

Title: Enabling rapid-learning health systems through best practice guideline development, implementation and evaluation

Aims and objectives of the session: The aim of this workshop is to advance rapid learning environments through the use of best practice guidelines. Using as a case study the Registered Nurses' Association of Ontario's (RNAO) best practice guideline program, participants will deepen their understanding of how such a program is used for rapid learning and continuous quality improvement within organizations and health systems. The workshop will engage participants in the development and implementation of guidelines, as well as evaluating their performance using guideline-based quality indicators – leveraging these as rapid learning tools. Specifically, the main objectives of this workshop are to:

- Enhance knowledge of frameworks for implementation of guidelines that lend themselves to rapid learning, such as coaching teams, audit and feedback report reviews and more.
- Develop and/or select appropriate guideline-based quality indicators to monitor and evaluate new knowledge use that leads to continuous quality improvement.
- Enhance abilities in interpreting and evaluating process and outcome data arising from evidence-based practice changes to motivate and provoke continuous learning.

Description of how the course relates to GIN's mission and conference theme: This workshop addresses key methods for making health choices transparent and efficient—this includes the application of evidence-based recommendations at the provider, organizational and system level, and in-time feedback to inform decision-making, rapid learning and continuous quality improvement.

Detailed program and timetable:

Time	Topic	Learning Outcomes
0800 – 0815	Introduction: facilitators and participants	
0815 – 0845	Session 1.0: Overview of RNAO's Best Practice Guidelines Program: guideline development, implementation & evaluation	<ul style="list-style-type: none"> • Describe the methods and processes used for guideline development at RNAO • Identify strategies used by RNAO to support guideline implementation and evaluation at the individual, organizational and system level • Understand the scope of the BPG work at the provincial, national and international level

0845 – 0915	<p>Session 2.0: Introduction to frameworks for implementing and evaluating evidence-based practices</p> <p>Group Activity: facilitated discussion on monitoring and evaluating knowledge use and outcomes</p>	<ul style="list-style-type: none"> • Understand the components of the Knowledge to Action Framework in the RNAO Leading Change Toolkit and interrelationships among components • Describe the importance of the social movement action framework and be inspired to facilitate change • Describe approaches to monitor the adoption of new knowledge and the outcomes resulting from evidence-based practices and leverage these to advance rapid learning
0915 – 1000	<p>Session 3.0: Evidence-based indicator development</p> <p>Group Activity: Interpreting and selecting indicators for use</p>	<ul style="list-style-type: none"> • Advance knowledge on the linkage between best practice guideline recommendations and quality indicators • Engage in developing, selecting and interpreting, indicators for monitoring and evaluating evidence-based practice changes
1000 – 1015	Break	
1015 – 1145	<p>Session 4.0: Interpreting indicator data to drive practice changes</p> <p>Small & Large Group Activity: Leveraging data to support rapid learning and quality improvement</p>	<ul style="list-style-type: none"> • Engage in interpreting guideline-based quality indicator data to enhance guideline implementation and advance continuous quality improvement • Describe various methods of analyzing and interpreting guideline-base quality indicator data • Discuss opportunities to improve data collection and reporting processes for quality improvement and evaluation
11:45 – 12:00	Final questions and wrap-up	

Names and biography of key facilitators:

Doris Grinspun, RN, MSN, PhD, LLD (hon), Dr (hc), FAAN, O. ONT.

Dr. Doris Grinspun is the CEO of the Ontario Registered Nurses' Association of Ontario (RNAO), the professional association representing registered nurses, nurse practitioners and nursing students in the province of Ontario. Dr. Grinspun assumed this position in April 1996 after serving for six years as Director of Nursing at Mount Sinai Hospital in Toronto. She has also worked in practice and administrative capacities in Israel and the United States. Throughout her career, Dr. Grinspun has received numerous professional and academic awards. For more than two decades, Dr. Grinspun has directed many international programs in Australia, China, Europe, Latin America and Central America. Dr. Grinspun has published and spoken extensively in Canada and abroad. She is an energetic advocate of the Canadian health system and the contribution of registered nurses and nurse practitioners to its success. Her experience is in the areas of health, health care and nursing. She is the founder of the internationally recognized RNAO Best Practice Guidelines Program, and a leading figure in Canadian and international health and nursing policy.

Megan Bamford, RN, BScN, MScN

Megan Bamford is the Associate Director of Guideline Development and Evaluation at RNAO. She is responsible for directing the development of clinical and healthy work environment guidelines in RNAO's internationally recognized Best Practice Guidelines Program. She also leads RNAO's international quality measurement system, Nursing Quality Indicators for Reporting and Evaluation® (NQuIRE®). Megan is a registered nurse who received her nursing degree from Queen's University and Master of Science in Nursing from the University of Western Ontario. Prior to joining RNAO, Megan held various nursing positions in acute and community care. She is an Adjunct Faculty in the School of Nursing at the University of Toronto and has facilitated learning for nursing students at the University of Western Ontario and Fanshawe College. Megan joined RNAO in June 2013 as a nursing research associate. During her tenure at RNAO, Megan has led the development of best practice guidelines, systematic reviews and guideline-based quality indicators; and has been involved with various committees related to evidence-based practice.

Dr. Shanoja Naik,

Shanoja Naik has been the Data Scientist/Statistician at the RNAO since 2017. Over the last fifteen years, she has worked in various roles as a scientist, researcher, manager (data analytics) and statistician/analyst in government, corporate and academic settings. In addition, she held faculty roles at the University of Waterloo and Trent University in Ontario, Canada and Centre for Mathematical Sciences, Kerala, India. In 2010, Naik conferred her doctorate degree in Statistics, from Mahatma Gandhi University, India focused on time series modeling, thesis entitled Pathway Distributions and Autoregressive Modeling. She has several publications focused on various topics within vast specialty areas including survival modeling, credit risk analysis, statistical mechanics, time series modeling, and market research and population studies. In 2008, she was honored by the United Nations for her contribution to Methodological Statistics. Dr. Naik has a Master of Philosophy in Statistics specialized in multivariate analysis and least absolute value deviations; Master of Science in Statistics (thesis: Uniformly Minimum Variance Unbiased Estimation and Applications); Bachelor of Science in Statistics

(top rank); and Bachelors of Education in Mathematics with interest in Adult Education and Psychology from Education and Training Department, University of Kerala, India.

Stephanie Voong, RN, MSHI

Stephanie Voong is the Quality Improvement Specialist at the RNAO. In this role, she leads the investigation and resolution of data quality issues and contributes to ensuring that reports submitted to NQuIRE® system is high quality information. Stephanie holds a Bachelor Science of Nursing from Ryerson University and a Master of Health Informatics from the University of Toronto and continues to practice as a Registered Nurse at St. Michael's Hospital. She received a quality improvement certificate with the Institute for Healthcare Improvement Open School and was the team lead for a de-prescribing quality improvement initiative at Michael Garron Hospital. She also worked as a delivery consultant at ThoughtWire Corp., providing clinical expertise in the design effort and analysis of various smart hospital applications.

Targeted participants (type and size): Guideline developers interested in implementation and evaluation of evidence-based practices, clinicians, educators, quality improvement leads, and administrators.

Type of resources requested (material, rooms, and internet):

- Projector and screen
- Electrical cords and outlets (for laptops)
- Round tables of 8-10 chairs (that can be removed)
- Flip charts and markers (3 or 4)

Proposed advertising/marketing by the facilitators: RNAO will advertise this workshop by social media (twitter and Facebook), listservs and newsletters to:

- over 929 Best Practice Spotlight Organizations (BPSO) sites worldwide and;
- over 43,000 members

Anticipated travel costs: None

Contact information:

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