

# GUY DAVID

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## **PROFESSIONAL APPOINTMENTS**

- 2019 – Gilbert and Shelley Harrison Professor, Health Care Management Department. Wharton School of Business, University of Pennsylvania, Philadelphia, PA.
- Director of the Health Care Management Doctoral Program, 2013 –
- 2019 – Professor, Health Policy and Medical Ethics, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA.
- 2014 – 2019 Associate Professor, Health Policy and Medical Ethics, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA.
- 2014 – Editor-in-Chief, *International Journal of Health Economics and Management*.
- 2013 – Associate Editor, *American Journal of Health Economics*.
- 2013 – Research Associate, Health Care Program, National Bureau of Economic Research.
- 2013 – Director of the Health Care Management Doctoral Program.
- 2012 – Gilbert and Shelley Harrison Associate Professor (with tenure), Health Care Management Department. Wharton School of Business, University of Pennsylvania, Philadelphia, PA.
- 2010 – 2013 Faculty Research Fellow, Health Care Program, National Bureau of Economic Research.
- 2004 – Senior Fellow, the Leonard Davis Institute of Health Economics, University of Pennsylvania, Philadelphia, PA.
- Director of Education, 2013 – 2019
  - Academic Director, Physician Leadership Academy, Wharton Exec Education, 2015 –
- 2004 - 2012 Assistant Professor. Health Care Management Department. Wharton School of Business, University of Pennsylvania, Philadelphia, PA.
- 1998 – 1999 Researcher, Health Economics Unit, The Gertner Institute For Epidemiology and Health Policy Research, Sheba Medical Center, Tel-Hashomer, Israel.

## **EDUCATION**

- Ph.D., Economics, University of Chicago, Graduate School of Business, Chicago, IL, June 2004
- M.A., Economics, Tel-Aviv University, Tel Aviv, Israel, June 1997, *Magna Cum Laude*
- B.A., Economics, Tel-Aviv University, Tel Aviv, Israel, June 1995, *Magna Cum Laude*

## **JOURNAL ARTICLES AND PUBLICATIONS**

### **Publications in Economics Journals**

1. "Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?" (with Cory Capps and Dennis Carlton), Forthcoming in *Economic Inquiry*.
2. "Do Payor Based Outreach Programs Reduce Medical Cost and Utilization?" (with Benjamin Ukert and Aaron Smith-McAllen), Forthcoming in *Health Economics*.
3. "The Effect of Predictive Analytics-Driven Interventions on Healthcare Utilization?", (with Aaron Smith-McAllen and Benjamin Ukert), *Journal of Health Economics*. 2019, Vol. 64, pp. 68-79.
4. "The Impact of Patient-Centered Medical Homes on Medication Adherence?", (with Philip Saynisch, Spencer Laster, Aaron Smith-McAllen and Ravi Chawla), *Health Economics*. 2018, Vol. 27(11), pp. 1805-1820.
5. "Does Bad News Travel Faster? On the Determinants of Medical Technology Abandonment", (with Julie Berez, David Howard, and Mark Neuman), *Journal of Human Capital*. Winter 2018, Vol. 12(4), pp. 569-603.
6. "The Effect of Discontinuous Post-Acute Care on Hospital Readmissions", (with Kunhee Kim), *Journal of Health Economics*. 2018, Vol. 59, pp. 26-45.
7. "The Economics of Patient-Centered Care", (with Philip Saynisch and Aaron Smith-McAllen), *Journal of Health Economics*. 2018, Vol. 59, pp. 60-77.
8. "Selective Hearing: Physician-Ownership and Physicians' Response to New Evidence." (with David Howard and Jason Hockenberry), *Journal of Economics and Management Strategy*. Spring 2017, Vol. 26:1, pp: 152-168.
9. "Do Hospitals Cross Subsidize?" (with Rich Lindrooth, Lorens Helmchen, and Rob Burns), *Journal of Health Economics*. September 2014, Vol. 37, pp 198-218.
10. "The Effect of Entry Regulation in the Health Care Sector: the Case of Home Health" (with Dan Polsky, Jianing Yang, Bruce Kinosian, and Rachel Werner), *Journal of Public Economics*. February 2014, Vol. 110, pp. 1-14.
11. "The Effect of Regulated Competition on Pharmaceutical Advertising and Promotion" (with Sara Markowitz), *Eastern Economic Journal*. 2015, Vol. 41, pp. 24-39.
12. "Integration and Task Allocation: Evidence from Patient Care." (with Evan Rawley and Dan Polsky), *Journal of Economics and Management Strategy*. Fall 2013, Vol. 22(3), pp. 617-639.
13. "Affording to Wait: Medicare Initiation and the use of Health Care" (with Mark Neuman, Victoria Perez and Phil Saynisch), *Health Economics*. August 2012, Vol. 21(8), pp. 1030-1036.

14. "The Effect of Shift Structure on Performance" (with Tanguy Brachet and Andrea Drechsler), *American Economic Journal – Applied Economics*, April 2012, Vol. 4(2), pp. 219-246.
15. "On the Determinants of Organizational Forgetting." (with Tanguy Brachet), *American Economic Journal – Microeconomics*, August 2011, Vol. 3(3), pp. 100-123.
16. "Physician Division of Labor and Patient Selection for Outpatient Procedures." (with Mark Neuman), *Journal of Health Economics*. March 2011, Vol. 30(2), pp. 381-391.
17. "The Role of Task Adhesion in Limiting Specialization along the Medical Care Continuum." (with Lorens Helmchen), *Review of Labour Economics and Industrial Relation*, 2011, Vol. 25(1), pp. 24-44.
18. "Ownership Mix of Addiction Treatment Centers in the U.S." (with Margo Lederhandler and Victoria Perez), *International Journal of Services, Economics and Management.*, 2011, Vol. 3(3), pp. 267-280.
19. "The Effects of Pharmaceutical Marketing and Promotion on Adverse Drug Events and Regulation." (with Sara Markowitz and Seth Richards-Shubik), *American Economic Journal – Economic Policy*, November 2010, Vol. 2(4), pp 1-25 (lead article).
20. "Population Density and Racial Differences in the Performance of Emergency Medical Services." (with Scott Harrington), *Journal of Health Economics* , July 2010, Vol. 29(4), pp. 603-615.
21. "The Formation of Peer Reputation among Physicians and its Effect on Technology Adoption." (with Amol Navathe), *Journal of Human Capital*, 2009, Vol. 3(4), pp. 289-322.
22. "The Convergence between Nonprofit and For-Profit Hospitals in the United States." *International Journal of Health Care Finance and Economics*, December 2009, Vol. 9(4), pp. 403-428.
23. "Trends in Hospital Ownership Type and Capacity: A Decomposition Analysis." *Nonprofit and Voluntary Sector Quarterly*, April 2010, Vol. 39(2), pp. 356-370.
24. "The Determinants of Public versus Private Provision of Emergency Medical Services." (with Arthur Chiang), *International Journal of Industrial Organization*, March 2009, Vol. 27(2), pp. 312-319.
25. "Does Advanced Medical Technology Encourage Hospitalist Use and Their Direct Employment by Hospitals?" (with Lorens Helmchen and Robert Henderson), *Health Economics*, February 2009, Vol. 18(2), pp. 237-247.
26. "Does Non-Profit Status Signal Quality?" (with Anup Malani), *Journal of Legal Studies*, June 2008, Vol. 37 (2) Part 1, pp. 551-576.
27. "The Choice of Employment Arrangement in the Market for Hospitalist Services." (with Lorens Helmchen), *Southern Economic Journal*, January 2007, Vol. 73 (3), pp. 604-622.
28. "An Uncertain Prescription: Are Tax Exemptions for Nonprofit Hospitals an Efficient Way to Fund Indigent Care?" (with Lorens Helmchen), *Regulation*, June 2006, Vol. 29 (2), pp. 14-16.

29. “Interactions between Hired Labor and Members’ Jobs Outside the Kibbutz“ *The Economic Quarterly*, December 1999, pp. 698–714 [*Hebrew*]

### **Publications in Clinical and Health Journals**

30. “Do Informal Caregivers Reduce Health Care Utilization and Cost?” (*with* Caroline Carlin), *The Permanente Journal*, Summer 2019, Vol. 23(3), pp. 4-10.
31. “Geographic Modeling to Quantify the Impact of Primary and Comprehensive Stroke Center Destination Policies” (*with* Michael Mullen, William Pajerowski, Steven Messé, Crawford Mechem, Judy Jia, Michael Abboud, Brendan Carr, and Roger Band), *Stroke*, 2018, Vol. 49, pp. 1021-1023.
32. “Iso-Osmolar Contrast Media and Adverse Renal and Cardiac Events after Percutaneous Cardiovascular Intervention”, (*with* Peter McCullough, Candace Gunnarsson and Michael Ryan), *Journal of Comparative Effectiveness Research*, Nov 2017, Vol. 7(4), pp. 331-341.
33. “Systemic Opioid Elimination after Implantation of an Intrathecal Drug Delivery System.” (*with* Candace Gunnarsson), *Neuromodulation*.18(3):207-213, 2015
34. “Similar Patient Outcomes yet Different Hospital Costs between Flowable Hemostatic Agents”(with Sangtaeck Lim, Candace Gunnarsson, Richard Kocharian and Sanjoy Roy), *Journal of Medical Economics*, 2015, Vol. 18(9), pp. 735–745.
35. “Do Patient-Centered Medical Homes Reduce Emergency Department Visits?” (*with* Philip Saynisch, Somesh Nigam, and Candace Gunnarsson), *Health Services Research*. 50:2, pp. 418-439, April 2015. [winner of the 2016 John M. Eisenberg Article-of-the-Year Award]
36. “Variations in Care: A Retrospective Database Analysis of Healthcare Utilization Patterns for Patients with Inflammatory Bowel Disease.” (*with* Candace Gunnarsson and Jennifer Lofland), *Journal of Medical Economics*, 2015, Vol. 18(2), pp. 137–144.
37. “Effects of Patient Annual Adherence of Biologics on Healthcare Resource Utilization for Patients with Inflammatory Bowel Disease.” (*with* Jennifer Lofland and Peter Mallow), forthcoming in *Gastroenterology*.
38. “The Role of Overweight and Obesity in Explaining the More Rapid Growth in Total Knee than Total Hip Arthroplasty Volumes.” (*with* Peter Derman), *The Journal of Bone and Joint Surgery*, Vol. 96-A (11), 2014.
39. “The Effects of Catheter Ablation Therapy on Medication Use and Expenditures in Patients with Atrial Fibrillation” (*with* Candace Gunnarsson, Jaime March, Steven Hao, and Matthew Reynolds), *Journal of Health Economics and Outcomes Research*, 2(1): pp. 15-28, 2014.
40. “Switching from Multiple Daily Injections to Pump: Insulin Costs in Type 2 Diabetes” (*with* Candace Gunnarsson, Jeffrey Shafiroff, and Steve Edelman), *American Journal of Managed Care*, 20(11): pp. 490-497, 2014.

41. "Pharmacy Cost of Managing Anemia among Patients Receiving Chronic Hepatitis C Therapy." (with Neeta Tandon, Michael Ryan, and Candace Gunnarsson), *Medical Decision Making*. 34(2): pp. E95, 2014.
42. "Rheumatoid Arthritis and Total Hip and Knee Replacement: Impact of Biologics" (with Neeta Tandon and Candace Gunnarsson), *American Journal of Pharmacy Benefits*, 6(6): pp. 256-264, 2014.
43. "The Impact of Complications Following Open Colectomy on Hospital Finances: A Retrospective Cohort Study" (with David Flynn, Rebecca Speck, Najjia Mahmoud and Lee A Fleisher), *Perioperative Medicine*, 2014, Vol. 3(1), pp 1-9.
44. "Side Effects of Competition" (with Sara Markowitz and Bill Pajeroski), *Harvard Health Policy Review*, Spring 2013 Volume 14(1), pp 8-11.
45. "Comparative Effectiveness of Long-Term Acute Care Hospitalization in Chronic Critical Illness." (with Jeremy Kahn, Rachel Werner, and David Asch), *Medical Care*, January 2013, Vol. 51(1), pp 4-10.
46. "Surgeon's Volume-Outcome Relationship for Lobectomies and Wedge Resections for Cancer" (with Candace Gunnarsson and Matt Moore), *Minimally Invasive Surgery*, 2012, Vol. 2012, pp 1-12.
47. "Economic Measurement of Medical Errors Using a Hospital Claims Database." (with Harold Kaplan, and Candace Gunnarsson), *Value in Health*. 2013, Vol.16(2), pp 305-310
48. "Medical and Financial Costs Associated with Surgery in the Elderly Obese" (with Jeffrey Silber, Paul Rosenbaum, and Lee Fleisher), *Annals of Surgery*, July 2012, Vol. 256(1), pp 79-86.
49. "Health Care Utilization and Expenditures in Patients after Catheter Ablation for Atrial Fibrillation" (with Joseph Ladapo, Candace Gunnarsson, and Matthew Reynolds), *Journal of Cardiovascular Electrophysiology*, January 2012, Vol. 23(1), pp 1-8.
50. "The Changing Geography of Outpatient Procedures: Evidence from Florida." (with Mark Neuman, Jeffrey Silber, Sanford Schwartz and Lee Fleisher), *Medical Care Research and Review*, April 2011, Vol. 68(2), pp 247-258.
51. "Strategic Response by Providers to Specialty Hospitals, Ambulatory Surgery Centers, and Retail Clinics." (with Rob Burns and Lorens Helmchen), *Population Health Management*, April 2011, Vol. 14(2) pp.69-77.
52. Ladapo JA, David G, Gunnarsson CL, Hao S, White S, March J, Zhang M, Reynolds M. "Reduction in Healthcare Utilization and Expenditures in Patients Treated with Catheter Ablation for Atrial Fibrillation (AF) in the United States. *Value in Health*. 2011, Vol. 14(3).

53. "Hospitalist Efficiency Decomposed: A Qualitative and Quantitative Study." (with Linda Dynan, Rebecca Stein, Laura Kenny, Amy Short and Mark Eckman), *Medical Care Research and Review*, December 2009, Vol. 66(6), pp 682-702.
54. "Retention, Learning by Doing, and Performance in Emergency Medical Services." (with Tanguy Brachet), *Health Services Research*, June 2009, Vol. 44(3), pp 902-925.
55. "The Time Cost of Prehospital Intubation and Intravenous Access in Trauma Patients." (with Brendan Carr, Tanguy Brachet, Reena Duseja and Charlie Branas), *Prehospital Emergency Care*, July 2008, Vol. 12 (3), pp. 327-332.
56. "The Determinants of Urban Emergency Medical Services Privatization." (with Arthur Chiang and Michael Housman), *Critical Planning*, June 2006, Vol. 13, pp 5-22.

### **BOOK CHAPTERS**

57. "Physicians' Financial Incentives to Personalize Medicine" (with David Howard and Jason Hockenberry) in Economic Dimensions of Personalized and Precision Medicine, Ernst Berndt, Dana Goldman, and John Rowe, Editors, National Bureau of Economic Research, 2019, pp. 217-236.
58. "Hospitalists" (with Lorens Helmchen) and "Economies of Scale" (with Tanguy Brachet), Encyclopedia of Health Services Research, edited by Ross M. Mullner. SAGE Publications, 2009, Vol. 1, pp. 331-333 and pp. 614-618.
59. "Theories of Firm Behavior in the Non-Profit Sector: A Synthesis and Empirical Evaluation" (with Anup Malani and Tomas Philipson) in The Governance of Not-for-Profit Firms, Edward L. Glaeser, Editor, National Bureau of Economic Research, 2003, pp. 181–216.
60. "The Economics of Home Health Services" (with Dan Polsky), Encyclopedia of Health Economics, Anthony Culyer, Editor, Elsevier Inc.
61. "Differences in Physician Earnings across Specialties" (with Sean Nicholson and Henry Bergquist), Encyclopedia of Health Economics, Anthony Culyer, Editor, Elsevier Inc.

### **WORKING PAPERS**

62. "The Provision of Charity Care by Nonprofit Hospitals" (with Robert Nathenson and Angela Chen), Under Revision, *Medical Care Research and Review*.
63. "Access to Unscheduled Care across the Continental United States: Primary Care Clinics, Retail Clinics, Urgent Care Clinics, and Emergency Departments" (with Ari Friedman and Brendan Carr), Under Revision, *Medical Care Research and Review*.
64. "The Effect of Home Health Visit Length on Hospital Readmissions" (with Elena Andreyeva and Hummy Song), Under Revision for *Management Science*

65. “The Impact of Relative Skill on Technology Disadoption” (*with* Bingxiao Wu) Under Review
66. "The Impact of a Large Payment Cut on the Use of Costly Technology" (*with* David Howard and Jason Hockenberry) Under Review
67. “Practice Variation across In-Hospital Practice Settings” (*with* Lynda Dynan, Rebecca Stein, and Evan Feldstein), Under Review
68. “The Effect of Predictive Analytics-Driven Interventions on Healthcare Utilization?”(*with* Benjamin Ukert, and Aaron Smith-McAllen), Under Review

### **WORK IN PROGRESS**

69. “On the Determinants and Consequences of Retainer-Based Medicine.” (*with* Adam Leive and Molly Candon)
70. “Understanding the Implementation of Reorganization in Primary Care” (*with* Phil Saynisch)
71. “Indirect Effects of Introducing Performance Pay for Hospitals: Evidence from Post-Acute Care” (*with* Kunhee Kim and Atul Gupta)
72. “On the Value of Primary Care Prevention”(with Benjamin Ukert and Scott Harrington)
73. “The Effect of Competition on Service Coverage” (*with* Elena Andreyeva and Rachel Werner)
74. “Maryland Hospital Global Budget Model and Physician-Hospital Alignment” (*with* Lindsey Patterson)
75. “The Intended and Unintended Effects of Regionalization of Stroke” (*with* Lindsey Patterson and Mike Mullen)
76. “Selection and the Volume-Outcome Relationship in Obstetrics” (*with* Angela Fertig and Caroline Carlin)
77. “The Effectiveness of Payer-Physician Contracts under Imperfect Member Attributions” (*with* Scott Harrington and Andrea DeVries)
78. “The Determinants of Nurse Turnover in Critical Access Hospitals” (*with* Molly Candon)
79. “Adverse Selection in Individual Health Insurance Markets” (*with* Karen Zhang and Ezra Fishman)

## **COURSES TAUGHT**

- 2017 - WH 101: *Business and You*, Wharton, University of Pennsylvania (Undergrad)
- 2012 - HCMG 900-002: *Proseminar in Health Services Research: Models and Methods*, Wharton, University of Pennsylvania (Ph.D.)
- 2005 - 2020 HCMG 852/HCMG 352: *Healthcare Services Delivery: A Managerial Economic Approach*, Wharton, University of Pennsylvania (MBA & WEMBA)
- 2016 - 2017 HCMG 202/ECON 039: *Health Economics*, Wharton, University of Pennsylvania (Undergrad)
- 2005 - 2014 HCMG 302/ECON 236: *The Economics and Financing of Health Care Delivery*, Wharton, University of Pennsylvania (Undergrad)
- 2005 – 2009 HCMG 903: *The Economics of Health Care and Policy*, Wharton, University of Pennsylvania (Ph.D.)
- 2002 – 2004 *Introduction to Industrial Organization*, Economics, University of Chicago (Undergrad)
- 2001 – 2002 *Elements of Economic Analysis II*, Economics, University of Chicago (Undergrad)
- 1998 – 1999 *Microeconomics*, School of Economics, Tel-Aviv University (Undergrad)
- 1997 – 1999 *Microeconomics*, Academic College of Tel-Aviv-Yaffo (Undergrad)
- 1997 – 1998 *Economics*, School of Management, Tel-Aviv University (Undergrad)

## **TEACHING ASSISTANCE EXPERIENCE**

- 2000 – 2003 Advanced Microeconomics, MBA program, Graduate School of Business, University of Chicago
- 2001 – 2003 Human Capital and Inequality, Ph.D. program, Department of Economics, University of Chicago
- 2001 – 2002 Industrial Organization, Ph.D. program, Graduate School of Business, University of Chicago.
- 2001 – 2002 Health Economics, Ph.D. program, Department of Economics, University of Chicago.
- 2000 – 2001 Health Economics, MPP program, School of Public Policy, University of Chicago.
- 2000 – 2001 Microeconomics, Executive MBA program, Graduate School of Business, University of Chicago.
- 1997 – 1998 Microeconomics, Executive MBA program, School of Business, Tel-Aviv University.
- 1997 – 1998 Graduate Course in Industrial Organization, School of Economics, Tel-Aviv University.
- 1996 – 1997 Price Theory, School of Economics, Tel-Aviv University.

## **GRANTS AND AWARDS**

- 2017 Teaching Commitment and Curricular Innovation Award
- Principal Investigator, “Maryland Hospital Global Budget Model and Physician-Hospital Alignment”, Rodney L. White Center for Financial Research 2017, Award \$6,700
- Principal Investigator, “Understanding the Implementation of Reorganization in Primary Care”, Mack Institute Research Fellowship 2017, Award \$6,500
- Principal Investigator, “The Effect of Competition on Service Coverage”, Wharton Center for Health Management and Economics, 2016-17, Award \$10,000
- 2016 John M. Eisenberg Article-of-the-Year Award in Health Service Research
- 2014 University of Pennsylvania, Wharton School Excellence-in-Teaching Award for the Undergraduate Division.



- Principal Investigator, “On the Determinants and Consequences of Retainer-Based Medicine,” Leonard Davis Institute of Health Economics Pilot Project Program, November 2013 – December 2014, Award \$18,000.
- CO-Principal Investigator, “The Intended and Unintended Effects of Regionalization of Stroke,” Leonard Davis Institute of Health Economics Pilot Project Program, November 2013 – December 2014, Award \$20,000.
- Principal Investigator, “The Role of Peer Effects in Technology Abandonment” The Wharton Dean’s Research Fund, June 2012 – July 2014, Award \$10,000.
- CO-Principal Investigator, “Social Capital, Information Technology and Network Formation: Evidence from Pediatrician’s Referrals,” Wharton Interactive Media Initiative, January 2010, Award \$5,000.
- CO-Principal Investigator, “In Hospital Network Formation: The Importance of Team Work on the Efficiency Gains of Hospitalists”, Leonard Davis Institute of Health Economics Pilot Project Program, November 2009 – December 2010, Award \$14,000.
- CO-Principal Investigator, “Patient Selection and Procedural Risk in Ambulatory Surgical Centers”, Leonard Davis Institute of Health Economics Pilot Project Program, November 2009 – December 2010, Award \$15,000.
- Principal Investigator, “Determinants and Consequences of Emergency Medical Services Privatization”, University of Pennsylvania Research Foundation Award, August 2009 - July 2010: Award \$24,325.
- CO-Investigator, “Market Competition and the Quality of Home Health Services”, NIH/NIA/NHLBI July 2008 – June 2011, Award \$327,560
- CO-Principal Investigator, “Effective Response to Market Entry by Specialty Hospitals and Ambulatory Surgery Centers,” Center for Health Management Research (NSF – funded research center), June 2007 - July 2008, Award \$97,000.
- CO-Principal Investigator, “The Organization of Emergency Medical Services for Improved Public Health”, Leonard Davis Institute of Health Economics Pilot Project Program, June 2007 – July 2008, Award \$14,000.
- Principal Investigator, “The Economics of Specialization in Hospital Medicine”, University of Pennsylvania Research Foundation Award, March 2006 - April 2007: Award \$19,898.
- Wharton Center for Health Management and Economics 2004-05, 2005-06.
- Merck Co. Foundation 2006 - 2009.
- National Bureau of Economic Research Dissertation Fellowship Award 2003-04.
- Dissertation Fellowship Award 2003-04, Graduate School of Business, University of Chicago.
- University of Chicago GSB Fellowship, 1999 – 2003.
- Fishelson Prize 1998, the Eitan Berglas School of Economics, Tel-Aviv University.
- Scholarship from the Research and Documentation Center of the United Kibbutz Movement, 1998.
- Scholarship - Faculty of Social Sciences, based on merit for being cited on the Dean’s list for academic achievements in the academic year 1995/96.
- Honor Diploma - Faculty of Social Sciences, for being cited on the Dean’s list for academic achievements in the academic year 1994/95.

## **SERVICE**

- Wharton Dean's Advisory Committee 2016 – 2018
- Wharton Executive Education Committee 2016 – 2018
- Wharton Health Care Management Doctoral Committee, Chair, 2013 – 2018
- Wharton Executive MBA Committee, Member, 2012/2013
- Penn Undergraduate Research Mentoring Program, Mentor 2012/2013 and 2013/2014
- Wharton Undergraduate Research Scholars (WURS) program, Mentor, 2005 – 2011
- Wharton Undergraduate Curriculum Committee, Member 2005/2006 and 2006/2007
- LDI Executive Committee, Member, 2005 – 2015
- The Center for Outcomes Research, search committee Member, 2005/2006 and 2006/2007
- LDI SUMR scholars program, Speaker and Mentor, 2006 – 2015

## **REFEREEING ACTIVITY**

*American Economic Review*  
*Journal of Political Economy*  
*Quarterly Journal of Economics*  
*American Economic Journal – Applied Economics*  
*American Economic Journal – Economic Policy*  
*Review of Economics and Statistics*  
*International Journal of Industrial Organization*  
*B.E. Journal of Economic Analysis & Policy*  
*Journal of Law, Economics and Organization*  
*International Journal of Health Care Finance & Economics*  
*Journal of Policy Analysis and Management*  
*Review of Economics of the Household*  
*Journal of Substance Abuse Treatment*

*Journal of Law and Economics*  
*Journal of Health Economics*  
*Journal of Labor Economics*  
*Journal of Public Economics*  
*Journal of Human Capital*  
*Journal of Economic Theory*  
*Health Economics*  
*Southern Economic Journal*  
*Review of Law and Economics*  
*Health Services Research*  
*Health Policy*  
*Annals of Internal Medicine*  
*Health Affairs*

## **PROFESSIONAL AFFILIATIONS**

American Economic Association  
National Bureau of Economic Research  
International Health Economics Association  
American Society of Health Economists  
The Econometric Society  
The Leonard Davis Institute of Health Economics

## **INVITED PRESENTATIONS**

- George Washington University, Public Health School, November 2019, Washington DC, “The Impact of Relative Skill on Technology Disadoption”
- University of California San Francisco, Public Health School, October 2019, San Francisco, CA, “The Impact of Relative Skill on Technology Disadoption”
- Hunter College, Economics Department, October 2019, New York, NY, “The Impact of Relative Skill on Technology Disadoption”
- University of Miami, School of Business Administration, Health Sector Management and Policy Seminar, November 2017, Miami, FL, “The Inner-Workings of the Patient-Centered Medical Home Model”
- Becker-Friedman Institute, The Health Sector and the Economy 2017 Conference, University of Chicago, October 2017, Chicago, IL. “The Inner-Workings of the Patient-Centered Medical Home Model”
- Boston University, Questrom School of Business, October 2017, Boston, MA. “The Inner-Workings of the Patient-Centered Medical Home Model”
- UC Denver, September 2017, Denver, CO. “The Inner-Workings of the Patient-Centered Medical Home Model”
- University of Pennsylvania, Center for Health Care Innovation, September 2017, Philadelphia, PA. “The Effect of Workforce Assignment on Performance: Evidence from Home Health Care”

- International Health Economics Association World Congress, July 2017, Boston, MA. “The Effect of Discontinuous Post-Acute Care on Hospital Readmissions”
- Texas A&M University, December 2016, College Station, TX. “The Inner-Workings of the Patient-Centered Medical Home Model”
- Annual Health Economics Conference, October 2016, Nashville, TN. “The Effect of Discontinuous Post-Acute Care on Hospital Readmissions”
- University of Connecticut, October 2016, Storrs, CT. “The Inner-Workings of the Patient-Centered Medical Home Model”
- IDC, June 2016, Herzelia, Israel. “The Inner-Workings of the Patient-Centered Medical Home Model”
- Annual Health Economics Conference, October 2015, Athens, GA. “The Inner-Workings of the Patient-Centered Medical Home Model”
- University of Illinois at Chicago, March 2015, Chicago, IL. “Innovation in Primary Care”
- The 10<sup>th</sup> Annual Southeastern Health Economics Study Group Conference, October 2014, Tallahassee, FL. “Does Bad News Travel Fast? On the Determinants of Medical Technology Abandonment”
- The American Society of Health Economists Meetings, June 2014, Los Angeles, CA. “Do Patient-Centered Medical Homes Reduce Emergency Department Utilization.”
- Harvard University, Department of Health Care Policy, June 2014, Boston, MA. “Do Hospitals Cross Subsidize?”
- Columbia University, May 2014, New York, NY. “Do Patient-Centered Medical Homes Reduce Emergency Department Utilization?”
- American Economic Association Annual Meetings, January 2014, Philadelphia, PA. “Do Patient-Centered Medical Homes Reduce Emergency Department Utilization.”
- The Southern Economic Association meetings, November 2013, Tampa, FL. “Do Hospitals Cross Subsidize?”
- The 9<sup>th</sup> Annual Southeastern Health Economics Study Group Conference, October 2013, Baltimore, MD. “Do Patient-Centered Medical Homes Reduce Emergency Department Utilization.”
- University of Rochester, Simon School of Business, E & M Seminar, May 2013, Rochester, NY. “Antitrust Treatment of Nonprofits Hospitals and Cross Subsidization.”
- University of Alabama at Birmingham, School of Public Health, April 2013, Birmingham, AL. “Do Patient-Centered Medical Homes Reduce Emergency Department Utilization.”
- New York University, School of Law, Colloquium on Innovation Policy, March 2012, New York City, NY. “Side Effects of Competition: the Role of Advertising and Promotion in Pharmaceutical Markets.”
- Vanderbilt University, Economics Department, January 2012, Nashville, TN. “Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?”
- RAND, January 2012, Santa Monica, CA. “Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?”

- UC Irvine, December 2011, Irvine, CA. “On the Determinants of Organizational Forgetting.”
- Georgia State University, November 2011, Atlanta, GA. “On the Determinants of Organizational Forgetting.”
- Georgia Tech, November 2011, Atlanta, GA. “On the Determinants of Organizational Forgetting.”
- The 38th Annual Northeast Business and Economics Conference, November 2011, Philadelphia, PA. “Side Effects of Competition: the Role of Advertising and Promotion in Pharmaceutical Markets.”
- University of Georgia, November 2011, Athens, GA. “Do Hospitals Cross Subsidize?”
- The 9<sup>th</sup> Annual Southeastern Health Economics Study Group Conference, October 2011, Memphis, TN. “Do Hospitals Cross Subsidize?”
- International Health Economics Association 8th World Congress, July 2011, Toronto, Canada. “Integration and Task Allocation: Evidence from Patient Care.”
- Carnegie Mellon University and University of Pittsburgh, May 2011, Pittsburgh, PA. “On the Determinants of Organizational Forgetting.”
- University of Minnesota, April 2011, Minneapolis, MN. “On the Determinants of Organizational Forgetting.”
- RAND, November 2010, Santa Monica, CA. “On the Determinants of Organizational Forgetting.”
- The 8<sup>th</sup> Annual Southeastern Health Economics Study Group Conference, October 2010, Athens, GA. “Asset Ownership, Task Alignment and the Theory of the Firm: Evidence from Patient Care.”
- The American Society of Health Economists Meetings, June 2010, Ithaca, NY. “Asset Ownership, Task Alignment and the Theory of the Firm: Evidence from Patient Care.”
- The American Society of Health Economists Meetings, June 2010, Ithaca, NY. “Does Entry by Single-Specialty Competitors Affect the Provision of Uncontested Services? Evidence from Arizona.”
- The American Society of Health Economists Meetings, June 2010, Ithaca, NY. “The Effect of Shift Structure on Performance: The Role of Fatigue in EMS.”
- The American Society of Health Economists Meetings, June 2010, Ithaca, NY. “Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?”
- The American Society of Health Economists Meetings, June 2010, Ithaca, NY. “The Effects of Pharmaceutical Marketing and Promotion on Adverse Drug Events and Regulation.”
- Rice University, Economics Department, May 2010, Houston, TX. “Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?”
- The 2<sup>nd</sup> HEC Montréal, Industrial Organization of Health Care Conference, April 2010, Montréal, Canada. “Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?”
- National Bureau of Economic Research, March 2010, Boston, MA. “Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?”
- DePaul University, Economics Department, February 2010, Chicago, IL. “Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?”

- UCLA, Pharmaceutical Economics and Policy Seminar, January 2010, Los Angeles, CA. “The Effects of Pharmaceutical Marketing and Promotion on Adverse Drug Events and Regulation.”
- Drexel University, Economics Department, November 2009, Philadelphia, PA. “On the Determinants of Organizational Forgetting.”
- The 7<sup>th</sup> Annual Southeastern Health Economics Study Group Conference, October 2009, Atlanta, GA. “Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?”
- University of Colorado – Denver, Economics Department, September 2009, Denver, CO. “On the Determinants of Organizational Forgetting.”
- Tel-Aviv University, Graduate School of Business, July 2009, Tel-Aviv, Israel. “On the Determinants of Organizational Forgetting.”
- University of Maryland, Baltimore County, April 2009, Baltimore, MD. “Human Capital Accumulation and Forgetting in Emergency Medical Services”
- City University New York, Applied Economics Seminar, December 2008, New York, NY. “Human Capital Accumulation and Forgetting in Emergency Medical Services”
- National Bureau of Economic Research, November 2008, Boston, MA. “The Effects of Pharmaceutical Marketing and Promotion on Adverse Drug Events and Regulation.”
- The 6<sup>th</sup> Annual Southeastern Health Economics Study Group Conference, October 2008, Birmingham, AL. “Organizational Forgetting, Turnover and Skill Decay: The Case of Emergency Medical Services.”
- The American Society of Health Economists Meetings, June 2008, Durham, NC. “The Effects of Pharmaceutical Marketing and Promotion on Adverse Drug Events and Regulation.”
- The American Society of Health Economists Meetings, June 2008, Durham, NC. “The Effect of Emergency Medical Services Privatization on Human Capital Accumulation.”
- The American Society of Health Economists Meetings, June 2008, Durham, NC. “The Role of Surgeon Peer Reputation in the Timing of Technology Adoption.”
- The American Society of Health Economists Meetings, June 2008, Durham, NC. “Effective Response to Market Entry by Specialty Hospitals and Ambulatory Surgery Centers.”
- Center for Health Management Research, May 2008, Chicago, IL. “Effective Response to Market Entry by Specialty Hospitals and Ambulatory Surgery Centers.”
- National Bureau of Economic Research, May 2008, Boston, MA. “Organizational Forgetting, Turnover and Skill Decay: The Case of Emergency Medical Services.”
- Annual Health Economics Conference, March 2008, Chicago, IL. “The Role of Surgeon Peer Reputation in the Timing of Technology Adoption.”
- University of Pennsylvania, School of Medicine, March 2008, Philadelphia, PA. “Retention, Learning-by-Doing and Performance in Emergency Medical Services.”
- George Washington University, March 2008, Washington D.C., “Retention, Learning-by-Doing and Performance in Emergency Medical Services.”

- Queen’s University, November 2007, Kingston, Ontario. “Human Capital Accumulation and Forgetting in Emergency Medical Services.”
- University of Ottawa, November 2007, Ottawa, Ontario. “Retention, Learning-by-Doing and Performance in Emergency Medical Services.”
- International Health Economics Association 6th World Congress, July 2007, Copenhagen, Denmark. “Retention, Learning-by-Doing and Performance in Emergency Medical Services.”
- University of Illinois at Chicago, February 2007, Chicago, IL. “The Determinants of Public versus Private Provision of Emergency Medical Services.”
- American Economic Association Annual Meetings, January 2007, Chicago, IL. ”Specialization along the Medical Care Continuum.”
- Tel-Aviv University, School of Economics, December 2006, Tel-Aviv, Israel. “The Determinants of Public versus Private Provision of Emergency Medical Services.”
- The 4<sup>th</sup> Annual Southeastern Health Economics Study Group Conference, October 2006, Miami, FL. ”Are there Racial Disparities in Emergency Medical Services? Evidence from Mississippi.”
- The American Society of Health Economists Meetings, June 2006, Madison, WI. “The Determinants of Public versus Private Provision of Emergency Medical Services.”
- The American Society of Health Economists Meetings, June 2006, Madison, WI. ”Specialization along the Medical Care Continuum.”
- Temple University, Department of Economics, February 2006, Philadelphia, PA. “For-Profit vs. Nonprofit Hospitals: Distinctions, Trends, and Growing Similarities”
- American Economic Association Annual Meetings, January 2006, Boston, MA. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- The Center on the Organization and Management of Addiction Treatment (COMAT) conference, November 2005, Philadelphia, PA. “Discussion on the Business of Addiction Treatment and Public Perceptions.”
- The Center for Human Resources and the Wharton Research Advisory Group, November 2005, Philadelphia, PA. “For-Profit vs. Nonprofit Hospitals: Distinctions, Trends, and Growing Similarities”
- The 3<sup>rd</sup> Annual Southeastern Health Economics Study Group Conference, October 2005, Columbia, SC. ”On the Economic Foundations of Medical Care Productivity and Specialization: The Case of Hospitalists.”
- University of Illinois at Chicago, July 2005, Chicago, IL. ”Specialization along the Medical Care Continuum.”
- Lehigh University, Department of Economics, April 2005, Bethlehem, PA. ”Specialization along the Medical Care Continuum.”
- University of Pennsylvania, the Wharton School, March 2005, Philadelphia, PA. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- The Institute of Government and Public Affairs, February 2004, Urbana, IL. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”

- University of Illinois at Chicago, School of Public Health, February 2004, Chicago, IL. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- Medical University of South Carolina, Health Administration & Policy Department, February 2004, Charleston, SC. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- University of California Berkeley, February 2004, Berkeley, CA. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- University of Pennsylvania, the Wharton School, February 2004, Philadelphia, PA. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- Amherst College, Department of Economics, February 2004, Amherst, MA. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- University of Washington, January 2004, Seattle, WA. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- Georgia State University, Department of Economics, January 2004, Atlanta, GA. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- RAND, January 2004, Santa Monica, CA. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- Clemson University, Department of Economics, January 2004, Clemson, SC. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- University of Chicago, Graduate School of Business, September 2003, Chicago, IL. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- Organizational Economics of Health Care Conference, October 2003, Rochester, NY. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”
- Tel-Aviv University, School of Economics, May 2003, Tel-Aviv, Israel. “The Convergence between Nonprofit and For-Profit Hospitals in the United States.”