

## ECS 120 – STUDYING PATIENTS’ DECISIONS

### Relevant Booklist

This list is provided for students who are interested in building a personal library of books about the decision sciences in health care:

#### Decision Psychology

- Baron J. **Thinking and Deciding**. Third ed. Cambridge: Cambridge University Press, 2000. *Part I offers a broad overview of thinking, including its role in problem solving and its relation to learning, intelligence, creativity, and logic. Part II deals with the formation of beliefs and the making of judgments. Part II concerns decision, morality, intertemporal choice, and the choice of goals. (see attached list – 3<sup>rd</sup> ed)*
- Connolly T, Arkes HR, Hammond KR, editors. **Judgment and Decision Making: An Interdisciplinary Reader**. Second ed. Cambridge: Cambridge University Press, 2000. *This book brings together key research articles in these fields. Issues include medical diagnosis, weather forecasting, labor negotiations, risk, public policy, business strategy, eyewitness testimony, etc. It is a revised edition of the 1986 collection edited by Arkes & Hammond (see below).*
- Goldstein William M., Hogarth Robin M., editors. **Research on Judgment and Decision Making: Currents, Connections, and Controversies**. Cambridge UK: Cambridge University Press, 1997. *This book offers an overview of recent research on the psychology of judgment and decision making. It provides a way of viewing the overall structure of the field, its recent trends, and current controversies. Topics include anomalies in thinking, counterfactual reasoning, memory, causal judgment, affect, attitudes, motivation, problem representation, etc.*
- Kahneman D, Slovic P, Tversky A, editors. **Judgment Under Uncertainty: Heuristics and Biases**. Cambridge: Cambridge University Press, 1982. *People’s intuitive inferences, predictions, probability assessments, and diagnoses do not conform to the laws of probability and statistics. Instead, people use judgmental strategies or heuristics which often lead to biases in thinking. This book describes various judgmental heuristics and biases in different contexts. Topics include the representativeness and availability heuristics, overconfidence, risk perception, and methods for improving judgments under uncertainty.*
- Payne JW, Bettman JR, Johnson EJ. **The Adaptive Decision Maker**. Cambridge: Cambridge University Press, 1993. *These authors argue for a shift in the research agenda from demonstrations of the “irrationality” of heuristics and biases. They argue that people use many different strategies, and introduce the effort-accuracy framework to illustrate how decision makers balance effort and accuracy considerations when making judgments and choices.*

- Plous S. **The Psychology of Judgment and Decision Making**. New York: McGraw-Hill, Inc., 1993. *A clear, engaging integration of classic research and current theories, written for the lay reader.*
- Yates JF. **Judgment and Decision Making**. Englewood Cliffs, NJ: Prentice-Hall, Inc., 1990. *Comprehensive and integrative text on judgment and decision making that is accessible to a wide audience. Complex material presented in straightforward and well organized form. Good examples and illustrations.*

### **Decision Making by Health Care Consumers**

- Irwig J, Irwig L, Sweet M. **Smart Health Choices: How to Make Informed Health Decisions**. St Leonards, NSW, Australia: Allen & Unwin, 1999. *Provides lay reader with critical appraisal skills to use in their own health care decision making. Gives guidance about what questions to ask practitioners, how to interpret answers, how to assess quality of evidence in public media. Emphasis on arriving at decisions based on best available evidence and personal preferences.*
- Oster N, Thomas L, Joseff D. **Making Informed Medical Decisions: Where to Look and How to Use What You Find**. Sebastopol, CA: O'Reilly & Associates, 2000. *Same as above.*

### **Decision Sciences in Health Care**

- Chapman GB, Sonnenberg FA, editors. **Decision Making in Health Care: Theory, Psychology, and Applications**. Cambridge: Cambridge University Press, 2000.
- Dowie J, Elstein A, editors. **Professional Judgment: A Reader in Clinical Decision Making**. Cambridge, U.K.: Cambridge University Press, 1988. *This book provides a comprehensive introduction to the main descriptive and prescriptive approaches to judgment and decision making in clinical medicine. The contributors include psychologists, economists, decision theorists, statisticians, lawyers and sociologists, as well as medical specialists. Examples of relevant theories, empirical research, and applications are provided.*
- Edwards A, Elwyn G, editors. **Evidence-Based Patient Choice: Inevitable or Impossible?** Oxford: Oxford University Press, 2001. *Provides a summary of current perspectives on integrating the evidence-based approach to health care with the promotion of consumer choice. Gives examples, explores ethical, sociological, and economic issues, addresses necessary changes in professional preparation and in health care organization.*
- Sox HC, Blatt MA, Higgins MC, Marton KI. **Medical Decision Making**. Boston: Butterworths, 1988. *Processes of formal clinical decision analysis. Differential diagnosis, probability estimation, Bayesian analysis, evaluation of usefulness of diagnostic tests – and using all these in medical decision making.*

- Weinstein MC, Fineberg HV, Elstein AS, Frazier HS, Neuhauser D, Neutra RR et al. **Clinical Decision Analysis**. Philadelphia: W.B. Saunders Co., 1980. *A classic.*

### Measurement Issues

- Gold MR, Siegel JE, Russell LB, Weinstein MC, editors. **Cost-Effectiveness in Health and Medicine**. New York: Oxford University Press, 1996. *In-depth discussion of the uses and conduct of cost-effectiveness analyses as decision making aids in the health and medical fields. Created by multi-disciplinary panel of economists, ethicists, psychometricians, and clinicians appointed by the U.S. Public Health Service.*
- McDowell I, Newell C. **Measuring Health: A Guide to Rating Scales and Questionnaires**. Second ed. New York: Oxford University Press, 1996. *Reference book that provides in-depth reviews of the quality of the leading health measurements that are used to monitor the outcomes of care and the output of the health system. Provides critical overview of the field of health measurement.*
- Nord E. **Cost-Value Analysis in Health Care: Making Sense out of QALYs**. Cambridge: Cambridge University Press, 1999. *Cost-Utility Analysis (CUA) helps decision makers distribute scarce resources to areas of health care where they will yield the greatest benefits. A core element of CUA involves using data about patients' quality of life to weigh life years in different states of illness relative to years spent in full health. This book challenges this approach, and present an alternative, Cost-Value Analysis.*
- Nunnally JC. **Psychometric Theory**. New York: McGraw-Hill Book Co., 1978. *Another classic.*
- Schwartz CE, Sprangers MAG, editors. **Adaptation to Changing Health: Response Shift in Quality-of-Life Research**. Washington, DC: American Psychological Association, 2000. *Response shift refers to the changes in people's perceived quality of life that occur emerge as their experience with injury or illness progresses. This book examines the construct, its theoretical underpinnings, methods for detecting response shift, and its application in medical decision making and outcomes research.*