



Lisa Prosser, PhD



**Using Decision Modeling to Inform
Newborn Screening Policy Decisions
for Pompe Disease: A Case Study**

**Monday October 9, 2017
4:40PM in 1123 LBME**

The Advisory Committee for Heritable Disorders in Newborns and Children identifies which conditions will be included on the uniform screening panel recommended for all 4 million US newborns. These decisions are made using information from a formal systematic evidence review. This study provides an example of how decision analysis has been incorporated into the evidence review process to provide estimates of the population health impact of newborn screening for nominated conditions.

Dr. Prosser is a Professor and Director of the Child Health Evaluation and Research Center (CHEAR). Her research focuses on measuring the comparative effectiveness and cost-effectiveness of childhood health interventions using methods of decision sciences and economics. Current research topics include evaluating long-term health and economic outcomes for newborn screening programs using simulation modeling, measuring public values for screening programs, and developing new methods for valuing family spillover effects of childhood illness.

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. Her studies using decision science modeling to project long-term health outcomes for proposed newborn screening programs have been used to inform national newborn screening policy decisions. She is currently a member of the evidence review group for the Advisory Committee on Heritable Disorders in Newborns and Children and the ACIP Zoster Working Group.

Dr. Prosser also holds an adjunct faculty appointment at the Harvard School of Public Health.

The seminar series “Providing Better Healthcare through Systems Engineering” is presented by the U-M Center for Healthcare Engineering and Patient Safety (CHEPS): Our mission is to improve the safety and quality of healthcare delivery through a multi-disciplinary, systems-engineering approach.

For additional information and to be added to the weekly e-mail for the series, please contact genekim@umich.edu