

CORE COURSE IN HEALTH POLICY 2007-2008
HEALTH POLICY 2000/HCP 597

CLASS MEETINGS

Tuesday & Thursday, 4-6pm
Kennedy School of Government, Room T401

INSTRUCTORS

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TEACHING FELLOW

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COURSE OVERVIEW

This course is intended to familiarize doctoral students with the health policy research literature and selected questions in the field. It is a year-long course that includes a large number of guest lectures by faculty from the Faculty of Arts & Sciences, the Kennedy School of Government, the School of Public Health, the Medical School, the Business School, and the Law School. Discussion sessions will be interspersed with the invited lectures and will examine the policy relevance, research methods and technical details of many of the presented topics in more depth.

READINGS

Readings for the course will generally consist of journal articles to be read before each lecture. "Course packs" of photocopied articles will be available throughout the year from the Kennedy School Course Materials Office on the ground floor of the Belfer Building. It is also suggested that you purchase the following books:

- Newhouse, J.P. and the Health Insurance Experiment Group. *Free for All? Lessons from the RAND Health Insurance Experiment*. (Available in paperback from Harvard University Press, located in the Holyoke Center)
- Newhouse, J.P. *Pricing the Priceless: A Health Care Conundrum*. Cambridge, The MIT Press: 2002. (Also available in paperback)
- Oberlander, J. *The Political Life of Medicare*. Chicago, University of Chicago Press: 2003. (Available from the Harvard Coop)

These titles are also on reserve at the Kennedy School library.

COURSE REQUIREMENTS**REQUIREMENTS*****Attendance & Participation:* 20%**

This course meets twice per week. Students are expected to attend and participate in the 2-hour lecture and discussion sessions. This participation includes reading 3-4 relevant articles assigned by the lecturers prior to each class. If you are unable to attend a lecture, please let the teaching fellow know by email in advance of the session.

***Written Assignments: (for the year)* 80%**

There will be written assignments for most of the 8 seminar sections, and a 10-15 page research proposal that students will develop throughout the Spring semester. Section assignments will include short essay questions, a literature review, and critical appraisals of published research papers. Due dates are as follows:

Fall

Essay #1 (Public Health): 10/18

Essay #2 (Politics of Health): 11/15

Essay #3 (Quality or Ethics): 12/18

Literature Review: 1/31

Spring

2-3-Paragraph Summary of Research Proposal: 2/21

Article Critique (Research Methods): 2/28

2-page Description of Study Design/Methods: 4/1 (reviewed by JN/RF/AZ)

Assignment (Economics of Health): 4/15

Presentation of Research Proposal: TBD

Final Research Proposal: 5/6 (reviewed by JN/RF/AZ)

Human Subjects Training:

To pass the Spring semester, students will be expected to complete an online Human Subjects Training Course and present verification. The training can be accessed through the following link:

http://vpf-web.harvard.edu/osr/support/human_subject/index.html

COURSE SYLLABUS

FALL SEMESTER 2007

Please note that locations of readings are indicated in brackets below each citation. For readings that are available electronically, you can use the links below or search directly for the articles using the Harvard E-Research website: <http://e-research.lib.harvard.edu>.

SECTION I: OVERVIEW (SECTION LEADER: JOE NEWHOUSE)

09/18 Determinants of Health (D. Cutler)

Cutler, David M., Angus Deaton, and Adriana Lleras-Muney, "The Determinants of Mortality", NBER Working Paper No. 11963, January 2006.

[Available at: http://www.princeton.edu/~rpds/downloads/cutler_deaton_lleras-muney_determinants_mortality_nberdec05.pdf]

Fogel, Robert W., *The Escape from Hunger and Premature Death, 1700-2100*, Cambridge: Cambridge University Press, 2004, Chapters 1 and 2, pp. 1-42.

[Packet]

World Health Organization, *World Health Report, 2003*, Chapter 1, pages 1-22.

[Available at: <http://www.who.int/whr/2003/en/Chapter1-en.pdf>]

Preston, Samuel H., "American Longevity: Past, Present, and Future," Policy Brief; publisher: Maxwell School of Citizenship and Public Affairs/Center for Policy Research; 1996; pp. 1-18.

[Packet]

This class discusses the evolution of human health over time, and briefly across space. The goal is to familiarize you with basic demographic trends that affect health policy debates.

09/20 Overview of Course and Health Care Financing (J. Newhouse)

Fuchs, Victor R. *Who Shall Live: Health, Economics, and Social Choice* (expanded edition); publisher: World Scientific, 1998; Introduction, Chapters 1 and 6. Also "What Every Philosopher Should Know About Economics," pp. 155-164. On Reserve at Littauer Library, KSG, but it would be reasonable to buy this book, since it is a classic.

[Book-On Reserve at Littauer Library, KSG]

Be prepared to comment on the themes of the Fuchs book.

09/25 Introduction to U.S. Health Care (H. Huskamp)

Aaron Catlin, Cathy Cowan, Stephen Heffler, Benjamin Washington the National Health Expenditure Accounts Team. National Health Spending in 2005: The Slowdown Continues. *Health Affairs*, January/February 2007; 26(1): 142-153.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/content/full/26/1/142>]

Robert Ball, "What Medicare Architects Had in Mind," *Health Affairs*, 14(4): 62-72, (Winter 1995).

[Available at: <http://content.healthaffairs.org/cgi/reprint/14/4/62>]

"Medicare at a Glance." April 2005, Kaiser Family Foundation fact sheet.

[Available at: <http://www.kff.org/medicare/upload/1066-10.pdf>]

"The Medicaid Program at a Glance." January 2005, Kaiser Family Foundation fact sheet.

[Available at: <http://www.kff.org/medicaid/7235.cfm>]

This session is intended to provide a basic overview of the U.S. health care system -- how much we spend, the role of the government in financing health care, gaps in our health insurance system, and issues of value and quality of care. Most of the topics we will cover will be addressed in greater length in individual sessions later in the year -- this session is intended to provide background. Although most of the class will be in lecture format given the amount of material to cover and the nature of the session, be prepared to discuss what you see as the strengths and weaknesses of our system.

9/27 Discussion Section (K. Backes Kozhimannil)

SECTION II: PUBLIC HEALTH (SECTION LEADER: JOSH SALOMON)**GENERAL OBJECTIVES:**

Public health provides the theoretical basis for prevention and the practical tools for population-based care. A major emphasis of this section will be on the development, interpretation, and use of evidence for public health policy. The section aims to provide exposure to the techniques used to evaluate public health problems in the U.S. and globally, and to develop effective strategies to respond to these problems. Students should expect, through the sessions, discussions, and readings to gain the following:

1. A broad exposure to population-based information systems, intervention strategies and analytic methods with an emphasis on their real-world relevance via national and international case studies;
2. An understanding of the way that evidence drawn from diverse data sources, combined with analytic tools from disciplines such as epidemiology, economics and statistics, intersects with other considerations such as politics in the evolution of public health policy.
3. An appreciation for the role, magnitude, and nature of social, racial and cultural disparity in nearly all global public health problems;
4. Exposure to at least one case example relevant to a public health problem in each of the following regions of the world: Africa, Americas, Asia, Europe;
5. A recognition of how demographic, cultural, epidemiologic and other differences across regions contribute to differences in public health priorities and differences in the types of population-based interventions and strategies likely to be achievable, effective and affordable.

SPECIFIC OBJECTIVES:

1. Assessment of health and disease problems in populations – to gain an understanding of the major tools from epidemiology, biostatistics and health economics used in population health assessment; how data sources are used to identify health trends and establish associations between health outcomes and preventable or modifiable factors; how the quality of information may be evaluated and multiple data sources synthesized.
2. Evaluation of public health policies – to gain an understanding of methods for assessing the possible impact of different policies; comparing alternative courses of action in terms of costs and health benefits; incorporating other types of considerations (e.g. distributional concerns) in setting priorities for public health policy.
3. Translation of evidence into action – to gain an understanding of how governmental and other agencies affect public health, and how public health practitioners can influence and participate in formulating, advocating and implementing policy; to consider examples of how evidence is used (or manipulated or ignored) in policy formulation; be able to identify and critique the fundamental function of public health within the various case studies that will be presented; to identify the strengths and limitations of general public health approaches.

10/02 Introduction + Measuring the public's health (J. Salomon)

Etches V, Frank J, Di Ruggiero E, Manuel D: Measuring population health: a review of indicators. *Annual Review of Public Health* 2006; 27:29-55.

[Available at:

<http://arjournals.annualreviews.org.ezpl.harvard.edu/doi/full/10.1146/annurev.publhealth.27.021405.102141>]

Lopez AD, Mathers CD, Ezzati M, Jamison DT, Murray CJ: Global and regional burden of disease and risk factors, 2001: systematic analysis of population health data. *Lancet* 2006; 367(9524):1747-57.

[Available at:

<http://ezpl.harvard.edu/login?url=http://search.epnet.com/login.aspx?direct=true&db=aph&an=20927561&scope=site>]

Sen A: Health: perception versus observation. *BMJ* 2002; 324(7342):860-1.

[Available at: <http://bmj.bmjournals.com.ezpl.harvard.edu/cgi/content/full/324/7342/860>]

Attaran A: An immeasurable crisis? A criticism of the millennium development goals and why they cannot be measured. *PLoS Med.* 2005; 2(10):e318.

[Available at: http://medicine.plosjournals.org/archive/1549-1676/2/10/pdf/10.1371_journal.pmed.0020318-L.pdf]

10/04 Technology assessment and resource allocation in health care (M. Weinstein)

This session concerns the inevitable need to allocate (i.e., ration) health care services, and various approaches that have been attempted or proposed to apply explicit, outcome-based criteria (e.g., cost-effectiveness analysis) for resource allocation. Cost-effectiveness analysis is required in most industrialized countries as a condition for payment for pharmaceuticals and other medical technologies. The issue of determining which drugs will be covered has been brought to the forefront in the U.S. by the Medicare Modernization Act, which provides universal coverage for outpatient drugs for the elderly population.

Russell LB, Gold MR, Siegel JE, Daniels N, Weinstein MC: The role of cost-effectiveness analysis in health and medicine. *Journal of the American Medical Association* 1996; 276:1172-1177.

[Available at: <http://jama.ama-assn.org.ezpl.harvard.edu/cgi/content/abstract/276/14/1172>]

Neumann PJ, Rosen A, Weinstein MC: Medicare and Cost-Effectiveness Analysis. *The New England Journal of Medicine* 2005; 353:1516-1522.

[Available at: <http://content.nejm.org.ezpl.harvard.edu/cgi/content/full/354/2/207>]

Sanders GD, Hlatky MA, Owens DK: Cost-effectiveness of implantable cardioverter-defibrillators. *The New England Journal of Medicine* 2005; 353:1471-1480.

[Available at: <http://content.nejm.org.ezpl.harvard.edu/cgi/content/full/353/14/1471>]

National Institute for Clinical Excellence (NICE). *Guide to the Methods of Technology Appraisal*. National Health Service, UK. April 2004.

[Available at: <http://www.nice.org.uk/page.aspx?o=201973>]

10/09 Discussion (J. Salomon and K. Backes Kozhimannil)

No assigned readings

10/11 Public health debate (J. Salomon and K. Backes Kozhimannil)

Small PM, Fujiwara PI. Management of Tuberculosis in the United States. *New England Journal of Medicine* 345(3):189-199; 2001.

Schwartzman K, et al. Domestic Returns from Investment in the Control of Tuberculosis in Other Countries. *New England Journal of Medicine* 353(10): 1008-1020; 2005.

Bailey RC, Plummer FA, Moses S. Male circumcision and HIV prevention: current knowledge and future research directions. *Lancet Infectious Diseases* 1: 223-231; 2001.

Auvert B, et al. Randomized, Controlled Intervention Trial of Male Circumcision for Reduction of HIV Infection Risk: The ANRS 1265 Trial. *PLoS Medicine* 2(11): 1112-1122; 2005.

10/16 Public health consequences of intentional injuries/ firearms (D. Hemenway)

Hemenway D: *Private Guns Public Health*. Ann Arbor, MI: University of Michigan Press. 2004. (entire book, but especially chapters 1,2,3,6,9,10, Afterward).

A paperback version was released in 2006 with an Afterward that would be helpful to read.

[Book – On Reserve at Littauer Library, KSG]

10/18 The obesity epidemic among children and youth in the U.S. (S. Gortmaker)

Gortmaker SL, Peterson K, Wiecha J, Sobol AM, Dixit S, Fox MK, Laird N: Reducing obesity via a school-based interdisciplinary intervention among youth. *Archives of Pediatrics and Adolescent Medicine* 1999; 153:409-418.

[Available at: <http://archpedi.ama-assn.org.ezp1.harvard.edu/cgi/content/full/153/4/409>]

Ludwig DS, Peterson KE, Gortmaker SL. Relation between consumption of sugar- sweetened drinks and childhood obesity: a prospective, observational analysis. *Lancet* 2001; 357:505-508.

[Available at:

<http://ezp1.harvard.edu/login?url=http://search.epnet.com/login.aspx?direct=true&db=aph&an=4093735&scope=sitel>]

Wiecha JL, Peterson KE, Ludwig DS, Kim J, Sobol A, Gortmaker SL: When children eat what they watch: impact of television viewing on dietary intake in youth. *Archives of Pediatrics and Adolescent Medicine* 2006; 160:436-442.

[Available at: <http://archpedi.ama-assn.org.ezp1.harvard.edu/cgi/content/full/160/4/436>]

➤ **Essay 1 Due (Public Health)**

SECTION III: POLITICS OF HEALTH (SECTION LEADER: DAN CARPENTER)**10/23 Public Opinion and Health Politics (R. Blendon)**

Robert J. Blendon, Sc.D., and Drew E. Altman, Ph.D. Voters and Health Care in the 2006 Election. *New Eng J Med* 355(18):1928-1933, November 2, 2006.

[Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/full/355/18/1928>]

Robert J. Blendon, Mollyann Brodie, John M. Benson, Drew E. Altman, and Tami Buhr. Americans' Views of Health Care Costs, Access, and Quality. *The Milbank Quarterly*, Vol. 84, No. 4, 2006 (pp. 623–657).

[Available at: <http://www.blackwell-synergy.com.ezp1.harvard.edu/doi/abs/10.1111/j.1468-0009.2006.00463.x>]

Blendon RJ, Benson JM, DesRoches CM, "Americans' Views of the Uninsured: An Era for Hybrid Proposals" *Health Affairs*, web exclusive, W3:405-414, August 8, 2003.

[Available at: <http://content.healthaffairs.org/cgi/reprint/hlthaff.w3.405v1>]

10/25 The Congress and American Social Policy (S. Burke)

Litman, Theodor J. 1997. "The Relationship of Government and Politics to Health and Health Care - A Sociopolitical Overview." In Theodor Litman and Leonard Robins, eds., *Health Politics and Policy*, 3 ed., Albany, NY: Delmar, pp. 3 - 45 and pp. 135 - 154.

[Packet]

Sinclair, B. 1997. Chapter 12, "The Consequences of Unorthodox Lawmaking." *Unorthodox Lawmaking*. Washington, D.C.: Congressional Quarterly Press.

[Packet]

Oleszek W.J. 2001. Chapter 1, "Congress and Lawmaking." *Congressional Procedures and the Policy Process*, Fifth Edition. Washington, D.C.: CQ Press.

[Packet]

Rovner J. 1995. Chapter 7, "Congress and Health Care Reform 1993-94" and Schick A., Chapter 8, "How a Bill Did Not Become a Law." *Intensive Care: How Congress Shapes Health Policy*. Mann T.E. and Ornstein N.J. (eds). Washington, D.C.: American Enterprise Institute and The Brookings Institution.

[Packet]

Zelman W.A. and Brown L. 1998. "Looking Back on Health Reform: No Easy Choices." *Health Affairs* 17(6):61-68.

[Available: <http://content.healthaffairs.org/cgi/reprint/17/6/61>]

Feldstein P.J. 2003. Chapter 34, "The Politics of Health Care Reform." *Health Policy Issues: An Economic Perspective on Health Reform*, 3rd ed. Chicago, IL: Health Administration Press.

[Packet]

10/30 The History of US Health Reform (R. Garfield)

J Oberlander. "The Politics Of Health Reform: Why Do Bad Things Happen To Good Plans?" *Health Affairs*, Web Exclusive, August 27, 2003.

[Available at: <http://content.healthaffairs.org/cgi/reprint/hlthaff.w3.391v1>]

J Hacker. "The Historical Logic of National Health Insurance: Structure and Sequence in the Development of British, Canadian, and U.S. Medical Policy." *Studies in American Political Development*, 12 (Spring 1998), 57-130.

This is a long piece, so I suggest that you give the closest reading to the sections on the importance of historical analysis and the detail on the development of the United States' system. Skim the sections on Canada and the UK and do not get too caught up in the detailed facts of who, what, where, etc.

[Available at: <http://journals.cambridge.org.ezp1.harvard.edu/action/displayAbstract?fromPage=online&aid=38749>]

RJ Blendon et al. "What Happened to Americans' Support for the Clinton Plan?" *Health Affairs* 1995 14(2):7-23.

[Available at: <http://content.healthaffairs.org/cgi/reprint/14/2/7>]

Please think about the following questions with the readings:

1. Why does health reform fail in the United States?
2. How would you design a study to determine what causes health reform to fail?
3. Which reform approach would you recommend: individual tax credit, single payer, or public-private mix building on current system?
4. What is the difference between political analysis and policy analysis?

11/01 The Political Economy of Pharmaceuticals and the FDA (D. Carpenter)

Richard A. Merrill, "The Architecture of Government Regulation of Medical Products," *University of Virginia Law Review*.

[Packet]

Daniel Carpenter and Gisela Sin, "Policy Tragedies and the Emergence of Economic Regulation: The Food, Drug and Cosmetic Act of 1938," *Studies in American Political Development* 12 (2) (Fall 2007), forthcoming.

[Available at: <http://people.hmdc.harvard.edu/~dcarpent/crisis1938.pdf>]

Daniel P. Carpenter, "The Political Economy of FDA Drug Approval: Processing, Politics and Lessons for Policy," *Health Affairs*, Jan/Feb 2004.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/content/abstract/23/1/52>]

Daniel Carpenter and Michael Ting, "Regulatory Errors with Endogenous Agendas," *American Journal of Political Science* 51 (4) (October 2007), 835-53. Somewhat technical model, but pay main attention to intuition of theory and empirical analysis.

[Available at: <http://people.hmdc.harvard.edu/~dcarpent/regerror20050120.pdf>]

Committee on the Assessment of the US Drug Safety System, Alina Baciou, Kathleen Stratton, Sheila P. Burke, Editors. Executive Summary. *The Future of Drug Safety: Promoting and Protecting the Health of the Public*. National Academies Press, 2007.

[Available at: http://books.nap.edu/execsumm_pdf/11750.pdf]

Optional: As background reading, students may wish to consult the recent book by Philip Hilts, entitled *Protecting America's Health: The FDA, Business and One Hundred Years of Regulation* (Knopf, 2003). This is an occasionally flawed book, always polemical, but accessible and interesting.

Please think of the following questions while doing the readings:

1. What is the structure of pharmaceutical regulation in the United States? How did that structure evolve and what were its major influences?
2. What motives drive FDA behavior in regulating new products? What is the role of "politics"?
3. How does regulation condition R&D in pharmaceuticals? How do firms and FDA officials mutually anticipate each other's actions?
4. What might be done to reform the system? Are there issues beyond "speed versus safety" that American and foreign policymakers ought to be tackling?

11/06 Elites, Publics, and Institutions (A. Campbell)

Jonathan Oberlander, *The Political Life of Medicare*; Chicago: University of Chicago Press, 2003. Focus on Chapters 3, 4, 5, and 7.

[Book – On Reserve at Littauer Library, KSG]

11/08 Discussion (K. Backes Kozhimannil)

SECTION IV: QUALITY (SECTION LEADER: BRUCE LANDON)**11/13 Quality of Care I (B. Landon)**

McGlynn EA, Asch SM, Adams J, Keeseey J, Hicks J, DeCristofaro A, Kerr EA. The quality of health care delivered to adults in the United States. *N Engl J Med*. 2003 Jun 26;348(26):2635-45. [Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/full/348/26/2635>]

Wennberg J, Gittelsohn A. Small area variations in health care delivery. *Science* 1973;182:1102-1108. [Available at: <http://www.jstor.org.ezp1.harvard.edu/view/00368075/ap004303/00a00090/0#&origin=sfx%3Asfx>]

Landon BE, Hicks LS, O'Malley AJ, Lieu TA, Keegan T, McNeil BJ, Guadagnoli E. Improving the Management of Chronic Disease at Community Health Centers. *N Engl J Med* 356:921, March 1, 2007. [Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/full/356/9/921>]

David Blumenthal, "Quality of Health Care, Part 1: Quality of Care: What Is It?" *NEJM*, 1996, 335:12, pp. 48.51. [Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/full/335/12/891>]

11/15 Medical Malpractice (B. Sage)

William M. Sage. "New Directions in Medical Liability Reform." Chapter 17 in *Medical Malpractice, A Physician Sourcebook*. Ed. R. E. Anderson. Humana Press, Inc: Totowa, NJ. 2004. [Packet]

William M. Sage. "Medical Malpractice Insurance and the Emperor's Clothes." *DePaul Law Review*. Vol 54: 463-484. March 24, 2005. [Packet]

Carol B. Liebman and Chris Stern Hyman. "A Mediation Skills Model To Manage Disclosure Of Errors And Adverse Events To Patients." *Health Affairs* 23(4): 22-32, 2004. [Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/content/full/23/4/22>]

William M. Sage. "The Role of Medicare in Medical Malpractice Reform." *Journal of Health Care Law and Policy* 9(2), 2006. [Packet]

➤ **Essay 2 Due (Politics of Health)**

11/20 Quality of Care II (D. Blumenthal)

All of the following articles will be discussed to some degree:

David Blumenthal and Charles Kilo, "A Report Card on Continuous Quality Improvement," *Milbank Memorial Fund Quarterly*, 1998, 76:4, pp. 625-646.

[Available at:

<http://ezp1.harvard.edu/login?url=http://search.epnet.com/login.aspx?direct=true&db=aph&an=1442614&scope=site>]

David Blumenthal, "Quality of Health Care, Part 1: Quality of Care: What Is It?" *NEJM*, 1996, 335:12, pp. 48-51.

This paper was also discussed in Dr. Landon's session on 11/13.

[Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/full/335/12/891>]

M J Coye. "No Toyotas in health care: why medical care has not evolved to meet patients' Needs." *Health Affairs*, November/December 2001; 20(6): 44-56.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/reprint/20/6/44>]

McGlynn EA, Asch SM, et al., "The Quality of Health Care Delivered to Adults in the United States." *NEJM*, 2003, 348(26):2635-45.

This paper was also discussed in Dr. Landon's session on 11/13.

[Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/full/348/26/2635>]

11/22 THANKSGIVING BREAK**11/27 Quality of Care III (D. Berwick)**

Linda Kohn, Janet Corrigan, et al., "Executive Summary," *To Err Is Human: Building a Safer Health System*, National Academy Press, 2000, pp.1-14.

[Packet]

Committee on Quality of Health Care in America, "Executive Summary," *Crossing the Quality Chasm: A New Health System for the 21st Century*. National Academy Press, 2001, pp. 1-16.

[Packet]

Don Berwick, "A User's Manual for the IOM Report, Crossing the Quality Chasm: A New Health System for the 21st Century," *Health Affairs*, 2002.

[Available at: <http://content.healthaffairs.org/cgi/reprint/21/3/80>]

Don Berwick, "Errors Today and Errors Tomorrow," *NEJM*, 2003, 348(25): 2570-2.

[Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/full/348/25/2570>]

11/29 Organizations & Quality (A. Edmondson)

Amy Edmondson. "Learning from mistakes is easier said than done: Group and organizational influences on the detection and correction of human error." *Journal of Applied Behavioral Science*, 32, 1 (1996): 5-28.

[Available at: <http://jab.sagepub.com.ezpl.harvard.edu/cgi/reprint/40/1/66>]

Tucker, A.L., Nembhard, I.M., and Edmondson, A.C. Implementing new practices: An empirical study of organizational learning in hospital intensive care units. *Management Science*, 53,6(2007): 894-607.

[Available at: <http://web.ebscohost.com.ezpl.harvard.edu/ehost/detail?vid=3&hid=105&sid=62c02bb2-5a89-483e-8a77-735632932075%40sessionmgr103>]

Tucker, A.L., and Edmondson A.C. "Why hospitals don't learn from failures: Organizational and psychological dynamics that inhibit system change." *California Management Review*, 45,2 (2003): 55-72.

[Packet]

Questions for the above readings:

1. What factors affect the incidence and reporting of medical error on the front lines of patient care?
2. What enables a hospital to learn from failure and problems in hospitals?
3. What drives successful implementation of new technologies, another form of organizational learning?
4. Please identify any aspects of the research methods and conclusions that you'd be interested in discussing in more depth.

Amy Edmondson, Michael Roberto and Anita Tucker, "Children's Hospital and Clinics," *Harvard Business School case 9-302-050* (2001).

See questions below.

[Packet]

Questions for the above HBS case:

1. What is your assessment of the Patient Safety Initiative at Children's? In particular, what do you think about blameless reporting?
2. What barriers did Morath face as she tried to encourage people to discuss medical errors more openly? How did she overcome those barriers?
3. What is your assessment of Morath's leadership of the organizational change process at Children's? Consider the challenges she faced at each stage of the transformation process and evaluate her effectiveness in addressing these challenges.

12/04 Patient Safety and IT (D. Bates)

David W. Bates, M.D., and Atul A. Gawande, M.D., M.P.H. Improving Safety with Information Technology *N Engl J Med* 2003;348:2526-34.

A review of the ways that information technology can be used to directly improve safety.

[Available at: <http://content.nejm.org.ezpl.harvard.edu/cgi/content/full/348/25/2526>]

David W. Bates, MD; Lucian L. Leape, MD; David J. Cullen, MD; et.al. Effect of Computerized Physician Order Entry and a Team Intervention on Prevention of Serious Medication Errors. *JAMA*. 1998;280:1311-1316.

A trial demonstrating that computerized physician order entry (CPOE) reduced the medication error rate.

[Available at: <http://jama.ama-assn.org.ezpl.harvard.edu/cgi/content/full/280/15/1311>]

Harvey J. Murff, Vimla L. Patel, George Hripcsak and David W. Bates. Detecting adverse events for patient safety research: a review of current methodologies. *Journal of Biomedical Informatics*. Volume 36, Issue 1/2 (February 2003): 131 - 143

A review of the evidence demonstrating that information systems can be used to detect safety issues.

[Available at: http://sfx.hul.harvard.edu/sfx_local?id=doi:10.1016%2Fj.jbi.2003.08.003]

Ross Koppel, PhD; Joshua P. Metlay, MD, PhD; Abigail Cohen, PhD; et.al. Role of Computerized Physician Order Entry Systems in Facilitating Medication Errors. *JAMA*. 2005;293:1197-1203.

A study suggesting that CPOE can create new errors.

[Available at: <http://jama.highwire.org/cgi/content/full/293/10/1197>]

Yong Y. Han, Joseph A. Carcillo, Shekhar T. Venkataraman, et. al. Unexpected Increased Mortality After Implementation of a Commercially Sold Computerized Physician Order Entry System. *Pediatrics* 2005;116;1506-1512

A study finding that introduction of CPOE in pediatric intensive care was associated with an increase in the mortality rate of children transferred in for special care.

[Available at: <http://www.pediatrics.org/cgi/content/full/116/6/1506>]

SECTION V: ETHICS (SECTION LEADER: NORMAN DANIELS)**12/06 Organ Sales: Commodification, Choice, and Exploitation (N. Eyal)**

Economist staff 2006: Psst, wanna buy a kidney? *The Economist* Nov 16th 2006.
[Packet]

Garwood, P. 2007: Dilemma Over Live-Donor Transplantation. *WHO Bulletin* 85(1): 5-6.
[Packet]

Kass, L. R. 1992: Organs for Sale? Propriety, Property, and the Price of Progress. *Public Interest* 107: 72-85.
[Packet]

Eyal, N. Payment for Organs and 'Commodification'
[To be distributed]

Optional:

Wilkinson, S. 2003: Organs for Sale. In his *Bodies for Sale: Ethics and Exploitation in the Human Body Trade*. London: Routledge: 101-133.

Friedman, & Friedman A. L. 2006: Payment for Donor Kidneys: Pros and Cons. *Kidney International* 69: 960-962.

Arnold et al. 2002: Financial Incentives for Cadaver Organ Donation: An Ethical Reappraisal. *Transplantation* 73(8): 1361-1367.

12/11 Brain Drain of Health Workers (N. Eyal)

Connell J, Zurn P, Stilwell B, Awases M, Braichet JM. Sub-Saharan Africa: beyond the health worker migration crisis? *Soc Sci Med* 2007;64(9):1876-91.

[Available at: http://www.sciencedirect.com.ezp1.harvard.edu/science?_ob=ArticleURL&_udi=B6VBF-4N3H13X-1&_user=209690&_coverDate=05%2F31%2F2007&_rdoc=1&_fmt=&_orig=search&_sort=d&view=c&_acct=C000014438&_version=1&_urlVersion=0&_userid=209690&md5=5ef6671d7cd168e8f881fea31361449e]

Kumar P. Providing the providers - remedying Africa's shortage of health care workers. *N Engl J Med* 2007;356(25):2564-7

[Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/full/356/25/2564>]

Eyal N & Hurst SA. Locally Relevant Medical Training to Counter the Brain Drain. Under review.

[To be distributed]

12/13 Justice & Health Policy (N. Daniels)

N. Daniels, "Justice, health, and healthcare," *American Journal of Bioethics* 1, no. 2 (2001): 2-16.

[Available at: <http://search.epnet.com/login.aspx?direct=true&db=aph&an=4673189&scope=site>]

N. Daniels. Fair process in patient selection for antiretroviral treatment in WHO's goal of 3 by 5. *Lancet* 2005 366(9480): 169-171.

Available at:

<http://ezp1.harvard.edu/login?url=http://search.epnet.com.ezp1.harvard.edu/login.aspx?direct=true&db=aph&an=17540288&scope=site>

N. Daniels, "Equity and Population Health: Toward a Broader Bioethics Agenda," *Hastings Center Report* 36, no. 4 (2006): 22-35.

[Available at: <http://web.ebscohost.com.ezp1.harvard.edu/ehost/pdf?vid=2&hid=6&sid=ef3aba65-4be0-4114-b140-b51d7ceec39f%40sessionmgr2>]

12/18 Value Assumptions in Cost-Effectiveness Analysis (D. Brock & M. Weinstein)

Brock, Dan, *Handbook of Bioethics: Taking Stock of the Field from a Philosophical Perspective*, (Norwell: Kluwer Academic Publishers c. 2004), "Ethical Issues in the Use of Cost Effectiveness analysis for the Prioritization of Health Resources", pp. 353-380.

[Packet]

Russell LB, Gold MR, Siegel JE, Daniels N, Weinstein MC: The role of cost-effectiveness analysis in health and medicine. *Journal of the American Medical Association* 1996; 276:1172-1177.

Note that this article was also discussed in Dr. Weinstein's 10/9 lecture on CEA.

[Available at: <http://jama.ama-assn.org.ezp1.harvard.edu/cgi/content/abstract/276/14/1172>]

Menzel, P., Gold, M.R., Nord, E., Pinto-Prades, J.L., Richardson, J., Ubel, P. (1999). "Toward a Broader View of Values in Cost-Effectiveness Analysis of Health." *Hastings Center Report* 29, No. 3: 7-15.

[Packet]

Brock D. (2002). "Priority to the Worse Off in Health Care Resource Prioritization." In Rhodes, R., Battin, M.P., & Silvers, A. (Eds.), *Medicine and Social Justice*, (Ch. 28 pp. 362-372). New York: Oxford University Press.

[Packet]

Brock, D. (2003). "Separate Spheres and Indirect Benefits." *Cost-Effectiveness and Resource Allocation* 1:4.

[Packet]

➤ **Essay 3 Due (Ethics or Quality)**

12/19 – 01/02 *WINTER RECESS*

01/03 – 01/22 *FALL READING/EXAM PERIOD (Literature Review due 01/31)*

**CORE COURSE IN HEALTH POLICY 2007-2008
HEALTH POLICY 2000/HCP 598**

CLASS MEETINGS

Tuesday & Thursday, 4-6pm
Kennedy School of Government, Room T401

INSTRUCTORS

Joseph Newhouse
Kennedy School of Government; Department of Health Care Policy, HMS;
Department of Health Policy and Management, HSPH
617-432-1325; newhouse@hcp.med.harvard.edu
Office Hours: By appointment

Richard Frank
Department of Health Care Policy, HMS
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Alan Zaslavsky
Department of Health Care Policy, HMS
617- 432-2441; zaslavsk@hcp.med.harvard.edu
Office Hours: By appointment

TEACHING FELLOW

Katy Backes Kozhimannil
kbackes@fas.harvard.edu
Office Hours: By appointment

COURSE OVERVIEW

This course is intended to familiarize doctoral students with the health policy research literature and selected questions in the field. It is a year-long course that includes a large number of guest lectures by faculty from the Faculty of Arts & Sciences, the Kennedy School of Government, the School of Public Health, the Medical School, the Business School, and the Law School. Discussion sessions will be interspersed with the invited lectures and will examine the policy relevance, research methods and technical details of many of the presented topics in more depth.

READINGS

Readings for the course will generally consist of journal articles to be read before each lecture. "Course packs" of photocopied articles will be available throughout the year from the Kennedy School Course Materials Office on the ground floor of the Belfer Building. It is also suggested that you purchase the following books:

- Newhouse, J.P. and the Health Insurance Experiment Group. *Free for All? Lessons from the RAND Health Insurance Experiment*.
- Newhouse, J.P. *Pricing the Priceless: A Health Care Conundrum*. Cambridge, The MIT Press: 2002. (Also available in paperback)
- Shadish, W.R., Cook, T.D., Campbell, D.T. *Experimental and Quasi-Experimental Designs for Generalized Causal Inference*, Boston: Houghton Mifflin, 2002.

These titles are also on reserve at the Kennedy School library.

COURSE REQUIREMENTS

REQUIREMENTS

Attendance & Participation: **20%**

This course meets twice per week. Students are expected to attend and participate in the 2-hour lecture and discussion sessions. This participation includes reading 3-4 relevant articles assigned by the lecturers prior to each class. If you are unable to attend a lecture, please let the teaching fellow know by email in advance of the session.

Written Assignments: (for the year) **80%**

There will be written assignments for most of the 8 seminar sections, and a 10-15 page research proposal that students will develop throughout the Spring semester. Section assignments will include short essay questions, a literature review, and critical appraisals of published research papers. Due dates are as follows:

Spring

Literature Review: 1/31

2-3-Paragraph Summary of Research Proposal: 2/21

Article Critique (Research Methods): 2/28

2-page Description of Study Design/Methods: 4/1 (reviewed by JN/RF/AZ)

Assignment (Economics of Health): 4/15

Presentation of Research Proposal: TBD

Final Research Proposal: 5/6 (reviewed by JN/RF/AZ)

Human Subjects Training:

To pass the Spring semester, students will be expected to complete an online Human Subjects Training Course and present verification. The training can be accessed through the following link:

http://vpf-web.harvard.edu/osr/support/human_subject/index.html

COURSE SYLLABUS

SPRING SEMESTER 2008

Please note that locations of readings are indicated in brackets below each citation. For readings that are available electronically, you can use the links below or search directly for the articles using the Harvard E-Research website: <http://e-research.lib.harvard.edu>.

SECTION VI: RESEARCH DESIGN AND METHODS (SECTION LEADER: ALAN ZASLAVSKY)

01/31 Study Designs Overview I (A. Zaslavsky)

Alan Zaslavsky, "Notes on Research Design and Data Collection," 1995.
[Packet]

William R. Shadish, Thomas D. Cook, Donald T. Campbell, *Experimental and Quasi-Experimental Designs for Generalized Causal Inference*, Boston: Houghton Mifflin, 2002. Chapters 1-2, and pages 246-269, 488-489.
[Book - Also on reserve at KSG library]

➤ Literature Review Due

02/05 Study Designs Overview II (A. Zaslavsky)

Paul R. Rosenbaum, "Choice as an Alternative to Control in Observational Studies," *Statistical Science*; 1999;14(3):259-304.
[Packet]

Roderick J. Little, Donald B. Rubin, "Causal Effects in Clinical and Epidemiological Studies Via Potential Outcomes: Concepts and Analytical Approaches" *Annu Rev Public Health* 2000;21:121-45.
[Available at:
<http://ezp1.harvard.edu/login?url=http://search.epnet.com/login.aspx?direct=true&db=aph&an=5371847&scope=site>]

Sharon-Lise Normand, Mary Beth Landrum, Edward Guadagnoli, et al. "Validating angiography recommendations following acute myocardial infarction in the elderly: A matched analysis using propensity scores," *Journal of Clinical Epidemiology*, 2001;54:387-398.
[Available at: <http://www.sciencedirect.com/ezp1.harvard.edu/science/journal/08954356>]

Mark McClellan, Barbara J. McNeil, and Joseph P. Newhouse, "Does More Intensive Treatment of Acute Myocardial Infarction Reduce Mortality?" *Journal of the American Medical Association*, 272(11), September 21, 1994, 859-866.
[Available at: <http://jama.highwire.org/cgi/content/abstract/272/11/859>]

02/07 Observational Studies of Crowdout (D. Cutler)

The goal of this session is to compare and contrast different ways of addressing a health policy issue. The issue chosen is whether increases in public insurance eligibility lead to reductions in private insurance coverage. I would like you to be prepared to compare and critique the different approaches. How do the methodologies differ? Which methodology is best and which ones are less good? What would you use for policy purposes?

Lo Sasso AT, Buchmueller TC, "The Effect of the State Children's Health Insurance Program on Health Insurance Coverage." *Journal of Health Economics* 23(5): Sep 2004, 1059-82.

[Available at: <http://www.sciencedirect.com.ezp1.harvard.edu/science/journal/01676296>]

Peter J. Cunningham, Jack Hadley, James D. Reschovsky, "The Effects of SCHIP on Children's Health Insurance Coverage Early Evidence from the Community Tracking Study." *Medical Care Research and Review* 59(4): Dec 2002, 359-383.

[Packet]

Linda Blumberg, Lisa Dubay, et al., "Did the Medicaid Expansions for Children Displace Private Insurance?" *Journal of Health Economics* 19(1): Jan 2000, 33-60.

[Available at: <http://www.sciencedirect.com.ezp1.harvard.edu/science/journal/01676296>]

David M. Cutler, and Jonathan Gruber, "Does Public Insurance Crowd Out Private Insurance?" *Quarterly Journal of Economics*, May 1996; pp. 391 – 430.

[Available at:

<http://ezp1.harvard.edu/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=bth&AN=9606211069&site=ehost-live&scope=site>]

Jonathan Gruber and Simon, Kosali Ilayperuma, "Crowd-Out Ten Years Later: Have Recent Public Insurance Expansions Crowded Out Private Health Insurance?" (January 2007). NBER Working Paper No. W12858

[Available at: <http://ssrn.com.ezp1.harvard.edu/abstract=959133>]

Esel Y. Yazici, Robert Kaestner, et al., "Medicaid Expansions and the Crowding Out of Private Health Insurance," *Inquiry* 37(1): Spring 2000, pp. 23-32.

[Packet]

Lisa Dubay, Genevieve Kenney, et al., "Revisiting the Issues: The Effects of Medicaid Expansions on Insurance Coverage," *The Future of Children*; publisher: The Urban Institute; c 1996; vol. 6 (1); pp. 152–161.

[Packet]

02/12 Time Series and Experimental/Quasi-Experimental Design (S. Soumerai)

William R. Shadish, Thomas D. Cook, Donald T. Campbell, *Experimental and Quasi-Experimental Designs for Generalized Causal Inference*, Boston: Houghton Mifflin, 2002.

Internal Validity, pages 53 – 63.

[Book - Also on reserve at KSG library]

Please skim these two chapters. While the lecture will not cover all of these designs, reviewing the concepts and examples in these chapters may be helpful.

William R. Shadish, Thomas D. Cook, Donald T. Campbell, *Experimental and Quasi-Experimental Designs for Generalized Causal Inference*, Boston: Houghton Mifflin, 2002.

Chapters 4 and 5, Pages 103 – 144.

[Book - Also on reserve at KSG library]

Mohr L.B., “The Interrupted Time-Series Design,” *Impact Analysis for Program Evaluation*; Sage; 1992; pp. 147-150.

[Packet]

Anita K. Wagner, Dennis Ross-Degnan, Jerry H. Gurwitz, Fang Zhang, MS, Daniel B. Gilden, Leon Cosler, and Stephen B. Soumerai. “Effect of New York State Regulatory Action on Benzodiazepine Prescribing and Hip Fracture Rates.” *Annals of Internal Medicine*, 2007; 146(2):96-103.

[Available at: <http://annals.org/cgi/content/full/146/2/96>]

Soumerai SB, McLaughlin TJ, Ross-Degnan D, Casteris C, Bollini P., “Effects of limiting Medicaid drug-reimbursement benefits on the use of psychotropic agents and acute mental health services by patients with schizophrenia.” *New England Journal of Medicine*, 1994; 331:650-655. Just focus on the abstract, tables, and figures.

[Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/abstract/331/10/650>]

02/14 Experimental Design: A Case Study of the RAND Health Insurance Experiment (J. Newhouse)

Joseph P. Newhouse, *Free For All? Lessons from the Rand Health Insurance Experiment*, Harvard University Press, Cambridge, 1993, Chapters 1 and 2.

[Book - Also on reserve at KSG library]

In this session I will cover several issues of experimental design using the RAND HIE to illustrate. Later in the semester we will have a session on the results and implications of the RAND HIE.

02/19 Discussion (K. Backes Kozhimannil)

SECTION VII: ECONOMICS OF HEALTH CARE (SECTION LEADER: J. NEWHOUSE)**02/21 Adverse Selection & Moral Hazard (H. Huskamp)**

We will discuss two key phenomena affecting insurance markets -- moral hazard and adverse selection -- and ways that policymakers attempt to address these issues in the U.S. health care system. The session will be part lecture and part case study, with the case study covering Harvard University's attempts to address adverse selection in administering employee health benefits. Take a look at Cutler and Reber as background and be prepared to discuss options that Harvard could pursue.

Richard Zeckhauser, "Medical Insurance: A Case Study of the Tradeoff Between Risk Spreading and Appropriate Incentives," *Journal of Economic Theory*, Vol. 2, pp. 10-26, 1970.
[To be distributed]

George Akerlof, "The Market for 'Lemons': Quality Uncertainty and the Market Mechanism," *Quarterly Journal of Economics*, Vol. 84, pp.237-249, 1970.
[Packet]

Joseph Newhouse, Melinda Beeuwkes Buntin, and John Chapman, "Risk Adjustment and Medicare," *Health Affairs*, Vol. 16, No. 5, pp.26-43, September/October 1997.
[Available at: <http://content.healthaffairs.org/cgi/reprint/16/5/26>]

David Cutler and Sarah Reber, "Paying for Health Insurance: The Tradeoff Between Competition and Adverse Selection", *Quarterly Journal of Economics*, 113(2), May 1998, 433-466.
[Available at: <http://search.ebscohost.com/login.aspx?direct=true&db=bth&AN=679522&site=ehost-live&scope=site>]

- **2-3-Paragraph Summary of Research Proposal Due**
- **Article Critique Distributed**

02/26 Payment Systems & Provider Incentives (M. Rosenthal)

Joseph P. Newhouse, “Fee-for Service Medicine and Its Discontents,” Introduction and Chapter 1 in *Pricing the Priceless: A Health Care Conundrum*. MIT Press, 2002, pp. 4-53.
[Book – Also on reserve at KSG library]

This chapter can be regarded as an extended case study of the Medicare reimbursement system. It has the advantage of looking at a real system and its effects, but the disadvantage of not covering many other issues. The remaining readings, as well as the remainder of the class session, will focus on issues of physician payment. The Handbook chapter frames the examination of physician payment in terms of the special role of physicians as agents of their patients, information problems and the competitive environment. Hellinger and Dudley summarize the empirical health services research literature on physician payment through the late 1990s (while there have been a few additional studies published since then, the basic message has not changed). The reviews provide an opportunity to evaluate economic models of physician behavior both in terms of positive predictive capacity and normative implications. I will also plan to talk about emerging CMS pay-for-performance efforts in the context of payment reforms of the past.

Thomas G. McGuire, “Physician Agency,” Chapter 9 in *Handbook of Health Economics*, Eds. A.J. Culyer and J.P. Newhouse, Amsterdam: North-Holland, 2000.
[Packet – Also on reserve at KSG library]

Meredith B. Rosenthal, et al. “Paying for Quality: Providers’ Incentives for Quality Improvement.” *Health Affairs*. March/April 2004. 23(2): 127-141.
[Available at: <http://search.ebscohost.com/login.aspx?direct=true&db=aph&AN=13679718&site=ehost-live&scope=site>]

02/28 Health Insurance (R. Zeckhauser)

David Cutler and Richard Zeckhauser, “The Anatomy of Health Insurance,” Chapter 11 in *Handbook of Health Economics*, Eds. A.J. Culyer and J.P. Newhouse, North-Holland, 2000.
[Packet – Also on reserve at KSG library]

➤ Article Critique Due**03/04 Regional Variations in Health Care (A. Chandra)**

E. S. Fisher, D. E. Wennberg, T. A. Stukel, D. J. Gottlieb, F. L. Lucas and E t. L. Pinder The Implications of Regional Variations in Medicare Spending. Part 1: The Content, Quality, and Accessibility of Care. *Ann Intern Med* 2003; 273-287.
[Available at: <http://www.annals.org.ezp1.harvard.edu/cgi/content/full/138/4/273>]

E. S. Fisher, D. E. Wennberg, T. A. Stukel, D. J. Gottlieb, F. L. Lucas and E t. L. Pinder . The Implications of Regional Variations in Medicare Spending. Part 2: Health Outcomes and Satisfaction with Care. *Ann Intern Med* 2003; 288-298.
[Available at: <http://www.annals.org.ezp1.harvard.edu/cgi/content/full/138/4/288>]

Katherine Baicker, Kasey S. Buckles, and Amitabh Chandra. Geographic Variation In The Appropriate Use Of Cesarean Delivery. *Health Affairs*, September/October 2006; 25(5): w355-w367.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/content/full/25/5/w355>]

Katherine Baicker and Amitabh Chandra. Medicare Spending, The Physician Workforce, And Beneficiaries' Quality Of Care. *Health Affairs* Web Exclusive, April 7, 2004

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/reprint/hlthaff.w4.184v1.pdf>]

Amitabh Chandra and Douglas O. Staiger. Productivity Spillovers in Health Care: Evidence from the Treatment of Heart Attacks. *Journal of Political Economy*, vol 115 (2007), pages 103–140

[Available at: <http://www.journals.uchicago.edu.ezp1.harvard.edu/cgi-bin/resolve?id=doi:10.1086/512249>]

Jonathan S. Skinner, Douglas O. Staiger, and Elliott S. Fisher. Is Technological Change In Medicine Always Worth It? The Case Of Acute Myocardial Infarction. *Health Affairs*, March/April 2006; 25(2): w34-w47.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/content/full/25/2/w34>]

03/06 The RAND Health Insurance Experiment (J. Newhouse)

Joseph P. Newhouse, *Free For All? Lessons from the Rand Health Insurance Experiment*, Harvard University Press, Cambridge, 1993, Chapters 3-9 and chapter 11.

[Book – Also On Reserve at KSG Library]

Focus especially on chapters 3 and 11 because this class session will spend some time on the methods used to analyze the data as discussed in chapter 3 and some time on the policy implications of the RAND results as summarized in chapter 11. But to think about policy implications, you will need to be familiar with the material in the other chapters. Chapter 4 is the most demanding technically. If you are having trouble you can skim it, although it has the important result that the effect of cost sharing appears to be primarily on the consumer's/patient's decision to initiate care. Also be prepared to discuss how you would have designed the RAND experiment differently with the nature of hindsight; for thinking about this question you may want to review chapters 1 and 2, which you read earlier.

03/11 Provider Payment and Risk Adjustment (T. McGuire)

The main theme of this session is how provider payment can be used to induce providers to supply the right “quality” of health care, referred to in some of the papers as noncontractible “effort.” Throughout these papers this quality is regarded as being observable by consumers, and as providers increase quality, they get more business through demand response, nature's “pay for performance system.” Three review papers with nontechnical sections covering physicians, hospitals and health plans are included as the readings.

Think about the Ginsburg and Grossman analysis as applied to physician payment in Medicare. What ideas do you have for reforming physician payment that might address the problems raised in that paper?

Please review Joseph Newhouse, *Pricing the Priceless*, Chapter 1 from the Rosenthal lecture.

Paul B. Ginsburg and Joy M. Grossman, 2005. "When the Price isn't Right," *Health Affairs*, Web Exclusive. August 9, 2005.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/reprint/hlthaff.w5.376v1.pdf>]

Thomas McGuire, 2007, "Physician Fees and Behavior: Implications for Structuring a Fee Schedule." Paper presented at the Oberlin College Health Economics Conference, September 8-10, 2006.

[Packet]

Thomas G. McGuire. "DRG-based Payment for Hospital Care: Observations from the US Experience" *Activity Based Funding For Hospitals: English Policy International Experience*, Sussex and Street (eds), (14-22). Office of Health Economics, London, October 2004.

[Packet]

Thomas G. McGuire, 2007 "Risk Adjustment Systems in Competitive Health Insurance Markets: Lessons from the United States." *In press*

[Packet]

03/13 Health Insurance Markets and the Uninsured (K. Swartz)

Swartz, K. *Reinsuring Health: Why More Middle-Class People Are Uninsured and What Government Can Do*, New York: Russell Sage Foundation Press, June 2006.

[Book – Also On Reserve at KSG Library]

Glied: "Challenges and Options for Increasing the Number of Americans with Health Insurance," *Inquiry* 2001;38(2):90-105.

[Packet]

Optional:

K. Swartz, J. Marcotte, and T.D. McBride, "Personal Characteristics and Spells Without Health Insurance," *Inquiry* 1993;30(1):64-76.

K. Swartz, J. Marcotte, and T.D. McBride, "Spells without health insurance: The distribution of durations when left-censored spells are included" *Inquiry* 1993;30(1):77-83.

K. Swartz, "Markets for Individual Health Insurance: Can We Make Them Work with Incentives to Purchase Insurance?" *Inquiry* 2001;38(2):133-145.

03/18 Health Care Reform Proposals (K. Baicker)

Feldstein, Martin, "Balancing The Goals Of Health Care Provision And Financing" *Health Affairs*, 25, no. 6 (2006): 1603-1611.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/content/full/25/6/1603>]

Fuchs, Victor R. and Ezekiel J. Emanuel, "Health Care Reform: Why? What? When?" *Health Affairs*, 24, no. 6 (2005): 1399-1414.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/content/full/24/6/1399>]

Holahan, John and Linda Blumberg, "Massachusetts Health Care Reform: A Look At The Issues" *Health Affairs*, (2006): w432-w443.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/content/full/25/6/w432>]

Aaron, Henry J. and Stuart M. Butler, "How Federalism Could Spur Bipartisan Action On The Uninsured" March 31, 2004, Health Affairs. Web exclusive.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/content/full/hlthaff.w4.168v1/DC1>]

03/20 Pharmaceuticals (R. Frank)

F.M. Scherer, "The Pharmaceutical Industry," Chapter 25 in *Handbook of Health Economics*, Eds. Culyer and Newhouse, Amsterdam: North-Holland, 2000.

[Packet – Also on reserve at KSG library]

Robin J. Strongin (analyst/writer), "Pharmaceutical Marketplace Dynamics," National Health Policy Forum Issue Brief/No. 755, The George Washington University, May 31, 2000, pp. 1-15.

[Packet]

Richard Frank, "Prescription Drug Prices: Why do Some Pay More Than Others Do?" *Health Affairs* (March/April 2001): pp. 115-128.

[Available at: <http://content.healthaffairs.org/cgi/reprint/20/2/115>]

Ernst R. Berndt, "The U.S. Pharmaceutical Industry: Why Major Growth in Times of Cost Containment?" *Health Affairs*, Vol.20:2, March/April 2001, pp.1-15.

[Available at: <http://content.healthaffairs.org/cgi/reprint/20/2/100>]

03/22 – 03/30 SPRING RECESS

04/01 Incidence and Overview (J. Newhouse and R. Frank)

Lawrence H. Summers, "Some Simple Economics of Mandated Benefits," *American Economic Review*, 79(2): 177-183, May 1989.

[Available at: <http://search.ebscohost.com/login.aspx?direct=true&db=bth&AN=4507721&site=ehost-live&scope=site>]

Victor R. Fuchs, "The Future of Health Economics," *Journal of Health Economics* 19(2): 2000, 141-157.

[Available at: <http://www.sciencedirect.com.ezp1.harvard.edu/science/journal/01676296>]

- **2-page Description of Study Design/Methods Due** (reviewed by JN/RF/AZ)

04/03 Discussion (K. Backes Kozhimannil)

SECTION VIII: SPECIAL POPULATIONS (SECTION LEADER: KATHY SWARTZ)**04/08 Mental Health and Federal Employees Health Benefits Program (R. Frank)**

Richard Frank and Thomas McGuire, "Economics and Mental Health," Chapter 16 in *Handbook of Health Economics*, Eds. Culyer and Newhouse, Amsterdam: North-Holland, 2000
 [Packet – Also on reserve at KSG library]

Pacula RL and R. Sturm, "Mental Health Parity Legislation: Much Ado About Nothing?" *Health Services Research* 2000;35(1) Part II:263-75.

[Available at: <http://www.pubmedcentral.nih.gov/picrender.fcgi?artid=1089100&blobtype=pdf>]

Frank RG, C Koyanagi and T McGuire "The Politics and Economics of Mental Health Parity Laws" *Health Affairs* 1997;16(4):108-19.

[Available at: <http://content.healthaffairs.org/cgi/reprint/16/4/108>]

4/10 Aging and Long-Term Care (D. Stevenson)

The following provides a review of long-term care and offers a current, concise introduction to the topic and relevant policy issues.

Long-Term Care in America: An Introduction.

[Available at: http://www.qualitylongtermcarecommission.org/pdf/ltc_america_introduction.pdf]

The second paper focuses on LTC financing with a particular emphasis on personal responsibility and asset transfer.

O'Brien E. Medicaid's coverage of nursing home costs: Asset shelter for the wealthy or essential safety net?

[Available at: <http://ltc.georgetown.edu/pdfs/nursinghomecosts.pdf>]

A change of pace from the first two system-focused articles. By focusing on individual preferences and LTC, the Kanes identify some of the ways in which LTC is different from many other health care services. Skim.

Kane RL, Kane RA. "What Older People Want from Long-Term Care, and How they Can Get It," *Health Affairs*. November/December 2001; 20(5):114-127.

[Available at: <http://content.healthaffairs.org/cgi/reprint/20/6/114.pdf>]

Finally, these last two articles give very different treatments to public reporting as a quality improvement strategy in the long-term care sector.

Mor V. Improving the quality of long-term care with better information. *Milbank Q*. 2005;83(3):333-364.

[Available at: <http://www.milbank.org/quarterly/8303feat.html>]

Stone D. Shopping for long-term care. *Health Affairs* Jul-Aug 2004;23(4):191-196.

[Available at: <http://content.healthaffairs.org/cgi/reprint/23/4/191.pdf>]

Optional: If one wants a very different take on this issue, please see the following:

Moses SA. Aging America's Achilles Heel: Medicaid Long-Term Care.

[Available at: <http://www.centerltc.com/AgingAmericasAchillesHeel.pdf>]

04/15 Disparities in Health (T. McGuire)

Topics covered include the following. What is a “disparity” in health care? What of the differences in health care use we observe across populations indicates something unfair? Are disparities just a second-order (ie low priority) version of the quality problem? How do disparities come about in a health care system where providers are oriented to provide health care treatment in response to patient’s need? The role of disparities in access and the role of disparities arising from the clinical encounter. How much of disparities can be explained by what provider a patient has access to? Forms of discrimination: bias, stereotyping and information-based discrimination.

Institute of Medicine (2002), *Unequal Treatment: Confronting Racial and Ethnic Disparities in Health Care*. Summary, Chapters 1, 3, and 4.

[Available at: <http://www.nap.edu/books/030908265X/html/>]

Asch SM, Kerr EA, Keeseey J, et al.: Who is at greatest risk for receiving poor-quality health care? *New England Journal of Medicine* 354:1147-56, 2006

[Available at: <http://content.nejm.org.ezp1.harvard.edu/cgi/content/full/354/11/1147>]

Edward L. Hannan, Michelle van Ryn, Jane Burke, et al. 1999. “Access to coronary artery bypass surgery by race/ethnicity and gender among patients who are appropriate for surgery.” *Medical Care* 37(1): 68-77.

[Available at: <http://www.jstor.org.ezp1.harvard.edu/view/00257079/ap060409/06a00110/0#&origin=sfx%3Asfx>]

Balsa AI, TG McGuire, and LS Meredith. “Testing for Statistical Discrimination in Health Care.” *HSR: Health Services Research*. February 2005. 401(1): 227.

[Available at: <http://www.blackwell-synergy.com.ezp1.harvard.edu/links/doi/10.1111/j.1475-6773.2005.00351.x>]

McGuire TG, Alegria M, Cook BL, Wells KB, Zaslavsky A. Implementing the IOM Definition of Disparities: An Application to Mental Health Care. *HSR: Health Services Research*. October 2006. 41 (5): 1979–2005.

[Available at: <http://www.blackwell-synergy.com.ezp1.harvard.edu/doi/abs/10.1111/j.1475-6773.2006.00583.x>]

Baicker, K., Chandra, A., Skinner, J.S., & Wennberg, J.E. (2004). Who you are and where you live: How race and geography affect the treatment of Medicare beneficiaries. *Health Affairs*, Web Exclusive October 7, 2004, p. 33-44.

[Available at: <http://content.healthaffairs.org.ezp1.harvard.edu/cgi/reprint/hlthaff.var.33v1>]

Zaslavsky AM, Ayanian JZ: Integrating research on racial and ethnic disparities in health care over place and time. *Medical Care* 43:303-7, 2005

[Available at:

<http://gateway.tx.ovid.com.ezp1.harvard.edu/gw1/ovidweb.cgi?QS2=434f4e1a73d37e8c69eec78d160eab4ae75bc58992d6249d7e939bc662675c2d06ecc0fbd1b0fe5b7dbb23283d20dd991194e1e8c551928e6af232d34bf490cf1248eda6058bd4a0ccbb7634b362d91ddf7aa2664994d9bf938c3372b2e5b8b70e8a650602aa0d430f67ce04e8d0e734e1cfe832a2a879c1c373ed8e4ee01bf7cf293725a498582694ef3368c3df2356670d276b416e25ae1126548c7e44cd85a5a994824576054c82ad06a751cd3acbd2269668f68d26348abde5d4bb2db4a89280d63b64f3ca3714f044c2f47385eb5a1f4cb564bfe6d95426a8d0783b09fde1a86b60839ba321eb1f2f3df3a1d9f58c19d01b4d72b625156ef886b301ead0>]

➤ Economics Assignment Due

04/17 Income and Health (E. Meara)

These readings are designed to provide a sample of the literature on income and health and a sense of the important hypotheses in the literature. You should, as you read, think about your critique of the design/methods used in some of the commonly cited literature. Finally, I encourage you to think about how policy makers should approach both the study of this topic and potential policies to address income disparities in health.

Adler NE, Boyce WT, Chesney MA, Folkman S, Syme SL. Socioeconomic inequalities in health. No easy solution. *JAMA*. 269(24):3140-5, 1993 Jun 23-30.

[Available at: <http://jama.highwire.org/cgi/content/abstract/269/24/3140>]

Adler et al. provides a review of older literature on income and health and some threats to some of the most common early hypotheses to explain the link.

Wilkinson, Richard G., chapters 4 and 5 of *Unhealthy Societies: The Afflictions of Inequality*, New York: Routledge, pp. 53-109, 1996.

[Packet – Also on reserve at KSG library]

Wilkinson lucidly describes the Whitehall study and many related studies that started the interest in the relationship between income and health. He then goes on to describe his hypothesis about the relationship between income inequality and health, drawing from often-cited papers in this area.

David Cutler, Angus Deaton, and Adriana Lleras-Muney. The Determinants of Mortality. *The Journal of Economic Perspectives*, 20(3):97-120, 2006.

[Available at: http://www.princeton.edu/~rpds/downloads/cutler_deaton_lleras-muney_determinants_mortality_nberdec05.pdf]

Review the article “The Determinants of Mortality,” first assigned in David Cutler's Sept. 20 lecture on Determinants of Health, but focus on their description and conclusions regarding income and health.

Dana P. Goldman and James P. Smith. Can Patient Self-Management Help Explain the SES Gradient? *PNAS*, August 6, 2002, 99(16): 10929-10934.

[Available at: <http://www.pnas.org.ezpl.harvard.edu/cgi/content/full/99/16/10929>]

SECTION IX: GLOBAL AND COMPARATIVE HEALTH (SECTION LEADER: DAVID BLOOM)**04/22 Demographics and Health (D. Bloom)**

David Bloom and David Canning, 'Booms, Busts, and Echoes', *Finance & Development*, September 2006, 8–13.

Short, non-technical introduction to key global demographic patterns and trends and their implications.

[Available at: <http://www.imf.org/external/pubs/ft/fandd/2006/09/bloom.htm>]

David Bloom and David Canning, 'The Health and Wealth of Nations', *Science*, February 18, 2000, Vol. 287, 1207–9.

Accessible introduction to the notion that “healthier means wealthier”.

[Packet]

Optional:

Massimo Livi-Bacci, 1992, *A Concise History of World Population*. Cambridge, Massachusetts: Blackwell.

Outstanding overview of the history of world population.

David Bloom and David Canning, 'Global Demographic Change: Dimensions and Economic Significance', in 'Population Aging, Human Capital Accumulation, and Productivity Growth', Alexia Prskawetz, David E. Bloom, and Wolfgang Lutz, eds., a supplement to *Population and Development Review* vol. 33, Population Council, New York, 2007.

More detailed examination of global demographic and health trends and their macroeconomic implications.

04/24 (D. Jamison)

Readings TBD

04/29 Impact of Health Knowledge on Health Behavior (E. Field)

Kremer, Michael and Edward Miguel (2004). “The Illusion of Sustainability”

[Available at: <http://post.economics.harvard.edu/faculty/kremer/webpapers/illusion.pdf>]

Dupas, Pascaline (2005). “Relative Risks and the Market for Sex: Teenagers, Sugar Daddies, and HIV in Kenya”

[Available at: http://homepages.nyu.edu/%7Epd482/Dupas_RelativeRisks.pdf]

Wolfe BL and JR Behrman (1987). “Women's schooling and children's health: Are the effects robust with adult sibling control for the women's childhood background?” *Journal of Health Economics* 6(3):239-54.

[Available at: http://www.sciencedirect.com.ezp1.harvard.edu/science?_ob=ArticleURL&_udi=B6V8K-45DMP1T-11&_user=209690&_coverDate=09%2F30%2F1987&_rdoc=1&_fmt=&_orig=search&_sort=d&view=c&_acct=C00014438&_version=1&_urlVersion=0&_userid=209690&md5=66cc41684aed9ddcfe6c1baea107ee5]

Caldwell, John (1990). Cultural and social factors influencing mortality levels in developing countries. *Annals of the American Academy of Political and Social Science* 510 (1):44-59.

[Available at:

<http://www.jstor.org.ezp1.harvard.edu/view/00027162/ap030664/03a00040/0?frame=noframe&userID=80673ce1@harvard.edu/01cc99331500501c749db&dpi=3&config=jstor>]

Boozer, Michael and Tomas Philipson (2000). "The Impact of Public Testing for Human Immunodeficiency Virus," *Journal of Human Resources* 35(3):419-46.

[Available at: <http://www.jstor.org.ezp1.harvard.edu/view/0022166x/ap010140/01a00020/0#&origin=sfx%3Asfx>]

Optional

Thornton, Rebecca (2005). "The Demand for and Impact of Learning HIV Status: Evidence from a Field Experiment": <http://www.people.fas.harvard.edu/~rlthornt/papers/HIVTesting.pdf>.

Glewwe, Paul (1999). "Why does mother's schooling raise child health in developing countries? Evidence from Morocco," *Journal of Human Resources*, 34(1, Winter):124-59

Malgosia Madajewicz, Alexander Pfaff, Alexander van Geen, Joseph Graziano, Iftikhar Hussein, Hasina Momotaj, Roksana Sylvi, and Habibul Ahsan (2005). Can Information Alone Both Improve Awareness and Change Behavior? Arsenic contamination of groundwater in Bangladesh.

Valente, T. and W. Saba (1998). Mass media and interpersonal influence in a reproductive health communication campaign in Bolivia. *Communication Research* 25:96-124.

Glanz, K., Lewis, F. M., Rimer, B. K., (Eds). (1997). Health behavior and health education theory, research, and practice. Second edition. San Francisco, CA: Jossey-Bass Publishers: Chapter 4.

Field, Erica and Attila Ambrus (2005). "Early marriage and female schooling in Bangladesh": <http://post.economics.harvard.edu/faculty/field/papers/EarlymarEducation-1205.pdf>

Breierova, Lucia, and Esther Duflo (2003). "The Impact of Education on Fertility and Child Mortality: Do Fathers Really Matter Less Than Mothers?" (Paris: Organization for Economic Cooperation and Development)

Jens Kovsted & Claus C. Portner & Finn Tarp. Child Health and Mortality: Does Health Knowledge Matter?, *Journal of African Economies*, vol. 11(4), 2002: <http://faculty.washington.edu/cportner/papers/guineabissau.pdf>

05/01 Comparative Health Systems (W. Hsiao)

William C. Hsiao. What is a Health System? Why Should We Care? pp. 1-38 (Unpublished Manuscript).
[Packet]

Lu J-F. R. and Hsiao W.C. "Does Universal Health Insurance Make Health Care Unaffordable? Lessons from Taiwan." *Health Affairs* 22(3):77-88.
[Available at: <http://content.healthaffairs.org/cgi/content/full/22/3/77>]

05/06 The Link Between Health and Income (D. Canning)

Pritchett, L. and Summers, L. 1996. Wealthier is Healthier. *Journal of Human Resources*, 31(4): 844-68.
[Available at: <http://search.ebscohost.com/login.aspx?direct=true&db=bth&AN=9702101374&site=ehost-live&scope=site>]

Schultz P. 2001, "Productive Benefits of Improving Health: Evidence from Low Income Countries," mimeo, Yale University.
[Available at: <http://www.econ.yale.edu/~pschultz/productivebenefits>]

Shastry G.K. and D.N. Weil. 2003. "How Much of Cross-Country Income Variation is Explained by Health?" *Journal of the European Economic Association*, 1: 387-396.
[Available at: http://www.brown.edu/Departments/Economics/Papers/2003/2003-8_paper.pdf]

Bloom, D.E., Canning D. and J. Sevilla. 2004, "The Effect of Health on Economic Growth: A Production Function Approach", *World Development*, Vol.32(1), pp1-13.
[Available at: <http://www.sciencedirect.com.ezp1.harvard.edu/science/journal/0305750X>]

Optional:

Bloom D.E., Canning D. 2000, "The Health and Wealth of Nations," *Science*, 287: 1207-1208.

Savedoff W.D. and Schultz T.P. 2000, *Wealth from Health*, Inter-American Development Bank, Washington D.C.

Schultz P. 2002, "Wage Gains Associated with Height as a Form of Human Capital," *American Economic Review*, Papers and Proceedings, 92: 349-353.

Strauss J. and Thomas D. 1998, "Health, Nutrition and Economic Development," *Journal of Economic Literature*, 36(2): 766-817.

Schultz P. 1999, "Health and Schooling Investments in Africa," *Journal of Economic Perspectives*, 13(3): 67-88.

Bhargava, A. Jamison, D., Lau, L., and Murray, C. 2001. "Modeling the Effects of Health on Economic Growth," *Journal of Health Economics*, 20(3): 423-440.

Bloom, D.E. and Sachs, J. 1998, "Geography, Demography, and Economic Growth in Africa," *Brookings Papers on Economic Activity* 2, pp. 207-273.

Bloom D.E., Canning D. and Graham B., 2003, "Longevity and Life Cycle Savings," *Scandinavian Journal of Economics*, 105: 319-338.

Kalemli-Ozcan S. 2002, "Does Mortality Decline Promote Economic Growth?" *Journal of Economic Growth*, 7:411-439.

Gallup, JL, and J. Sachs, 2001. "The Economic Burden of Malaria". *American Journal of Tropical Medicine and Hygiene*: Jan-Feb.; 64(1-2 Suppl):85-96.

➤ **Final Research Proposal Due**

05/08 Discussion (K. Backes Kozhimannil)