

NQuIRE Communiqué #3

Update for all BPSOs®

August 2013

This is the third in a series of communiqués that will be distributed to all RNAO Best Practice Spotlight Organizations® (BPSO®), to provide information about Nursing Quality Indicators for Reporting and Evaluation® (NQuIRE®) and the milestones that are applicable to each cohort.

NQuIRE UPDATE OVERVIEW

RNAO is pleased to announce that the fully operational NQuIRE site is now providing reports to BPSO organizations that are submitting data. The full collaboration among the RNAO Best Practice Guideline (BPG) staff led by Dr. Monique Lloyd, Associate Director for Guideline Development, Research and Evaluation; RNAO Information Management and Technology staff led by Louis Charles Lavallée, Director of Information Management and Technology; and BPSOs in all cohorts has made this possible.

Training for the web entry system has been completed with all BPSO leads in Canada and abroad. On-site audits have been hosted by our BPSOs in Australia and Colombia. All BPSO sponsors and leads have received the *Database Agreement* and an invitation to enroll in the online system where they can access the site and related resources, including the NQuIRE user manual, indicator data dictionaries, and data submission forms.

Currently, BPSOs are in various stages of engagement with NQuIRE, from enrolling their organizations online, to registering BPG implementation sites and submitting data for 2013. BPSOs that have submitted data have received internal reports for baseline 2012 data, and post-implementation data for Quarter 3 2012, Quarter 4 2012 and Quarter 1 2013 data. BPSOs are continuing to integrate NQuIRE with their BPG implementation and evaluation plans and activities.

RNAO's NQuIRE International Advisory Committee (IAC), chaired by Dr. Judith Shamian and sponsored by Dr. Doris Grinspun, RNAO's CEO, continues to maximize the impact of this leading edge work. The IAC provides advice on technical, evaluation, system policy, and research implications of NQuIRE. The first inaugural meeting took place during February 2013, and the IAC will meet again in October 2013 and early Spring 2014 to continue providing substantive recommendations for the NQuIRE system.

NQuIRE SPECIFIC PROCESSES AND RESOURCES UPDATE

THE NQuIRE WEB ENTRY SITE

The NQuIRE web entry site is currently being used by BPSOs for enrolment, site registration, and data collection. The NQuIRE technical user manual is available for download on the home page of the NQuIRE site at <https://nquire.rnao.ca/>. Enhancements are being made to the system in response to BPSO feedback. Examples include:

- BPSO Lead users are now able to submit data on behalf of their implementation sites from the Lead account
- BPSO Leads have access to an indicator data inventory
- The registration process was streamlined to provide BPSO Leads the ability to create implementation site user accounts without using the invitation process

Future enhancements to the NQuIRE System include:

- A data import method to allow BPSOs to submit data by directly uploading data files
- Auto report generation and user-queried reports

BPSO ENROLMENT IN NQuIRE

The BPSO leads are currently in various stages of finalizing indicator selections and inviting their BPG implementation sites to complete online registration and data entry. BPSOs have received the *Database Agreement*, and orientation was provided to the BPSO cohort 1, 2, and 3 during May 2013. Of these BPSOs many organizations are in the indicator selection process and enrolling their implementation sites.

NQuIRE DATA SUBMISSION AND REPORTS

NQuIRE indicator data is collected at the level of the BPG implementation site. BPG implementation sites are considered the individual units, programs, teams, clinics, or services within the BPSO where the BPG is being implemented. BPSOs that submitted data for baseline 2012 data, post-implementation data for Quarter 3 & 4 2012, and Quarter 1 2013, have received internal reports. Implementation sites from BPSO organizations are currently submitting structural indicator data and BPG clinical process and outcome data collected from the second quarter in 2013, where possible.

NURSING ORDER SETS OVERVIEW AND UPDATE

NQuIRE captures structure, process and outcome indicators for most commonly utilized BPGs. The process indicators are embedded in nursing order sets. RNAO's nursing order sets translate the BPG's practice recommendations into actionable nursing intervention statements that can easily be integrated within a clinical information system to promote nurses' sustained use of the best available evidence.

The integration of RNAO's vendor-neutral nursing order sets within a BPSO's clinical information system also provides a mechanism to electronically capture the process indicators required for NQuIRE. Process indicators evaluate the extent to which the BPGs' practice recommendations have been implemented. Nursing order sets provide a record of the interventions that were implemented for a client; thereby, facilitating the reporting of process indicators to NQuIRE. Nursing order sets also simplify the requirement to link process indicators to specific client outcome indicators to determine the impact of BPG implementation on specific client health outcomes.

Nursing order sets give greater visibility, consistency and quality to nursing practice and are an important component of the interprofessional care plan. They complement medical order sets, helping to promote evidence-based practice of nurses throughout all phases of the care continuum.

A key component of the RNAO nursing order sets is the coding of each intervention to the International Classification for Nursing Practice (ICNP[®]). The ICNP is a unifying nursing language developed by the International Council of Nurses (ICN) to describe nursing practice. Use of a standardized language allows comparison of interventions and outcomes across client populations, health-care settings and geographical regions.

In March 2013, the RNAO became an ICN-accredited ICNP Research and Development Centre—one of only eleven such Centres worldwide. This prestigious designation recognizes RNAO's contribution to the expansion of the ICNP terminology codes through an ongoing partnership with ICN. By collaborating with ICN to code each evidence-based intervention within the nursing order sets to ICNP, it allows nurses in, for example, Canada, US, Australia, Colombia, Chile, or Spain who use these order sets to record the care they provide in a consistent manner. Ultimately, this will help patients, clinicians, administrators, educators, researchers and policy-makers to better understand the impact of RNAO's BPGs on health outcomes at the individual, organization and system levels.

WHO IS USING RNAO'S NURSING ORDER SETS?

The North West Local Health Integration Network has signed an agreement for 12 hospitals to implement a variety of nursing order sets using EntryPoint®. This web-based application provided by PatientOrderSets.com will allow nurses to access the nursing order sets on a workstation or mobile tablet (such as an iPad). Funding for this initiative was provided by the Small, Rural, and Northern Hospitals Transformation Fund, made available by the Ontario Ministry of Health and Long-Term Care.

The Ontario Ministry of Health and Long-Term Care has also funded a 1-year pilot project for two health-care facilities in primary care to integrate the smoking cessation nursing order set within their practice using EntryPoint. The implementation sites are the Ingersoll Nurse-Practitioner Led Clinic and the Barrie and Community Family Health Team.

Bayshore Home Health has also signed a 1-year agreement to pilot the nursing order sets within their organization. PatientOrderSets.com will provide technical support to Bayshore to integrate the nursing order sets within their existing IT infrastructure.

Finally, the newest addition to the growing list of organizations implementing the nursing order sets is Chappleau Health Services in North Eastern Ontario.

Health-care organizations across the spectrum of care will derive many benefits from implementing these RNAO's Nursing OrderSets to support nursing practice for an individual client, family and/or community. A list of the available nursing order sets is provided in Appendix B.

NEXT STEPS AND TIMELINES THAT BPSO® s SHOULD BE AWARE OF

Date	NQuIRE Activities:
August 15 2013	All BPSOs submit data to NQuIRE for 2 nd Quarter in 2013
November 1 2013	All BPSOs receive internal reports for 2 nd Quarter
October 7 2013	International Advisory Committee meeting
November 15 2013	All BPSOs submit data to NQuIRE for 3 rd Quarter in 2013
January 2 2014	All BPSOs receive internal reports for 3 rd Quarter

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Appendix A
Available Clinical Best Practice Guideline (BPG) Indicator Data Dictionaries*

- Assessment and Management of Foot Ulcers
- Assessment and Management of Pain
- Assessment and Management of Stage I–IV Pressure Ulcers
- Breastfeeding Best Practice Guidelines for Nurses
- Client-Centred Care
- Decision Support for Chronic Kidney Disease
- Nursing Management of Hypertension
- Risk Assessment and Prevention of Pressure Ulcers
- Stroke Assessment
- Ostomy Care
- Prevention of Falls
- Reducing Foot Complications
- Screening for Delirium, Dementia and Depression
- Self-Management in Chronic Conditions
- Smoking Cessation

* Data dictionary for structural indicators is also available



Appendix B
Nursing Order Sets Currently Available

Breastfeeding

- Breastfeeding Support For In-Hospital Postpartum Care Nursing Order Set
- Breastfeeding Support For Population-Based Health Promotion Nursing Order Set
- Breastfeeding Support For Postpartum Care, At-Home Delivery Nursing Order Set
- Breastfeeding Support For Postpartum Care, Post Hospital Discharge Nursing Order Set
- Breastfeeding Support For Prenatal Care Nursing Order Set

Chronic Conditions

- Strategies to Support Self-Management in Chronic Conditions Nursing Order Set

Client Centred Care

- Client Centered Care Nursing Order Set

Delirium

- Screening for Delirium, Dementia and Depression in Older Adults Nursing Order Set

Diabetes: Foot Complications

- Assessment and Management of Foot Ulcers for People with Diabetes Nursing Order Set
- Reducing Foot Complications for People with Diabetes Nursing Order Set

Falls and Fall Injuries

- Multi-Factoral Fall Prevention Program Nursing Order Set
- Prevention of Falls and Fall Injuries in the Older Adult Nursing Order Set

Hypertension

- Management of Hypertension Nursing Order Set
- Targeted Hypertension Management Program Nursing Order Set

Kidney Disease

- Decision Support for Adults Living with Chronic Kidney Disease Nursing Order Set

Ostomy Care and Management

- Ostomy Care and Management Nursing Order Set Pre-operative Phase
- Ostomy Care and Management Nursing Order Set Post-operative Phase

Pain

- Assessment and Management of Pain Nursing Order Set

Smoking Cessation

- Smoking Cessation Nursing Order Set (Intensive Smoking Cessation Interventions, Duration: 10 + Minutes)
- Smoking Cessation Nursing Order Set (Minimal Smoking Cessation Intervention, Duration: 1 - 3 Minutes)

Stroke

- Assessment of Patients With Acute Stroke/TIA (Hospital in-Patients) Nursing Order Set
- Assessment of Patients with Acute Stroke/TIA (Emergency Department) Nursing Order Set
- Assessment of Stroke Patients Receiving Acute Thrombolytic Therapy (r-tPA) Nursing Order Set
- Risk Assessment for Secondary Prevention of Stroke Nursing Order Set

Wound Management

- Assessment and Management of Stage I to IV Pressure Ulcers Nursing Order Set
- Multi-Factoral Pressure Ulcer Prevention Program Nursing Order Set
- Risk Assessment and Prevention of Pressure Ulcers Nursing Order Set

