank, *The Milbank Quarterly*, 1994, 72:1, 81-104.

“Measuring Information in the Market: An Application to Physician Services,” with Solomon W. Polachek, *Southern Economic Journal*, April 1994, 60, 4, 815-831.

“Adam Smith as Health Economist, Redux: Professor Smith on the Market for Physician Services,” *Journal of Health Economics*, March 1994, 13, 1, 119-122.

“Quantity, Quality, and the Welfare Effects of U.S. Airline Deregulation,” with John M. Trapani III, *Applied Economics*, 1994, 26, 543-550.

“Issues in the Industrial Organization of the Market for Physician Services,” *Journal of Economics and Management Strategy*, Spring 1994, 3, 1, 211-255.

“Economic Issues Regarding Total Quality Management and Health Care,” in *Health Care Policy and Regulation*, Thomas A. Abbott, III (ed.), Dordrecht, The Netherlands: Kluwer Academic Publishers, 1995.

“Incentives, Optimality, and Publicly Provided Goods: The Case of Mental Health Services,” with Richard G. Frank, *Public Finance Quarterly*, April 1995, 23, 2, 167-192.

“Uncertain Demand, the Structure of Hospital Costs, and the Cost of Empty Hospital Beds,” with Gerard F. Anderson, *Journal of Health Economics*, August 1995, 14, 3, 291-317.

“Moral Hazard and Risk Spreading in Medical Partnerships,” with Paul J. Gertler, *Rand Journal of Economics*, Winter 1995, 26, 4, 591-613.

“What Level of Government? Balancing the Interests of the State and the Local Community,” with Howard H. Goldman and Richard G. Frank, *Administration and Policy in Mental Health*, Winter 1995, 23, 2, 127-135. also Chapter 12, pp. 208-215, in *What Price Mental Health? The Ethics and Politics of Setting Priorities*, Philip J. Boyle and Daniel Callahan (eds.), Washington, D.C.: Georgetown University Press, 1995.

“What Does Economics Have to Say About Health Policy, Anyway? A Comment and Correction on Evans and Rice,” with William B. Vogt, *Journal of Health Politics, Policy and Law*, April 1997, 22, 2, 475-496. Reprinted in *Healthy Markets? The New Competition in Medical Care*, Mark Peterson (ed.), Durham, NC: Duke University Press, 1998.

“Competition and Exclusive Dealing Between Health Insurers and Health Care Providers,” in *Governments and Health Systems: Implications of Differing Involvements*, David Chinitz and Joshua Cohen (eds.), Chichester, U.K.: John Wiley and Sons, 1998.

“Commentary on ‘Modeling Mortality Rates for Elderly Heart Attack Patients: Profiling Hospitals in the Cooperative Cardiovascular Project,’ by Normand, Glickman, and Ryan,” with Brian Junker and Steven Fienberg, in *Case Studies in Bayesian Statistics, III*, Gatsonis, C.G., Hodges, J.S., Kass, R.E., McCulloch, R.E., Rossi, P.E., and Singpurwalla, N.D. (eds.), New York: Springer, 1997.

“Vertical Relations in Health Care Markets,” with Deborah Haas-Wilson, in Michael Morrissey, ed., *Managed Care and Changing Health Care Markets*, Washington, D.C.: American Enterprise Institute Press, 1998.

“Physician Networks and Their Implications for Competition in Health Care Markets,” with Deborah Haas-Wilson, *Electronic Health Economics Letters*, November 1997, 1, 4, 27-32. also in *Health Economics*, March 1998, 7, 2, 179-182.

“Introduction to the Special Issue on Competition and Antitrust Policy in Health Care Markets,” with Deborah Haas-Wilson, *Electronic Health Economics Letters*, November 1997, 1, 4, 3-4.
also in *Health Economics*, March 1998, 7, 2, 161-162.

“Increasing Consolidation In Health Care Markets: What Are The Antitrust Policy Implications?,” with Deborah Haas-Wilson, *Health Services Research*, December 1998, 33, 5, Part 2, 1403-1419.

“Change, Consolidation, and Competition in Health Care Markets,” with Deborah Haas-Wilson, *Journal of Economic Perspectives*, Winter 1999, 13, 1, 141-164. Reprinted in Hungarian translation in *Egészségügyi Gazdasági Szemle (Health Management Review)*.

“Effects of Physician and Patient Financial Incentives on Prescription Drug Spending in a Managed Care Organization,” with Alan Hillman, José Escarce, Kimberly Ripley, Mark Pauly, Jon Clouse, and Richard Ross, *Health Affairs*, March/April 1999, 18, 2, 189-200.

“Antitrust and Competition in Health Care Markets,” with William B. Vogt, Chapter 27 (pp. 1405-1487), in the *Handbook of Health Economics*, Volume 1B, Anthony J. Culyer and

Joseph P. Newhouse (eds.), Amsterdam: North-Holland, 2000.

“Enter at Your Own Risk: HMO Participation and Enrollment in the Medicare Risk Market,” with Jean Abraham, Ashish Arora, and Douglas Wholey, *Economic Inquiry*, July 2000, 38, 3, 385-401.

“Are Invisible Hands Good Hands? Moral Hazard, Competition, and the 2nd Best in Health Care Markets,” with Deborah Haas-Wilson and William B. Vogt, *Journal of Political Economy*, October 2000, 108, 5, 992-1005.

“Physician Contracting With Health Plans: A Survey of the Literature,” with Tami L. Mark, in *The Economics of Health Care in Asia-Pacific Countries*, Teh-Wei Hu and Chee-Ruey Hsieh (eds.), Cheltenham, UK: Edward Elgar, 2002.

“Competition Among Hospitals,” with William B. Vogt, *Rand Journal of Economics*, Winter 2003, 34, 4, 764-785.

“Physician Incentives in Health Maintenance Organizations,” with James B. Rebitzer and Lowell J. Taylor, *Journal of Political Economy*, August 2004, 112, 4, 915-931.

“Quality and Competition in Health Care Markets: What Do We Know? What Don’t We Know?,” *Économie Publique*, 2004, 15, 2, 87-124.

“The Volume-Outcome Effect, Scale Economies, and Learning by Doing,” with Harald Seider and William B. Vogt, *American Economic Review, Papers and Proceedings*, May 2005, 95, 2, 243-247.

“Is Vertical Integration Anticompetitive?: Definitely Maybe (But That’s Not Final),” editorial, *Journal of Health Economics*, January 2006, 25, 1, 175-180.

“The Evolution of the U.S. Hospital Industry,” with Sujoy Chakravarty, Steven Klepper, and William Vogt, *Health Economics*, April 2006, 15, 4, 345-361.

“Why Don’t the Courts Treat Hospitals Like Tanks for Liquefied Gases? Some Reflections on Health Care Antitrust Enforcement,” *Journal of Health Politics, Policy, and Law*, June 2006, 31, 3, 497-510.

“What Do We Know About Competition and Quality in Health Care Markets?,” *Foundations and Trends in Microeconomics*, December 2006, 2, 6.

(<http://www.nowpublishers.com/product.aspx?product=MIC&doi=0700000024>)

“Household Demand for Employer-Based Health Insurance,” with Jean M. Abraham and William B. Vogt, *Inquiry*, Winter 2006/2007, 43, 4, 315-332.

“The Sociology of Groups and the Economics of Incentives: Theory and Evidence on Compensation Systems,” with William Encinosa and James B. Rebitzer, *Journal of Economic Behavior and Organization*, February 2007, 62, 2, 187-214.

“Entry and Competition in Local Hospital Markets,” with Jean Abraham and William B. Vogt, *Journal of Industrial Economics*, June 2007, 55, 2, 265-288.

“Substitution, Spending Offsets, and Prescription Drug Benefit Design,” with Jian Li and William B. Vogt, *Forum for Health Economics and Policy*, 2007, 10, 2, Article 4, 1-31

(<http://www.bepress.com/fhep/10/2/4>).

“Health Care Spending Has Value,” with Deepti Gudipati, Chapter 2 (pp. 31-37) in *Health Care: Opposing Viewpoints Series*, David M. Haugen, editor, Farmington Hills, MI: Greenhaven Press, 2008. (not refereed)

“A Bargain at Twice the Price? California Hospital Prices in the New Millennium,” with Yaa Akosa Antwi and William B. Vogt, *Forum for Health Economics and Policy*, 2009, 12, 1, Article 3. (<http://www.bepress.com/fhep/12/1/3>).

“Does Health Insurer Consolidation Lower Provider Reimbursement?” with Asako S. Moriya and William B. Vogt, *Health Economics, Policy and Law*, 2010, 5, 459–479 .

“Adoption of Electronic Health Records in U.S. Hospitals,” with Jean Abraham, Jeffrey McCullough, and Stephen Parente, *Journal of Healthcare Engineering*, 2011, 2, 2, 121-142.

“A Response to Professor Mays,” with Carol Propper and Rodrigo Moreno-Serra, *British Medical Journal*, July 8, 2011, (http://www.bmj.com/content/343/bmj.d4205/reply#bmj_e1_266462).

“Trends in Retail Clinic Use Among Commercially Insured,” with Scott Ashwood, Rachel O. Reid, Claude M. Setodji, Ellerie Weber, and Ateev Mehrotra, *American Journal of Managed Care*, 2011, 17, 11, e443–e448.

“In Defence of Our Research on Competition in England’s National Health Service,” with Nicholas Bloom, Zack Cooper, Stephen Gibbons, Alistair McGuire, Rodrigo Moreno-Serra, Carol Propper, John Van Reenen, and Stephan Seiler, *The Lancet*, published online November 8, 2011. (<http://download.thelancet.com/pdfs/journals/lancet/PIIS014067361161708X.pdf>)

”Competition in Health Care Markets,” with Robert J. Town, Chapter 9 in *Handbook of Health Economics*, Vol. 2, T. McGuire, M.V. Pauly, and P. Pita Barros, Editors, Amsterdam: Elsevier North-Holland, 2012.

“Can Competition Improve Outcomes in UK Health Care? Lessons From The Past Two Decades,” with Rodrigo Moreno-Serra and Carol Propper, *Journal of Health Services Research and Policy*, 2012, 17, suppl 1, 49-54.

“The Effect of Hospital Nurse Staffing on Patient Health Outcomes: Evidence from California’s Minimum Staffing Regulation,” with Andrew Cook, Mel Stephens, and Lowell Taylor, *Journal of Health Economics*, 2012, 31, 2, 340–348.

“Can Governments Do It Better? Merger Mania and Hospital Outcomes in England,” with Mauro Laudicella and Carol Propper, *Journal of Health Economics*, 2012, 31, 3, 528–543.

“The Impact of Hospital Consolidation: Update,” with Robert J. Town, The Synthesis Project, Policy Brief No. 9, Princeton, NJ: The Robert Wood Johnson Foundation.

“A Structural Approach to Market Definition: An Application to the Hospital Industry,” with Samuel Kleiner and William B. Vogt, *Journal of Industrial Economics*, 2013, 61, 2, 243–289.

“Trends Underlying Employer-Sponsored Health Insurance Growth For Americans Younger

Than Age Sixty-Five,” with Carolina-Nicole Herrera, David Newman, Robert J. Town, and Stephen T. Parente, *Health Affairs*, 2013, 32, 10, 1715–1722.

“Death by Market Power: Reform, Competition and Patient Outcomes in the National Health Service,” with Rodrigo Moreno-Serra and Carol Propper, *American Economic Journal: Economic Policy*, 2013, 5, 4, 134–166.

“Competition Policy In Health Care Markets: Navigating The Enforcement And Policy Maze,” *Health Affairs*, 2014, 33, 6, 1088–1093.

“Economics at the FTC: Office Supply Retailers Redux, Healthcare Quality Efficiencies Analysis, and Litigation of an Alleged Get-Rich-Quick Scheme,” with Keith Brand, Patrick McAlvanah, David Schmidt, and Elizabeth Schneirov, *Review of Industrial Organization*, 2014, 45, 4, 325–344. <http://dx.doi.org/10.1007/s11151-014-9444-x>.

“Analysis of Hospital Production: An Output Index Approach,” with Samuel Kleiner and William B. Vogt, *Journal of Applied Econometrics*, 2015, 30, 3, 398–421. <http://dx.doi.org/10.1002/jae.2371>.

“The Industrial Organization of Health Care Markets,” with Kate Ho and Robert J Town, *Journal of Economic Literature*, 2015, 53, 2, 235–284. <http://dx.doi.org/10.1257/jel.53.2.235>.

“Efficient Efficiencies Analysis: False Dichotomies, Modeling, and Applications to Health Care,” *Antitrust Bulletin*, 2015, 60, 3, 268–273.

“Retail Clinic Visits For Low-Acuity Conditions Increase Utilization And Spending,” with J. Scott Ashwood, Claude M. Setoji, Rachel O. Reid, Ellerie Weber, and Ateev Mehotra, *Health Affairs*, 2016, 35, 3, 449–455. <http://content.healthaffairs.org/content/35/3/449.full.html>

“Free to Choose? Reform, Choice, and Consideration Sets in the English National Health Service,” with Carol Propper and Stephan Seiler, *American Economic Review*, 2016, 106, 11, 3521–3557.

“Making Health Care Markets Work: Competition Policy for Health Care,” with Farzad Mostashari and Paul B. Ginsburg, *JAMA*, (Viewpoint) published online March 2, 2017, <http://jamanetwork.com/journals/jama/article-abstract/2607819>, doi:10.1001/jama.2017.1173.

“Getting Market Definition Right: Hospital Merger Cases and Beyond,” with Kevin Pflum, *CPI Antitrust Chronicle*, 2017, July, 1-9, <https://www.competitionpolicyinternational.com/wp-content/uploads/2017/07/CPI-Gaynor-Pflum.pdf>.

“Subsidies and Structure: The Lasting Impact of the Hill-Burton Program on the Hospital Industry,” with Andrea Park Chung and Seth Richards-Shubik, *Review of Economics and Statistics*, 2017, 99, 5, 926–943.

“The Price Ain’t Right? Hospital Prices and Health Spending on the Privately Insured,” with Zack Cooper, Stuart Craig and John Van Reenen, *Quarterly Journal of Economics*, forthcoming.

SUBMITTED TO REFEREED JOURNALS

“Can Hospital Competition Harm Patient Privacy? Evidence from US Hospital Data Breaches,” with Zia Hydari and Rahul Telang, revise and resubmit at *MIS Quarterly*.

“A Competition Index for Differentiated Product Oligopoly, With an Application to Hospitals,” with Yaa O.D. Akosa Antwi, and William B. Vogt, revise and resubmit at *Journal of Industrial Economics*.

“Spending Growth on the Privately Insured and Medicare Beneficiaries from 2007 to 2014,” with Zack Cooper, Stuart Craig, Charles Gray, and John Van Reenen, revise and resubmit at *Health Affairs*.

“Hospital Prices Grew Substantially Faster Than Physician Prices From 2007 to 2014,” with Zack Cooper, Stuart Craig, Nir Harish, Harlan Krumholz, and John Van Reenen, revise and resubmit at *Health Affairs*.

“Digital Health Data and Information Sharing: A New Frontier for Health Care Competition?” with Lucia Savage and Julia Adler-Milstein, revise and resubmit at *Antitrust Law Journal*.

WORK IN PROGRESS

“Optimal Contracting with Altruistic Agents: A Structural Model of Medicare Reimbursements for Dialysis Drugs,” with Seth Richards-Shubik and Nirav Mehta.

“Hospital Mergers and Productivity: What Are The Benefits?” with Adam Sacarny, Raffaella Sadun, and Chad Syverson.

POLICY PAPERS, POPULAR MEDIA, OPINION PIECES (SELECTED)

“Shoppable Care Work Group Report,” Report of the Shoppable Care Work Group to the Pennsylvania Insurance Commissioner,
<http://www.health.pa.gov/Your-Department-of-Health/innovation/Documents/ShoppableCareReportSeptember192017.pdf>.

”Brief for Amici Curiae John M. Connor, Martin Gaynor, Daniel McFadden, Roger Noll, Jeffrey M. Perloff, Josepha A. Stiglitz, Lawrence J. White, and Ralph A. Winter in Support of Petitioners,” States of Ohio, Connecticut, Idaho, Illinois, Iowa, Maryland, Michigan, Montana, Rhode Island, Utah, and Vermont v. American Express Company, and American Express Travel Related Service Company, Inc., In The Supreme Court of the United States, July 6, 2017.

“Making Health Care Markets Work: Competition Policy for Health Care,” with Farzad Mostashari and Paul B. Ginsburg, White Paper, Heinz College, Carnegie Mellon University; The Brookings Institution, April 12, 2017
<http://heinz.cmu.edu/news/news-detail/index.aspx?nid=3930>,
<https://www.brookings.edu/research/making-health-care-markets-work-competition-policy-for-health-care/>.

“Brief of Professors as Amici Curiae in Support of Appellees and Affirmance,” United States of America , et al. v. Anthem, Inc. and Cigna Corporation, In The US Court of Appeals for the District of Columbia Circuit, March 17, 2017.

“New Health Care Symposium: Consolidation And Competition In US Health Care,” *Health Affairs Blog*, March 1, 2016 <http://healthaffairs.org/blog/2016/03/01/new-health-care-symposium-consolidation-and-competition-in-us-health-care/>.

“Reference Pricing is Not a Substitute for Competition in Health Care,” with Keith Brand and Christopher Garmon, FTC Competition Matters Blog, Sep 22, 2014, <http://www.ftc.gov/news-events/blogs/competition-matters/2014/09/reference-pricing-not-substitute-competition-health>.

“Efficient Efficiencies Analysis,” FTC Competition Matters Blog, September 9, 2014, <http://www.ftc.gov/news-events/blogs/competition-matters/2014/09/efficient-efficiencies-analysis>.

“Who Decides How Consumers Should Shop?” with Andy Gavil and Debbie Feinstein, FTC Competition Matters Blog, Apr 24, 2014 <http://www.ftc.gov/news-events/blogs/competition-matters/2014/04/who-decides-how-consumers-should-shop>.

“Health Law and Antitrust,” Letter to the Editor, *New York Times*, February 18, 2014.

“Can We Improve the American Health Care System?” Yiddish Daily Forward, (Interview, in Yiddish) December 6, 2013, <http://yiddish.forward.com/articles/174171/a-better-american-health-insurance-system/>.

“Nonprofit hospital makes billions: Should it get a tax break?,” by Ben Eisler, Terrell Brown, CBS News, May 30, 2013 (Interview: television, video, print/web) <http://www.cbsnews.com/news/nonprofit-hospital-makes-billions-should-it-get-a-tax-break/>.

“When States Opt Out of Expanding Medicaid, People Get Shafted,” *The Atlantic* website, July 6, 2012, <http://www.theatlantic.com/health/archive/2012/07/when-states-opt-out-of-expanding-medicaid-people-get-shafted/259513/>.

“The Public Option Obsession,” *Pittsburgh Post-Gazette*, October 27, 2009.

“Just Say No to UPMC: Its ‘Donation’ Has Too Many Strings,” *Pittsburgh Post-Gazette*, December 24, 2007.

“Don’t Let UPMC Grab Children’s Hospital,” *Pittsburgh Post-Gazette*, July 1, 2001.

“Special Treatment for Physicians is Bad Medicine,” with Deborah Haas-Wilson, *Chicago Tribune*, February 20, 1997.

RESEARCH GRANT PARTICIPATION (SELECTED)

“Health Care Policy Towards Markets: Generating New, Innovative Policies,” Robert Wood Johnson Foundation, \$85,297.

“Investigation of Competition under Fixed Prices,” Co-Applicant (Carol Propper, Lead Applicant), U.K. Department of Health, £510,432.00, September 2007-August 2010.

”The National Impact of Information Technology Portfolio Investments on Inpatient Resource Use and Quality of Care,” Co-Investigator, U.S. Agency for Health Care Research and Quality, July 2008 - June 2010.

“The Exercise of Market Power by Nonprofit Hospitals,” Principal Investigator, National Bureau of Economic Research, \$25,000 Direct Costs, June 1997-December 2000.

“Antitrust Policy and Health Care,” Co-Principal Investigator, Investigator Award in Health Policy Research, Robert Wood Johnson Foundation, \$250,000 Direct Costs, September 1995-August 1997.

“Public Mental Health Care: Incentives and Privatization,” Principal Investigator, First Independent Research Support and Transition Award, National Institute of Mental Health, \$198,771 Direct Costs, April 1990 -March 1993.

“Property Rights and Incentives in Pre-and Post-Reform Chinese Agriculture,” Investigator, (Louis Putterman, Principal Investigator) National Science Foundation, Subcontract from Brown University, \$7,593 Direct Costs, March 1988 -February 1990.

“The Effect of Income Distribution Method on Equilibrium Price in Medical Group Practice,” Principal Investigator, Dissertation Grant, National Center for Health Services Research, \$20,000 Direct Costs, July 1980 - June 1981.

SELECTED PRESENTATIONS

Research Seminars

University of Chicago, Yale University, Harvard University, MIT, Princeton University, Hebrew University of Jerusalem, Brown University, University of Pennsylvania, UC Berkeley, UCLA, USC, Cornell University, University of North Carolina, Northwestern University, Rice University, University of Virginia, UC Santa Barbara, Duke University, University of Illinois, Johns Hopkins University, University of Maryland, University of Minnesota, Washington University, University of Iowa, University of Toronto, Queen’s University, McGill University, Hungarian Academy of Sciences, Medical University of Debrecen, Hungary, Charles University, Prague, Czech Republic, University of Bristol, Bristol, UK, University of Oslo, Norwegian School of Economics, Department of Justice, Federal Trade Commission, Netherlands Competition Authority, Netherlands Healthcare Authority, American Enterprise Institute.

Conferences/Policy Presentations

Keynote Speaker, 8th Health Econometrics Workshop, Bergamo, Italy, 2018; Keynote Speaker, Symposium on Mergers and Competition in Health Care Markets, Erasmus University, Rotterdam, The Netherlands, 2018; Invited Speaker, Health Care Costs Innovation Summit, West Health, Washington, DC, 2018; Invited Speaker, Health Care Antitrust in the New Administration, Seton Hall Law School, 2017; Keynote Speaker, Conference on Welfare, Immigration, and Health in the UK, Oxford University, 2016;

Briefing on Private Health Care Spending and Prices, White House, Council of Economic Advisers/National Economic Council, 2016; Invited Talk, Solomon Center for Health Law and Policy Inaugural Conference, Yale University, 2015; Invited Talk, Policy Session: Health Care, Econometric Society World Congress, Montréal, Canada, 2015; Congressional Budget Office, Panel of Health Advisers, Washington, DC, 2015; Symposium on Sustainable US Health Spending, Altarum Institute, Washington, DC, 2015; Vaccine Eco-System Health Check, Fondation Mérieux, Veyrier-du-Lac, France, 2015; Workshop on Competition in Health Care, Federal Trade Commission/US Department of Justice, Washington, DC, February 2015; National Health Policy Forum, Briefing to Congressional Staff, Washington, DC, 2015; American Economic Association Meetings, Boston, MA, 2015; National Health Policy Conference, Academy Health, Washington, DC, 2015; American Bar Association Health Law Summit, Washington, DC, 2014; Meeting of Competition Authority Chief Economists, Florence, Italy, 2014; TIGER Forum, Toulouse School of Economics, Toulouse, France, 2014; American Antitrust Institute Annual Meeting, Washington, DC, 2014; Health Affairs Briefing, Washington, DC, 2014; Tech Freedom Event on FTC Consumer Protection, Washington, DC, 2014; POLITICO Pro Health Care Breakfast Briefing, Washington, DC, 2014; Virtual Summit on Provider Market Power, Catalyst for Payment Reform, 2014; Health Care Markets Conference, Northwestern University, Evanston, IL, 2014; Industrial Organization of Health Care Conference, Kaiser Permanente Institute for Health Policy, Washington, DC, 2014; MacEachern Memorial Lecture, Northwestern University, Evanston, IL, 2013; Aspen Ideas Festival, Aspen, CO, 2012; Working Group on Competition in Health Care, OECD, Paris France, 2011; Conference on Effective Managed Competition: Health Care at Both Sides of the Ocean, Tilburg University, Tilburg, The Netherlands, 2009; Seminar on the Allocation of Resources in the Health Care Sector, Norwegian School of Economics, Bergen, Norway, 2009; Conference on Public Organisation, Bristol, UK, 2008; Workshop on Competition in Health Care, Ministry of Economic Affairs, The Hague, The Netherlands, 2007; Third International Jerusalem Conference on Health Policy, Jerusalem, Israel, 2006; International Health Policy Network, Barcelona, Spain, 2005; Journées Louis-André Gérard-Varet, Marseille, France, 2004; Royal Economic Society Millenium Conference, St. Andrews, Scotland, 2000.