

# Healthcare Services Delivery: A Managerial Economic Approach

HCMG 852 / HCMG 352

Spring 2014

Mon/Wed 1:30 p.m. –2:50 p.m.

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**Objectives** The purpose of this course is to apply economics to an analysis of the health care industry, with special emphasis on the unique characteristics of the US healthcare markets, from pre-hospital to post-acute care. This course focuses on salient economic features of health care delivery, including: the role of nonprofit providers, the effects of regulation and antitrust activity on hospitals, the degree of input substitutability within hospitals, competition in home health care, public versus private provision of emergency medical services, the effect of specialty hospitals and ambulatory surgery centers, innovative models of primary care delivery, defining and improving medical performance in hospitals, specialization and investment in physical and human capital, and shifting of services between inpatient and outpatient settings and its effect on health care costs and quality.

## **Grading**

- Class Participation 15%
- Midterm Exam 60%
- Student Presentation 25%

## **WebCafe**

We have established a CANVAS room for HCMG852. This will serve as our primary communication channel. All class materials will be posted there. The URL for CANVAS is:

<https://wharton.instructure.com/courses/1225166>. You can log on using your usual Wharton username and password. Registered students will automatically have access. If you are not a Wharton student, you can get an account online at: <http://accounts.wharton.upenn.edu>. In case of any problems, you can apply in person at F35 JMHH, which is the Wharton computer consulting office. If you have questions about using CANVAS, contact the CANVAS Team at: [courseware@wharton.upenn.edu](mailto:courseware@wharton.upenn.edu).

**Readings:** All readings will appear in an electronic format on Canvas. Note that all readings below are suggested and hence, optional.

## **Topics and Reading Assignments** ( \*\* denotes key readings)

### **January 15: Introduction to the U.S. Healthcare Industry and its Unique Characteristics**

- \*\* Arrow, Kenneth “Uncertainty and the Welfare Economics of Medical Care” *American Economic Review* 1963; 53(5):941-973

### **January 22: Money & Medicine**

### **January 27: On the Objectives and Behavior of Nonprofit Hospitals in the U.S.**

Frank, Richard and David Salkever. “Non profit Organizations in the Health Sector”, *Journal of Economic Perspectives*, Vol 8, 1994, pp129-144.

Schlesinger, Mark, Shannon Mitchell, and Bradford H. Gray, “Public Expectations Of Nonprofit And For-Profit Ownership In American Medicine: Clarifications And Implications” *Health Affairs*, 23(6): 181-191, 2004.

Malani, Anup, Tomas Philipson and Guy David, “Theories of Firm Behavior in the Non-Profit Sector: A Synthesis and Empirical Evaluation.” in The Governance of Not-for-Profit Firms, Edward Glaeser, Editor. University of Chicago press, 2003.

David, Guy “The Convergence between Nonprofit and For-Profit Hospitals in the United States.” *International Journal of Health Care Finance and Economics*, Vol. 9(4), pp 403-428, December 2009.

### **January 29: Why do For-Profit and Nonprofit Providers Coexist in the Same Market?**

Nicholson, Sean, Mark Pauly, Lawton Burns, Agnieszka Baumritter, and David Asch. “Measuring Community Benefits Provided By For-profit And Nonprofit Hospitals.” *Health Affairs* Vol 19 (6) 2000.

Community Catalyst, Inc. report “Not There When You Need It: The Search for Free Hospital Care”, Boston, MA October 2003. [available via [www.communitycatalyst.org](http://www.communitycatalyst.org)]

David, Guy and Lorens A. Helmchen, “An Uncertain Prescription: Are Tax Exemptions for Nonprofit Hospitals an Efficient Way to Fund Indigent Care?” *Regulation*, Vol. 29 (2), pp 14-16, June 2006.

### **February 3: Cost-Shifting and Cross-Subsidization Behavior of Hospitals and Physicians**

Clement, J. “Dynamic cost shifting in hospitals: Evidence from the 1980’s and 1990’s” *Inquiry* 35 (1997/1998) 340-350.

Morrissey, Michael A., “Cost-Shifting: New Myths, Old Confusion, and Enduring Reality” *Health Affairs*, October 2003.

Showalter, M. “Physicians’ cost shifting behavior: Medicare versus other patients” *Contemporary Economic Policy*, 15 (1997) 74-84.

- \*\* David, Guy, Richard Lindrooth, Lorens Helmchen and Lawton Burns, “Do Hospitals Cross Subsidize?” *NBER Working Paper* #17300.

### **February 5: Do Nonprofit Hospitals Justify their Tax Exempt Status? - Ralph W. Muller, Chief Executive Officer, University of Pennsylvania Health System.**

**February 10: Clinical Integration – Steven Levin, MBA, Managing Director of The Chartis Group**

**February 12: Introduction to Antitrust and Regulation in Health Care**

Hammer, Peter J. and William M. Sage, “Critical Issues in Hospital Antitrust Law “ *Health Affairs*, vol 22: 88-100, Nov/Dec 2003.

Van Etten, Peter, “Camelot Or Common Sense? The Logic behind the UCSF/Stanford Merger Source” *Health Affairs*, vol 18: 143-148, March/April 1999.

**February 17: Antitrust and Regulation in Health Care (cont.)**

Havighurst, Clark C., “Monopoly Is Not the Answer” *Health Affairs*, August 2005.

Lynk, William. J., “Property Rights and the Presumptions of Merger Analysis.” *Antitrust Bulletin*, 39: 363-383; 1994.

Arizona v. Maricopa County Medical Society, Supreme Court of the United States, 1982 (457 U.S. 332, 102 St.Ct. 2466, 73 L.Ed.2d 48).

\*\* Philipson Tomas. J., and Richard. A. Posner “Antitrust and the Not-For-Profit Sector”, *Journal of Law and Economics*, 52(1): 1-18, 2009.

\*\* Capps, Cory, Dennis Carlton and Guy David, “Antitrust Treatment of Nonprofits: Should Hospitals Receive Special Care?” working paper 2010.

**February 19: Antitrust Laws, Regulation and Competition - Jeffrey H. Perry, J.D., Assistant Director, Mergers IV Division, Bureau of Competition, Federal Trade Commission.**

**February 24: Division of Labor and Specialization: the Case of Hospitalists in the US**

Meltzer, David, “Hospitalists and the Doctor-Patient Relationship” *Journal of Legal Studies* v30, n2 (Part 2): Page 589-606, June 2001.

Dynan, Linda, Rebecca Stein, Guy David, Laura Kenny, Amy Short and Mark Eckman, “Hospitalist Efficiency Decomposed: A Qualitative and Quantitative Study.” *Medical Care Research and Review*, Vol. 66(6), pp 682-702, Dec 2009.

Wachter, Robert, “Hospitalists in the United States – Mission Accomplished or Work in Progress?”, *The New England Journal of Medicine*, May 2004.

Becker, Gary and Kevin M. Murphy, “The Division of Labor, Coordination Costs, and Knowledge,” *Quarterly Journal of Economics*, 1992, Vol. 107, No. 4. pp. 1137-1160

\*\* David, Guy, Lorens Helmchen and Robert Henderson, ”Does Advanced Medical Technology Encourage Hospitalist Use and Their Direct Employment by Hospitals?” *Health Economics*, Vol. 18(2), pp 237-247, February 2009.

\*\* David, Guy and Lorens Helmchen, ”The Role of Task Adhesion in Limiting Specialization along the Medical Care Continuum.” *Review of Labour Economics and Industrial Relation*, 2011, Vol. 25(1), pp 24-44.

Rosen, Sherwin, “Specialization and Human Capital” *Journal of Labor Economics*, 1983; 1(1): 43-49.

**February 26: Hospital of the Future: Hospitalists Leading the Change - Laurence Wellikson, MD, CEO of the Society of Hospital Medicine**

Mark V. Williams, “The Future of Hospital Medicine: Evolution or Revolution?” September 2004, *The American Journal of Medicine*, Vol. 117.

Wachter RM, Goldman L. “The Emerging Role of “hospitalists” in the American Healthcare System” *New England Journal of Medicine*, 1996; 335:514-7.

**March 3: Defining and Improving Health Care Organization Performance - Craig Samitt, MD, MBA, and Executive Vice President HealthCare Partners and former President and Chief Executive Officer at Dean Health System.**

**March 5: Regulation, Competition and Vertical Integration in Home Health**

Lehrman, Susan and Karen K Shore., “Hospitals' vertical integration into skilled nursing: A rational approach to controlling transaction costs” *Inquiry*, Vol. 35(3): 303-315, Fall 1998.

\*\* Charles, Kerwin and Purvi Sevak “Can family caregiving substitute for nursing home care?” *Journal of Health Economics* 24 (2005) pp 1174–1190.

\*\* David, Guy, Dan Polsky and Evan Rawley “Integration and Task Allocation: Evidence from Patient Care.” *Journal of Economics and Management Strategy*, 2013.

\*\* Polsky, Dan, David Guy, Jianing Yang, Bruce Kinoshian, and Rachel Werner. “The Effect of Entry Regulation in the Health Care Sector: the Case of Home Health”, Forthcoming in *Journal of Public Economics*.

--- SPRING BREAK ---

**March 17: The Challenges of Managing a Home Health Agency – David Baiada, MBA, Practice Leader, Home Health, Bayada Nurses.**

**March 19: Hospice Care - Sharon Vogel, MBA, Director of Hospice Services, Bayada Nurses and Adam Groff, M.D. - Hospice Practice Leader and Division Director, Bayada Nurses and Assistant Professor at Geisel School of Medicine at Dartmouth and at The Dartmouth Institute for Health Care Policy & Clinical Practice.**

**March 24: Innovation in Primary Care**

**March 26: Personalized Healthcare – Andrea Klemes, DO , Chief Medical Officer of MDVIP.**

**March 31: Innovative Approches in Primary Care: Where do Retail Clinics Fit in? – Alan London, M.D., Chief Medical Officer, Take Care Health Systems (Walgreens)**

**April 2: Specialty Hospitals and Ambulatory Surgery Centers**

Burns R. Lawton., Guy David, and Lorens Helmchen, “Strategic Response by Providers to Specialty Hospitals, Ambulatory Surgery Centers, and Retail Clinics.” *Population Health Management*, April 2011, Vol. 14(2) pp.69-77.

Medicare Payment Advisory Commission (2005). *Report to the Congress: Physician-Owned Specialty Hospitals*. Washington, D.C.: March 2005.

Greenwald L., Cromwell J., Adamache W., Bernard S., Drozd E., Root E., and Devers K (2006). “Specialty versus community hospitals: referrals, quality, and community benefits,” *Health Affairs*, 25(1):106-18, 2006 Jan-Feb.

- \*\* David, Guy and Mark Neuman, “Physician Division of Labor and Patient Selection for Outpatient Procedures.” *Journal of Health Economics*, March 2011, Vol. 30(2), pp 381-391.

**April 7: Translation of Evidence into Practice in the 21st Century – Patrick .J Brennan, M.D., Chief Medical Officer & Senior Vice President, University of Pennsylvania Health System.**

**April 9: Public versus Private Emergency Medical Services**

- \*\* Hart, Oliver, Andrei Shleifer and Robert W. Vishny, “The Proper Scope of Government: Theory and an Application to Prisons” *The Quarterly Journal of Economics*, Nov 1997.
- \*\* David, Guy and Arthur Chiang “The Determinants of Public versus Private Provision of Emergency Medical Services” *International Journal of Industrial Organization* Vol. 27(2), pp 312-319, March 2009.

**April 14: A Hospital System Model of Disease Management - David A. Horowitz, M.D., Senior Medical Director for Quality and Chief Medical Officer of Penn Care at Home, University of Pennsylvania Health System.**

Bodenheimer, Thomas and Alicia Fernandez, “High and Rising Health Care Costs. Part 4: Can Costs Be Controlled While Preserving Quality?” July 2005, *Annals of Internal Medicine*, Vol. 143 (1).

Goetzel, Ron Z., Ronald J. Ozminkowski, Victor G. Villagra, and Jennifer Duffy, “Return on Investment in Disease Management: A Review” Summer 2005, *Health Care Financing Review*, Vol. 26 (4).

**April 16: Midterm Exam**

**April 21: An Overview of the “In-Home Medical Equipment and Services” Industry - Richard Chesney, Founder and CEO of Healthcare Market Resources.**

O’Roark, Brian and Stephen Foreman , “The Impact of Competitive Bidding on the Market for DME”, 2008

Katzman, Brett and Kerry Anne McGearry. “Will Competitive Bidding Decrease Medicare Prices?”, *Southern Economic Journal* 2008, 74(3), 839-856.

**April 23 – April 30: Students presentations**