

TITLE: - Challenges in Clinical Health Services Research (**HS 265**) —Winter 2005

CLASS: 911 Broxton Ave, Room 214, otherwise noted

INSTRUCTORS: Martin Shapiro, M.D., Neil Wenger, M.D., Carol Mangione, M.D., Katherine Kahn, M.D., Ron Hays, Ph.D., Douglas Bell, M.D., Honghu Liu, Ph. D.

GOAL:

The goal of this course is to prepare the student for the often complex challenges involved in conducting health services research on clinical topics and clinical populations. Topics to be covered include formulating appropriate questions, identifying sources of data, issues involved in studying a range of important populations and topics, challenges in the mechanics of conducting field studies (negotiating with providers, developing practical sampling strategies, dealing with institutional review boards, enrolling patients, etc.), as well as identifying funding sources, writing grants and publishing findings.

LEARNING OBJECTIVES:

- To gain practical understanding of issues involved in formulating and executing clinical research studies.
- To master some of the challenges involved in the use of specific methodologies, and studying specific content areas in clinical health services research.
- To gain some insights into the practicalities of getting funded and publishing research findings.

EVALUATING STUDENT PERFORMANCE:

Class Participation **55%**

- Specific Aims Presentation 5%
- Research Design Presentation 20%
- General Class Participation 30%

Written Materials **45%**

- Specific Aims 5%
- IRB Proposal 10%
- Research Design and Methods 30%

COURSE PROSPECTUS:

- Framing questions that are clinically relevant
- Sources of information
- Using claims data
- Studying disadvantaged populations
- Studying the doctor-patient relationship
- Studying clinical ethics
- Studying structure of health care
- Measuring inpatient care
- Measuring ambulatory care
- Sampling strategies for health services research
- Challenges in conducting field research
- Negotiating with healthcare providers
- Challenges in dealing with IRBs
- Enrolling patients
- Studying medicine on the web/informatics
- Developing a multidisciplinary team
- Identifying funding source
- Writing a research grant
- Publication strategies

COURSE READING MATERIALS:

*Keeler EB, Kahn KL, Draper D, Sherwood MJ, Rubenstein LV, Reinisch EJ, Kosecoff J, Brook RH: Changes in Sickness at Admission Following the Introduction of the Prospective Payment System. Journal of the American Medical Association. 1990;264(15):1962-1968.

*Kahn KL, Rogers WH, Rubenstein LV, Sherwood MJ, Reinisch EJ, Keeler EB, Draper D, Kosecoff J, Brook RH: Measuring Quality of Care with Explicit Process Criteria Before and After Implementation of the DRG-Based Prospective Payment System. Journal of the American Medical Association. 1990; 264(15):1969-1973.

*Rubenstein LV, Kahn KL, Reinisch EJ, Sherwood MJ, Rogers WH, Kamberg C, Draper D, Brook RH: Changes in Quality of Care for Five Diseases Measured by Implicit Review 1981 to 1986. Journal of the American Medical Association. 1990; 264(15):1974-1979.

*Kosecoff J, Kahn KL, Rogers WH, Reinisch EJ, Sherwood MJ, Rubenstein LV, Draper D, Roth CP, Chew C, Brook RH: Prospective Payment System and Impairment at Discharge: The Quicker-and-Sicker Story Revisited. Journal of the American Medical Association. 1990; 264(15):1980-1983.

*Kahn KL, Keeler EB, Sherwood MJ, Rogers WH, Draper D, Bentow SS, Reinisch EJ, Rubenstein LV, Kosecoff J, Brook RH: Comparing Outcomes of Care Before and After Implementation of the DRG-Based Prospective Payment System. Journal of the American Medical Association. 1992; 264(15): 1984-1988.

Mandelblatt JS, Ganz PA, Kahn KL. Proposed Agenda for the Measurement of Quality-of-Care Outcomes in Oncology Practice. Journal Clinical Oncology. 1999; 17(8):2614-2622.

*A Controlled Trial to Improve Care for Seriously Ill Hospitalized Patients. The Study to Understand Prognoses and Preferences for Outcomes and Risks of Treatments (SUPPORT). The SUPPORT Principal Investigators. JAMA. 1995;274:1591-8.

*Brody B. Assessing Empirical Research in Bioethics. Theoretical Medicine. 1993;14:211-9.

*Getting Doctors to Listen: Ethics and Outcomes Data in Context. Georgetown University Press. 1998. Chapter 1: Boyle PJ, Callahan D. Physicians' Use of Outcomes Data: Moral Conflicts and Potential Resolutions.

*Huston P, Naylor CD. Health Services Research: Reporting on Studies Using Secondary Data Sources. CMAJ. 1996 Dec 15;155(12):1697-709.

*Bindman AB; Grumbach K; Keane D; Lurie N. Collecting Data to Evaluate the Effect of Health Policies on Vulnerable Populations. Family Medicine. 1993; 25(2):114-9.

*Bindman AB; Keane D; Lurie N. Measuring Health Changes among Severely Ill Patients. The Floor Phenomenon. Medical Care. 1990; 28(12):1142-52.

*Brown ME; Bindman AB; Lurie N. Monitoring the Consequences of Uninsurance: A Review of Methodologies. Medical Care Research and Review. 1998; 55(2):177-210.

*Kaplan SH; Greenfield S; Gandek B; Rogers WH; Ware JE Jr. Characteristics of Physicians with Participatory Decision-Making Styles. Annals of Internal Medicine. 1996; 124(5):497-504.

*Kaplan SH; Gandek B; Greenfield S; Rogers W; Ware JE. Patient and Visit Characteristics Related to Physicians' Participatory Decision-Making Style. Results from the Medical Outcomes Study. Medical Care. 1995; 33(12):1176-87.

Kao AC; Green DC; Zaslavsky AM; Koplan JP; Cleary PD. The Relationship Between Method of Physician Payment and Patient Trust. JAMA. 1998; 280(19):1708-14.

Kao AC; Green DC; Davis NA; Koplan JP; Cleary PD. Patients' Trust in Their Physicians: Effects of Choice, Continuity, and Payment Method. Journal of General Internal Medicine. 1998;13(10):681-6.

*Designing Clinical Research by SB Hulley, SR Cummings, et al. 2001; Lippincott Williams & Wilkins. Chapter 17: Implementing the Study: Pretesting, Quality Control, and Protocol Revisions.

*How to Succeed in Academics by LL McCabe, ERB McCabe. 2000; Academic Press. Chapter 4, pgs. 31-40: Selecting Grant Opportunities.

*Designing Clinical Research by SB Hulley, SR Cummings, et al. 2001; Lippincott Williams & Wilkins. Chapter 19, pgs. 285-298: Writing and Funding A Research Proposal.

*How to Succeed in Academics, LL McCabe, ERB McCabe. 2000; Academic Press. Chapters 5-6, pgs 41-67.

*Designing Clinical Research by SB Hulley, et al. 2001; Lippincott Williams & Wilkins. Chapter 14: Addressing Ethical Issues.

Shalala D. Protecting Research Subjects--What Must Be Done. Department of Health and Human Services, Washington, DC 20201, USA. PMID: 10984573, UI: 20424010. New England Journal Medicine 2000; 14;343(11):808-10.

Sackett DL. Protection for Human Subjects in Medical Research. JAMA. 2000; 10;283(18):2387-2390.

*Selected readings on the UCLA IRB website (www.oprs.ucla.edu). Students will be asked to take the on-line course for UCLA Investigators (~ 1 hour of effort).

Weech-Maldonado, R., Morales, L. S., Elliott, M., Spritzer, K. L., Marshall, G., & **Hays, R. D.** (2003). Race/ethnicity, language and patients assessments of care in Medicaid managed care. Health Services Research, 38, 789-808.

Farley, D. O., Short, P. F., Elliott, M. N., Kanouse, D. E., Brown, J.A., & Hays, R. D. (2002). Effects of CAHPS health plan performance information on plan choices by New Jersey Medicaid beneficiaries. Health Services Research, 37, 985-1007.

Wilson I. B., Ding L., **Hays R. D.**, Shapiro M. F., Bozzette S. A., & Cleary P. D. (2002). HIV patients experiences with inpatient and outpatient care: Results of a national survey. Medical Care, 40, 1149-1160.

Spranca M. Kanouse D. E., Elliott M., Short P. F., Farley D. O., & **Hays, R. D.** (2000). Do consumer reports of health plan quality affect health plan selection? Health Services Research, 35, 933-947.

Snyder R., Cunningham W., Nakazono T. T., & **Hays R. D.** (2000). Access to medical care reported by Asians and Pacific Islanders in a West Coast physician group association. Medical Care Research and Review, 57, 196-215.

Solomon, L., Hays, R. D., Zaslavsky, A., & Cleary, P. D. (in press). Psychometric properties of the Group-Level Consumer Assessment of Health Plans Study (G-CAHPS[®]) instrument. Medical Care.

Vazirani, S., **Hays, R. D.**, Shapiro, M. F., & Cowan, M. (in press). Impact of the Multidisciplinary Doctor Nurse Practitioner (MDNP) study on perceptions of communication and collaboration among doctors and nurses. American Journal of Critical Care.

Weech-Maldonado, R., Elliott, M., Morales, L. S., Spritzer, K. L., Marshall, G., & **Hays, R. D.** (2004). Health plan effects on patient assessments of Medicaid managed care among racial/ethnic minorities. Journal of General Internal Medicine, 19, 136-145.

Course Outline

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|--------|---------------------------------------------------------------|------------|
| Jan 6 | Introduction | Wenger |
| Jan 11 | Framing and evaluation research ideas/questions | Shapiro |
| Jan 13 | Specific aims: Presentations | Shapiro |
| Jan 18 | Selecting a study design; independent and dependent variables | Shapiro |
| Jan 20 | Writing a grant proposal | Mangione |
| Jan 25 | Writing a grant proposal part 2 | Shapiro |
| Jan 27 | Writing an IRB proposal/Negotiating with providers | Shapiro |
| Feb 1 | Data source; Sample size calculation and power analyses | Wenger/Liu |
| Feb 3 | Studying clinical ethics | Wenger |
| Feb 8 | Measuring inpatient care | Kahn |
| Feb 10 | Measuring ambulatory care | Kahn |
| Feb 15 | Studying information systems in medicine | Bell |
| Feb 17 | Studying disadvantaged populations | Mangione |
| Feb 22 | Studying structure of care | Kahn |
| Feb 24 | Studying doctor-pt relationship | Hays |
| Mar 1 | Funding sources | Mangione |
| Mar 3 | Publication strategies | Wenger |
| Mar 8 | Presentation | Shapiro |
| Mar 10 | Presentation | Shapiro |
| Mar 15 | Presentation | Shapiro |