

2009 Mentors

Barnato, Amber MD, MPH, MS

Associate Professor of Medicine
University of Pittsburgh, Pittsburgh, PA, US

Discipline: Geriatric medicine; Critical Care

Interests: Cognition, attitudes, psychology; Development and analysis of large databases; Ethical and legal issues; Health economics, cost-benefit and cost-effectiveness analysis; Technology assessment and health policy Simulation (not the computer kind, the physician training kind)

Bio: I am a public health physician and health services researcher. I'm an Associate Professor of Medicine, Clinical and Translational Science, and Health Policy at the University of Pittsburgh School of Medicine and Graduate School of Public Health. My research interest is organizational and provider determinants of practice variations, especially related to end-of-life ICU and life-sustaining treatment use for critically ill elders. I stopped seeing patients in 2003; I spend the majority of my time doing research, and about a quarter of my time doing educational administration, and teaching/mentoring.

Cantor, Scott PhD

Professor
The University of Texas M. D. Anderson Cancer Center, Houston, TX, US

Discipline: Decision Sciences

Interests: Decision analysis; Diagnostic testing; Health economics, Cost-benefit and cost-effectiveness analysis; Outcomes assessment/management; Technology assessment and health policy

Web: http://faculty.mdanderson.org/Scott_Cantor/

Bio: Scott B. Cantor received his B.A. cum laude in Applied Mathematics from Yale University. After working in research and administrative positions at the Yale Schools of Management and Medicine, he returned to university study, earning a doctorate in Decision Sciences from Harvard University. Dr. Cantor's initial postdoctoral appointment was at The University of Texas Medical Branch at Galveston. Since 1994, he has been at The University of Texas M. D. Anderson Cancer Center, where he is now an Associate Professor in the Section of Health Services Research in the Department of Biostatistics. He holds adjunct appointments at Rice University and The University of Texas School of Public Health, where he has taught courses and given guest lectures in health decision sciences. Scott has been a member of the Society for Medical Decision Making (SMDM) since 1989. Scott has served on the SMDM Board of Trustees as a Trustee (1997-1999), Vice-President (2000-2001), and President (2003-2004). He was Program Chair for the 19th Annual Meeting in Houston (1997). At other annual meetings, he has served on the Scientific Review Committee, been a faculty mentor, and taught short courses in cost-effectiveness analysis. He has chaired the Strategic Planning, Education, and Nominations Committees and participated on the Membership and Administration Committees. He was an Assistant Editor (1994-1997) for the journal Medical Decision Making. In addition to SMDM, Dr. Cantor is also a member of the following societies: Institute for Operations Research and Management Science, Health Technology Assessment International, Society for Judgment and Decision Making, American Society of Clinical Oncology, and Public Responsibility in Medicine and Research. His research focuses on theoretical issues concerning cost-effectiveness analysis and diagnostic testing, and on clinical issues concerning oncology, especially cancer prevention.

Dawson, Neal MD

Professor of Medicine, Epidemiology & Biostatistics
Case Western Reserve University, Cleveland, OH, US

Discipline: General internal medicine

Interests: Assessment of patient preferences, values and utilities; Biostatistics; Clinical epidemiology; Cognition, attitudes, Psychology; Descriptive studies; Diagnostic testing; Disease management medicine; Health services research; Risk, case mix and severity of illness; Outcomes assessment/management

Web: www.chrp.org

Bio: I have considerable experience in patient and physician decision making from both the descriptive and prescriptive points of view. Research topics have included end of life decisions, alcohol problems, Alzheimer's disease, measures of judgmental and modeling accuracy, among others. I have expertise in observational study methods and cluster randomized trials.

2009 Mentors

Dolan, James MD

Associate Professor

Department of Community & Preventive Medicine, University of Rochester, Rochester, NY US

Discipline: General Internal Medicine

Interests: Assessment of patient preferences, values and utilities; Clinical strategies; Cognition, attitudes, psychology; Decision analysis; Development and evaluation of practice guidelines; multi-criteria decision making, risk communication; Health services research

Bio: I am a general internist. My research interests are directed primarily toward clinical decision support, including shared decision making, patient and provider decision aids, decision making processes, and risk communication.

Eckman, Mark MD

Director, Division of General Internal Medicine; Director, Center for Clinical Effectiveness

University of Cincinnati Medical Center, Cincinnati, OH, US

Discipline: General Internal Medicine and Medical Decision Making

Interests: Clinical strategies; Decision analysis; Diagnostic testing; General internal medicine; Health economics; Cost-benefit and cost-effectiveness analysis; Medical informatics

Web:

http://intmed.uc.edu/divisions/general_medicine/global_tpl.cfm?SecId=Faculty&SubId=BioDetails&PageId=ALL&FacultyID=117

Bio: For the past twenty-three years, I have followed my passion as a general internist and a decision scientist, first as an active member of the Division of Clinical Decision Making at the New England Medical Center (1984-1999) and more recently as Director of the Center for Clinical Effectiveness in the Institute for the Study of Health at the University of Cincinnati Medical Center (1999 – present). As both a researcher and a clinician, this environment has supported my interests in combining both clinical and theoretic applications of decision analysis to the care of individual patients and to broader issues of health policy. In particular my methodological interests have included the application of artificial intelligence techniques to decision analysis, the development of patient-specific decision support tools, and the continued study and development of new decision analytic methods. In terms of decision analytic application areas, my interests also extend to more generic issues of health policy planning and cost-effectiveness analyses, attempting to use quantitative methods to help make decisions about the allocation of increasingly scarce health care resources. I also have maintained a special interest in the decision analytic issues surrounding anticoagulation therapy within a variety of clinical situations, including atrial fibrillation, venous thromboembolism, and thrombophilic states. Within our institution in particular and the profession in general, I am also deeply committed to pursuing the continued development and application of computational and information technologies to the practice of medicine and medical education. I believe that the challenges we encounter as both clinicians treating individual patients and as administrators managing and leading systems of care, provide the most fertile soil for interesting research and innovative problem solving. The model we are striving to create at the Institute for the Study of Health is one that balances a portfolio of research projects that on the one hand address the operational and strategic needs of our own institution, but also utilize these real-world challenges and investigations as the nidus for more scholarly work.

2009 Mentors

Fagerlin, Angie PhD

Associate Professor

University of Michigan/VA, Ann Arbor, MI, US

Discipline: Psychology

Interests: Oncology; Assessment of patient preferences, values and utilities; Cognition, attitudes, psychology; Education; Health services research; Medical informatics

Web: www.cbds.org

Bio: My research is primarily focused on helping patients make medical decisions. More specifically, I am interested in testing methods to improve the communication of the risks and benefits of treatment and teaching people how to participate in shared decision making with a physician. In doing so, I test different methods of designing patient decision aids and test to see how they affect knowledge, risk perceptions, treatment choices, and patient-physician communication. I also have significant interest and experience in issues concerning numeracy and literacy. Finally, my past research focused on the use of living wills at the end of life.

Ganiats, Ted MD

Professor and Interim Chair

University of California San Diego, La Jolla, CA, US

Discipline: Family Practice

Interests: Clinical epidemiology; Clinical strategies; Decision analysis; Evidence-based medicine; Health economics, cost-benefit and cost-effectiveness analysis; Health services research; Pharmacoeconomics; Quality of life

Bio: Family physician and health services researcher who does mainly quality of life and cost-effectiveness research.

Glick, Henry PhD

Associate Professor of Medicine

University of Pennsylvania, Philadelphia, PA, US

Interests: Clinical epidemiology; Clinical trials; Cost-effectiveness analysis; Biostatistics, sampling uncertainty; sample size; Decision analysis; Diagnostic testing; Health economics; Pharmacoeconomics; Simulation modeling ; Technology assessment and health policy

Web: www.uphs.upenn.edu/dgimhsr

Gold, Heather PhD

Assistant Professor

Weill Cornell Medical College, New York, NY, US

Interests: Oncology; Genetics/pharmacogenetics; Decision analysis; Development and analysis of large databases; Diagnostic testing; Health economics, cost-benefit and cost-effectiveness analysis; Health services research; Technology assessment and health policy

Web: <http://www.med.cornell.edu/research/heathergold>

Bio: Dr. Gold received her Ph.D. in Health Services Research and Policy from the University of Rochester School of Medicine and Dentistry. Prior to that, she earned an M.A. degree in public policy studies from the University of Chicago, after which she was a health policy analyst working on major policy issues in Washington, DC. Dr. Gold holds a B.S. degree in biology from the University of California at San Diego. Her research aims to understand health and economic implications of suboptimal cancer treatment, given that care provided in the community is different than that given in clinical trials. She evaluates large, population-based databases to assess treatment at the community level using econometric models to overcome selection bias; conducts cost-effectiveness analyses using population-based data as much as possible; and studies how treatment decisions are made that might lead to suboptimal care. Dr. Gold also studies the adoption, diffusion, and cost effectiveness of new technologies. Dr. Gold joined SMDM in 1998 as a graduate student. She has been active with many activities of SMDM, including co-coordinating the mentoring program from 2002-2006 and serving as Trustee on the Board since 2007.

2009 Mentors

Hamm, Robert PhD

Professor

Clinical Decision Making Program, Dept of Family and Preventive Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK, US

Discipline: Judgment and Decision Making

Interests: Physician diagnostic reasoning, in particular computerized training in diagnostic category recognition; Psychology of medical decision making; judgment; informed decision making (prostate cancer screening; human papillomavirus screening); Family practice; Geriatric medicine; Artificial intelligence, computer aided diagnosis and expert systems; Assessment of patients preferences, values and utilities; Cognition, attitudes, psychology

Web: <http://www.fammed.ouhsc.edu/robhamm/index.htm>

Bio: Robert M. Hamm, PhD, is a cognitive psychologist specializing in judgment and decision making. He received his PhD in experimental psychology from Harvard University in 1979. Currently he is an Associate Professor in the Department of Family and Preventive Medicine at the University of Oklahoma Health Sciences Center. In addition to research on primary care medical decision making, he has studied expert decision making in business, engineering, military command and control, and surgery. His books with Dr. Charles Abernathy, *Surgical Scripts* (1994) and *Surgical Intuition* (1995), provide a realistic cognitive psychological account of medical expertise.

Dr. Hamm's responsibilities as the director of the Clinical Decision Making Program in the Department of Family Medicine include research and teaching on both (1) how medical decisions ought to be made (decision analysis, cost effectiveness analysis), and (2) how medical decisions actually are made (the psychology of decision making on the part of both doctors and patients). His research interests include both the formal analysis of medical decisions (e.g., management of mild cervical dysplasia) and the description of decision making behavior on the part of doctors (e.g., use of antibiotics in URI) and patients (e.g., teens' avoidance of violent relationships). He has written several Clinical Decision Making Calculators, available for download from <http://www.fammed.ouhsc.edu/robhamm/cdmcalc.htm>, which explain and perform the analyses relevant to medical decision making.

Harada, Ann PhD, MPH

Director, Clinical Analytics/Outcomes Research

Prescription Solutions, Irvine, CA, US

Interests: Health Services Research; Biostatistics; Health economics, cost-benefit and cost-effectiveness analysis; Outcomes assessment/management

Web: www.prescriptionsolutions.com

Bio: Dr. Harada is Director of Clinical Analytics/Outcomes Research at Prescription Solutions, a pharmacy and medical management company of UnitedHealth Group. She is responsible for the strategic management and leadership of multi-disciplinary analytic teams that design and deliver informatics solutions, clinical analytic reporting, disease/therapeutic management evaluations, formulary management decision support, and pharmaco-economic research studies to support clinical and business decision-making. She provides scientific oversight for teams of researchers, biostatisticians, applications developers, and analysts. With more than 20 years of experience in for-profit/non-profit, and academic research, Dr. Harada's interests have focused on health services research, health policy analysis, risk assessment, predictive modeling, quality-of-life assessment, decision analytic cost-effectiveness modeling, and methodological research.

Helfand, Mark MD MS

Professor

Oregon Health and Science University, Portland, OR, US

Interests: Clinical epidemiology; Evidence-based medicine; Health economics, cost-benefit and cost-effectiveness analysis

Bio: I edit the journal *Medical Decision Making*.

2009 Mentors

Kaplan, Robert PhD

Professor

University of California Los Angeles, Los Angeles, CA, US

Interests: Measurement of outcomes, QALYs, cost-utility analysis; General internal medicine; Psychology; Pulmonary disease; Clinical epidemiology; Decision analysis; Health services research

Web: http://www.ph.ucla.edu/hs/bio_kaplan.asp

Kim, Jane PhD, MS

Assistant Professor

Harvard School of Public Health, Boston, MA, US

Interests: Infectious disease; Obstetrics and gynecology; Oncology; Psychiatry; Decision analysis; Development and evaluation of practice guidelines; Health economics, cost-benefit and cost-effectiveness analysis; Simulation modeling; Technology assessment and health policy

Web: <http://www.hsph.harvard.edu/faculty/jane-kim/>

Bio: Dr. Kim's research focuses on the development and application of mathematical modeling methods to evaluate health policy issues related to women's health. In particular, she has evaluated the cost-effectiveness of cervical cancer prevention strategies and mental health interventions in different world settings. Her methodological interests include integrating different methods of operations research to inform health decision-making in low-resource settings, such as packaging health services at opportune moments and quantifying the impacts of budget and human resource constraints on program effectiveness and feasibility.

Klein, Robert BSIE, MS (statistics)

Lead Decision Analyst

Medical Decision Modeling Inc, Indianapolis, IN, US

Interests: Gastroenterology; Oncology; Rheumatology; Decision analysis; Health economics, cost-benefit and cost-effectiveness analysis; Pharmacoeconomics; Simulation modeling; Technology assessment and health policy

Web: www.mdm-inc.com

Bio: I spent 17 years at Regenstrief Institute affiliated with IU Med school and was the decision analyst for the knee replacement PORT in the mid 90's. I worked with Steve Roberts, a pioneer in applying discrete event simulation to health care. About ten years ago, upon receiving an SBIR grant from the NIH, I co-founded Medical Decision Modeling Inc (MDM) with Harry and Lee Smolen. MDM is a small contract research organization, focused on building pharmacoeconomic models, assessing technology, and creating value propositions for new pharmaceuticals. I have no medical training, but 30 years experience in applying engineering methods to health care problems.

Krahn, Murray MD, MSc

Director, THETA, F. Norman Hughes Chair in Pharmacoeconomics

University of Toronto, University Health Network, Toronto, Canada

Discipline: Medicine

Interests: General internal medicine; Cardiology; Clinical Decision Analysis; Clinical policy models, Clinical strategies; Clinical trials; Viral hepatitis, Gastroenterology, General internal medicine, Infectious disease, Medical oncology, Oncology; Assessment of patient preferences, values and utilities; Clinical epidemiology, Evidence-based medicine; Health services research; Development and analysis of large databases; Evidence-based medicine; Health economics, cost-benefit and cost-effectiveness analysis; Pharmacoeconomics; Technology assessment and health policy

Web: www.theta.utoronto.ca

Bio: BA Philosophy U. Winnipeg MD U. Manitoba Fellowship training internal medicine- U. Toronto MSc McMaster Fellowship in Clinical Decision Making- New England Medical Center Currently- director of THETA HTA shop. Chair in Pharmacoeconomics. Grants in disease specific utility instrument development, development of longitudinal costing models and clinical policy models in HCV and prostate cancer.

2009 Mentors

Lehmann, Harold MD PhD

Director, Research/Training; Division of Informatics
Johns Hopkins University Baltimore, MD, US

Discipline: Pediatrics

Interests: Artificial intelligence, computer-aided diagnosis and expert systems; Assessment of patient preferences, values and utilities; Bayesian statistics, Biostatistics; Clinical strategies; Decision analysis; Development and evaluation of practice guidelines; Education; Evidence-based medicine, Medical informatics; Meta-analysis/evidence synthesis; Technology assessment and health policy

Bio: Pediatrician with PhD training in informatics...Lots of experience training of students...decision modeling in many areas (mostly hematology, at this point)...guidelines in pediatrics...Bayesian models

McDonald, Kathryn MM/MBA

Senior Scholar and Executive Director
Stanford University/Stanford Health Policy, Stanford, CA US

Interests: Cardiology; Emergency medicine; Family practice; General internal medicine; Pediatrics; Surgery; Clinical strategies; Disease management; Evidence-based medicine; Health services research; Outcomes assessment/management; Quality of care; Technology assessment and health policy

Web: <http://healthpolicy.stanford.edu/people/2164/>

Bio: My research and educational activities focus on evidence-based medicine, patient-centered concerns, health care quality, and patient safety. I enjoy forming and participating in multi-disciplinary teams to identify, highlight and formulate solutions to issues of suboptimal performance of the health care system, both in the US and abroad.

McMahon, Pamela PhD

Associate Director/Assistant Professor
Institute for Technology Assessment, Massachusetts General Hospital, Boston, MA, US

Interests: Oncology; Pulmonary disease; Radiology; Meta-analysis/evidence synthesis; Simulation modeling; Technology assessment and health policy

Web: www.mgh-ita.org

Bio: Dr. McMahon received a BS with distinction in biology (neurobiology and behavior) from Cornell University and a PhD in health policy (decision science) from Harvard University. She was the recipient of training grants from the National Library of Medicine and the National Cancer Institute (Program in Cancer Outcomes Research and Training, at the ITA) and is now funded by a National Cancer Institute Howard Temin Pathway to Independence (K99-R00) Award. Dr. McMahon previously worked in biomedical research at the Dana-Farber Cancer Institute and the Genetics Institute (now Wyeth), where she was a Scientist in Discovery Research. In 1998, she joined the ITA, where her work has focused on informing decisions about the appropriate use of imaging strategies for the diagnosis of cancer and other diseases. She has also co-authored articles on adjusting competing mortality risks for smoking status and reviews of cancer screening models and technology assessment. She is currently using a policy model to evaluate the cost-effectiveness of helical CT screening for lung cancer and developing approaches for modeling genomic and proteomic profiles in lung cancer. Her methodological research interests include Bayesian evidence synthesis and estimation of competing mortality risks, as well as calibration techniques for complex microsimulation models.

2009 Mentors

Meltzer, David MD, PhD

Associate Professor

University of Chicago, US

Discipline: Medicine

Interests: Economics General internal medicine, Decision analysis, Health economics, cost-benefit and cost-effectiveness analysis, Pharmacoeconomics

Web: <http://harrisschool.uchicago.edu/faculty/web-pages/david-meltzer.asp>

Bio: Meltzer's research explores problems in health economics and public policy. A major area of Meltzer's research examines the theoretical foundations of medical cost-effectiveness analysis, including issues such as accounting for future costs due to the extension of life, the value of research, and the effects of patient choice and preferences on the value of medical interventions, which he has examined in the context of diabetes and prostate cancer. Another major area of study examines the effects of medical specialization on the cost and quality of care, especially in teaching hospitals. Dr. Meltzer is currently principal investigator for a randomized trial examining the use of doctors who specialize in inpatient care ("hospitalists") compared to traditional academic physicians in six academic medical centers. Other work examines the role of mortality decline in the economic growth and the demographic transition of developing countries; the effects of prospective payment systems on the cost and quality of care, and the effects of FDA regulation on innovation in the pharmaceutical industry.

Pignone, Michael MD, MPH

University of North Carolina, US

Discipline: General internal medicine

Interests: Assessment of patient preferences, values and utilities; Disease management; Technology assessment and health policy; Decision aid development, evaluation and implementation

Bio: Dr. Pignone is an Associate Professor of Medicine and Chief of the Division of General Internal Medicine at University of North Carolina- Chapel Hill. He also serves as the Director of the UNC Center for Excellence in Chronic Illness Care and the Co-director of Medical Practice and Prevention Research at the Sheps Center for Health Services Research. He received his medical degree and residency training in primary care internal medicine from the University of California- San Francisco. He then completed fellowship training in clinical epidemiology and health services research through the Robert Wood Johnson Clinical Scholars Program and his Master's degree in Epidemiology from the UNC School of Public Health. Dr. Pignone's research is focused on chronic disease prevention and treatment, as well on physician-patient communication and decision making in primary care settings. His main areas of interest include heart disease prevention, colorectal cancer screening, and management of common chronic conditions such as diabetes and heart failure. He has developed and tested interventions to mitigate literacy-related disparities and to improve the use of appropriate preventive services. His current cancer-related research focuses on the development, testing, and implementation of patient decision aids for colon cancer screening. He was recently awarded a K05 Established Investigator Award from the National Cancer Institute to study the use of economic techniques, including modeling, to improve cancer-related decision making.

Poses, Roy MD

Clinical Associate Professor of Medicine

Alpert Medical School, Brown University, Providence, RI, US

Discipline: General internal medicine

Interests: Clinical epidemiology; Cognition, attitudes, psychology; Development and evaluation of practice guidelines; Diagnostic testing; Education; Ethical and legal issues; Evidence-based medicine; Health services research; Outcomes assessment/management; Pharmaceutical industry; Quality of care; Risk, case mix and severity of illness; Technology assessment and health policy; Leadership and governance of health care organizations

Web: <http://hcrenewal.blogspot.com/>

Bio: Currently, I am most interested in improving leadership, governance and ethics of health care organization. I have considerable background in clinical epidemiology/ evidence based medicine, technology assessment, and the psychology of medical decision making.

2009 Mentors

Prosser, Lisa PhD, MS

Research Associate Professor
University of Michigan, Ann Arbor, MI, US

Interests: Infectious disease; Pediatrics; Assessment of patient preferences; values and utilities; Decision analysis; Health economics, cost-benefit and cost-effectiveness analysis; Simulation modeling

Web: http://www.dacp.org/faculty_prosser.html

Bio: Dr. Prosser is a Research Associate Professor in the Department of Pediatrics at the University of Michigan. Her major research interests are (1) economic evaluations of health interventions and (2) methods for valuing changes in health. Her current research focuses on policy-relevant topics concerning the cost-effectiveness of childhood interventions, including influenza vaccination and newborn screening. Dr. Prosser's research on the economic impact of influenza vaccination has been used in setting national vaccine policy for children and for prioritizing subgroups in vaccine shortage years. Current research projects include a national survey on public values for preventing influenza illness and an evaluation of the cost-effectiveness of expanded newborn screening programs that includes parental stress and anxiety associated with false positive test results. Another goal in Dr. Prosser's research is to advance the methods of valuing health for cost-effectiveness analysis, particularly for children's health states. One project underway is testing new approaches for valuing temporary health states using a discrete choice experiment. Dr. Prosser received her Ph.D. in health policy from Harvard University. She also holds a M.S. degree from the MIT Sloan School of Management and a M.S. from the Technology and Policy Program at MIT. Her undergraduate degree is in mathematics from Cornell University.

Redelmeier, Don MD

Professor of Medicine
University of Toronto, Toronto, CA

Interests: Clinical epidemiology; decision science; traumatic injury; General internal medicine

Web: <http://www.hpme.utoronto.ca/about/faculty/list/redelmeier.htm>

Rothberg, Michael MD, MPH

Director of Scholarly Projects--Internal Medicine Residency
Baystate Medical Center, Springfield, MA, US

Discipline: Medicine

Interests: Cardiology; General internal medicine; Geriatric medicine; Infectious disease; Pulmonary disease; Decision analysis; Development and analysis of large databases; Evidence-based medicine; Pharmacoeconomics

Web:

http://academics.bhs.org/Departments/Medicine/Faculty/General_Medicine_Geriatrics_Division/rothberg_m.html

Bio: Michael Rothberg, MD is board-certified in internal medicine. He is an Associate Professor at the Tufts University School of Medicine, and the Director of Scholarly Activities for the internal medicine training program at Baystate Medical Center. His research interests include cost-effectiveness and comparative effectiveness of diagnosis and treatment of common medical conditions such as influenza, pneumonia, COPD, and sepsis. He has been published widely on the cost-effectiveness of antiviral therapy and vaccination for influenza.

2009 Mentors

Sanders, Gillian PhD

Associate Professor of Medicine
Duke University, Durham, NC, US

Discipline: Medical Informatics

Interests: Decision analysis; Health economics cost-benefit and cost-effectiveness analysis; Cardiology; General internal medicine; Infectious disease; Meta-analysis/evidence synthesis; Simulation modeling

Web: <http://www.duke.edu/~gsanders/>

Bio: Dr. Gillian D. Sanders is a member of the Outcomes Research and Assessment Group within the DCRI and an Associate Professor in the Division of Clinical Pharmacology, Department of Medicine at Duke University Medical Center. Dr. Sanders received her undergraduate degree in Mathematics from Princeton University in 1993 and her doctorate in Medical Informatics from Stanford University in 1998. Dr. Sanders was an Assistant Professor of Medicine at Stanford's Center for Primary Care and Outcomes Research from 1998 until the fall of 2003 when she joined the faculty at Duke University. Dr. Sanders' research expertise lies in medical decision making, cost-effectiveness analysis, medical informatics, and guideline development. Dr. Sanders has performed numerous cost-effectiveness analyses including studies of the cost effectiveness of ICDs and amiodarone in the prevention of sudden cardiac death, the cost effectiveness of screening for breast cancer risk with genetic tests, the cost effectiveness of radiofrequency ablation for treatment of paroxysmal supraventricular tachycardias, the cost effectiveness of PET scanning for the diagnosis of solitary pulmonary nodules, the cost effectiveness of screening strategies for Chlamydia infection in adolescents, the cost-effectiveness of an HIV screening program, and analyses of potential *Coccidioides immitis* and human papillomavirus vaccines. For her work on distributed decision support using the web, Dr. Sanders received the Lee Lusted Award from the Society for Medical Decision Making (SMDM) in 1997, and for her work on automated guideline development from decision models she received the SMDM Award for Outstanding Paper by a Young Investigator in 2001. Dr. Sanders has served as mentor for undergraduate and graduate students as well as clinical fellows. While at Stanford, two of her undergraduate advisees earned the Stanford Firestone Medal for Excellence in Undergraduate Research, and more recently two of her mentees have been awarded SMDM Lee Lusted Awards for their research presentations. Dr. Sanders is currently President-Elect of SMDM and was co-chair of the 2005 SMDM Annual Meeting. She has also served as a Trustee and Vice President of SMDM and on the Medical Decision Making journal editorial board. Dr. Sanders has served as both a member and Chair of SMDM's Education Committee. Dr. Sanders is a member of the Agency for Healthcare Research and Quality's study section for Health Care Technology and Decision Sciences research. She is a member of the American Heart Journal editorial board and Co-Director of Duke's Center for the Prevention of Sudden Cardiac Death.

Schackman, Bruce PhD

Associate Professor of Public Health
Weill Cornell Medical College, New York, NY, US

Interests: Infectious disease; Decision analysis; Health economics, cost-benefit and cost-effectiveness analysis; Technology assessment and health policy

Web: <http://www.med.cornell.edu/research/bschackman/>

Bio: Dr. Schackman is Associate Professor of Public Health and Chief of the Division of Health Policy in the Department of Public Health at Weill Medical College of Cornell University. After earning a B.A. and an M.B.A. from Harvard University, he worked as a management consultant with McKinsey & Company, as a management expert in the Office of the Commissioner of the Food and Drug Administration, and as a managing director for health care venture capital investments in a financial services firm. He then returned to Harvard, where he earned his Ph.D. in health policy with a concentration in decision sciences. Dr. Schackman's expertise is in economic evaluation of health interventions, cost-effectiveness modeling, quality-of-life measurement and access to health care by underserved populations - particularly relating to treatment of infectious diseases and substance abuse. His current research projects include economic evaluations of screening and treatment for HIV, hepatitis C treatment, and opioid dependence treatment in the United States, and screening and treatment for HIV and syphilis in Haiti. He is also a member of the NIH-supported AIDS Clinical Trials Group and the National Institute on Drug Abuse Clinical Trials Network.

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Schapira, Marilyn MD, MPH

Professor of Medicine

Medical College of Wisconsin, Milwaukee, WI, US

Discipline: Internal Medicine

Interests: Assessment of patient preferences values and utilities; Cognition, attitudes, psychology; Descriptive studies; Disease management; Development and Evaluation of Decision Aids; Health Literacy and Health Numeracy; Women's Health; Shared decision making; Risk communication

Bio: College Education: Oberlin College

MD-MPH: University of Michigan

Current Position: Associate Professor of Medicine, Medical College of Wisconsin

MDM Leadership Positions: Educational Committee Member, Vice-President 2003

Dr. Schapira is a primary care general internists and a clinician investigator. Her work has involved the development and evaluation of decision aids for prostate cancer and post-menopausal hormone therapy. She is currently working on the development of a new measurement of health numeracy that will use Item Response Theory scaling methods. Areas of expertise relevant to mentoring include career planning for clinician investigators including those based at the VA and work-family balance.

I have attended SMDM meetings for approximately 10 years and have had the honor of serving as the Vice President of SMDM and currently sit on the Board of SMDM. I have participated in the mentoring program for several years and love the opportunity to meet SMDM members as part of the mentoring program. I have several prior mentors and mentees that I consider close colleagues and friends.

Schwartz, Alan PhD

Associate Professor

Dept. of Medical Education, University of Illinois at Chicago, IL, US

Interests: Assessment of patient preferences, values and utilities; Cognition, attitudes, psychology; Education; Ethical and legal issues; Evidence-based medicine; Medical Education; Psychology of medical decision making (patients or physicians); Pediatrics;

Web: <http://araw.mede.uic.edu/alansz>

Shumway, Martha PhD

Associate Professor

University of California at San Francisco, San Francisco, CA, US

Interests: Emergency medicine; Psychiatry; Psychology; Assessment of patient preferences, values and utilities; Biostatistics; Clinical epidemiology; Clinical trials; Cognition, attitudes, psychology; Descriptive studies; Health economics, cost-benefit and cost-effectiveness analysis; Health services research; Outcomes assessment/management; Risk, case mix and severity of illness; Simulation modeling

Web: http://psych.ucsf.edu/faculty_ektid214.aspx

Bio: My research focuses broadly on mental health services for underserved populations and includes the following topics related to medical decision making: stakeholder preference/utility assessment; outcome measurement; quality of life assessment; applied cost-effectiveness analysis; and clinical risk prediction. I have specific content area expertise in: schizophrenia; trauma and posttraumatic stress disorder, co-occurring conditions; medical and psychiatric emergency services; and public sector systems of care.

Siebert, Uwe MD, MPH, MSc, ScD

Professor of Public Health and Chair, Department of Public Health, Information Systems and Health Technology Assessment

University for Health Sciences, Medical Informatics and Technology, Hall/Innsbruck, Austria

Adjunct Professor of Health Policy and Management, Harvard School of Public Health, Boston, MA, US

Director, Cardiovascular Research Program, Institute for Technology Assessment, Dept. of Radiology, MGH, Harvard Medical School

Interests: Cardiology; Infectious disease; Oncology; Hepatology; Biostatistics; Clinical epidemiology; Decision analysis; Diagnostic testing; Evidence-based medicine; Health economics, cost-benefit and cost-

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effectiveness analysis; Meta-analysis/evidence synthesis; Pharmacoeconomics; Simulation modeling; Technology assessment and health policy; Causal Inference

Web: <http://iph.umat.at/>

Bio: Prof. Uwe Siebert, MD, MPH, MSc, ScD, Professor of Public Health, is the Chair of the Department of Public Health, Information Systems and Health Technology Assessment at the University for Health Sciences, Medical Informatics and Technology (UMIT) in Austria. He is also Adjunct Professor of Health Policy and Management at the Harvard School of Public Health and Associate Professor of Radiology at Harvard Medical School, where he directs the Program on Cardiovascular Research at the Institute for Technology Assessment, Massachusetts General Hospital, Boston. He has an adjunct teaching appointment at the School of Public Health and Epidemiology at the University of Munich. After medical school, Prof. Siebert worked for several years as a physician in international public health projects. He then earned an MPH at the Munich School of Public Health, and completed an MSc in Epidemiology and an ScD in Health Policy and Management with a concentration in decision sciences at the Harvard School of Public Health. Before he started his faculty position at Harvard Medical School, he was the Director of the Bavarian Public Health Research and Coordinating Center at the University of Munich, Germany, and completed Visiting Scholarship at the Harvard Center for Risk Analysis. His research interests include applying evidence-based quantitative methods from public health, epidemiology, outcomes research, economic evaluation and decision sciences in the framework of health technology assessments (HTA) as well as in the clinical context of routine health care. His current substantive research focuses on cancer, cardiovascular disease, diabetes, hepatitis C, HIV, and neurological disorders. His methodological research is focused on evaluations of public health interventions, prevention and screening, diagnostic imaging procedures, personalized medicine, information systems as well as the development of causal decision models. Prof. Siebert is a member of the Board of Trustees of the Society of Medical Decision Making (SMDM), a member of the International Expert Committee Advising the Institute for Quality and Efficiency in Health Care (IQWiG) on the Methods for Economic Evaluations of Health Care Interventions, a member of the Latin America Consortium Advisory Committee of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR), a member of the Advisory Board of the Ludwig Boltzmann Institute for Health Technology Assessment in Austria, a member of the 'National HTA Strategy' Expert Group of the Austrian Ministry of Health, a member of the Working Group "Methods of the Assessment of Cost-Benefit Relations" of the Scientific Advisory Board of IQWiG, and he has served as a member of the Board of Directors of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR). He is member of the Steering Committee of ONCOTYROL – Center of Personalized Cancer Medicine in Austria and Director of the Division for Public Health Decision Modeling, HTA and Health Economics in the Center. He is the Chairman of the Working Groups "Health Economics" and "Medical Decision Making" of the German Society for Medical Informatics, Biometry and Epidemiology (GMDS). He is Co-Chair of the "Issues in Methodology Section" of the SMDM Policy Initiative and a Leadership Member of the ISPOR Personalized Medicine Special Interest Group. He teaches courses in decision analysis, HTA, economic evaluation, and advanced epidemiologic methods at several universities and for industry in Europe, USA, and South America. He advises government agencies, academic institutions and the industry regarding the conduction and impact of health technology assessments on policy and reimbursement decisions. He has authored more than 200 publications including HTA reports, textbook chapters for decision analysis, scientific articles, and editorials.

Smith, Kenneth MD, MS

Associate Professor of Medicine

University of Pittsburgh School of Medicine, Pittsburgh, PA, US

Discipline: General internal medicine

Interests: Cost-effectiveness analysis; infectious disease modeling; Hospital medicine; Decision analysis; Health economics, cost-benefit and cost-effectiveness analysis; Pharmacoeconomics; Technology assessment and health policy

Web: http://www.dom.pitt.edu/dgim/faculty_info.aspx?fp=4851

2009 Mentors

Sonnad, Seema PhD

Associate Prof, Director Outcomes Research

Department of Surgery, University of Pennsylvania, Philadelphia, PA, US

Discipline: Health Services Research

Interests: Emergency medicine; General internal medicine; Geriatric medicine; Oncology; Orthopedic surgery; Radiology; Surgery; Assessment of patient preferences, values and utilities; Development and evaluation of practice guidelines; Diagnostic testing; Meta-analysis/evidence synthesis; Technology assessment and health policy; Health Disparities; Issues facing women in Academic Medicine

Web: <http://www.uphs.upenn.edu/surgery/faculty/ss.html>

Bio: Seema is Associate Professor and Director of Outcomes Research in the Department of Surgery, Associate Scholar in the Center for Clinical Epidemiology & Biostatistics, and Senior Fellow of the Leonard Davis Institute of Health Economics (LDI), all at the University of Pennsylvania. She received her PhD in Health Services and Policy Analysis and is interested in a broad range of interdisciplinary and collaborative health services research, including work in surgical outcomes, women in academic medicine, technology diffusion, meta-analysis and guidelines implementation. Her particular interests are in decisions that patients and providers make about new technologies and she has recently become interested in disparities related to innovation and new technology. In addition to her research, Seema teaches biostatistics for the Master's in Health Policy Research, the CCEB certificate program in clinical research, and for as many student, resident and faculty groups as she can persuade to listen.

Stahl, James MD, CM, MPH

Assistant Professor

Massachusetts General Hospital -Institute for Technology Assessment, Boston, MA, US

Discipline: Medicine

Interests: Decision analysis; Ethical and legal issues; General internal medicine; Health economics cost-benefit and cost-effectiveness analysis; Health services research; Outcomes assessment/management; Quality of care; Simulation modeling; Technology assessment and health policy

Web: <http://mgh-ita.org/staff/stahl.html>

Bio: I am a practicing board-certified internist and a Senior scientist at the MGH-Institute for Technology Assessment, Research Director for the MGH Outpatient RFID project and Read Trust Research Director for North Shore Medical Center. I interests in outcomes research, decision analysis, health technology assessment, and simulation modeling. My current research examines clinical process redesign, technology implementation, transplant allocation and organ replacement technologies, and ethics.

Sugano, David Dr.P.H.

Ex. Dir., Value Proposition

Novartis, East Hanover, NJ, US

Interests: Assessment of patient preferences, values and utilities; Biostatistics; Clinical epidemiology; Clinical strategies; Clinical trials; Decision analysis; Evidence-based medicine; Health economics, cost-benefit and cost-effectiveness analysis; Health services research; Meta-analysis/evidence synthesis; Outcomes assessment/management; Pharmaceutical industry; Pharmacoeconomics; Technology assessment and health policy

Bio: My academic background is in biostatistics and epidemiology, and am currently working in New Product development at a major pharmaceutical company where I evaluate the potential value of new technologies.

*** If anyone is considering a position in pharmaceutical industry, I'd be glad to describe the various types of opportunities for people in our field.

2009 Mentors

Tosteson, Anna ScD

Professor of Medicine and of Community and Family Medicine
Dartmouth Medical School, Hanover, NH, US

Interests: General internal medicine; Obstetrics and gynecology; Oncology; Orthopedic surgery; Radiology; Decision analysis; Development and evaluation of practice guidelines; Diagnostic testing; Health economics, cost-benefit and cost-effectiveness analysis; Health services research; Outcomes assessment/management; Pharmacoeconomics; Technology assessment and health policy

Bio: I am a Professor of Medicine and of Community and Family Medicine at Dartmouth Medical School and The Dartmouth Institute for Health Policy and Clinical Practice (TDI). I teach decision analysis and cost-effectiveness analysis in TDI's graduate programs and am affiliated with TDI's Center for Health Policy Research and Center for Informed Choice. My research uses decision-analytic modeling and economic evaluation to address clinical and health policy issues in musculoskeletal disease, cancer, and women's health. As a member of the American College of Radiology Imaging Network's (ACRIN) Outcomes and Economic Modeling Committee, I led the economic evaluation of the Digital Mammographic Imaging Screening Trial. I currently lead the cost-effectiveness component for the Spine Patient Outcomes Research Trial, a large multicenter study comparing spine surgery with non-operative care for common back and leg pain problems. I contributed to the Surgeon General's Report on osteoporosis and bone health and, as a member of the Physician Guide Committee for the National Osteoporosis Foundation, have used economic evaluation to support clinical guideline development.

Tsevat, Joel MD, MPH

Professor of Medicine and Associate Dean for Clinical and Translational Research
University of Cincinnati and Cincinnati VA Medical Centers, Cincinnati, OH, US

Interests: General internal medicine; Assessment of patient preferences, values and utilities; Decision analysis; Health economics, cost-benefit and cost-effectiveness analysis; Health services research

Web:

http://intmed.uc.edu/divisions/general_medicine/global_tpl.cfm?SecId=Faculty&SubId=BioDetails&PageId=ALL&FacultyID=134

Bio: I have been active in SMDM since 1986, first as a trainee, then as an active member, newsletter editor, annual meeting chair, vice-president, president, and chair or member of various committees. My research interests are: health-related quality of life, particularly health status vs. utilities; cost-effectiveness analysis; decision analysis; and spirituality/religion.

Zikmund-Fisher, Brian PhD

Assistant Professor, Health Behavior & Health Education
University of Michigan, Ann Arbor, MI, US

Interests: Cognition, attitudes, psychology; Education; Public health communications

Bio: Dr. Zikmund-Fisher uses his interdisciplinary background in decision psychology and behavioral economics to study factors that affect individual decision making about a variety of health and medical issues, with a particular emphasis on risk perceptions and the effects of poor numeracy (people's ability to use numbers to inform their decisions). His experimental research in health communications focuses on improving risk communication and identifying how message design factors (such as order or framing) can alter the cognitive and emotional meanings people take away from the health messages they receive.