

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN MEDICAL SCHOOL
DEPARTMENT OF INTERNAL MEDICINE

Approved by the Regents

May 17, 2007

Steven J. Bernstein, M.D., Associate Professor of Internal Medicine, with tenure, Department of Internal Medicine, Medical School, is recommended for promotion to Professor of Internal Medicine, with tenure, Department of Internal Medicine, Medical School [also being promoted to Research Scientist, School of Public Health].

Academic Degrees:

M.P.H.	1989	University of California, Los Angeles
M.D.	1984	University of Rochester
B.A.	1980	University of Rochester

Professional Record:

2005-Present	Associate Research Scientist, Department of Health Management and Policy, School of Public Health, University of Michigan
1998-Present	Associate Professor of Internal Medicine, University of Michigan
1993-1998	Assistant Professor of Internal Medicine, University of Michigan
1991-2005	Assistant Research Scientist, Department of Health Management and Policy, School of Public Health, University of Michigan
1990-1993	Instructor of Internal Medicine, University of Michigan
1989-1990	Assistant Professor of Internal Medicine, University of California, Los Angeles

Summary of Evaluation:

Teaching: Dr. Bernstein spends 450 hours teaching each year. He is a small group discussion leader for first- and second-year medical students. He works with them on issues related to medical decision making including biostatistics, study design, epidemiology and health care financing. He teaches third- and fourth-year medical students on the inpatient Medicine Service where he reviews and critiques their history and physical examinations, oral presentations, and progress notes. He also teaches internal medicine residents at the Ann Arbor VA. On the inpatient service this includes formal teaching rounds where clinical cases are discussed, bedside case presentations, didactic lectures based on patients' clinical problems, and a radiology clinical findings session. In the out-patient clinic he reviews house officers' progress notes; assesses their oral presentation skills and directs a formal teaching session one day each month. Dr. Bernstein provides teaching on quality improvement to Robert Wood Johnson Clinical Scholars and to the K12/K30 NIH Clinical Training Program fellows and has supervised one health services research post-doctoral fellow's work. At the School of Public Health he teaches masters students about health care in Western European Countries where he has conducted several research studies. Dr. Bernstein has received very good reviews on his teaching. In the out-patient clinic, where he does the majority of his teaching, residents have rated his teaching quality as 4.15 out of 5.

Research: Dr. Bernstein's scholarly niche is health care quality improvement ranging from the theoretical underpinnings of the appropriateness method to quality improvement processes directed at patients, physicians, and health systems. His research contributions include: (1) conducting the first study of the effect of a physician's specialty and nationality on appropriateness ratings; (2) estimating the sensitivity and specificity of the appropriateness method in identifying the overuse and underuse of medical procedures; (3) evaluating the appropriateness of use of cardiovascular procedures and hysterectomy in seven countries; (4) conducting the first long-term study on the quality of life of patients with chronic stable angina who had revascularization (this paper is a follow-up to the original study that he designed); (5) identifying the potential for mammography screening to become a "teachable moment" to increase colorectal cancer screening in women; and (6) co-authoring the first manual on the appropriateness method. He has received grants from the VA, BCBSM, Commonwealth Foundation, RAND, University of Zurich, Value Health Sciences, Erasmus University, and the Spanish Ministry of Education. As an invited speaker, he has presented on evidence based medicine and quality improvement methods to the American Pharmacists Association, the Michigan State Medical Society, the European Health Policy Forum, the Malaysian Ministry of Health, the Mexican Institute of Social Security, the Mexican National Academy of Medicine, the Spanish Ministry of Health, the Swedish Council of Technology Assessment, the Swiss Society of Cardiology as well as at numerous universities including Johns Hopkins, UCSF, UCLA, University of Chicago, University of Ottawa, Catholic University of Rome, Erasmus University (Netherlands), and University of Lausanne (Switzerland). He has also served on advisory committees to two European programs: the European Commission Concerted Action and the Appropriateness of PTCA in Spain.

Recent and Significant Publications:

Harrison RV, Standiford CJ, Green LA, Bernstein SJ: Integrating education into primary care quality and cost improvement at an academic medical center. *Journal of Continuing Education in the Health Professions* 26(4):268-284, 2006.

Carlos RC, Fendrick AM, Ellis J, Bernstein SJ: Can breast and cervical cancer screening visits be used to enhance colorectal cancer screening? *Journal of American College of Radiology* 1:769-776, 2004.

Brorsson B, Bernstein SJ, Brook RH, Werkö L: For the SECOR/SBU project group. Quality of life of patients with chronic stable angina before and four years after coronary revascularisation compared with a normal population. *Heart* 87:140-145, 2002.

Bernstein SJ, Lázaro P, Fitch K, Aguilar MD, Kahan JP: The effect of specialty and nationality on panel judgments of the appropriateness of coronary revascularization: A pilot study. *Medical Care* 39:513-520, 2001.

Shekelle PG, Park RE, Kahan JP, Leape LL, Kamberg CJ, Bernstein SJ: The sensitivity and specificity of the RAND/UCLA appropriateness method to identify the overuse and underuse of coronary revascularization and hysterectomy. *Journal of Clinical Epidemiology* 54:1004-1010, 2001.

Service: Since 1998, Dr. Bernstein has extensively applied his expertise to the UMHS. He directed the implementation and evaluation components of GUIDES and is the founder of iCARE (Improving Care with Appropriate, Responsible, Cost-Effective Prescribing). These two programs, together with the out-patient portion of CIDSS, were incorporated into the UMHS Outcomes Management Program, of which he is the Director. Dr. Bernstein is the UM Director of the American Association of Medical Colleges-Chronic Care Collaborative and the BCBS of Michigan Physician Group Incentive Program. He directs the quality component of the CMS Physician Group Practice Demonstration project. He serves on the Medical Management Center Executive Committee, the Ambulatory Formulary Committee, MCARE's Clinical Quality Analysis Team, and the VA's Human Subjects Committee. Dr. Bernstein was selected to be on the Michigan Department of Community Health Drug Utilization Review Board. Regionally, he is on the Diabetes Task force of the Southeastern Michigan Saves Lives, Saves Dollars initiative. Nationally, he has served on the NIH Consensus Panel on Celiac Disease, the ACC/AHA Ambulatory Electrocardiography Guidelines Committee, a special AHCPR review panel; several national VA committees; the membership committee of the Central Society of Clinical Research and is an associate editor of the *American Journal of Managed Care*. Internationally, Dr. Bernstein has served on the Board of Directors of the International Society of Technology Assessment in Health Care and on scientific program committees for the Society's annual meeting.

Professional Work: Dr. Bernstein's clinical activities include supervising one out-patient General Medicine clinic at the Ann Arbor VA (1/2 day/week) and attending on the in-patient service at the VA for one-month each year. He uses these settings to promote his research and service activities focused on quality improvement and providing care for patients with chronic diseases. He interacts with health care providers in other specialties including Family Medicine, Cardiology, Pediatrics, Allergy and Immunology, Endocrinology, Pulmonary Services as well as Diabetes and Respiratory Therapy educators, Nursing Service, Quality Improvement Department through this work on AAMC-CCC, the BCBSM PGIP, and the CMS PGP projects as well as being on the Oversight Committee for the UM Guidelines Development Program.

External Review:

Reviewer A: "Steven has been an important scholar over the past 15 years at an international level in the area of quality of care....I have had the opportunity to work with the leading scholars in health care quality across the world. I would place Steven in the upper second to fifth percentile internationally of quality of care academic leaders based on his scholarly contributions in this field."

Reviewer B: "He, in particular, has made major contributions to how one measures the appropriateness of medical care, and thus, has made it possible for us to use health care resources more wisely. In this area, he has established an international reputation...Through his constant lecturing and mentoring of Europeans, he has literally helped create centers of excellence in health services research and quality of care assessment throughout...Europe."

Reviewer C: "...Steve is a pioneering thinker, a fund of scientific knowledge in his field, an excellent communicator, a thoughtful contributor to interdisciplinary team work, and an enthusiastic, hard-working colleague."

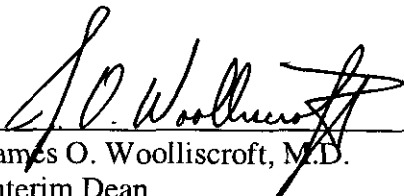
Reviewer D: "...he clearly has an excellent national and international profile with a continued strong track record of scholarly activity....His promotion would recognize his major scientific contributions to date and would be welcomed by the broader scientific community."

Reviewer E: "His research has been clinically relevant, rigorously done and has contributed to the field of health services research....I feel that Steve has accomplished a great deal in the area of health care quality and has made substantial contribution to understanding practice variation and issues in real world quality improvement."

Reviewer F: "His many papers on appropriateness of cardiac and gynecologic procedures in the U.S. and Europe are the bedrock of the field....Steven Bernstein has made important contributions in the areas of appropriateness and quality and would certainly be promoted to full professor at most top tier public universities in the U.S."

Summary of Recommendation:

Dr. Bernstein has an internationally recognized research program focusing on the appropriateness, quality, and utilization of clinical services to improve patient care. He is a great asset to our institution and I enthusiastically recommend him for promotion to Professor of Internal Medicine.


James O. Woolliscroft, M.D.
Interim Dean
Lyle C. Roll Professor of Medicine

May 2007