

May 2, 2012

**CURRICULUM VITAE**  
**MARTIN GAYNOR**

**PERSONAL DATA**

**Business Address**

H. John Heinz III College  
Carnegie Mellon University  
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**Date and Place of Birth:** May 30, 1955 Cleveland, Ohio

**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:** Health Economics, Industrial Organization

**HONORS AND AWARDS**

Victor R. Fuchs Research Award, 2007.  
National Institute for Health Care Management Foundation Health Care Research Award, 2005.  
Top 1000 Economists in the World, 1990-2000.  
(<http://homepages.vub.ac.be/~tcoupe/update/top1000p.html>)  
Top 100 Health Economics Authors, 1969-2010. (Wagstaff, A. and A.J. Culyer, 2011. "Four Decades of Health Economics Through a Bibliometric Lens," *Journal of Health Economics*, 2012, 31, 2, 406-439.)  
Top 50 Health Economics Authors, 1991-2000. (Chang, C. and R. Rubin, "A Bibliometric Analysis . . .," *Health Economics*, 2003, 12:5 403-414.)  
Who's Who in America, 2001-present.  
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:** E.J. Barone Chair in Health Systems Management, 1995-Present, Professor of Economics and Public Policy, 1998-Present, 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-Present.

**Health Care Cost Institute:** Chair, Governing Board, 2011-Present.

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

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

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

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

**Analysis Group, Inc., Cambridge, MA:** Affiliate, 2001-Present.

**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, School of Hygiene and Public Health, 1994-1995; Director, National Institute of Mental Health Training Program in Economics of Mental Health, Department of Health Policy and Management, School of Hygiene and Public 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), 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**

Scott Ashwood (Public Policy)

Andrea Park Chung (Public Policy)

Matt Eisenberg (Public Policy)

Zia Hydari (Information Systems)

### **Former Students**

#### *Carnegie Mellon*

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

Yaa Owusua Akosa Antwi (Department of Economics, Indiana University-Purdue University Indianapolis)

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

Jeff Brinkman (Federal Reserve Bank of Philadelphia)

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

Andrew Cook (Resolution Economics, LLC)

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

Samuel Kleiner (Department of Policy Analysis and Management, Cornell University)

Jian Li (Cornerstone Research)

Asako Moriya (School of Public and Environmental Affairs, Indiana University)

Yunfeng Shi (School of Public Health, Pennsylvania State University)  
*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 (MedStat, Inc.)

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, Editorial Board, *International Journal of Health Care Finance and Economics*, 1999-Present.

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

Member, International Advisory Board, *Health Economics, Policy, and Law*, 2004 - Present.  
Associate Editor, *Health Economics*, 2005 - Present.

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.

Co-Editor, with Deborah Haas-Wilson, Special Issue on Competition and Antitrust Policy in Health Care Markets, *Electronic Health Economics Letters*, Volume 1, Number 4, November 1997.

Member, Board of Trustees, American Society of Health Economics, 2004 - Present.

Co-Chair, Kenneth J. Arrow Award Selection Committee, International Health Economics Association, 2003-2009.

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

Chair, Allied Social Science Association Meetings Program Committee, International Health Economics Association, 1997-2000.

Member, Kenneth J. Arrow Award Selection Committee, International Health Economics Association, 1997-2002.

## Referee

*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 Cases: *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

“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, Jos 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 .

”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.

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

“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](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.

“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*, forthcoming.

“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>)

“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.

“Merger Mania and Hospital Outcomes in England,” with Mauro Laudicella and Carol Propper, *Journal of Health Economics*, forthcoming.

## **SUBMITTED TO REFEREED JOURNALS**

“A Structural Approach to Market Definition: An Application to the Hospital Industry,” with Samuel Kleiner and William B. Vogt, revision submitted to *Journal of Industrial Economics*.

“Death by Market Power: Reform, Competition and Patient Outcomes in the National Health Service,” with Rodrigo Moreno-Serra and Carol Propper, revision submitted to *American Economic Journal: Economic Policy*.

“Analysis of Hospital Production: An Output Index Approach,” with Samuel Kleiner and William B. Vogt, submitted to *Journal of Applied Econometrics*.

## **WORK IN PROGRESS**

“Free to Choose? Patient Choice and Hospital Quality in the National Health Service,” with Carol Propper and Stephan Seiler.

“Does IT Save Lives (or at Least Cut Costs?) Hospital Use of Information Technology, Efficiency, and Health Outcomes,” with Jean Abraham, Jeffrey McCullough, and Steven Parente.

“A Competition Index for Differentiated Product Oligopoly, With an Application to Hospitals,” with Yaa O.D. Akosa Antwi and William B. Vogt.

“The Impact of the Hill-Burton Program on the U.S. Hospital Industry,” with Andrea Park and Seth Richards-Shubik.

“Monopoly and Data Security,” with Zia Hydari and Rahul Telang.

## **OPINION PIECES**

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

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

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

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

## **UNPUBLISHED PAPERS**

“Managed Care Contracting and Physician Behavior,” with Laurence Baker, Christopher Ferrall, and Tami L. Mark, unpublished manuscript, Carnegie Mellon University, 1996.

“Insurance, Vertical Restraints, and Competition,” with Ching-to Albert Ma, unpublished manuscript, Carnegie Mellon University, 1996.

“Voters, Bureaucrats and Madness: Agenda Control and Mental Health Budgets,” with Richard G. Frank and David S. Salkever, unpublished manuscript, Johns Hopkins University, 1993.

“Overlapping Generations, Moral Hazard, and Earnings Profiles in Work Organizations,” with David J. Salant, unpublished manuscript, Johns Hopkins University, 1993.

“Patterns of Utilization and Expenditures by Severely Mentally Ill Medicaid Beneficiaries,” with Donald M. Steinwachs and Maureen Fahey, unpublished manuscript, Johns Hopkins University, 1993.

## **RESEARCH GRANT PARTICIPATION**

“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.

“Operations Research and Economics in Mental Health,” Principal Investigator, National Institute of Mental Health, \$498,464 Direct Costs, August 1994 - June 1996.

“Contracting Between Health Plans and Physicians,” Principal Investigator, Veteran’s Administration, \$14,283 Direct Costs, July 1994 - August 1994.

“Physician Incentives in Response to Variations in Contracts,” Principal Investigator, U.S. Congress Office of Technology Assessment, \$41,645 Direct Costs, April 1994 - October 1994. “Schizophrenia Patient Outcomes Research Team,” Co-Investigator (Anthony Lehman, University of Maryland, Principal Investigator), Agency for Health Care Policy and Research, \$5,000,000 Direct Costs, October 1992 - November 1996.

“Center on Organization and Financing of Care for the Severely Mentally Ill,” Co-Investigator, (Donald M. Steinwachs, Principal Investigator) National Institute of Mental Health, \$555,126, September 1992 - April 1997.

“State Mental Health Policy Studies,” Co-Principal Investigator, National Institute of Mental Health, \$108,833, July 1992 - July 1995.

“Financing Structures and Public Mental Health Systems,” Co-Principal Investigator, Robert Wood Johnson Foundation, \$393,252 Direct Costs, September 1991 - February 1994.

“Changes in the Financing and Delivery of Health Care in Hungary,” Principal Investigator, Faculty Development Fund, Johns Hopkins University, \$6,496 Direct Costs, April 1991-March 1992.

“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.

“The Role of Nonprofit Alcoholism Treatment Providers: Policy Impacts,” Investigator, (David Salkever, Principal Investigator) National Institute on Alcoholism and Alcohol Abuse, \$405,656 Direct Costs, July 1990 - June 1993.

“Current Beneficiary Survey,” Investigator (Judith Kasper, Principal Investigator), Subcontract from Westat, \$226,791, December 1989 - December 1992.

“Physician Participation and Cost in Alternative Health Plans,” Principal Investigator, Biomedical Research Support Grant, Johns Hopkins University, \$10,000 Direct Costs, April 1989 - March 1990.

“Medicaid Financing for the Severely Mentally Ill,” Co-Investigator, (Donald M. Steinwachs, Principal Investigator), National Institute of Mental Health, \$226,430, April 1989 - April 1992.

“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, 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, University of Maryland, University of Minnesota, Washington University, Georgetown University, Rutgers University, University of Alabama at Birmingham, Drexel University, Lehigh University, University of Iowa, University of Toronto, Queen’s University, McGill University, Hungarian Academy of Sciences, Budapest, Hungary, Medical University of Debrecen, Debrecen, Hungary, Charles University, Prague, Czech Republic, University of Bristol, Bristol, UK, University of Oslo, Norwegian School of Economics, Rand Corporation, National Bureau of Economic Research, Department of Justice, Federal Trade Commission, Netherlands Competition Authority, Netherlands Healthcare Authority, American Enterprise Institute.

### **Conferences**

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; Annual Conference of the Canadian Health Economics Study Group, University of Waterloo, Waterloo, Canada, 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 Market Definition in Health Care, Netherlands Competition Authority, Netherlands Healthcare Authority, The Hague, The Netherlands, 2007; 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; Workshop on Health Economics and Public Policy, Center for Economic Policy Research, University of Bergen, Bergen, Norway, 2002; Industry Economics Conference, University of Melbourne,

Melbourne, Australia, 2001; Royal Economic Society Millenium Conference, St. Andrews, Scotland, 2000; Taipei International Conference on Health Economics, Institute of Economics, Academia Sinica, Taipei, Taiwan, 1999; Fain Conference on Agency, Risk-Bearing and Incentives in Firms, Brown University, 1998; Health Care Antitrust Forum, Northwestern University, 1998; Handbook of Health Economics Conference, University of Chicago, 1998; Third Biennial Congress on the Industrial Organization of Health Care, Salem, MA, 1997; National Bureau of Economic Research Universities Research Conference "What Do Employers Do?" Boston, MA, 1996; Third World Congress on Health Economics, Vancouver, Canada, 1996; Second World Congress on Health Economics, Zurich, Switzerland, 1990; Econometric Society World Congress, Barcelona, Spain, 1990; First Biennial Congress on the Industrial Organization of Health Care, Boston, MA, 1993; American Economic Association Meetings, various years; International Institute of Public Finance 46th Congress, Brussels, Belgium, 1990; Fourth Annual Symposium on Health Economics, Northwestern University, 1993; Third Annual Symposium on Health Economics, Johns Hopkins University, 1992; Second Annual Symposium on Health Economics, University of Rochester, 1991; First Annual Symposium on Health Economics, Rand Corporation, 1990; Conference on Health Economics, University of Chicago, 1994.