

TITLE: Challenges in Clinical Health Services Research (HS 265)

CLASS: 911 Broxton Ave, Room 214, otherwise noted

INSTRUCTORS: Martin Shapiro, M.D., Ph.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.

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.

Course Outline

Jan 8	Introduction	Wenger
Jan 13	Framing and evaluation research ideas/questions	Kahn
Jan 15	Specific aims: Presentations	Shapiro
Jan 20	Selecting a study design; independent and dependent variables	Kahn
Jan 22	Writing a grant proposal	Mangione
Jan 27	Data source; Sample size calculation and power analyses	Wenger/Liu
Jan 29	Writing an IRB proposal/Negotiating with providers	Shapiro
Feb 3	Writing a grant proposal part 2	Shapiro
Feb 5	Studying clinical ethics	Wenger
Feb 10	Measuring inpatient care	Shapiro
Feb 12	Measuring ambulatory care	Shapiro
Feb 17	Studying disadvantaged populations	Mangione
Feb 19	Studying information systems in medicine	Bell
Feb 24	Studying structure of care	Kahn
Feb 26	Studying doctor-pt relationship	Hays
Mar 2	Publication strategies	Wenger
Mar 4	Funding sources	Mangione
Mar 9	Presentation	Shapiro
Mar 11	Presentation	Shapiro
Mar 16	Presentation	Shapiro