
Speaker: Dr. Sandra Dunn

Sandy is currently the Knowledge Translation Specialist for the Better Outcomes Registry & Network (BORN Ontario). As a member of the Data Analysis Reporting Team at BORN she has been involved in the development and implementation of the Maternal Newborn Dashboard and other standard clinical reports available in the BORN Information System designed to facilitate use of the data for quality improvement. Sandy and Dr. Mark Walker (Co-Principal Investigators) were awarded a CIHR Operating Grant and an HSRF Capacity Award from the MOHLTC to evaluate the use of the MND across Ontario.



Sandy earned her Bachelor of Nursing Science degree from Queens University, and her Masters of Education, Masters of Nursing, and her Doctorate in Nursing from the University of Ottawa. She has academic appointments at the University of Ottawa and Queen's University in Kingston. She has published on a number of topics including: use of clinical practice guidelines, interprofessional shared decision making, decision coaching, data quality assessment, clinical dashboard development, and use of audit and feedback for quality improvement.

Presentation Title: Driving Quality in Maternal Newborn Care - Effect of Implementation of the Maternal Newborn Dashboard in Ontario

The Better Outcomes Registry & Network (BORN Ontario) developed and manages an advanced database that provides province-wide, comprehensive information on maternal and child care for the primary purposes of facilitating care to the individual and promoting quality improvement. Wide variation in maternal newborn care practices and outcomes exist across Ontario hospitals indicating room for improvement. To help institutions and care providers learn more about their own performance and quality of care issues, BORN Ontario launched an audit and feedback system in 2012 called the Maternal Newborn Dashboard (MND) in all hospitals providing maternal newborn care.

The MND provides: 1) near real-time feedback, with site-specific and peer comparison data about six key performance indicators (KPIs); 2) a visual display (signal) of evidence-practice gaps related to the KPIs; and 3) benchmarks to provide direction for practice change. BORN received funding to evaluate the effectiveness of the MND to improve practice related to the selected KPIs. A mixed methods study was completed including an interrupted time series analysis of rate changes, a provincial survey of maternal newborn hospitals, and site visits to a selected sample of hospitals for case study comparison. An overview of results will be presented.

Objectives

1. Describe key performance indicator (KPI) trends pre and post implementation of the Maternal Newborn Dashboard.
2. Discuss the key factors that influence use of the Maternal Newborn Dashboard and are most predictive of practice change.
3. Outline the key strategies used to achieve improvements in performance and quality of care related to the Maternal Newborn Dashboard KPIs in different maternal newborn practice settings in Ontario.