

## Robert J. Town

Department of Economics  
University of Texas-Austin  
2225 Speedway  
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(mobile) (612) 636-1497  
Citizenship: USA  
Married, 2 children

### **CURRENT POSITIONS:**

James L and Nancy Powell Centennial Professor of American Economic Principles, University of Texas-Austin, Department of Economics, 2016-present  
Amazon Scholar/Senior Principal Economist, Amazon.com, 2018-present  
Research Associate, National Bureau of Economic Research, Health Care and Industrial Organization Programs, Cambridge, MA, 2006-present  
Board of Editors, *American Economic Journal: Policy*, 2016-Present  
Chair, Board of Directors, Health Care Cost Institute, Washington DC, 2016-present  
Faculty Research Associate, Population Research Center, University of Texas-Austin, 2016-Present  
Co-Founder, Picwell, Inc., 2013

### **EDUCATION:**

Ph.D., Economics, University of Wisconsin-Madison, 1990  
M.S., Economics, University of Wisconsin-Madison, 1987  
B.A., Economics (with distinction), University of Washington, 1984

### **PAST-POSITIONS:**

Gilbert and Shelley Harrison Professor of Health Care Management, Health Care Management Department, Wharton School at the University of Pennsylvania, 2015-2016  
Senior Fellow, Leonard Davis Institute for Health Economics, University of Pennsylvania, Philadelphia, PA, 2011-2016  
Visiting Professor, Einaudi Institute for Economics and Finance, Rome, Italy, 2015  
Associate Professor, Health Care Management Department, Wharton School at the University of Pennsylvania, 2011-2014.  
James A. Hamilton Professor of Health Economics, Division of Health Policy and Management, School of Public Health, University of Minnesota, 2007-2011  
Associate Professor, Division of Health Policy and Management, School of Public Health, University of Minnesota, 2005-2011  
Faculty Research Fellow, National Bureau of Economic Research, Cambridge, MA, 2004-2006  
Adjunct Associate Professor, Department of Economics, University of Minnesota, 2007-2011  
Director, Master of Science Program, Division of Health Policy and Management, School of Public Health, University of Minnesota, 2007-2011

Assistant Professor, Division of Health Services Research and Policy, School of Public Health, University of Minnesota, 2001-2005.

Assistant Professor, Graduate School of Management, University of California, Irvine, 1996-2001.

Co-Editor, *International Journal of Health Economics and Management*, 2011-2016.

Visiting Scholar, Boston University, Department of Economics, 2001

Staff Economist, U.S. Department of Justice, Antitrust Division, 1990-1996

Victor Kramer Fellow, Yale University, 1993-1994

## **RESEARCH INTERESTS:**

Health Economics, Industrial Organization, Applied Econometrics

## **PUBLICATIONS IN PEER-REVIEWED JOURNALS:**

1. Barrette, E., Gowrisankaran, G. and Town, R (2021) "Countervailing Market Power and Hospital Competition," *Review of Economic Statistics*, forthcoming.
2. Starc, A. and Town, R. (2020) "Internalizing Behavioral Externalities: Benefit Integration in Health Insurance," *Review of Economic Studies*, 87(6): 2827-2858.
3. Gowrisankaran, G., Marsh, T. and Town, R. (2020) "Myopia and Complex Dynamic Incentives: Evidence from Medicare Part D," *Review of Economic Studies*, 87(2): 822-869.
4. Grennan, M. and Town, R. (2020) "Regulating Innovation with Uncertain Quality: Information, Risk, and Access in Medical Devices," *American Economic Review*, 110(1):120-161. (Winner 2018 Public Utility Research Center (PURC) Prize for the best paper in regulatory economics International Industrial Organization Conference.)
5. Gowrisankaran, G., Lucarelli, C., Schmidt-Dengler, P., and Town, R. (2018) "Can Amputation Save the Hospital? The Impact of the Medicare Rural Flexibility Program on Demand and Welfare," *Journal of Health Economics*, 58(1): 110-122.
6. Faherty, L., Wong, C., Feingold, J., Li, J., Town, R., Fieldstone, E., Werner, R. (2017) "Pediatric Price Transparency: Still Opaque with Opportunities for Improvement," *Hospital Pediatrics*, 7(10): 565-571.
7. Bajari, P., Hong, H., Park, M. and Town, R. (2017) "Regression Discontinuity Designs with an Endogenous Forcing Variable and an Application to Contracting in Health Care." *Quantitative Economics*, 8(2):397-433. (Winner of 2018 Willard G. Manning Memorial Award for the Best Research in Health Econometrics.)
8. Karaca-Mandic, P., Wilcock, A., Town, R. (2017) "The Effect of Physician and Hospital Market Structure on Medical Technology Diffusion," *Health Services Research*, 52(2): 579-598.
9. Wong, C., Polsky, D., Jones, A., Weiner, J., Town, R. and Baker, T (2016) "For Third Enrollment Period Marketplaces Expand Decision Support Tools to Assist Consumers," *Health Affairs*, 35(4):680-687.
10. McCullough, J., Parente, S. and Town, R. (2016) "Health Information Technology and Patient Outcomes: The Role of Organizational and Information Complementarities," *RAND Journal of Economics*, 47(1):207-236.

11. Wong, C., Nirenburg, G. Polsky, D. Town, R. and Baker, T. (2015) "Insurance Plan Presentation and Decision Support on [HealthCare.Gov](https://www.healthcare.gov) and State-Based Websites Created for the Affordable Care Act," *Annals of Internal Medicine*, 163(4): 327-328.
12. Wong, C, Asch, D., Ford, C., Baker, T., Town, R and Merchant, R. (2015) "Seeing Health Insurance and Healthcare.gov Through the Eyes of Young Adults," *Journal of Adolescent Health*, 57(2): 137-143.
13. Wong, C., Sap, M., Schwartz, M., Town, R., Baker, T. and Unger, L. (2015) "Twitter Sentiment Predicts Affordable Care Act Marketplace Enrollment," *Journal of Medical Internet Research*, 17(2): e51.
14. Choi, J-Y, Baumgartner J., Alexander, B., Town, R., D'Souza, G., and Ramachandran G. (2015) "Increased Risk of Respiratory Illness Associated with Kerosene Fuel Use Among Women and Children in Urban Bangalore, India," *Occupational and Environmental Medicine*, 72:114-122.
15. Sojourner, A., Town, R., Grabowski, D., Chen, M. and Frandsen, B. (2015) "Impacts of Unionization on Employment, Product Quality, and Productivity: Regression Discontinuity Evidence From Nursing Homes," *ILR Review*, 68(4):
16. Gowrisankaran, G., Nevo, A. and Town, R. (2015) "Estimating the Price Impact of Hospital Mergers: An Analysis of Inova's Proposed Acquisition of Prince William Hospital," *American Economics Review*, 105(1): 172 -203. (Winner Best Academic Mergers Article - 2016 Antitrust Writing Awards)
17. Gaynor, M, Ho, K. and Town, R. (2015) "The Industrial Organization of Health Care Markets," *Journal of Economic Literature*, 53(2): 235-84.
18. Wong, C., Asch, D, Vinoya, C., Ford, C., Baker, T., Town, R. and Merchant, R. (2014) "The Experience of Young Adults on Healthcare.org: Suggestions for Improvement," *Annals of Internal Medicine*, 161(3): 231-232.
19. Lee, J., McCullough, J., and Town, R. (2013) "The Impact of Health Information Technology on Hospital Productivity." *RAND Journal of Economics*, 44(3): 545-568.
20. Park, M. and Town, R. (2014) "Industry Shock Expectations, Interindustry Linkages, and Merger Waves: Evidence from the Hospital Industry," *Journal of Economics and Management Strategy*, 23(3):548-567.
21. Spetz, J., Parente, S., Bazarko, D. and Town, R. (2013) "Scope Of Practice Laws For Nurse Practitioners Limit Cost Savings That Can Be Achieved In Retail Clinics," *Health Affairs*, 32(11): 1977-84.
22. Herrera, C., Newman, D., Gaynor, M., Parente, S. and Town, R. (2013) "What's happening to health care costs for the privately insured? Trends in employer-sponsored health insurance (2007–2011)," *Health Affairs*, 32(10):1715-1722.
23. Pauly, M. and Town, R. (2012) "Counterpoint: Maryland Exceptionalism? All-Payers Regulation and Health Care System Efficiency" *Journal of Health Politics, Policy and Law*, 37(4): 697-707.
24. Adair, R., Christianson, J., Wholey, D., White, K., Town, R, Lee, S, Britt, H., Lund, P., Lukasewycz, A., and Elumba, D. (2012), "Care Guides: Employing Nonclinical Laypersons

- to Help Primary Care Teams Manage Chronic Disease,” *Journal of Ambulatory Care Management*, 35(1): 27-37.
25. Grabowski, D. and Town, R. (2011) “Does Information Matter? Competition, Quality and the Impact of Nursing Home Report Cards.” *Health Services Research*, 46(6): 1689-1719.
  26. Feldman, R., Town, R. and Kralewski, J. (2011) “Market Power and Contract Form: Evidence from Physician Practices.” *International Journal of Health Care Finance and Economics*, 11(2): 327-342.
  27. Gowrisankaran, G., Lucarelli, C., Schmidt-Dengler, P. and Town, R. (2011) “The Impact of the Medicare Rural Hospital Flexibility Program on Patient Choice.” *International Journal of Industrial Organization*, 29 (3): 342-344.
  28. Town, R. (2011) “The Effects of Consolidations on Hospital Quality: A Comment,” *International Journal of the Economics of Business*, 18(1): 127-131.
  29. Gowrisankaran, G., Town, R. and Barrette, E. (2011) “Drug Benefits, Managed Care and Mortality: An Analysis of Elderly Mortality,” *The B.E. Journal of Economic Analysis & Policy*, 11(2) (Advances), Article 3.
  30. Sojourner, A., Grabowski, D., Chen, M. and Town, R. (2010) “Trends in Unionization of Nursing Homes,” *Inquiry*, 47: 331–342 (Winter 2010/2011).
  31. Chernew, M., DeCicca, P. and Town, R. (2008) “Managed Care and Medical Expenditures of Medicare Beneficiaries,” *Journal of Health Economics*, 27: 1451-1461.
  32. Hirsch, A., Virnig, B., Hartman, L. and Town, R. (2008) “National Healthcare Cost of Peripheral Arterial Disease in the Medicare Population,” *Vascular Medicine*, 13(3): 209-215.
  33. Ricciardi, R. Harriman, K., Baxter, N. Hartman, L., Town, R., and Virnig, B. (2008) “Predictors of Clostridium Difficile Colitis Infections in Hospitals,” *Epidemiology and Infection*, 136(7): 913-921.
  34. Foote, S., Virnig, B., Town, R. and Hartman, L. (2008) “The Impact of Medicare Coverage Policies on Health Care Utilization,” *Health Services Research*, 43(4): 1285-1301.
  35. Foote, S. and Town, R. (2007) “Managing Technology: Achieving Evidence-Based Medicine through Medicare Coverage Policy Implementation,” *Health Affairs*, 26(6): 1634-1642.
  36. Town, R., Wholey, D., Feldman, R. and Burns, L.R. (2007) “Hospital Consolidation Increases Racial and Income Disparities in Health Insurance Coverage” *Health Affairs*, 26(4): 1170-1180.
  37. Town, R., Wholey, D., Feldman, R. and Burns, L.R. (2007) “Revisiting the Relationship between Managed Care and Hospital Consolidation,” *Health Services Research*, 42(1): 219-238.
  38. Hayes, J., Shapiro, C. and Town, R. (2007) “Market Definition in Crude Oil: Estimating the Effects of the BP/ARCO Merger,” *The Antitrust Bulletin*, 52(2): 179-204.
  39. Ho, V., Town, R. and Heslin, M. (2006) “Regionalization versus Competition in Complex Cancer Surgery” *Health Economics, Policy and Law*, 2(1): 51-71.
  40. Dowd, B., Feldman, R., Nyman, J. and Town, R. (2006-2007) “Setting Physicians’ Prices in Fee-for-Service Medicare” *Health Care Financing Review*, 28(2): 97-111.

41. Ricciardi, R., Town, R., Kellogg, T. and Baxter, N. (2006) "Outcomes after Open versus Laparoscopic Gastric Bypass," *Surgical Laparoscopy Endoscopy and Percutaneous Techniques*, 6(5): 317-20.
42. Town, R., Kane, R., Johnson, P., and Butler, M. (2005) "The Effect of Economic Incentives on Physicians' Preventive Behavior," *American Journal of Preventive Medicine*, 28(2): 234-240.
43. Town, R., Feldman, R. and Wholey, D. (2004) "The Impact of Ownership Conversions on HMO Performance," *International Journal of Health Finance and Economics*, 4(4): 327-342.
44. Kane, R., Johnson, P., Town, R. and Butler, M. (2004) "A Structured Review of the Effect of Economic Incentives on Consumers' Preventive Behavior," *American Journal of Preventive Medicine*, 27(4): 327-352.
45. Antonovics, K. and Town, R. (2004) "Are All the Good Men Married: Uncovering the Sources of the Marital Wage Premium" *American Economic Review Papers and Proceedings*, May, 94(2): 317-321.
46. Town, R., Wholey, D., Dowd, B. and Kralewski, J. (2004) "Assessing the Influence of Incentives on Physicians and Medical Groups," *Medical Care Research and Review*, 61: 80S - 118S.
47. Town, R. and Liu, S. (2003) "The Welfare Impact of Medicare HMOs," *The RAND Journal of Economics*, 34(4): 719-736.
48. Gowrisankaran, G., and Town, R. (2003) "Competition, Payers and Hospital Quality," *Health Services Research*, 38(6): 1403-1421.
49. Geweke, J, Gowrisankaran, G., and Town, R. (2003) "Inferring Hospital Quality from Patient Discharge Records Using a Bayesian Selection Model," *Econometrica*, 71(4):1215-1238.
50. Town, R. and Currim, I. (2002) "Hospital Advertising in California: 1991-1997" *Inquiry*, 39(3): 298-313.
51. Town, R. (2001) "The Welfare Effects of HMO Mergers," *Journal of Health Economics*, 20(6): 967-90.
52. Elvira, M. and Town, R. (2001) "Employment Outcome Differentials and Performance for Employees in a Racially Diverse U.S. Firm," *Industrial Relations*, 40(4): 571-50.
53. Town, R. and Vistnes, G. (2001) "Hospital Competition in HMO Networks," *Journal of Health Economics*, 20(4): 733-53.
54. Gowrisankaran, G. and Town, R. (1999) "Estimating the Quality of Care in Hospitals Using Instrumental Variables," *Journal of Health Economics*, 18(6): 747-767
55. Gowrisankaran, G. and Town, R. (1997) "Dynamic Equilibrium in the Hospital Industry," *Journal of Economics and Management Strategy*, 6(1): 45-74
56. Town, R. (1992) "Merger Waves and the Structure of Merger and Acquisition Time Series," *Journal of Applied Econometrics*, 7: S83-100, December. Reprinted in *Nonlinear Dynamics, Chaos and Econometrics*, H. Pesaran and S. Potter, ed., Wiley Press, 1993.

#### **SUBMITTED MANUSCRIPTS:**

57. Miller, K. Petrin, A., Town, R. and Chernew, M. (2019) "Optimal Managed Care Subsidies." Revision requested at *Econometrica*. NBER Working Paper 25616.

### **BOOK CHAPTERS:**

58. Olley, G. S. and Town, R. (2018) “End of an Era: The American Airlines-US Airways Merger,” in *The Antitrust Revolution: Economics, Competition and Policy*, 7<sup>th</sup> Edition, Kwoka, J and White, L. editors. New York: Oxford University Press.
59. Gaynor, M and Town, R. (2011) “Provider Competition,” in *Handbook of Health Economics*, Vol 2, Borras, P., McGuire, T. and Pauly, M., eds., Amsterdam: Elsevier.
60. Town, R. and Milliman, S. (1989) “Competition in Deregulated Airlines,” in *Concentration and Price*, Leonard Weiss, ed., MIT Press.

### **REPORTS AND MONOGRAPHS:**

61. Gaynor, M and Town, R. (2012) “The Impact of Hospital Consolidation – Update,” Robert Wood Johnson Synthesis Report.
62. Vogt, William and Town, R. (2006) “How has Hospital Consolidation Affected the Price and Quality of Hospital Care?” Robert Wood Johnson Synthesis Report.
63. Dowd, B. and Town, R. (2002) *Does X Cause Y*, HCFO Monograph.

### **WORKING PAPERS:**

64. Gowrisankaran, G. Ho, V. and Town, R. (2008) “Causality, Learning-by-Doing and Forgetting in Surgery.”\*
65. Parente, S. and Town, R. (2010) “The Welfare Impact of Retail Clinics.”\*
66. Carlin, C. and R. Town (2010) “Adverse Selection, Welfare and Optimal Pricing of Employer-Sponsored Health Plans.”
67. Leger, P-T., Town, R. and Wu, J. (2020) “A Theory of Geographic Variations in Health Care.”

### **WORK IN PROGRESS:**

1. Barrette, E. and Town, R. “Geographic Variation in Medicare Advantage Expenditures.”
2. Gowrisankaran, G., Nevo, A., and Town, R. “Airline Mergers, Capacity and Price”
3. Grennan, M, Collard-Wexler, A. and Town, R. “Private Incentives for Information Provision”
4. Prager, E., Saeedi, M., and Town, R. “Price Transparency and Negotiated Healthcare Provider Prices”
5. Fleitas, S., Gowrisankaran, G., Starc, A., Swanson, A. and Town, R. “Welfare Impact of Preferred Pharmacy Networks in Medicare Part D.”

### **SOFTWARE:**

1. Gowrisanakran, G., Marquardt, K, and Town, R. (2019) “GGT -- Software to implement Geweke, Gowrisankaran and Town (2003) on STATA.” <http://fmwww.bc.edu/RePEc/bocode/g>. Uploaded December, 2019.

## **PRESENTATIONS:**

### **Plenary, Keynotes, and Invited Lectures**

“The Performance of the US Health Care System: What's Right, What's Wrong and What (If Anything) Can Fix It?”

*University of Wisconsin – Madison, Department of Economics, Economic Futures Alumni Symposium, Madison, WI, 10/19*

“Private Provision of Public Health Insurance,”

*Heller-Hurwicz Lecture, Department of Economics, University of Minnesota, 11/16*

“Regulation, Uncertainty and Risk: Evidence from Medical Devices”

*Plenary Lecture, North American Meetings of Econometrics Society, University of Pennsylvania, Philadelphia, PA, 7/16*

“Product Regulation in Health Care Settings: Evidence and Policy”

*Georgia Health Economics Research Day, Emory University, Keynote Address, 12/15*

“Policy Analysis of Healthcare Markets: Recent Applications of Structural Approaches,”

*Plenary Presentation, North American Meetings of the Econometrics Society, Carnegie-Mellon University, Pittsburgh, PA, 6/08*

### **Seminars and Conference Presentations**

“Optimal Managed Competition Subsidies”

*Harvard/MIT IO Seminar, 3/20*

*Duke University, Fuqua School of Business, 2/20*

*Conference Celebrating the Career of Mark Satterthwaite, Kellogg School of Management, Northwestern University, 4/19.*

*University of Texas-Austin, Department of Economics, 11/17*

“Externalities and Benefit Design in Health Insurance,”

*University of Chile, Department of Economics, Santiago, Chile, 4/18*

*University of Chicago, Department of Economics, Chicago, IL, 2/18*

*Cornell University, Ithaca, NY, 11/16*

*Yale University, Department of Economics, 4/16*

“Myopia and Complex Dynamic Incentives: Evidence from Medicare Part D”

*University of Texas-Austin, Department of Economics, 12/14*

“Regulation, Uncertainty and Risk: Evidence from Medical Devices”

*Pennsylvania State University, Department of Economics, 10/15*  
*University of Texas-Austin, Department of Economics, 9/15*  
*University of California Los Angeles, Department of Economics, 6/15*  
*University of Washington, Department of Economics, 5/15*  
*Clemson University, Department of Economics, 11/14*  
*Oho State University, Department of Economics, 4/14*

“Mergers When Prices are Negotiated: Evidence from the Hospital Industry”

*TIGER Conference, Toulouse, France, 6/14*  
*University of Minnesota, Department of Economics, 11/13*  
*University of California-Berkeley, Department of Economics 4/13*  
*Yale University, Department of Economics, 3/13*  
*University of Washington, Department of Economics/Health Services, 5/12*  
*University of Wisconsin, Department of Economics, 4/12*

“Health Information Technology and Patient Outcomes: The Role of Organizational and Information Complementarities”

*University of Arizona, Department of Economics, 4/13*  
*University of Pennsylvania, 5/12*  
*University of Southern California, Leonard Schaeffer Institute, 11/11*  
*US Census, Bureau of Economic Analysis, 10/11*

“Competition Between Health Care Providers”

*Handbook of Health Economics Authors Meeting, Lisbon, Portugal, 11/10*

“Government Policy and the Dynamics of Market Structure: Evidence from Critical Access Hospitals”

*Harvard University, Dept. of Economics, 12/10*  
*American Society of Health Economists Meeting, Ithaca, NY, 6/10*  
*CEPR Conference, Toulouse, France. 5/10*  
*Stanford University, Graduate School of Business, Stanford, CA, 11/09*  
*Indiana University, Carey School of Management, Bloomington, IN, 11/09*  
*NBER Summer Institute, Cambridge MA, 7/08*  
*The Industrial Organization of Health Care Conference, HEC, Montreal, Canada, 11/07*  
*Kellogg School of Management, Northwestern University, Evanston, IL, 12/07*

“Estimating the Impact of Hospital Mergers on Prices,”

*Charles Rivers and Associates, Washington, DC, 2/10*

“The Welfare Impact of Retail Clinics”

*National Bureau of Economic Research, Summer Institute, Cambridge, MA, 7/10*  
*University of Alabama-Birmingham, School of Public Health, Birmingham, AL, 12/09*  
*American Health Economics Conference, Boston, MA, 10/09*

“New Evidence on the Relationship between Managed Care and Hospital Consolidation,”

*International Health Economics Conference, Beijing, China, 7/09*

“Bundled Payments,”



*Conference on Global Healthcare Reform Experiences, Rinmen University, Beijing, China, 7/09*

“Provider Agency in Transplants,”

*American Society of Health Economists Annual Meetings, Duke University, Durham, NC, 6/08*

“Adverse Selection, Welfare and the Optimal Pricing of Health Plans,”

*RAND Corporation, Santa Monica, CA, 6/09*

*Annual Allied Social Science Meetings, San Francisco, CA, 01/09*

*Wharton School, University of Pennsylvania, Philadelphia, PA, 12/08*

*Northwestern University, Evanston, IL, 11/08*

*University of Chicago, Chicago, IL, 8/08*

*Cornell University, Ithaca, NY, 4/08*

“Review of ‘The Effect of Direct-to-Consumer Advertising on Prescription Drug Prices’”

*Annual Health Economics Conference, University of Chicago, Chicago, IL, 3/08*

“The Welfare Consequences of Hospital Mergers,”

*University of Illinois-Chicago, Chicago, IL, 04/07*

*American Society of Health Economist Meetings, Madison, WI, 6/06*

*International Health Economics Association Meetings, Copenhagen, Denmark, 6/07*

*Medical University of South Carolina, Charleston, SC, 5/06*

*University of Michigan, Ann Arbor, MI, 10/05*

“Did The HMO Revolution Cause Hospital Consolidation?”

*NBER Health Care Program Fall Meetings, Cambridge, MA, 9/04.*

“Causality, Learning by Doing and the Volume Outcome Relationship,”

*University of Michigan, Ann Arbor, MI, 11/06*

*American Economic Association Meetings, Boston, MA, 1/06*

*HEC Montreal, Montreal, Canada, 10/03.*

*AHRQ/FTC Conference on Competition and Quality in Health Care, 5/03.*

“Managed Care, Drug Benefits and Mortality: An Analysis of the Elderly,”

*Rice University, Houston, TX, 02/07*

*NBER Summer Institute Healthcare Meetings, Cambridge, MA 7/04*

*Centers for Medicare and Medicaid Services, Baltimore, MD, 10/03*

“Market Power and Contract Form: Evidence from Minnesota Physician Practices,”

*International Economics Association Meetings, San Francisco, CA, 6/03.*

*International Health Economics Association Conference, Barcelona, Spain, 7/05.*

“Hospitals - Horizontal Networks and Vertical Arrangements,”

*Federal Trade Commission/ Department of Justice Hearings on Health Care and Competition Law and Policy, Washington, DC, 4/03*

“The Welfare Impact of Medicare HMOs”

*13<sup>th</sup> Annual Health Economics Conference, Carnegie Mellon University, 6/02*

*Graduate School of Management, Stanford University, 5/02*

*5<sup>th</sup> Biennial Industrial Organization of Health Care, Boston University, 9/01*

*Graduate School of Public Policy, University of Chicago, 12/02.*

“Productivity and the PC Revolution”

*University of California-Los Angeles, Department of Economics, 10/00*  
*CRITO, University of California—Irvine, 11/00*

“How Vigorous is HMO Competition—Evidence from the California's Small Group Market,”

*2<sup>nd</sup> Annual CEPR Conference on Empirical Industrial Organization, Lisbon, Portugal, 6/00*  
*The Eleventh Annual Health Economics Conference, Washington, DC, 6/00*  
*Econometric Society North American Summer Meetings, Madison, WI, 7/99*

“Inferring Hospital Quality from Patient Discharge Records Using a Bayesian Selection Model,”

*Boston University, Department of Economics, 3/01*  
*Georgetown University, Department of Economics, 3/01*  
*World Congress of the Econometric Society, Seattle, WA, 8/00*  
*UC-Riverside, Department of Economics, 11/98.*

“Estimating Hospital Quality Using Instrumental Variables,”

*American Economics Association Meetings, New Orleans, LA, 1/97*  
*Annual Meetings of the Health Economics Association, Minneapolis, MN, 7/97.*

“Hospital Competition in HMO Networks,”

*NBER IO/Health Economics Winter Meetings, 1/98*  
*The Second Industrial Organization of Health Care Conference, Salem, MA, 9/97.*

“Dynamic Equilibrium in the Hospital Industry,”

*Yale University, Department of Economics, 6/95*  
*New York University, Department of Economics, 10/95.*

“Price Rigidity, the Firm, and the Market: Evidence from the Wholesale Gasoline Industry During the Iraqi Invasion of Kuwait,”

*American Economics Association Meetings, Anaheim, CA, 1/95.*

Discussion of Carla Gomes's “Treatment Effects of Selection Behavior in Managed Care Plans,”

*10<sup>th</sup> Biennial Conference on the Economics of Mental Health, National Institutes of Mental Health, Washington, DC, 9/00*

“Vertical Integration by Hospitals,” Annual Meetings of the American College of Emergency Physicians, San Diego, CA, 10/98

**PROFESSIONAL ASSOCIATIONS:**

American Economics Association  
Econometric Society  
International Health Economics Association  
AcademyHealth  
American Society for Health Economists (Member: Scientific Committee: 2007-Present).

**REFERRING SERVICE:**

*Review of Economics and Statistics*

*American Economic Review*

*Journal of Political Economy*

*Review of Economic Studies*

*RAND Journal of Economics*

*International Journal of Industrial Organization*

*Journal of Applied Econometrics*

*Journal of Economics and Management Science*

*Medical Care*

*Journal of Health Economics*

*Health Services Research*

*The Economics of Transition*

*Journal of Industrial Economics*

*Contemporary Economic Issues*

*Canadian Economics Review*

*Federal Reserve Bank of New York Economic*

*Policy Review*

*Milbank Quarterly*

*Inquiry*

*Econometrica*

*American Journal of Managed Care*

*American Economic Journal: Economic*

*Policy*

### **COURSES TAUGHT:**

*PhD Industrial Organization, University of Texas-Austin, Fall 2016-present*

*PhD Health Economics, University of Texas-Austin, Spring 2017, Fall 2018.*

*Medical Devices, The Wharton School, MBA Course, Fall 2011-2015.*

*PhD Industrial Organization/Health Markets, The Wharton School, Fall 2012-2016.*

*PhD Health Economics, The Wharton School, Spring 2013-2016.*

*Health Economics II, (Advanced Ph.D. Health Economics), Division of Health Policy and Management, University of Minnesota, Spring 2006, 2008, 2010.*

*Topics in Health Economics, (M.H.A. Health Economics), H Division of Health Policy and Management, University of Minnesota, Fall 2005, 2006, 2007, 2008, 2009 (2 sections – one on-line).*

*Health Economics I, (Ph.D. Health Economics), Division of Health Policy and Management, University of Minnesota, Spring 2002-2004*

*Medical Technology Evaluation and Market Research, (MHA/MBA), HSRP/Carlson School of Management, University of Minnesota, Spring 2004-2010.*

*Microeconomics for Management for Full-time MBA Students, UCI: Fall 1996; Fall 1997 (2 sections); Fall 1999 (2 sections); Fall 2000 (3 sections), Fall 2001 (3 sections).*

*Microeconomics for Management for Fully Employed, UCI, Executive MBA Students: Winter 1997; Winter 1998 (2 sections); Winter 1999 (2 sections).*

*Economics of Strategy, UCI: Spring 1997; Spring 1999; Spring 2000.*

**Ph.D. DISSERTATION ADVISING:**

Daria Pus, “Essays on Competition in the Freight Railroad Industry,” Committee Member, University of Texas-Austin, 2019.

Fang-Chang Kuo, “Essays on Investment in the Hotel Industry,” Committee Member, University of Texas-Austin, 2019.

Garrett Hagemann, “Essays in Nonlinear Pricing,” Committee Member, University of Texas-Austin, 2018.

Austin Bean, “Essays in Health Economics,” Committee Member, University of Texas-Austin, 2018.

Zahra Mohammadi, “Essays in Health Economics” Committee Member, University of Pennsylvania, 2018.

Yaran Yin, “Essays on Regulations in the Electricity Industry,” Committee Member, University of Texas-Austin, 2017.

Carlos Herrera, “Counterfactual Analysis of Compulsory Unitization as a Solution to the Common Pool Problem in the Oil and Gas Industry,” Committee Member, University of Texas-Austin, 2017.

Boris Vabson, “Essays in Health Economics and Public Finance” University of Pennsylvania, Thesis Advisor, 2015.

Aditi Sen, “The Effects of Physician Organization on the Disadoption of Low-Value Service: Evidence from PSA Testing and Mammography,” University of Pennsylvania, Thesis Advisor, 2015.

Daniel Sacks, “Physician Agency, Compliance and Patient Welfare: Evidence from Anti-Cholesterol Drugs,” University of Pennsylvania, Committee Member, 2014.

Eric Barrette, “Impact of Information Technology on Patient Choice,” Thesis Advisor, Division of Health Policy and Management, University of Minnesota, 2011.

Christina Marsh, “Estimating the Elasticity of Medical Care Demand,” Thesis Co-Advisor, Department of Economics, University of Minnesota, 2010.

Lindsay Bockstedt Santiago, “The Effect of Medicare's New Technology Add-on Payment,” Thesis Advisor, Division of Health Policy and Management, University of Minnesota, 2010.

Ranjan Banerjee, “Three Essays on the Application of Multi-tasking in Marketing Channels,” Committee Member, Department of Marketing, University of Minnesota, 2010

Julia Thorton Snider “Essays in Pharmaceutical Economics,” Committee Member, Department of Economics, University of Minnesota, 2010

Connan Snider, “Essays in Industrial Organization,” Committee Member, Department of Economics, University of Minnesota, 2010.

Daniel Miller, “Subcontracting and Competitive Bidding on Incomplete Procurement Contracts,” Committee Member, Department of Economics, University of Minnesota, 2009.

Yungwon Yeo, “Two Essays on FCC Spectrum Auctions,” Committee Member, Department of Economics, University of Minnesota, 2009.

Jia Yuan, “Two Essays on Sponsored Search Auctions,” Committee Member, Department of Economics, University of Minnesota, 2009.

Nathlan Barleen, “The Effect of Health Insurance Coverage on Workers’ Compensation Claim Filing Behavior,” Committee Member, Division of Health Policy and Management, University of Minnesota, 2008.

Jinxiong Li, “Academic Couples and the Economics of the Co-location Problem,” Committee Member, Department of Economics, University of Minnesota, 2008.

Caroline Carlin, “Health Plan Choice, Adverse Selection and Optimal Premiums”, Thesis Advisor, Division of Health Policy and Management, University of Minnesota, 2006.

Sanghoon Lee, Ph.D. “Two Essays in Applied Microeconomics,” Committee Member, Department of Economics, University of Minnesota, 2005.

Holly Rodin, Ph.D. “Increasing the Supply of Certified Nursing Assistants,” Committee Member, Division of Health Policy and Management University of Minnesota, 2005.

Louise Anderson, Ph.D. “Health Care Utilization and Expenditure Associated with Physical Activity and Weight,” Committee Member, Division of Health Policy and Management University of Minnesota, 2005.

Yungie Song, Ph.D. “Determinants of the Administrative Costs of HMOs,” Committee Member, Division of Health Policy and Management University of Minnesota, 2005.

**PROFESSIONAL/UNIVERSITY SERVICE:**

CBO Technical Review Panel for the Health Insurance Simulation Model, 2018-present

Awards Committee, ASHEcon, 2014-Present

Israel Science Foundation, Grant Reviewer, 2018

National Science Foundation, Grant Reviewer, 2008-Present

Program Chair, Competition in Health Care Markets, ASHEcon, 2016

Appointments, Promotion and Tenure Committee, School of Public Health, University of Minnesota, 2007-Present

Graduate Committee, AHEC Ph.D. Program, 2006-2007

HSRP Seminar Series, Chair, University of Minnesota, 2004-2005

Computer Committee, HSRP, University of Minnesota, 2005

Awards Committee, School of Public Health, University of Minnesota, 2005-2006

Medical Technology Initiative Committee, Carlson School of Management, University of Minnesota, 2004

National Institute of Aging, Special Grants Review Section. 2003

Research Committee, School of Public Health, University of Minnesota, 2002-2004

Awards Committee, School of Public Health, University of Minnesota, 2005

Master's Committee, Graduate School of Management, UCI, 1997-1998

AACSB Committee, Graduate School of Management, UCI, 1997-1998, 1998-1999, 2000-2001

Computer Committee, Graduate School of Management, UCI, 2000-2001

### **CONSULTING SERVICES:**

Sanford Health, Competitive analysis of merger with Mid-Dakota Clinic, 2017.

State of Virginia, Office of Attorney General, Competitive analysis of Cooperative Agreement between Mountain States Health Alliance and Wellmont Health, 2017.

Steel of West Virginia, Competitive analysis of hospital mergers, 2015.

US Department of Justice, Investigation of American Airlines / US Airlines Merger, 2013.

US Department of Justice, Investigation of Partners Healthcare, 2012.

Federal Trade Commission, *In the matter of ProMedica Health System*, expert testimony in the administrative law proceeding, 2011.

US Department of Justice, Investigation of United Airlines acquisition of Continental Airlines, 2010.

Federal Trade Commission, Investigation of Dartmouth-Hitchcock/ Catholic Health System affiliation, 2010.

Federal Trade Commission, Investigation of merger of Maine Medical Center/Maine Cardiology Associates/Cardiovascular Consultants of Maine. 2009.

Federal Trade Commission, Investigation of Scott-White's acquisition of King's Daughter Hospital, 2009.

Federal Trade Commission, Investigation of Carillion Health Systems, 2009.

US Department of Justice, Investigation of Delta Airline's acquisition of Northwest Airlines, 2008.

Federal Trade Commission, *FTC v. Inova Health Systems*, 2008.

State of Pennsylvania, Office of the Attorney General, Investigation of the merger of Highmark and Independence Blue Cross, 2006.

North Memorial Hospital, Analysis of the Competitive Impact of Hospital Entry in Maple Grove, 2004.

US Department of Justice, Investigation of United Airlines/ US Airlines Merger, 2000-2001

### **TRIAL TESTIMONY:**

*FTC and State of North Dakota v. Sanford Health, Sanford Bismarck and Mid Dakota Clinic, PC* -- Expert for Defendants.

Report: September 25, 2017

Rebuttal report: October 9, 2017

Deposition: October 20, 2017

Trial Testimony: November 3, 2017

*FTC v. ProMedica Health System, Inc.*, Civ. No. 3:11-000cv-47-DAK (N.D. Ohio 2011) --  
Expert for the FTC

Report: January 12, 2011

Rebuttal report: February 2, 2011

Deposition: February 3, 2011

*In the matter of ProMedica Health System*, administrative law proceeding, FTC Docket No.  
9346 -- Expert for FTC

Expert report: April 12, 2011

Rebuttal report: May 6, 2011

Deposition: May 10, 2011

Testimony: July 18, 2011-July 21, 2011

<b>Name of Grant</b>	<b>Funding Agency</b>	<b>Period of Grant</b>	<b>Role in Grant</b>	<b>Amount</b>
Market Organization Impact on Medical Technology Diffusion: Outcomes and Value	AHRQ	October 2014- October 2017	Investigator	\$512,00
Monitoring the Affordable Care Act by creating publicly available datasets to document variation in characteristics of state marketplaces	Robert Wood Johnson Foundation	October 2014- October 2015	Co-PI	\$322,000
Toward HIX 2.0: Laying the Groundwork to Improve Choice Architecture on the New Health Insurance Exchanges	Sloan Foundation	October 2012 - October 2014	Investigator	\$281,000
Creating a Publicly Available Database on Exchange Characteristics	Robert Wood Johnson Foundation	October 2013 - October 2014	Co-PI	\$150,000
The Impact of Payment Policies on the Cost, Content and Quality of Care	Agency for Healthcare Research and Quality	May 2002 - November 2003	PI	\$249,000
Economic Incentives: Impact on Use/Outcomes of Preventive Health Services	Agency for Healthcare Research and Quality	November 2002 - November 2003	Investigator	\$279,000
Estimating the Impact of Indoor-Air Pollution on Indian Children	Minnesota Medical Foundation	May 2003 - April 2004	PI	\$25,000

December 2020

Assessing the Impact of Managed Care on FFS Medicare Costs	Changes in Healthcare Financing and Organization	January 2004 - December 2004	Investigator	\$99,000
The Economic Burden of Critical Limb Ischemia	United Therapeutics Corp.	January 2004 - May 2004	PI	\$30,000
The Economic Burden of Peripheral Arterial Disease	Vasogen, LLC.	February 2004 - September 2004	PI	\$100,000
Impact of Medicare's Local Medical Review Policies and National Coverage Policies on Utilization of Services	The Robert Wood Johnson Foundation	November 2003 - October 2005	Investigator	\$425,000
The Effect of Hospital Mergers on HMO Hospital Costs and Premiums, 1995-2001	Changes in Healthcare Financing and Organization	March 2004 - February 2005	PI	\$99,000
Welfare and the Optimal Public Subsidy for Medicare HMOs	University of Minnesota	September 2008 - May 2009	PI	\$28,000
The Costs and Benefits of Health Information Technology: The Impact of Computerized Physician Order Entry	Changes in Healthcare Financing and Organization	August 2008 - August 2010	Investigator	\$299,000
The Economics and Psychology of Deductibles and the Coverage Gap in Medicare Part D	Medical Industry Leadership Institute	October 2009 - September 2010	PI	\$19,299
Hospital Choice, Hospital Quality and Patient Welfare for Rural Residents	AHRQ	August 2010- July 2012	Investigator	\$577,000