

PROMOTION RECOMMENDATION  
THE UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF PEDIATRICS AND COMMUNICABLE DISEASES

Lisa A. Prosser, Ph.D., associate professor of pediatrics and communicable diseases, with tenure, Department of Pediatrics and Communicable Diseases, Medical School, is recommended for promotion to professor of pediatrics and communicable diseases, with tenure, Department of Pediatrics and Communicable Diseases, Medical School.

Academic Degrees:

Ph.D.	2000	Harvard University (Health Policy)
M.S.	1992	Massachusetts Institute of Technology
B.A.	1998	Cornell University

Professional Record:

2013-present	Associate Professor of Pediatrics and Communicable Diseases, with tenure, University of Michigan
2010-2013	Associate Professor of Pediatrics and Communicable Diseases, without tenure, University of Michigan
2010-present	Research Associate Professor of Health Management and Health Policy, School of Public Health, University of Michigan
2008-2010	Research Associate Professor of Pediatrics and Communicable Diseases, University of Michigan
2008-present	Adjunct Associate Professor of Health Policy and Management, Harvard School of Public Health
2008-2012	Lecturer, Department of Population Medicine, Harvard Medical School
2006-2009	Assistant Professor of Health Policy and Management, Harvard School of Public Health
2001-2009	Assistant Professor of Ambulatory Care & Prevention, Harvard Medical School
2000-2001	Instructor, Department of Ambulatory Care & Prevention, Harvard Medical School

Summary of Evaluation:

Teaching: Dr. Prosser's diverse set of teaching activities reflects her commitment to providing formal training opportunities in health decision sciences and cost-effectiveness analysis as well as to support interdisciplinary research. Her educational contributions include classroom instruction, lectures, seminars, and one-on-one mentoring and advising for graduate students, fellows, and other trainees. Her formal teaching in a classroom setting includes both introductory and advanced topics in decision sciences, cost-effectiveness analysis, and health policy. She has advised students and trainees at all levels from master's students to junior

faculty just entering the fields of decision sciences or cost-effectiveness analysis. She has chaired and participated on doctoral dissertation committees. Her teaching activities also reflect her interest and enthusiasm in mentoring trainees at many different levels who are seeking to enter the field of health decision sciences.

Research: Dr. Prosser is an interdisciplinary health policy researcher who uses decision science and economic evaluation methods to evaluate health and economic outcomes for pediatric health interventions. Her research is practical as well as scholarly, contributing to current policy decisions while also advancing the field of economic evaluation in child health. Over the past 15 years, Dr. Prosser's research on the cost-effectiveness of influenza vaccination has been used by the United States Advisory Committee on Immunization Practices (ACIP) in the development of national recommendations for routine influenza vaccination and H1N1 vaccination. Her research has provided direct guidance to national policy recommendations for vaccination and newborn screening and has developed new methods for performing cost-effectiveness analysis for child health interventions. She leads interdisciplinary research and teaching in decision sciences and cost-effectiveness analysis to support clinical and policy decisions in child health. Her current research focuses on vaccine economics, newborn screening, and the methodology of valuing family spillover effects of illness.

Recent and Significant Publications:

Prosser LA, Lavelle TA, Fiore AE, Bridges CB, Reed C, Jain S, Dunham KM, Meltzer MI: Cost-effectiveness of 2009 pandemic influenza A(H1N1) vaccination in the United States. *PLoS ONE* 6(7):e22308, 2011.

Prosser LA, Payne K, Rusinak D, Shi P, Messonnier M: Using a discrete choice experiment to elicit time trade-off and willingness-to-pay amounts for influenza health-related quality of life at different ages. *PharmacoEconomics* 31:305-315, 2013.

Lavelle T, Weinstein M, Newhouse J, Munir K, Kuhlthau K, Prosser LA. Economic burden of childhood autism spectrum disorders. *J Pediatr* 133:e520-529, 2014.

Prosser LA, Lamarand K, Gebremariam A, Wittenberg E: Measuring family HRQOL spillover effects using direct health utility assessment methods. *Med Decis Making* 35:81-93, 2015.

Zickafoose JS, DeCamp LR, Prosser LA: Parents' preferences for enhanced access in the pediatric medical home: a discrete choice experiment. *JAMA Pediatrics* 169:358-64, 2015.

Service: Dr. Prosser has a strong record of service at the national and institutional levels. At the national level, she has held leadership positions in the professional societies in her field: the Society for Medical Decision Making (SMDM) and the International Society for Pharmacoeconomics and Outcomes Research (ISPOR). She has been a member of the editorial board of *PharmacoEconomics* since 2006 and reviews eight to ten manuscripts per year for top-tier peer-reviewed journals in her field. She has participated on review panels for the NIH, CDC, MCHB, and AHRQ, and currently serves as a member of the Healthcare Effectiveness and Outcomes Research Study Section at AHRQ. At the institutional level, she serves on several Medical School committees that support faculty career development. Creating infrastructure to

support a diverse faculty and student body has been a long-standing commitment of Dr. Prosser. In the Department of Pediatrics, she serves in two leadership roles as the director of Faculty Development and as the interim director of the Child Health Evaluation and Research Unit.

External Reviewers:

Reviewer A: "...Dr. Prosser is internationally renowned and respected for her work at the intersections of cost effectiveness analysis, measurement of health-related quality of life, and Pediatrics. She is an academic star in the field of medical decision making, and I strongly recommend her promotion."

Reviewer B: "I feel she is one of the premiere individuals in the US in terms of measuring the cost-effectiveness (CE) of health interventions....She has a strong number of national presentations to important groups such as ACIP, and PCORI. She has a strong number of national presentations to important groups such as ACIP, about 80+ publications, many in high-profile pediatric and public health and economic journals, and has a strong and sustained track record of externally funded, rigorous research."

Reviewer C: "I would rank her as among the very top researchers addressing the comparative effectiveness and cost-effectiveness of childhood health interventions nationally."

Reviewer D: "Dr. Prosser is a leader in the field of economic evaluation, especially as it applies to child health. Her work clearly advanced the field by coming up with novel methods for valuing health outcomes in children. She also made important contributions in modeling spillover effects in economic evaluation and I suspect her methods will become a big influence on the conduct of economic evaluations in the future. Dr. Prosser received the 2015 International Society for Pharmacoeconomics and Outcomes Research Award for Excellence in Methodology."

Reviewer E: "Not only is Dr. Prosser's work nationally and internationally recognized, she has the rare distinction of having her research translated into practice and policy. As an example, her cost-effectiveness analysis of vaccinating low-risk children against influenza likely influenced the CDC to recommend routine vaccination of that population. Her work is thus both methodologically cutting-edge and policy-relevant."

Reviewer F: "She has become a well established independent investigator and an acknowledged worldwide leader in pediatric health outcomes research, particularly as she seeks to improve newborn screening programs and national vaccine health policy and practices as well as beginning to measure the impact of childhood conditions on families, a relatively unexamined quality of life area prior to her work. As a faculty member, her national and international recognition have contributed to the prominence of the University of Michigan and have provided testimony to the quality of its faculty."

Summary of Recommendation:

Dr. Prosser's record is outstanding in all areas and we are extremely fortunate to have her scientific expertise and professional commitment to our University. I strongly recommend Lisa A. Prosser, Ph.D. for promotion to professor of pediatrics and communicable diseases, with tenure, Department of Pediatrics and Communicable Diseases, Medical School.



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Marschall S. Runge, M.D., Ph.D.  
Executive Vice President for Medical Affairs  
Dean, Medical School

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