# Lawton R. Burns, PhD, MBA Health Care Management Department Wharton Center for Health Management and Economics Roy & Diana Vagelos Program in Life Sciences and Management The Wharton School

# CURRICULUM VITAE (November 2014)

#### **Office Address:**

Health Care Management Department The Wharton School 203 Colonial Penn Center 3641 Locust Walk Philadelphia, PA 19104

Phone: 215-898-3711 Fax: 215-573-2157

Email: burnsL@wharton.upenn.edu http://hcmg.wharton.upenn.edu/burnsL

#### HONORS AND FELLOWSHIPS

Outstanding Author Contribution Award. Emerald Literati Network. 2012.

Institute of Medicine Committee on Evaluation of the Lovell Federal Health Center Merger (2011-2012)

Outstanding Author Contribution Award. Emerald Literati Network. 2010.

Wharton Faculty Seminar: Beijing and Shanghai, August 2009

Board of Institute of Medicine (IOM) - Health Services Section. 2003-2006.

Paul A. Gross Distinguished Leadership Lecture, Virginia Commonwealth University. 2002.

Election to Life Fellow, Clare Hall, University of Cambridge. 2001.

Arthur Andersen Distinguished Visiting Professor, Judge Institute of Management Studies, University of Cambridge. 2001.

Invited Lecture Series, National University of Singapore (NUS). 2000.

James Joo-Jin Kim Professorship (Endowed Chair). 1999.

Teacher of the Year, Administrative Medicine Program, University of Wisconsin School of Medicine. 1999.

Invited Lecture Series. Catholic University of Rome, LUISS, and the National Agency for Health Care Services (Italy). 1997.

Edwin L. Crosby Memorial Fellowship, Hospital Research and Educational Trust, Chicago IL. 1992-1993.

Udall Fellowship in Public Policy, Udall Center for Studies in Public Policy, University of Arizona. 1990-1991. Graduate Training Fellowship, Kaiser Family Foundation and the Graduate School of Business, University of Chicago. 1982-1984.

Post-Doctoral Research Fellowship, Graduate School of Business, University of Chicago. 1981-1982.

Doctoral Research Fellowship, Kaiser Family Foundation and the Graduate School of Business, University of Chicago. 1979-1980.

Doctoral Research Fellowship, National Health Care Management Center, University of Pennsylvania.1979-1980.

Ernest W. Burgess Fellowship, Department of Sociology, University of Chicago. 1975-1976.

# **EDUCATION**

MBA, Graduate School of Business, University of Chicago, Chicago, Illinois, 1984 Specialization in Hospital Administration & Marketing.

Ph.D. Sociology, University of Chicago, Chicago, Illinois, 1981

- Dissertation: "The Adoption and Diffusion of Decentralized Management in Hospitals."
- Committee: James Coleman, Edward Laumann, Charles Bidwell

M.A. Sociology, University of Chicago, Chicago, Illinois, 1976

B.A. Sociology and Anthropology, cum laude, Haverford College, Haverford, Pennsylvania, 1973

# MAJOR FIELDS OF INTEREST

- Health Care Management	
- Integrated Health Care	
- Strategic Alliances	

- Organizational Change
- Health Care Systems of India & China

- Strategic Management
- Formal Organizations
- Evaluation Research
- Strategic Implementation

# ACADEMIC POSITIONS

Co-Director, Vagelos Life Sciences & Management Program (LSMP). 2013 – Present

Area Leader, Health Care Management Program, India School of Business. 2010 - Present.

Chair, Department of Health Care Management. 2007 - 2014.

Arthur Andersen Distinguished Visiting Professor, Judge Institute of Management Studies, University of Cambridge, 2001

James Joo-Jin Kim Professor, University of Pennsylvania, 1999-Present

Director, Wharton Center for Health Management and Economics, 1999-Present

Professor of Health Care Systems, The Wharton School, 1998-Present

Visiting Professor, Department of Preventive Medicine, University of Wisconsin Medical School, 1997-Present

Director of Research, Leonard Davis Institute of Health Economics, University of Pennsylvania, 1996-2000

Associate Professor of Health Care Systems, The Wharton School, University of Pennsylvania, Philadelphia PA (Tenured), 1994-1998

Associate Professor, College of Business and Public Administration, University of Arizona, Tucson, Arizona. Joint Appointments in Management & Policy, Public Administration & Policy, Psychology, 1992-1994 Assistant Professor, College of Business, Univ. of Arizona, 1985-1991

Administrative Practicum, Jackson Park Hospital, Chicago, Illinois, 1983-1984

Assistant to the Administrator, Medical Plaza Hospital, Ft Worth, 1983

Lecturer in Health Administration, Graduate School of Business, University of Chicago, 1981-1984

Post-Doctoral Fellow, Graduate School of Business, Univ. of Chicago, 1981-1982

#### **GRANTS AWARDED**

2014-	American Hospital Association. "Purchasing Executives' Perspective on Group Purchasing Organizations," \$138,000.
2011-	University of Pennsylvania Health System, "Accountable Care Organizations (ACOs): Stakeholder Analysis in the Philadelphia Market," \$45,000.
2009-2011	Understanding the Role of Clinician Collaborators in Medical Device Innovation. InHealth. Award: \$380,000.
2007-2008	Retail Medical Clinics and Their Impact on Physician-Hospital Relationships. Center For Health Management Research. Award: \$97,000
2006-2007	Guanghua - Wharton Joint Research Initiative. "Informal Payments in China's Health Care Sector."
2004-2006	National Science Foundation. "Inventory and Distribution in Integrated Delivery Networks." Co- Principal Investigator. Award: \$200,000
2004-2006	Robert Wood Johnson Foundation, HCFO Initiative. "Co-Evolution in HMO and Hospital Markets." (With Robert Town)
2003-2004	IBM Global Services. "Trends in the Pharmaceutical Outsourcing Market." Award: \$50,000.
2000-2001	Robert Wood Johnson Investigator Award in Health Policy Research. "Implementing and Sustaining Fundamental Change in Health Care Organizations." (With Gloria Bazzoli). Award: \$250,000.
1999-2001	Wharton Program on Pharmaceutical Policy, Economics, and Management." Research Grant from Merck Award: \$200,000.
1998-2000	"Hospital Ownership Conversions." Robert Wood Johnson Foundation. Award: \$349,000. (Co-Investigator; PI: Frank Sloan).
1998-1999	"Provision of Community Benefits among FAHS Member Hospitals." Federation of American Health Systems. Award: \$120,000. (Co-Investigator; PI: Mark Pauly).

1998-2000	"Impact of Hospital Consolidation on Supplier-Provider Contracting: Value Chain Analysis." Center for Health Management Research. Award: \$183,000. (Principal Investigator).
1996-1999	"Aligning Physician Groups and Health Systems." National Science Foundation and Center for Organized Delivery Systems. Award: \$840,000. (Co-Investigator; PI: Steve Shortell). Analyze success factors in strategic alliances between integrated delivery systems and physician group practices.
1996-1999	"Referrals to Specialists in HMOs". Agency for Health Care Policy & Research (AHCPR). Award: \$250,000. (Co-Investigator). Measure rates and types of referrals in midwestern HMO.
1996-1997	"Physician-Organization Arrangements: Impact on Integration and Managed Care." Robert Wood Johnson Foundation. Award: \$232,394. (Co-Principal Investigator). Assess impact of integrated delivery systems on primary care and managed care infrastructure in hospitals.
1995-1997	"HMO Impact on Integrated Networks and Services." Grant from Agency for Health Care Policy & Research. Award: \$288,157 (Principal Investigator). Assess impact of HMO prevalence and penetration on development of integrated systems in local markets.
1995-1997	"Managed Care and Hospital-Physician Integration." Grant from Agency for Health Care Policy & Research. Award: \$313,482 (Co- Investigator). Assess impact of managed care on specific mechanisms used by hospitals to integrate their medical staffs.
1994-1997	"Managing Uncertainty to Promote Self-Help in Breast Cancer." Grant from National Cancer Institute. Award: \$990,000. (Co-Investigator). Evaluation of efficacy of nursing intervention to promote self-care and self-help in treatment for breast cancer.
1993-1995	"A Comprehensive Evaluation of Physician-Hospital Arrangements." Grant from the Industry/University Cooperative Research Center for Health Management. Award: \$200,000. (Co- Investigator). Evaluation of physician-hospital networks forming in response to managed competition and managed care contracting.
1991-1992	"Impact of State Subsidies for Liability Insurance on the Delivery of Obstetrical Care by Rural Physicians." Grant from Office for Rural Health Policy, Health Resources & Services Administration (USPHS). Award: \$ 6,000. (Principal Investigator). Evaluation of impact of stipend award and stipend amount on decisions by rural physicians to continue obstetrical practice.
1990-1993	"Interdisciplinary Training for Rural Health Action." Grant from Bureau of Health Professions. Award: \$891,000. Department of Family and Community Medicine, College of Medicine, University of Arizona. (Faculty Trainer).
1990-1991	"Structure and Outcomes of Joint-Venture Relationships Between Physicians and Hospitals." Grant from Health Care Management and Technology Assessment Center, University of Arizona. Award: \$ 6,700. (Principal Investigator). Survey of joint ventures between Arizona physicians & hospitals and their impact on utilization of hospitals.
1989-1991	"Nursing Interventions Promoting Self-Help to Cancer." Grant from the National Cancer Institute. Award: \$1.2 million. College of Nursing, University of Arizona. (Co-Investigator). Experimental Design to study the clinical- and cost-effectiveness of three nursing interventions to improve self- care knowledge and behaviors among 360 women with breast cancer.

# **RESEARCH CONTRACTS**

2006	"Determinants of Small Device Firm Survival and Growth." Funded by C.R. Bard.
2005- 2006	"Assessment and Restructuring of the University of Pennsylvania Health System Supply Chain." Funded by UPHS.
2005	"Physician Preference Among Surgical Products." Funded by Broadlane.
2004	"Buyer-Supplier Contracting." Funded by Johnson & Johnson Health Care Systems.
2000	"Using Network Analysis to Understand Change in Local Healthcare Markets." Funded by Center for Studying Health System Change. (With Douglas Wholey)
1998-1999	"The Rise and Fall of AHERF: Lessons for Academic Medical Centers." Funded by Association of Professors of Medicine.
1995-1997	"Development of Integrated Delivery Systems in Illinois." Funded by Illinois Hospital and Health Systems Association. Statewide study of integrated system development in community and academic medical centers. With Institute of Medicine.
1997	"Impact of Physician Practice Management Companies on Hospital-Based Integrated Delivery Systems." Center for Health Management Research. With James C. Robinson.
1992-1993	"Physicians' Decisions Concerning Resource Allocation by Hospitals." Funded by Tucson Medical Center, Tucson AZ. County-wide study of physician estimates regarding the areas to which hospitals should allocate their scarce resources.
1992	"Patient Care Restructuring Project." Funded by University Medical Center, Tucson AZ. Evaluation of new personnel roles on inpatient units to relieve nurses of nonprofessional tasks and improve patient management.
1992	"Decentralization of the Veterans Administration Hospital System." Funded by the VA Medical Center, Boston, MA. Study to develop models for the decentralized operation of the VA hospital system. Reviewer.
1991-1992	"Clinical and Cost Outcomes of Nurse Case Management in a Medicare HMO Setting." Funded by Carondelet-St. Mary's Hospital/Health System, Tucson AZ.
1989-1990	"Access and Quality of Care Outcomes in Medicaid HMOs." Funded by Joint Commission on Accreditation of Healthcare Organizations. Analysis of the adherence of Medicaid HMOs to JCAHO accreditation criteria.

# **PUBLICATIONS**

### Books:

Lawton R. Burns & Wharton School Colleagues. *The Health Care Value Chain: Producers, Purchasers, and Providers* (San Francisco: Jossey-Bass). 2002.

Lawton R. Burns. The Business of Healthcare Innovation (Cambridge, UK: Cambridge University Press). 2005.

Rosemary Stevens, Charles Rosenberg, and Lawton R. Burns (Eds.), *Health Care History and Policy in the United States* (New Brunswick, NJ: Rutgers University Press). 2006.

Lawton R. Burns et al. Shortell & Kaluzny's *Health Care Management: Organization Design and Behavior* - Sixth Edition. (Delmar). 2011.

Lawton Burns. *The Business of Healthcare Innovation* - 2nd Edition. (Cambridge, UK: Cambridge University Press). 2012.

Lawton Burns. *India's Healthcare Industry: Innovation in Delivery, Financing, and Manufacturing* (New Delhi: Cambridge University Press). 2014.

#### **Articles/Book Chapters:**

Lawton R Burns. "Medical Tourism Opportunities and Challenges: Illustration from US-India Trade." *International Journal of Healthcare Management* (Forthcoming).

Guy David, Richard Lindrooth, Lorens Helmchen. and Lawton R Burns. "Do Hospitals Cross-subsidize?" *Journal of Health Economics* 37(September): 198-218. 2014.

R. Carter Clement, Arunavo Roy, Ravi Shah, James Calderwood, and Lawton R. Burns. "The Aravind Eye Care System," in Lawton Burns (Ed.), *India's Healthcare Industry: Innovation in Delivery, Financing, and Manufacturing*. 2014.

Jessica Pickett, Aditi Sen, and Lawton R Burns. "The Health Insurance Sector in India: History and Opportunities." In Lawton Burns (Ed.), *India's Healthcare Industry: Innovation in Delivery, Financing, and Manufacturing*. 2014.

Ajay Bakshi and Lawton Burns. "The Medical Profession in India." In Lawton Burns (Ed.), India's Healthcare Industry: Innovation in Delivery, Financing, and Manufacturing. 2014.

Lawton R Burns, Prashanth Jayaram, and Richa Bansal. "Medical Tourism: Opportunities and Challenges." In Lawton Burns (Ed.), *India's Healthcare Industry: Innovation in Delivery, Financing, and Manufacturing*. 2014.

Lawton R. Burns, Bhuvan Srinivasan, and Mandar Vayda. "India's Hospital Sector: The Journey from Public to Private Healthcare Delivery." In Lawton Burns (Ed.), *India's Healthcare Industry: Innovation in Delivery, Financing, and Manufacturing*. 2014.

Lawton R Burns. "India's Healthcare Industry: A System Perspective." In Lawton Burns (Ed.), *India's Healthcare Industry: Innovation in Delivery, Financing, and Manufacturing.* 2014.

Lawton R Burns. "India's Healthcare Industry: An Overview of the Value Chain." In Lawton Burns (Ed.), *India's Healthcare Industry: Innovation in Delivery, Financing, and Manufacturing*. 2014.

Lawton Burns, Tanmay Mishra, Kalyan Pamarthy, and Arunavo Roy. "The Medical Device Sector in India" In Lawton Burns (Ed.), *India's Healthcare Industry: Innovation in Delivery, Financing, and Manufacturing*. 2014.

Lawton R. Burns, Jeff Goldsmith, and Aditi Sen. "Horizontal and Vertical Integration of Physicians: A Tale of Two Tails." In *Annual Review of Health Care Management: Revisiting the Evolution of Health Systems Organization Advances in Health Care Management*, Volume 15: 39-117. (Emerald Group Publishing). 2013.

Lawton R Burns. "Matrix Structure." Encyclopedia of Management Theory. 2013.

Corinna Sorenson, Michael Drummond, and Lawton Burns. "Evolving Reimbursement and Pricing Policies for Devices in Europe and the United States Should Encourage Greater Value." *Health Affairs* 32(4): 788-796: 2013.

Lawton R Burns, Douglas Wholey, Jeffrey McCullough, Ralph Muller, and Peter Kralovec. "The Changing Configuration of Hospital Systems: Centralization, Federalization, or Fragmentation?" In L. Friedman, G. Savage, and J. Goes (Eds.), *Annual Review of Health Care Management: Strategy and Policy Perspectives on Reforming Health Systems*. Volume 13. (Emerald Group Publishing): 189-232. 2012.

Lawton R Burns and Mark V Pauly. "Accountable Care Organizations May Have Difficulty Avoiding The Failures of Integrated Delivery Networks Of The 1990s." *Health Affairs* 31(11): 2407-2416. 2012.

Michael Johns, Stephen Shortell, Nancy Adams, George Anderson, Peter Angood, Lawton Burns, et al. *Evaluation of the Lovell Federal Health Care Center Merger: Findings, Conclusions, and Recommendations* (Washington, D.C.: Institute of Medicine). 2012.

Lawton R Burns, Stephen Sammut, and David Lawrence. "Healthcare Innovation across Sectors: Convergences and Divergences." Chapter 8. In LR Burns (Ed.), *The Business of Healthcare Innovation* (Cambridge, UK: Cambridge University Press). 2012.

Lawton R Burns, Sean Nicholson, and Joanna Wolkowski. "Pharmaceutical Strategy and the Evolving Role of Mergers and Acquisitions (M&A)." Chapter 3. In LR Burns (Ed.), *The Business of Healthcare Innovation* (Cambridge, UK: Cambridge University Press). 2012.

Lawton R. Burns, Eduardo Cisneros, William Ferniany, and Harbir Singh. "Strategic Alliances Between Buyers and Suppliers: Lessons From the Medical Imaging Industry," in C. Harland, G. Nassimbeni, and E. Schneller (Eds.), *The SAGE Handbook of Strategic Supply Management* (Sage Publications). 2012.

Stefanos Zenios, Lawton Burns, and Lyn Denend. *The Role of Physicians in Device Innovation: Critical Success Factor or Conflict of Interest?* (Stanford University, Graduate School of Business). 2012.

Lawton R Burns. "Comparative Effectiveness Research: What it Means, What it Means for Hospitals." *Economic Outlook* (September): 14-18. 2011.

Lawton R Burns and Stephen Sammut. "Doing More with Less: Lessons From a Doctor." Insight 9(2): 16-19. 2011.

Stephen Sammut and Lawton R Burns. "Meeting the Challenges of Healthcare Needs in India: Paths to Innovation." *Insight* 9(2): 5-9. 2011.

Lawton R. Burns, Elizabeth Bradley, and Bryan Weiner. "The Management Challenge of Delivering Value in Health Care: Global and U.S. Perspectives." In Burns, Bradley, and Weiner (Eds.), *Health Care Management: Organization Design and Behavior*, Sixth Edition. (Delmar). 2011.

Lawton R. Burns, Guy David, and Lorens Helmchen. "Strategic Responses by Providers to Specialty Hospitals, Ambulatory Surgery Centers, and Retail Clinics." *Population Health Management* 14(2): 69-77. 2011.

Edward Zajac, Thomas D'Aunno, and Lawton R. Burns. "Managing Strategic Alliances." in *Health Care Management: Organization Design and Behavior* 6th Edition. (Albany, NY: Delmar). 2011.

Lawton R. Burns, Jeff C. Goldsmith, and Ralph Muller. "History of Hospital/Physician Relationships: Obstacles, Opportunities, and Issues." In Jay Crosson and Laura Tollen (Eds.), *Partners in Health* (Kaiser Permanente Institute for Health Policy, Oakland, CA). 2010.

Lawton R. Burns, Michael Housman, Robert Booth, and Aaron Koenig. "Implant Vendors and Hospitals: Competing Influences over Product Choice by Orthopedic Surgeons." *Health Care Management Review* 34(1): 2-18. 2009.

Archstone Consulting and Lawton R. Burns. *The Biopharmaceutical Sector's Impact on the U.S. Economy: Analysis at the National, State, and Local Levels*. Report issued by PhRMA. 2009.

Lawton R. Burns, Rajiv Shah, Frank Sloan, and Adam Powell. "The Impact of Hospital Ownership Conversions: Results From a Comparative Field Study." *Biennial Review of Health Care Management: Meso Perspectives*. Volume 8: 171-229. 2009.

Lawton R. Burns and Mark V. Pauly. "Price Transparency for Medical Devices." *Health Affairs* 27(6): 1544-1553. 2008.

Lawton R. Burns, Michael Housman, and Charles Robinson. "Market Entry and Exit by Medical Device and Biotechnology Companies Funded by Venture Capital." *Health Affairs.* Web Exclusive. December 2, 2008. W76-86.

Lawton R. Burns and Ralph Muller. "Hospital-Physician Collaboration: Landscape of Economic Integration and Impact on Clinical Integration." *Milbank Quarterly* 86(3):375-434. 2008.

Lawton R. Burns and J. Andrew Lee. "Group Purchasing Organizations (GPOs): Issues and Evidence." *Health Care Management Review* 33(3): 203-215. 2008.

Lawton R. Burns, J. Andrew Lee, Eric T. Bradlow, and Anthony C. Antonacci. "Assessment of Medical Devices: How to Conduct Comparative Technology Evaluations of Product Performance." *International Journal of Technology Assessment in Health Care* 23(4): 455-463. 2007.

Lawton R. Burns, David Nash, and Douglas Wholey. "The Evolving Role of Third Parties in the Hospital-Physician Relationship." *American Journal of Medical Quality* 22(6): 402-409. 2007.

Lawton R. Burns, J. Andrew Lee, Eric T. Bradlow, and Anthony C. Antonacci. "Surgeon Evaluation of Suture and Endo-Mechanical Products." *Journal of Surgical Research* 141: 220-233. 2007.

Robert Town, Douglas Wholey, Roger Feldman, and Lawton R. Burns. "Hospital Consolidation and Racial/Income Disparities in Health Insurance Coverage." *Health Affairs* 26 (4): 1170-1180. 2007.

Kwang Jum Kim and Lawton R. Burns. "Factors Affecting the Performance of Hospital Alliances: Evidence from Korea." *Health Services Management Research* 20: 141-152. 2007.

Lawton R. Burns. "Growth and Innovation in Medical Devices: A Conversation with Stryker Chairman John Brown." *Health Affairs*. May 1, 2007. Web Exclusive.

James Assail, Stephen Shortell, Jeffrey Alexander, and Lawton R. Burns. "Organizational Culture and Physician Satisfaction with Group Practice: A Multilevel Model of Cultural Perception and Context." *Health Services Research* 42 (3): 1150-1176. 2007.

Robert Town, Roger Feldman, Douglas Wholey, and Lawton R. Burns "Revisiting the Relationship Between Managed Care and Hospital Consolidation." *Health Services Research* 42 (1): 219-238. 2007.

Lawton R. Burns. "Clinical Technology: Confronting the Technological Imperative." *Future Scan: Healthcare Trends and Implications*, 2007 – 2012: 29-33. 2007.

Lawton R. Burns. "Dealing with Innovation and Costs in Orthopedics: A Conversation with Dane Miller." *Health Affairs* 25 (2006): W241-251. Published online May 18, 2006.

Lawton R. Burns and Alexandra Burns. "Policy Implications of Hospital System Failures: The Allegheny Bankruptcy." In Stevens, Rosenberg, and Burns (Eds.), *History and Health Policy in the United States*. Rutgers University Press. 2006.

Lawton R. Burns, Gilbert Gimm, and Sean Nicholson. "The Financial Performance of Integrated Health Organizations (IHOs)." *Journal of Healthcare Management* 50(3): 191-213. 2005.

Gloria Bazzoli, Linda Dynan, Lawton R. Burns, Clarence Yap. "Two Decades of Organizational Change in Health Care: What Have We Learned?" *Medical Care Research & Review* 61(3): 247-331. 2004.

Douglas R. Wholey, Jon B. Christianson, Debra Draper, Cara Lesser, and Lawton R. Burns. "Embedded Responses of Communities to National Healthcare Firms." *Journal of Health and Social Behavior* 45(Extra Issue): 118-135. 2004.

Lawton R. Burns, Thomas D'Aunno, and John Kimberly. "Globalization in Healthcare." In H. Gatignon and J. Kimberly (Eds.), *The INSEAD-Wharton Alliance on Globalizing: Strategies for Building Successful Global Businesses*. (Cambridge, UK: Cambridge University Press): 395-421. 2003.

Lawton R. Burns. "Physician-Hospital Organizations." Encyclopedia of Health Care Management. 2003.

Lawton R. Burns. "Networks." Encyclopedia of Health Care Management. 2003.

Lawton R. Burns and Mark V. Pauly. "Integrated Delivery Networks (IDNs): A Detour on the Road to Integrated Healthcare?" *Health Affairs*, 21(4): 128-143. 2002.

Lawton R. Burns. "Competitive Strategy." In Daniel Albert (Ed.), *A Physician's Guide to Healthcare Management*. (Malden, MA: Blackwell Science): 46-56. 2002.

Grace Kreulen, Manfred Stommel, Barbara Gutek, Lawton R. Burns, Carrie Braden. "Utility of Retrospective Pretest Ratings of Patient Satisfaction with Health Status." *Research in Nursing and Health* 25: 233-241. 2002.

Peter Budetti, Stephen M. Shortell, Teresa Waters, Jeffrey Alexander, Lawton R. Burns, et al. "Physicians and Health System Integration." *Health Affairs* 21(1): 203-210. 2002.

Douglas R. Wholey and Lawton R. Burns. "Understanding Health Care Markets: Actors, Products, and Relations." Paper prepared for Center for Studying Health System Change. In Stephen Mick (Ed.), *Innovation in Health Care Delivery*. 2nd Edition. 2002.

Lawton R. Burns, Jeffrey Alexander, Stephen M. Shortell et al. "Physician Commitment to Organized Delivery Systems." *Medical Care* 39(7): I 9-29. July Supplement. 2001.

Jeffrey Alexander, Teresa Waters, Lawton R. Burns et al. "The Ties that Bind: Organizational Linkages and Physician-System Alignment." *Medical Care* 39(7): I 30-45. July Supplement. 2001.

Stephen M. Shortell, James Zazzali, Lawton R. Burns et al. "Implementing Evidence-Based Medicine: The Role of Market Pressures, Compensation Incentives and Culture in Physician Organizations." *Medical Care* 39(7): I 62-78. July Supplement. 2001.

Stephen M. Shortell, Jeffrey Alexander, Lawton R. Burns et al. "Physician-System Alignment: Introductory Overview." *Medical Care* 39(7): I 1-18. July Supplement. 2001.

Robin Gillies, Howard Zuckerman, Lawton R. Burns, Stephen M. Shortell, et al. "Physician-System Relationships: Stumbling Blocks and Promising Practices." *Medical Care* 39(7): I 92-106. July Supplement. 2001.

Jeffrey Alexander, Teresa Waters, Shawn Boykin, Lawton R. Burns et al. "Risk Assumption and Physician Alignment with Health Care Organizations" *Medical Care* 39(7): I 46-61. July Supplement. 2001.

Teresa Waters, Peter Budetti, Katherine Reynolds, Robin Gillies, Howard Zuckerman, Jeffrey Alexander, Lawton R. Burns, and Stephen Shortell. "Factors Associated with Physician Involvement in Care Management." *Medical Care* 39(7): I 79-91. July Supplement. 2001.

Lawton R. Burns, Stephen Walston, Jeffrey Alexander, Howard Zuckerman, Ronald Andersen, and Paul Torrens. "Just How Integrated Are Integrated Delivery Systems? Results from a National Survey." *Health Care Management Review* 26(1): 22-41. 2001.

Stephen Walston, John R. Kimberly, and Lawton R. Burns. "Institutional and Economic Influences on the Adoption and Extensiveness of Managerial Innovation in Hospitals: The Case of Reengineering." *Medical Care Research & Review* 58(2): 194-228. 2001.

Jeffrey Alexander, Lawton R. Burns, Michael Morrisey, and Victoria Johnson. "CEO Perceptions of Competition and Strategic Response in Hospital Markets." *Medical Care Research & Review* 58(2): 162-193. 2001.

Lawton R. Burns and Darrell P. Thorpe. "Why Provider-Sponsored Health Plans Don't Work." *Healthcare Financial Management: 2001 Resource Guide:* 12-16. 2001.

Sean Nicholson, Mark V. Pauly, Lawton R. Burns, Agnieshka Baumritter, and David Asch. "Measuring Community Benefits Provided by For-Profit and Nonprofit Hospitals." *Health Affairs* 19(6): 168-177. 2000.

Lawton R. Burns. "A Research Agenda for Health Services Management." *Health Care Management Review* 25(4): 85-87. 2000.

Craig Holm and Lawton R. Burns. "The Future of Health System - Physician Integration." *Journal of Healthcare Management* 45(6): 356-358. 2000.

Lawton R. Burns, Gloria Bazzoli, Linda Dynan, and Douglas Wholey. "Impact of HMO Market Structure on Physician-Hospital Strategic Alliances." *Health Services Research* 35(1): 101-132. 2000.

Lawton R. Burns, John Cacciamani, James Clement, and Welman Aquino. "The Fall of the House of AHERF: The Allegheny Bankruptcy." Paper presented to Association of Professors of Medicine (Pasadena, February). *Health Affairs* 19(1): 7-41. 2000.

Edward Zajac, Thomas D'Aunno, and Lawton R. Burns. "Managing Strategic Alliances." In *Health Care Management: Organization Design and Behavior* 4th Edition. (Albany, NY: Delmar): 307-329. 2000.

Douglas R. Wholey and Lawton R. Burns. "Tides of Change: The Evolution of Managed Care in the United States." In *Handbook of Medical Sociology* 5th Edition, Ed. By Chloe Bird, Peter Conrad, and Allen Fremont. (Upper Saddle River, NJ: Prentice Hall): 217-237. 2000.

Lawton R. Burns and Douglas R. Wholey. "Responding to a Consolidating Healthcare System: Options for Physician Organizations." In *Advances in Health Care Management* Volume 1 (New York: Elsevier): 273-335. 2000.

Gloria Bazzoli, Linda Dynan, Lawton R. Burns, and Richard Lindrooth. "Is Provider Capitation Working? Effects on Physician-Hospital Integration and Costs of Care." *Medical Care* 38(3): 311-324. 2000.

Jeffrey Alexander, Thomas Vaughn, and Lawton R. Burns. "The Effects of Structure, Strategy, and Market Conditions on the Operating Practices of Physician-Organization Arrangements." *Health Services Management Research* 13:1-15. 2000.

Gloria Bazzoli, Linda Dynan, and Lawton R. Burns. "Capitated Contracting of Integrated Health Provider Organizations." *Inquiry* 36(4): 426-444. 2000.

Gloria Bazzoli, Linda Dynan, and Lawton R. Burns. "Capitated Contracting Roles and Relationships in Health Care." *Journal of Healthcare Management* 45(3): 170-187. 2000.

Stephen Walston, Lawton R. Burns, and John Kimberly. "Does Reengineering Really Work? An Examination of the Context and Outcomes of Hospital Reengineering Programs." *Health Services Research* 34(6): 1363-1388. 2000.

Lawton R. Burns, Kevin Anbari, and Jasmin Patel. "The Physician Practice Management Industry: A Partner for Pharmaceutical Companies in Clinical Trials?" *Spectrum: Health Care Delivery and Economics*. 2000.

Lawton R. Burns, Robert DeGraaff, and Harbir Singh. "Acquisition of Physician Group Practices by For-Profit and Not-for-Profit Organizations." *Quarterly Review of Economics and Finance* 39(4): 465-490. 1999.

Michael Morrisey, Jeffrey Alexander, Lawton R. Burns, and Victoria Johnson. "The Effects of Managed Care on Physician and Clinical Integration in Hospitals." *Medical Care* 37(4): 350-361. 1999.

Lawton R. Burns. "Polarity Management: The Key Challenge for Integrated Health Systems." *Journal of Healthcare Management* 44(1): 14-33. 1999.

Lawton R. Burns, Terry Connolly, and Robert DeGraaff. "The Impact of Physicians' Perceptions of Malpractice and Adaptive Changes on Intention to Cease Obstetrical Practice." *Journal of Rural Health* 15(2): 134-146. 1999.

Douglas R. Wholey, Lawton R. Burns, and Risa Lavizzo-Mourey. "Managed Care and the Delivery of Primary Care to the Elderly." *Health Services Research* Part II 33(2): 322-353. 1998.

Lawton R. Burns, Michael Morrisey, Jeffrey Alexander, and Victoria Johnson. "Managed Care and Processes to Integrate Physicians/Hospitals." *Health Care Management Review* 23(4): 70-80. 1998.

Linda Dynan, Gloria Bazzoli, and Lawton R. Burns. "Assessing the Extent of Operational and Financial Integration Achieved Through Physician-Hospital Arrangements." *Journal of Healthcare Management* 43(3): 242-262. 1998.

Howard Zuckerman, Diana Hilberman, Ronald Andersen, Jeffrey Alexander, Lawton R. Burns, and Paul Torrens. "Physicians and Organizations: Strange Bedfellows or a Marriage Made in Heaven?" *Frontiers of Health Services Management* 14(3): 3-34. 1998.

Jeffrey Alexander, Michael Morrisey, Lawton R. Burns, and Victoria Johnson. "Physician and Clinical Integration in Rural Hospitals." *Journal of Rural Health* 14(4): 312-326. 1998.

Lawton R. Burns, Stephen M. Shortell, and Ronald M. Andersen. "Does Familiarity Breed Contentment? The Effects of Physician-Hospital Integration." *Research in the Sociology of Health Care*, (Greenwich, CT: JAI Press): 85-110. 1998.

Lawton R. Burns and James C. Robinson. "Physician Practice Management Companies: Implications for Hospital-Based Integrated Delivery Systems." *Frontiers of Health Services Management* 14(2): 3-35. 1997.

Lawton R. Burns, Gloria Bazzoli, Linda Dynan, and Douglas Wholey. "Managed Care, Market Stages, and Integrated Delivery Systems: Is There a Relationship?" *Health Affairs* 16(6): 204-218. 1997.

Lawton R. Burns. "Physician Practice Management Companies." *Health Care Management Review* 22(4):32-46. 1997.

Lawrence Van Horn, Lawton R. Burns, and Douglas R. Wholey. "The Impact of Physician Involvement in Managed Care on Efficient Use of Hospital Resources." *Medical Care* 35(9): 873-889. 1997.

Lawton R. Burns, Jill Egan, and Susan Van Duyne. *The Process of Physician-System Integration in Illinois*. (Naperville, IL: Illinois Hospital & Health System Association). 1997.

Lawton R. Burns and Darrell P. Thorpe. "Physician-Hospital Organizations: Strategy, Structure, and Conduct." In R. Conners (Ed.), *Integrating the Practice of Medicine*. (Chicago, IL: American Hospital Association Publishing Co:): 351-371. 1997.

Michael A. Morrisey, Jeffrey A. Alexander, Lawton R. Burns, and Victoria A. Johnson. "Managed Care and Physician-Hospital Integration." *Health Affairs* 15(4): 62-73. 1996.

Jeffrey Alexander, Thomas Vaughn, Lawton R. Burns et al. "Organizational Approaches to Integrated Healthcare Delivery: A Taxonomic Analysis of Physician- Organization Arrangements." *Medical Care Research and Review* 53(1): 71-93. 1996.

Jeffrey Alexander, Lawton R. Burns, Howard Zuckerman et al. "An Exploratory Analysis of Market-based Physician-Organization Arrangements." *Hospital and Health Services Administration* 41(3): 311-329. 1996.

Stacie Geller, Lawton R. Burns, and David Brailer. "The Impact of Non-Clinical Factors on Practice Variations: The Case of Hysterectomies." *Health Services Research* 30(6): 729-750. 1996.

Lawton R. Burns, Gerri S. Lamb, and Douglas R. Wholey. "Impact of Integrated Community Nursing Services on Hospital Utilization and Costs in a Medicare Risk Plan." *Inquiry* 33(1): 30-41. 1996.

Stephen Walston, John Kimberly, and Lawton Burns. "Owned Vertical Integration and Health Care: Promise and Performance." *Health Care Management Review* 21(1): 83-92. 1996.

Lawton R. Burns. "Medical Organization Structures that Promote Quality and Efficiency: Past Research and Future Considerations." *Quality Management in Health Care* 3(4): 10-18. 1995.

Lawton R. Burns and Darrell P. Thorpe. "Managed Care and Integrated Healthcare." In *Health Care Management: Managed Care*. Harvey Jolt (Ed.). (Philadelphia, PA: Hanley & Belfus): 101-108. 1995.

Lee R. Beach and Lawton R. Burns. "The Service Quality Improvement Strategy (QIS): Identifying Priorities for Change." *International Journal of Service Industry Management* 6(5): 5-15. 1995.

Lawton R. Burns, Stacie Geller, and Douglas Wholey. "The Effect of Physician Factors on the Cesarean Section Decision." *Medical Care* 33(4): 365-382. 1995.

Lawton R. Burns, Jon Chilingerian, and Douglas Wholey. "The Effect of Physician Practice Organization on Efficient Utilization of Hospital Resources." *Health Services Research* 29(5): 583-603. 1994.

Lawton R. Burns and Lee Sechrest. "Key Challenges Posed by the Clinton Healthcare Reform Proposal." In *Health Care Management: U.S. Healthcare in Transition.* Harvey Jolt (Ed.) (Philadelphia, PA: Hanley & Belfus): 81-90. 1994.

Lawton R. Burns and Lee R. Beach. "The Quality Improvement Strategy (QIS): A Method for Tying Quality Improvement to Physician Satisfaction with Hospital Services." *Health Care Management Review*. 19(2): 21-31. 1994.

Lawton R. Burns. "Network Models of the Dissemination of Innovations and Information." In *Effective Dissemination of Clinical and Health Information*. Lee Sechrest, Everett Rogers, et al. (Eds.) (Rockville, MD: Agency for Health Care Policy & Research): 153-158. 1994.

Lawton R. Burns and Douglas R. Wholey. "Adoption and Abandonment of Matrix Management Programs: Effects of Organizational Characteristics and Interorganizational Networks." *Academy of Management Journal* 36(1): 106-138. 1993.

Lawton R. Burns, Douglas R. Wholey, and Marty O. Abeln. "Using Managed Care to Mainstream the Poor: Hospital Utilization and Mortality Levels for Patients in the Arizona Health Care Cost Containment System." *Inquiry* 30(2): 142-156. 1993.

Lawton R. Burns, Ronald M. Andersen, and Stephen M. Shortell. "Trends in Hospital/Physician Relationships." *Health Affairs* 12(3), 213-223. 1993.

Douglas R. Wholey and Lawton R. Burns. "Organizational Transitions: Form Changes by Health Maintenance Organizations." In *Research in the Sociology of Organizations*, Samuel Bacharach (Ed.) (Greenwich, CN: JAI Press): 257-293. 1993.

Lawton R. Burns. 1991 Medical Staff Survey Report. Division of Medical Affairs. (Chicago, IL: American Hospital Association). 1993.

Lawton R. Burns and Darrell P. Thorpe." Trends and Models in Physician- Hospital Organization." *Health Care Management Review* 18(4): 7-20. 1993.

Lawton R. Burns. *Physician-Hospital Relations: Bibliography Drawn from the Academic and Trade Literatures*. Chicago, IL: Hospital Research & Educational Trust. 1993.

Lawton R. Burns, Jon Chilingerian, and Douglas R. Wholey. "Factors Affecting Physician Efficiency in Managing Hospitalized Patients." In M. Malek (Ed.), *Strategic Issues in Health Care Management*. (Chichester: John Wiley): 211-228. 1993.

Linda D. Michigan, Lon N. Larson, JoLaine R. Drugalis, J. Lyle Bootman, and Lawton R. Burns. "Time Preference for Health Gains Versus Health Losses." *PharmacoEconomics* 3(5): 374-386. 1993.

Lawton R. Burns et al. "The Use of Continuous Quality Improvement Methods in the Dissemination of Medical Practice Guidelines." *Quality Review Bulletin* 18(12): 434-439. 1992.

Lawton R. Burns and Douglas R. Wholey. "The Impact of Physician Characteristics in Conditional Choice Models for Hospital Care." *Journal of Health Economics* 11: 43-62. 1992.

Lawton R. Burns and Douglas R. Wholey. "Factors Affecting Physician Loyalty and Exit: A Longitudinal Analysis of Physician-Hospital Relationships." *Health Services Research* 27(1): 1-24. 1992.

Lawton R. Burns, Denise Hurtado, and Leila Shehab. "Hospitals' Investment and Return from Volunteer Departments and Auxiliaries: Evidence from One Community." *Health Care Management Review* 16(4): 79-89. 1991.

Douglas R. Wholey and Lawton R. Burns. "Convenience and Independence: Do Physicians Strike a Balance in Admitting Decisions?" *Journal of Health and Social Behavior* Vol. 32(3): 254-272. 1991.

Lawton R. Burns and Douglas R. Wholey. "Differences in Access and Quality of Care Across HMO Types." *Health Services Management Research.* 4 (1): 32-45. 1991.

Lawton R. Burns and Douglas R. Wholey. "The Effects of Patient, Physician, and Hospital Characteristics on Length of Stay and Mortality." *Medical Care* 29 (3): 251-271. 1991.

Lawton R. Burns, Ronald M. Andersen, and Stephen M. Shortell. "The Effect of Hospital Control Strategies on Physician Satisfaction and Hospital-Physician Conflict." *Health Services Research* 25 (3): 527-560. 1990.

Lawton R. Burns. "The Transformation of the American Hospital: From Community Institution Towards Business Enterprise." In Craig Calhoun (Ed.) *Comparative Social Research, Vol. 12: Business Institutions.* (JAI Press): 77-112. 1990.

Lawton R. Burns. "Matrix Management in Hospitals: Testing Theories of Matrix Structure and Development." *Administrative Science Quarterly* 34 (3): 349-368. 1989.

Lawton R. Burns, Ronald M. Andersen, and Stephen M. Shortell. "The Impact of Corporate Structures on Physician Inclusion and Participation." *Medical Care* 27 (11): 967-982. 1989.

Lawton R. Burns, Douglas R. Wholey, and John Huonker. "Physician Use of Hospitals: Effects of Physician, Patient, and Hospital Characteristics." *Health Services Management Research* 2 (3): 191-203. 1989.

Lawton R. Burns and Selwyn Becker. "Leadership and Managership." In Stephen Shortell and Arnold Kaluzny (Eds.), *Health Care Management: A Text in Organizational Theory and Behavior*, 2nd Edition (John Wiley & Sons): 147-186. 1987.

Lawton R. Burns. "Hospital-Medical Staff Tensions: An Historical Overview and Analysis." *Medical Practice Management*. 1 (3): 191-198. 1986.

Lawton R. Burns, Ronald M. Anderson, and Stephen M. Shortell. "Evidence on Changing Hospital-Physician Relationships." In *Cost Containment and Physician Autonomy: Implications for Quality Care*, George Bugbee Symposium on Hospital Affairs, Graduate School of Business, University of Chicago: 122-142. 1986.

Lawton R. Burns. "A Framework to Measure the Impact of Hospital-Sponsored Primary Care on Patient Access." In *Hospital-Physician Sponsored Primary Care: Marketing and Impact*, by Lu Ann Aday, Ronald M. Anderson, et al. (Ann Arbor, Michigan: Health Administration Press): 20-34. 1985.

Lawton R. Burns and Selwyn Becker. "Leadership and Decision Making." In Stephen Shortell and Arnold Kaluzny, (Eds.), *Health Care Management: A Text in Organizational Theory and Behavior* (John Wiley & Sons): 128-166. 1983.

Lawton R. Burns. "Diffusion of Unit Management Among United States Hospitals" *Hospital and Health Services Administration*, Vol. 27 (2): 43-57. 1982.

Lawton R. Burns. "The Chicago School and the Study of Organization-Environment Relations." *Journal of the History of the Behavioral Sciences* 16: 342-358. 1980.

Kenneth E. Friend and Lawton R. Burns. "Sources of Variation in Job Satisfaction: Job Size Effects in a Sample of the U.S. Labor Force." *Personnel Psychology* 30 (Winter): 589-605. 1977.

#### **Book Reviews:**

*Mergers of Teaching Hospitals in Boston, New York, and Northern California* by John Kastor. Health Affairs 21(1): 266. 2002.

*Medicare's New Hospital Payment System: Is It Working?* by Louise Russell, American Political Science Review. 1992.

*Purchasing Power in Health: Business, The State, and Health Care Politics* by Linda Bergthold, American Political Science Review. 86(2): 524-525. 1992.

All Organizations are Public by Barry Bozeman, Contemporary Sociology (September).1988.

*Consumerism in Medicine* by Marie Haug and Bebe Lavin, American Journal of Sociology (January: 1004-1007. 1986.

# Wall Street Reports:

Salomon Brothers PPM Perspectives Series - Wharton Professor Interview. New York: Salomon Brothers. 1997.

# Case Studies:

Multispecialty Practice Plan at Academic Medical Center. 1997.

# **RESEARCH UNDER REVIEW & CURRENT MANUSCRIPTS**

### Articles/Book Chapters:

Lawton R Burns, Stefanos Zenios, and Lyn Denand. "Physician Inventors: Additives or Accelerants to Product Innovation in Medical Devices?"

Corinna Sorenson, Lawton R Burns, and Michael Drummond. "Medical Device Efficacy, Safety and Pricing Policy: A Comparative Analysis of The US and Europe."

Robert Town, Roger Feldman, Douglas Wholey, and Lawton R. Burns. "The Welfare Consequences of Hospital Mergers." *Journal of Health Economics*. Provisionally accepted.

Roger Feldman, Robert Town, Douglas Wholey, Lawton Burns. "Does Potential Competition Reduce HMO Premiums?"

Lawton R. Burns, Michael Housman, Robert Booth, and Aaron Koenig. "Surgeon Preference for Medical Device Implants and Surgeon-Vendor Relationships: Implications for Cost Containment."

Lawton R. Burns, Michael Housman, Robert Booth, and Aaron Koenig. "Comparative Effectiveness of Hip and Knee Implants: Orthopedists' Evaluation of Product Vendors."

Lawton R. Burns, Gloria Bazzoli, and Linda Dynan. "Considerations and Conclusions Regarding Organizational Change."

Lawton R. Burns, Harbir Singh, Jeffrey Alexander, and Howard Zuckerman. "Make, Buy, or Ally: Impact of Governance Mode on Trading Partner Alignment."

# **RECENT INDUSTRY PRESENTATIONS**

Palo Alto Medical Foundation (Palo Alto), July 1994
Western Network for Healthcare Education (Berkeley, CA), August 1994
Berlex Laboratories (NJ), January 1995
Main Line Health (Radnor, PA), January 1995
Medical Group Management Association, January 1995
St. Luke's Medical Center (K.C.), January 1995
Center for Physician Development, Beth Israel Hospital (Boston), May 1995
Johnson & Johnson Wharton Fellows Program, June 1995
American Healthcare Radiology Administrators (Nashville, TN), August 1995
Orthopedics in a Managed Care Environment (Scottsdale, AZ), October 1995
Massachusetts Health Data Consortium (Boston), September 1995
Berlex Laboratories (NJ), January 1996
Geisinger Medical Center (Danville, PA), January 1996

American Society of Ophthalmic Administrators, February 1996 Main Line Health (Radnor, PA), February 1996 Geisinger Medical Center (Danville, PA), May 1996 Johnson & Johnson Wharton Fellows Program, June 1996 American Society of Cataract and Refractive Surgery (Nashville), July 1996 VA/VISN 11 Task Force (An Arbor), November 1996 Health Strategy Network (Philadelphia), December 1996 American Society of Ophthalmic Administrators, January 1997 Main Line Health (Radnor, PA), February 1997 UNUM Insurance, March 1997 AHA Center for Health Care Leadership (Chicago), June 1997 Johnson & Johnson Wharton Fellows Program, June 1997 Prime Care/Merck (Staten Island), June 1997 Association of Professors of Medicine (Philadelphia), July 1997 University of Alabama Alumni of Health Administration (Fort Walton Beach), August 1997 HRET Future Focus Forum (Boston), September 1997 Illinois Hospital & Health Systems Association (Chicago), October 1997 Brazilian Social Security Cultural Institute, November 1997 Catholic University of Rome (Rome), November 1997 Italian National Agency for Health Care Services (Rome), November 1997 Memorial Health System (Springfield, IL), November 1997 Main Line Health (Radnor, PA), December 1997 American Society of Ophthalmic Administrators, January 1998 Association of Professors of Medicine (Scottsdale), February 1998 American Organization of Nurse Executives, March 1998 (San Diego) American Society of Cataract and Refractive Surgery (Phoenix), March 1998 University of Alabama Executive Education Program for Physicians, March 1998 UNUM Insurance, March 1998 Johnson & Johnson Wharton Fellows Program, June 1998 Riverview Medical Center (Red Bank, NJ), June 1998 Smithkline Beecham, June 1998 Small & Rural Hospitals Constituency Section, IHHA (Springfield, IL), September 1998 National Association of Children's Hospitals (Houston), October 1998 Meridian Health System (NJ), October 1998 University of Alabama Executive Education Program for Physicians, October 1998 Premier Health Alliance (Chicago), November 1998 Martins Point Health Care (Portland, ME), January 1999 Association of Professors of Medicine (Scottsdale), February 1999 Children's Hospital (Columbus, OH), February 1999 Children's Memorial Hospital (Chicago, IL), February 1999 Christiana Care Physicians Organization (Wilmington, DE), February 1999 Johnson & Johnson (New Brunswick, NJ), February 1999 Martins Point Health Care (Portland, ME), February 1999 Integrated Healthcare 2000 (Vail, CO), March 1999 IBM Global Services (Palm Beach), April 1999 Interurban Clinical Club (Philadelphia), April 1999 East Coast Health Care Executive Summit (Boston), June 1999 Johnson & Johnson Wharton Fellows Program. June 1999 Premier Practice Management (Charlotte), June 1999 Annual Symposium on Governing Integrated Healthcare Systems (Aspen, CO), August 1999 University of Alabama Alumni of Health Administration (Fort Walton Beach), August 1999 Wisconsin Health & Hospital Association Convention (Lake Geneva), September 1999 Austral University (Argentina), October 1999 IBM Global Services (Palm Beach), October 1999 The Global Rx Supply Chain Conference (Philadelphia), October 1999 University of Alabama Executive Education Program for Physicians, October 1999

Symposium for Governing Healthcare Systems (Palm Springs), November 1999 Symposium on Governing/Managing Integrated Health Systems (Naples), January 2000 Annual Winter Symposium on Integrated Healthcare (Aspen), March 2000 Centocor/Johnson & Johnson (Cincinnati), April 2000 INSEAD, Seminar on Healthcare Management (Fontainebleau), May 2000 Merck Advisory Board (Chicago), May 2000 National Association of Children's Hospitals (Philadelphia), September 2000 SmithKline Beecham (Philadelphia), September 2000 University of Alabama Physician Leadership Institute (Birmingham), October 2000 Johnson & Johnson Hospital Program/National University of Singapore, November 2000 Sparrow Hospital and Health System (Lansing, MI), November 2000 Glaxo SmithKline Industry Conference, (Raleigh, NC), May 2001 J&J Wharton CEO Program in Health Care Leadership (Philadelphia), October 2001 Johnson & Johnson Hospital Program/National University of Singapore, November 2001 Johnson & Johnson Health System CEO Forum (Philadelphia, PA), December 2001 Ochsner Clinic Foundation (New Orleans, LA), December 2001 Chestnut Hill Health Care - Board Retreat (Philadelphia), February 2002 Glaxo SmithKline Pharmacy Leaders (Philadelphia), February 2002 Health Industry Distributors Association (Tucson, AZ), March 2002 College of Surgeons (Philadelphia), "Lessons from the Allegheny Bankruptcy," April 2002 Center for Health Management Research CHMR Value Chain," May 2002 Goldman Sachs Institutional Investors (NYC), "Improving the Health Care Value Chain," May 2002 Health Industry Group Purchasing Association Global Summit (Amsterdam), May 2002 Putnam Institutional Investors (Boston), "Improving the Health Care Value Chain," May 2002 Accenture Conference on Supply Chain Excellence (London, UK), June 2002 Association for Health Services Research and Policy (Washington D.C.), June 2002 Johnson & Johnson Nurse Fellows Program, "Integrated Delivery Networks," June 2002 American Society of Ophthalmic Administrators and American Society of Corrective and Refractive Surgeons (ASOA/ASCRS), August 2002 Association for Health Resource and Materials Management (San Antonio), August 2002 IDN Summit (Atlanta), "Improving the Health Care Value Chain," September 2002 UniMED (Sao Paolo), September 2002 VHA West Materials Managers Meeting, September 2002 Workshop on Antitrust in Health Care. Federal Trade Commission (Washington D.C.), "Group Purchasing Organizations and Antitrust Implications," September 2002 Health Industry Group Purchasing Association (Orlando), October 2002 Healthcare Marketing and Manufacturers Council (Chicago), November 2002 Johnson & Johnson Hospital Management Program (Singapore), November 2002 Premier 2002 Partnerships Meeting (Chicago). November 2002 Dade Behring (Fort Lauderdale), January 2003 Premier Governance Education Conference (Naples), January 2003 NCI Conference on Hospital Systems (Orlando), January 2003 International Pharmaceutical Wholesalers Conference (New York), February 2003 Aventis Pharmaceuticals (Philadelphia), April 2003 Inova Health Systems (Virginia), April 2003 VHA Leadership Conference (Boston), April 2003 Premier Leadership Conference (Las Vegas), May 2003 Humana (Philadelphia), June 2003 Association of Biotechnology Financial Officers (Scottsdale), June 2003 UniMED (Sao Paolo), July 2003 Dade Behring Executive Team (Philadelphia), July 2003 Association of Healthcare Resource and Materials Managers (San Diego), August 2003 McKesson Corporation (Atlanta), August 2003 W.L. Gore & Associates (Maryland), August 2003 UNIMED (Philadelphia), September 2003 Kettering Medical Center Network (Dayton), October 2003

DePuy, November 2003 Johnson & Johnson Hospital Management Program (Singapore), November 2003 Ethicon (Somerville, NJ), January 2004 Health Industry Distributors Association (Amelia Island Plantation), March 2004 Lehigh Valley Health System (Allentown), March 2004 Heritage Valley Health System (Beaver, PA), April 2004 New England Health Care Assembly (Worcester, MA), April 2004 Ohio State Medical Society (Cincinnati), May 2004 Inova Health System (Virginia), May 2004 American Medical Association - HMSS Section (Chicago), June 2004 Johnson & Johnson Contract Excellence (Princeton), September 2004 Chesapeake General Hospital (Williamsburg), September 2004 Biosciences Forum (Philadelphia), October 2004 Cooper Heart Institute (Voorhees, NJ), October 2004 Adventist Health Care (Nemacolin, PA), October 2004 Christiana Care (Wilmington, DE), November 2004 Christiana Care (Wilmington, DE), January 2005 Cooper University Hospital (Camden, NJ), May 2005 Cerner Corporation May 2005 HDMA (Orlando, FL), June 2005 Johnson & Johnson Wharton Nurse Fellows Program, June 2005 Maine Health (Bar Harbor, ME), October 2005 Greater New York Hospital Association (NYC), October 2005 DePuy (Puerto Rico), January 2006 Broadlane Annual Client Summit (Dallas), March 2006 Owens & Minor Board Retreat (Richmond), March 2006 Johnson & Johnson/ Wharton Executive Management Academy, April 2006 Cooper University Hospital - Heart Institute Advisory Board, May 2006 Medtronic Marketing Leader Program (Minneapolis), May 2006 Johnson & Johnson/Wharton Nurse Fellows Program, June 2006 Medtronic Directors Program, July 2006 Sisters of Charity of Leavenworth Health System (San Diego), October 2006 Health Industry Group Purchasing Association (HIGPA), 2006 Expo, October 2006 National Federation of Municipal Analysts. (Washington, D.C.), November 2006 ECRI Conference on "Confronting Dilemmas of Risk in Healthcare" (Plymouth Meeting, PA), November 2006 Greater New York Hospital Association (NYC). November 2006 Johnson and Johnson/ Wharton Hospital CEO Program, November 2006 South Jersey Healthcare, December 2006 Medtronic Director Development Program, January 2007 World Congress Summit on Healthcare Supply Chain Management, January 2007 Johnson & Johnson Health Care Systems National Meeting, February 2007 Lancaster General Hospital Leadership Conference, April 2007 Medtronic Directors Program, May 2007 United Healthcare (Minneapolis), May 2007 Cooper Health System, June 2007 Healthcare Distribution Management Association, June 2007 Johnson & Johnson/ Wharton Nurse Fellows Program, June 2007 Teva Pharmaceuticals. June 2007 Eisai Pharmaceuticals, July 2007, August 2007 Hospital & Healthcare Association of Pennsylvania, July 2007 Novartis, July 2007 United HealthCare, July 2007 Medtronic Directors Program, August 2007 University of Miami / Humana Health Services Research Center, January 2008 United Healthcare, January 2008 Kaiser Permanente Institute for Health Policy, February 2008

United HealthCare, April 2008 Cooper University Hospital, May 2008 Trinity College - Dublin, June 2008 Health Services Executive, Republic of Ireland, June 2008 Johnson & Johnson / Wharton Nurse Fellows Program, June 2008 Medtronic Directors Program, June 2008 Lehigh Valley Health System, June 2008 Health Industry Group Purchasing Association (HIGPA), October 2008 Ephrata Community Hospital. September 2008 American Health & Drug Benefits Conference, October 2008 World Health Care Information Technology Congress, December 2008 Novartis, February 2009 Astra-Zeneca, March 2009. LeHigh Valley Health System, April 2009 West Penn Allegheny Health System, April 2009 McKesson, April 2009 West Penn Allegheny Health System, June 2009 Boston Scientific, June 2009 Cooper Heart Institute, June 2009 Johnson & Johnson / Wharton Nurse Fellows Program, July 2009 Beijing University, August 2009 Anesthesia Business Group, September 2009 American Health & Drug Benefits Conference, October 2009 Indian School of Business, Hyderabad, January 2010 World Economic Forum, Davos (Switzerland), January 2010 West Penn Allegheny Health System, March 2010 Medtronic, March 2010 Universal Health Services, March 2010 Wheaton Franciscan Health System, April 2010 Johnson & Johnson/Wharton Nurse Fellows, June 2010 Anesthesia Business Group, September 2010 Sanofi/Aventis, September 2010 Cooper Heart Institute, September 2010 Academy Health and Research Insights, December 2010 and February 2011 Methodist Health System, February 2011 Lockheed Martin, March 2011 Becton Dickinson, April 2011 Association of Health Journalists, April 2011 VHA Leadership Conference, May 2011 MacEachern Symposium/Kellogg Graduate School of Management, May 2011 West Penn Allegheny Health System, June 2011 Johnson & Johnson, June 2011 Harkness Fellows Program, September 2011 APAX Partners, October 2011 Anesthesia Business Group, January 2012 PricewaterhouseCoopers, March 2012 Morgan Stanley, May 2012 US-China Biopharma Congress 2012 & SAPA-GP 10th Annual Conference, June 2012 HealthTrust, July 2012 Rite-Aid, August 2012 Edwards Life Sciences, December 2012 Anesthesia Business Group, January 2013 Astra-Zeneca, January 2013 US Congressional Staffers & Health Industry Group Purchasing Association, January 2013 Edwards Life Sciences, April/May 2013 Rite-Aid, August 2013

Edwards Life Sciences, August 2013 Novo Nordisk, December 2013 Anesthesia Business Group, January 2014 Novo Nordisk, January 2014 Securities Industry Institute, March 2014 Novo Nordisk, April 2014 World Bank, April 2014 Wharton Global Forum – Beijing , June 2014 Novo Nordisk, October 2014 Novartis, October 2014 Edwards Life Sciences, October 2014 Vertex Pharmaceuticals, November 2014 Edwards Life Sciences, November 2014 Webinar on India's Healthcare System, November 2014

### ACADEMIC DIRECTOR - EXECUTIVE EDUCATION PROGRAMS

American Society of Ophthalmic Administrators (ASOA), August 2002

Johnson & Johnson Health Care Systems, April 2003

Aventis Pharmaceuticals, January 2003, April 2003, October 2003, February 2004

Humana, June 2003

Eisai Pharmaceuticals, July - December 2007

Novo Nordisk, October 2014

#### FEDERAL GOVERNMENT: EXPERT WITNESS TESTIMONY

Federal Trade Commission: "Group Purchasing Organizations and Antitrust Implications." Workshop on Antitrust in Health Care. Federal Trade Commission. September 9, 2002.

Federal Trade Commission: "Hospital Vertical Integration and Antitrust Implications." Joint FTC/DOJ Hearings on Health Care and Competition Law and Policy. April 9, 2003.

Senate Judiciary Committee, Subcommittee on Antitrust, Hearings on Independence Blue Cross, April 12, 2004.

Federal Trade Commission. Expert Witness, FTC v. Piedmont Health Alliance. 2004.

Federal Trade Commission. Expert Witness, FTC v. Evanston Northwestern Healthcare Medical Group. 2004-2005.

Medicare Payment Advisory Commission. (MedPAC), "Perspectives on Physician Group Practices," October 2006.

Senate Judiciary Committee, Subcommittee on Antitrust, Hearings on IBC - Highmark Merger. April 9, 2007

Pennsylvania Senate, Committee on Banking and Insurance, Hearings on IBC - Highmark Merger. June 26, 2007.

Federal Trade Commission, "Clinical Integration in Health Care: A Check-up," May 29, 2008

Department of Justice. Expert Witness, DOJ v. Childrens' Health Associates, 2009.

IRS Commisioner v. Boston Scientific, January 2013

### PRIVATE SECTOR: EXPERT WITNESS TESTIMONY

Cravath, Swaine, and Moore. Unsecured Creditors of Allegheny Health, Education and Research Foundation v. PricewaterhouseCoopers. 2004-2005.

Sidley Austin. ConMed Corporation v. Ethicon/Ethicon Endo-Surgery. 2005.

Boies, Schiller & Flexner. Spartanburg Regional Healthcare System v. Hillenbrand Industries. 2005.

Winston and Strawn. Rochester Medical Corporation v. C.R. Bard. 2006.

ECRI v. Guidant, 2007

Goodwin Proctor. USA v. Richard Lane, 2008.

Winston and Strawn. Southeast Missouri Hospital and Saint Francis Medical Center v. C.R. Bard, 2009.

Venable. Retractable Technologies Inc. v. Abbott Laboratories, 2009-2010.

Baker and McKenzie. Medtronic Inc. v. IRS Commissioner, 2010.

Morgan, Lewis and Bockius. USA v. Amgen, 2011.

Greenberg Traurig. Freedom Medical v. Universal Hospital Services, 2011.

Lenox MacLaren v. Medtronic, 2012.

Lowis & Gellen, Fabiszak v. Silver Cross Hospital, 2013

Bubb, Grogan, and Cocca, AHS Hospital Corporation v. Town of Morristown, 2013

#### **PROFESSIONAL ACTIVITIES**

#### **Editorial Board:**

Health Care Management Review (1992-2000). Associate Editor (1994-2000) Health Services Research (1994-Present) AUPHA / Health Administration Press

#### **Governmental Research Review Committees:**

Agency for Health Care Policy & Research: Health Services Research Review Subcommittee (1994-1998)

#### **Consulting Reviewer (Journals):**

Academy of Management Journal Administrative Science Quarterly Health Affairs Health Care Management Review Inquiry Journal of American Medical Association Journal of Health Economics Journal of Management Studies Medical Care Milbank Fund Quarterly Social Science and Medicine Strategic Management Journal

### **Consulting Reviewer (Grants):**

Agency for Health Care Policy and Research (Rockville, MD) Health Care Financing Administration (Baltimore, MD) Robert Wood Johnson Foundation Veterans Administration (Washington, DC)

#### **Affiliations:**

Academy of Management American Hospital Association Association for Health Services Research

# TEACHING

Integrated Delivery Systems Analysis of Health Systems Comparative Health Care Management Organizational Behavior Health Care Strategy Organizational Change Innovation in India's Health Care System Seminar on the Professions Health Care Policy Evaluation Research Issues in Rural Health Care Managed Care & Industrial Organization of Healthcare Strategic Implementation China's Healthcare System & Reform