



**The O'Brien Institute for Public Health &
the Department of Community Health Sciences present:**

Patient preferences and simulation modeling to improve care of patients and health system performance

Speaker: Dr. Deborah Marshall

**Friday, March 23, 2018 - 12:00 to 12:50 p.m.
G500 - Health Sciences Centre, 3330 Hospital Dr NW**

This presentation will define and describe patient preferences and simulation modeling and the role of these methods to inform clinical decisions to improve outcomes for patients and improve health care performance.

With demonstrated excellence in research with evidence of impact and distinguished scholarly contributions over her tenure as a faculty member in the Department of Community Health Sciences, Dr. Deborah Marshall is the recipient of this year's O'Brien Institute's Research Excellence Award. Dr. Marshall is a Professor in the Cumming School of Medicine, Canada Research Chair in Health Systems and Services Research and the Arthur JE Child Chair in Rheumatology Outcomes Research. She is a member of the O'Brien Institute for Public Health and a co-leader of the O'Brien Health Economics and Health Technology Assessment Group.

Dr. Marshall is an active member of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) as the Past President of the Board of Directors, the Chair of the Dynamic Simulation Modeling Applications in Health Care Delivery Research Task Force and as a member of the Patient Preferences Special Interest Group, and the Optimization Methods Task Force. She is recognized as a research leader in arthritis – she is the co-chair of the Scientific Committee of the Arthritis Alliance of Canada, the national organization for arthritis-related initiatives to identify gaps in knowledge and priority areas for arthritis research nationally.

Her research assesses the value of health care interventions through measurement of patient preferences, cost-effectiveness analysis, and simulation modeling of health care delivery systems. Her foundational research evaluated an evidence-based integrated care path for hip and knee replacement to treat Albertans with osteoarthritis (OA) which improved access to surgery using standardized measurements, patient function and quality of life. Dr. Marshall is the co-lead of the Economics platform for UCAN CANDU (Canada-Netherlands Personalized Medicine Network in Childhood Arthritis and Rheumatic Disease funded by the CIHR Personalized Medicine in Inflammation Network) and UCAN CURE (Precision Decisions in Childhood Arthritis).

Objectives:

1. Define and describe patient preferences and their applications in clinical practice, health care delivery and regulatory decisions
2. Describe how simulation modeling can be used to estimate the impact of changes in models of care on the performance of the health care system
3. To illustrate how simulation modeling and patient preferences can be used to inform care that is patient centered, improve quality of care and health system performance

This event is a self-approved group learning activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada. This seminar is also available via an online AdobeConnect session: To attend the seminar from another location via your computer, click on this link:
<https://connectmeeting.ucalgary.ca/oiph-mar23-18/>

Enter as a guest. You may join the session at any time. It is advisable to test your audio before the seminar starts.