

PROMOTION RECOMMENDATION
UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF FAMILY MEDICINE

Approved by the Regents
May 20, 2010

Michael S. Klinkman, M.D., associate professor of family medicine, with tenure, Department of Family Medicine, Medical School, is recommended for promotion to professor of family medicine, with tenure, Department of Family Medicine, Medical School [also associate professor of psychiatry, without tenure].

Academic Degrees:

M.S.	1987	Case Western Reserve University
M.D.	1982	University of Michigan
B.S.	1978	University of Michigan

Professional Record:

2001-present	Associate Professor of Psychiatry, University of Michigan
1998-present	Associate Professor of Family Medicine, University of Michigan
1991-1998	Assistant Professor of Family Medicine, University of Michigan
1989-1991	Lecturer, Department of Family Medicine, University of Michigan
1987-1989	Assistant Professor of Family Medicine, Case Western Reserve University
1985-1987	Clinical Instructor, Department of Family Medicine, Case Western Reserve University

Summary of Evaluation:

Teaching: Dr. Klinkman has demonstrated the highest level of quality in all aspects of his teaching responsibilities, with consistently superior evaluations by both medical students and residents for both didactic and clinical teaching. He has a third-year medical student with him in clinic one to two half-days weekly for several months a year, as part of the department's required clerkship, for which he receives evaluations averaging well over 4.0 on a five-point scale, and uniformly positive comments. Evaluations from approximately 62 students since 1998 are also uniformly positive. Of particular note were evaluations of Dr. Klinkman's "*quality of teaching*" and "*ability to serve as role model*," typically rated 5/5 (top score), significantly higher than average for family medicine faculty. Dr. Klinkman makes occasional presentations to family medicine residents for which he has received excellent evaluations, as well as positive subjective comments. His didactic presentations include three department grand rounds lectures between 1998 and 2005, and a grand rounds lecture to the Department of Psychiatry in 2008. Dr. Klinkman received the residents' annual Outstanding Teacher Award twice prior to his promotion to associate professor, but his exposure to resident teaching has declined significantly since then because of his international consultations and travel. This is reflected in his

quantitative ranking for teaching in the bottom quartile for the Department, although quality continues at the highest level as noted above. Dr. Klinkman has compensated for a relatively low volume of direct clinical teaching with substantial mentorship and advising activities, serving as a mentor for three family medicine residents, four junior faculty members or fellows in family medicine and psychiatry, three faculty members at other national academic institutions, and six junior faculty members in other countries, mostly Europe and Scandinavia, who are involved in the WHO/WONCA International Classification Committee work described below. Dr. Klinkman has made 54 major extramural invited presentations since his last promotion, most of which emphasize his research on health outcomes in primary medical care, particularly the complex issues of coding and classification systems in primary care. He has also served as a visiting professor to several United States, Canadian and foreign academic and research institutions. Finally, he was invited by NBC/Healthology, the American Medical Association, and the American Academy of Family Physicians (AAFP) to develop and present innovative web-based courses on primary care depression treatment.

Research: Dr. Klinkman's research career began with challenging the traditional psychiatric paradigm guiding the diagnosis and treatment of mental illness in primary care. This work led to large and continuing projects in Flint, and more recently in Jackson, Michigan, that developed and evaluated integrated approaches to the care of patients with co-morbid psychiatric and medical illness. This local and applied work has led more recently to theoretical and far more influential work in developing innovative approaches to international medical care classification systems that describe, code, measure, evaluate and reimburse primary medical care. His service on the WONCA (the international organization of academic family medicine organizations) International Classification Committee, the AAFP and to the National Center for Vital and Health Statistics has been critical in advancing the field of new primary care classification schema. It is highly likely this work will fundamentally alter the way primary medical care is described and evaluated. Dr. Klinkman's publication record, while reasonable, does not fully capture the importance of this work, nor does his record of grant funding. The most critical work will eventually be captured in an entirely new version of the ICPC (International Classification of Primary Care), and eventually in the ICD (International Classification of Disease). Dr. Klinkman has published 26 peer-reviewed studies, ten book chapters, and four books since his last promotion, mostly describing how his theoretical work on medical care classification influences the design of integrated systems for caring for patients with co-morbid psychiatric and medical disease. His books, particularly the one titled Harmonizing Primary Care Clinical Classification and Data Standards, is possibly his most influential, but least traditional (at least for academic medicine) work. Dr. Klinkman's grant funding includes a wide range of NIH and foundation support for the demonstration projects described above, with a total of nearly \$6,000,000 in grant funding since his last promotion, mostly as a co-principal investigator. This work has positioned Dr. Klinkman to pursue current initiatives from the Agency for Healthcare Research and Quality (AHRQ) and the Office of the National Coordinator of Health Information Technology (ONCHIT), including three specific RFAs from recent Federal legislation to support health information technology (HIT) developments: PAR-08-269: Exploratory and Developmental Grant to Improve Health Care Quality through Health Information Technology, PAR-08-270: Utilizing Health Information Technology to Improve Health Care Delivery, and PA-09-070: Health Services Research Projects.

Recent and Significant Publications:

Aikens JE, Nease DE, Klinkman MS: Explaining patients' beliefs about the necessity and harmfulness of antidepressants. *Ann Fam Med* 6:23-29, 2008.

Klinkman MS: Classifications, terminologies, and their use in primary care health information technology: Towards a primary care data model. In Phillips RL, Klinkman MS, and Green LA, eds: Harmonizing Primary Care Clinical Classification and Data Standards. Robert Graham Center, 2008.

Grazier KL, Klinkman MS: The economics of integrated depression care: The University of Michigan study. *Adm Policy Ment Health Serv Res* 23:25-29, 2006.

Klinkman MS, Coyne JC, Gallo SM, and Schwenk TL: False positives, false negatives, and the validity of the diagnosis of major depression in primary care. *Arch Fam Med* 7(5):451-461, 1998.

Klinkman MS, Okkes I: Mental health problems in primary care: a research agenda. *J Fam Pract* 47(5):379-384, 1998.

Service: Dr. Klinkman sees patients in the Briarwood Family Medicine Center three half-days per week providing comprehensive family care. He specializes in patients with complex mental illness and chronic medical co-morbidity. His productivity is at roughly the departmental mean for visits per hour (2.34), and RVUs per hour (2.91). The medical director of the Briarwood Family Medicine Center states "*He has developed an extremely loyal patient panel with complex medical and psychiatric problems and provides excellent and comprehensive care to them.*" He has served on several national committees, task forces and NIH review groups that take advantage of his substantial HIT expertise, including an NIMH Special Emphasis Panel ZMHi ITV-D, the board of directors of the National Alliance for Primary Care Informatics, the Management Subcommittee of the ASCEND Clinical Trial, the Future of Family Medicine Task Force for the North American Primary Care Research Group (NAPCRG), the Health Information Technology Task Force for AAFP and NAPCRG, as an expert witness on Primary Care Data Standards for the National Committee on Vital and Health Statistics Subcommittee on Populations, the WONCA International Classification Committee (chair), the SNOMED-CT Primary Care Working Group, the WHO International Advisory Group on the Revision of ICD-10 Mental and Behavioral Disorders, and the WHO Task Force (co-chair) on creation of the ICD-11-PHC for mental and behavioral disorders.

External Review:

Reviewer A: "He has delivered almost 100 invited national and international talks, mostly on the topics of mental disorders and classification in primary care, including to the World Health Organization and the World Congress of Family Physicians, and has published over 40 refereed papers, several of which are considered highly influential, in prestigious journals, with highly regarded coauthors. I think the case can be made without controversy that Dr. Klinkman's research and scholarly productivity has been prodigious and of excellent quality."

Reviewer B: "...I know Dr. Klinkman from our joint work on the WHO Advisory Committee for ICD-11...He has made a powerful impact on this committee, where he represents WONCA, the World Organisation of National Colleges and Academies (in primary medical care)."

Reviewer C: "It is apparent that Dr. Klinkman has an international reputation, demonstrated scholarship, ongoing achievement particularly at the interface of information technology and classification/coding in primary care, and a steady, persistent pattern of publication. I was impressed by the blend of public and private funding that has supported his work."

Reviewer D: "...I believe that Dr. Klinkman has attained a national reputation with his scholarship on depression within primary care settings as well as being a superb teacher and educator and family practice physician...He is a true example of the 'triple header' with excellence in research, teaching and clinical care."

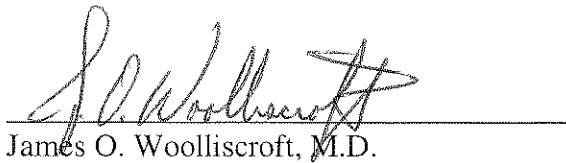
Reviewer E: "Dr. Klinkman is an internationally recognized researcher and family physician in the areas of mental health as well as informatics and classification of diseases in primary care...he's particularly been an expert in the treatment of depression in primary care."

Reviewer F: "...it is clear that Dr. Klinkman is a national and international leader in the diagnosis of mental disorders in primary care and in developing and testing management strategies for these conditions. He has provided leadership in the context of major initiatives in this field: WONCA and WHO classification committees, STAR*D, NAPCRG, Robert Wood Johnson Foundation National Program on Depression in Primary care, and others."

Reviewer G: "Dr. Klinkman is one of the top three scholars in primary care and mental health disease classification in the US today. He is among the top 10 in primary care mental health."

Summary of Recommendation:

Dr. Klinkman is an academic family physician of international reputation whose theoretical and methodological work has been influential world-wide in the complex and critical study of the way primary medical care is described, codified, measured, evaluated and reimbursed. This work is reflected in demonstration and evaluation projects of innovative approaches to the care of complex patients with co-morbid psychiatric and medical illness. His influence is leveraged on an international basis through his consultations with national agencies and the WHO. I am pleased to recommend Dr. Michael Klinkman for promotion to professor in the Department of Family Medicine.



James O. Woolliscroft, M.D.

Dean

Lyle C. Roll Professor of Medicine

May 2010