

INTERNATIONAL AFFAIRS & BEST PRACTICE GUIDELINES CENTRE

ia **BPG** INTERNATIONAL
AFFAIRS & BEST PRACTICE
GUIDELINES CENTRE

**NQUIRE:
CAPTURING THE CONTRIBUTION OF NURSING
TO QUALITY HEALTH OUTCOMES**

NLN Annual Conference

Nursing Quality Indicators for Reporting & Evaluation

NQUIRE

NQUIRE VISION

Improved quality health care through use of **nurse-sensitive indicators** and related data, based on implementation of **RNAO Best Practice Guidelines**, to impact practice, management and policy decisions, education and health system research

The National Nursing Quality Agenda

C-HOBIC*

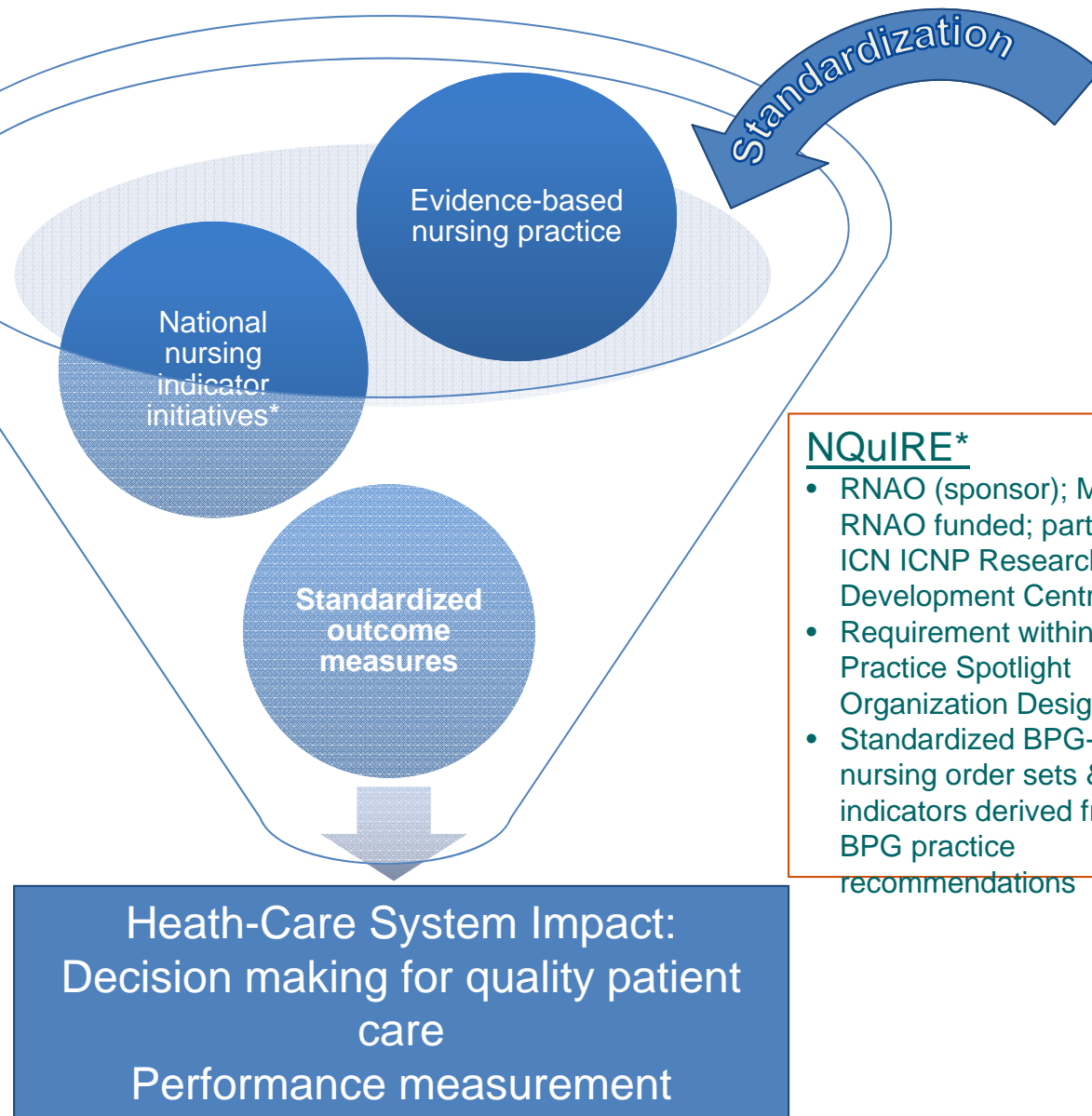
- CNA (sponsor); Canada Health Infoway funded
- Electronic collection of standardized questions into admission and discharge assessments
- Standardized evidence-based clinical outcomes
- A Canada Approved Standard

NNQR-C*

- CNA & Academy of Canadian Executive Nurses (ACEN) (sponsors); Canada Health Infoway & Office of Nursing Policy funded
- Minimum data set of nursing-sensitive indicators
- Developing a National Nursing Quality Report
- Standardized data on nursing and organizational performance

NQuIRE*

- RNAO (sponsor); MoHLTC & RNAO funded; part of RNAO ICN ICNP Research & Development Centre
- Requirement within the Best Practice Spotlight Organization Designation
- Standardized BPG-based nursing order sets & quality indicators derived from RNAO BPG practice recommendations



NQUIRE Key Features of NQUIRE

- **A database of quality indicators**
 - from practice recommendations within RNAO's clinical BPGs (guidelines)
 - reflecting structure, process and outcomes of care arising from BPG implementation
 - collected in Best Practice Spotlight Organizations[®]
- **Collection, analysis and reporting of comparative indicator data**
- **To evaluate outcomes of BPG implementation**

NQUIRE OBJECTIVES

- To **articulate the contribution** of evidence-based nursing practice on outcomes
- To **utilize outcome data** to optimize nursing practice
- To enhance **BPSO capacity to influence quality** and patient safety agendas
- To standardize the monitoring and **evaluation of RNAO Best Practice Guideline implementation**

INTERNATIONAL AFFAIRS & BEST PRACTICE GUIDELINES PROGRAM COMPONENTS



NQuIRE Within the RNAO IaBPG Centre

NQUIRE UNIQUE OPPORTUNITIES

- **Multinational data**
- **Multi-sector data**
- **Guideline-based quality indicators**
- **Within Best Practice Spotlight Organizations[®] (user-centred environment)**

Best Practice Spotlight Organizations[®]



NQUIRE COMMON BPSO[®] QUESTIONS

- What do we want / need to improve?
- What are our targets?
- Are we making progress?
- How do we compare?
- Are we sustaining improvement?

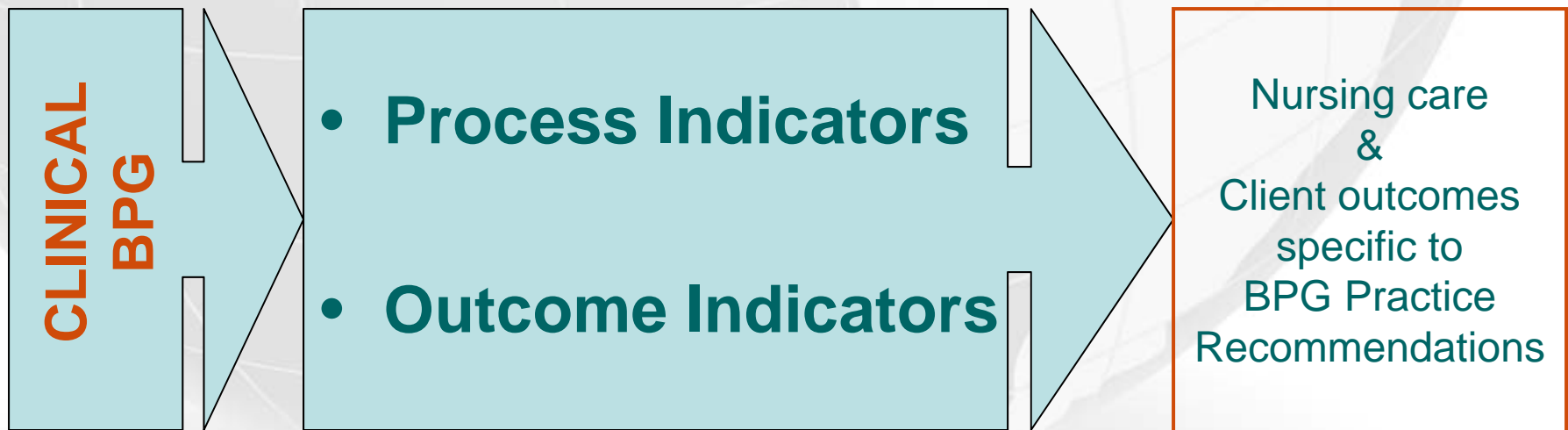
Guideline-Based Quality Indicator Measurement

NQuIRE
indicators
derive from the
practice
recommenda
tions in RNAO's
Best Practice
Guidelines



NQuIRE Indicators

- **Structure Indicators**



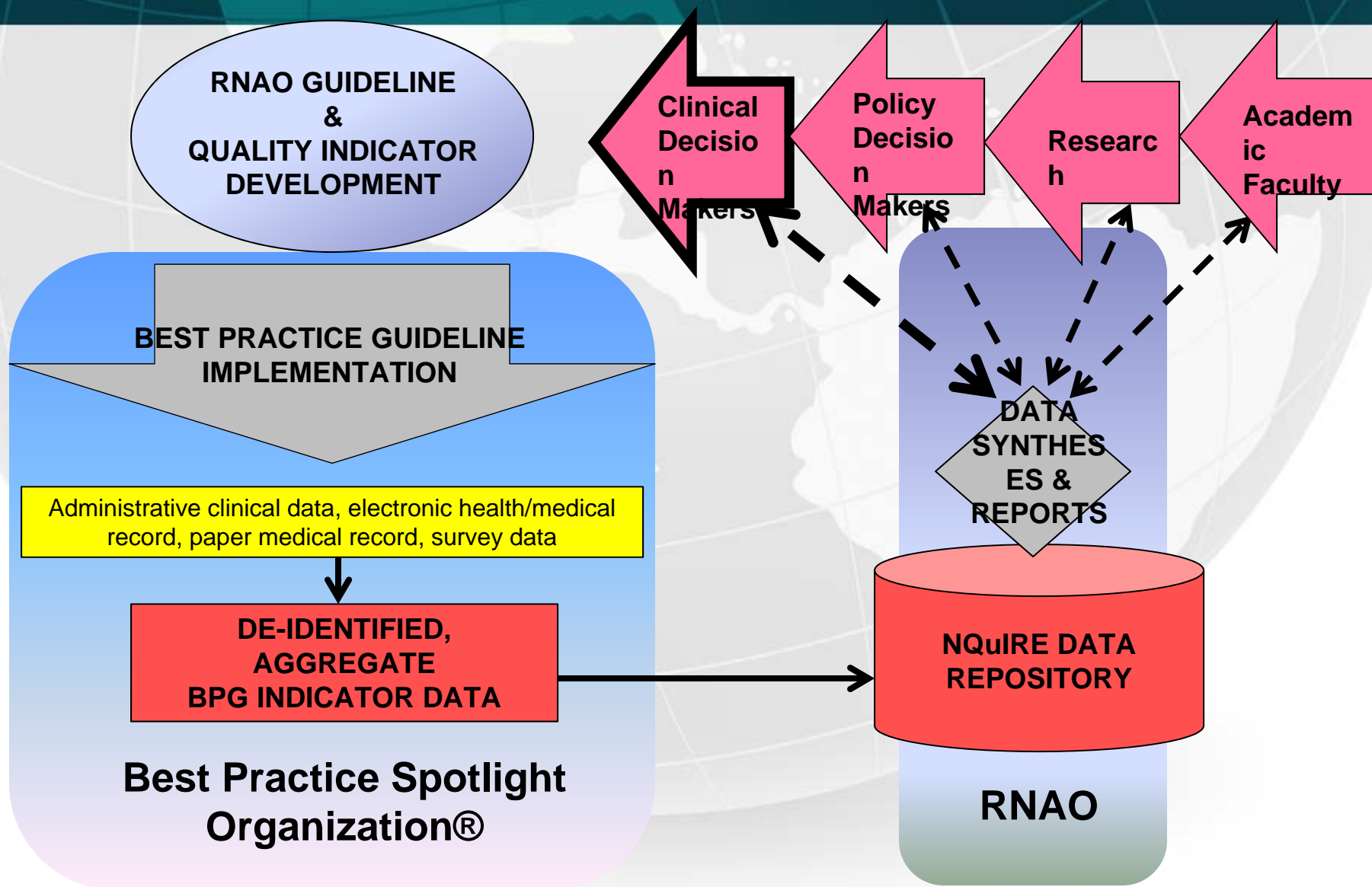
NQUIRE STRUCTURE INDICATORS

- Intensity
- Skill mix
- Absenteeism
- Voluntary turnover
- Educational preparation
- Model of care delivery

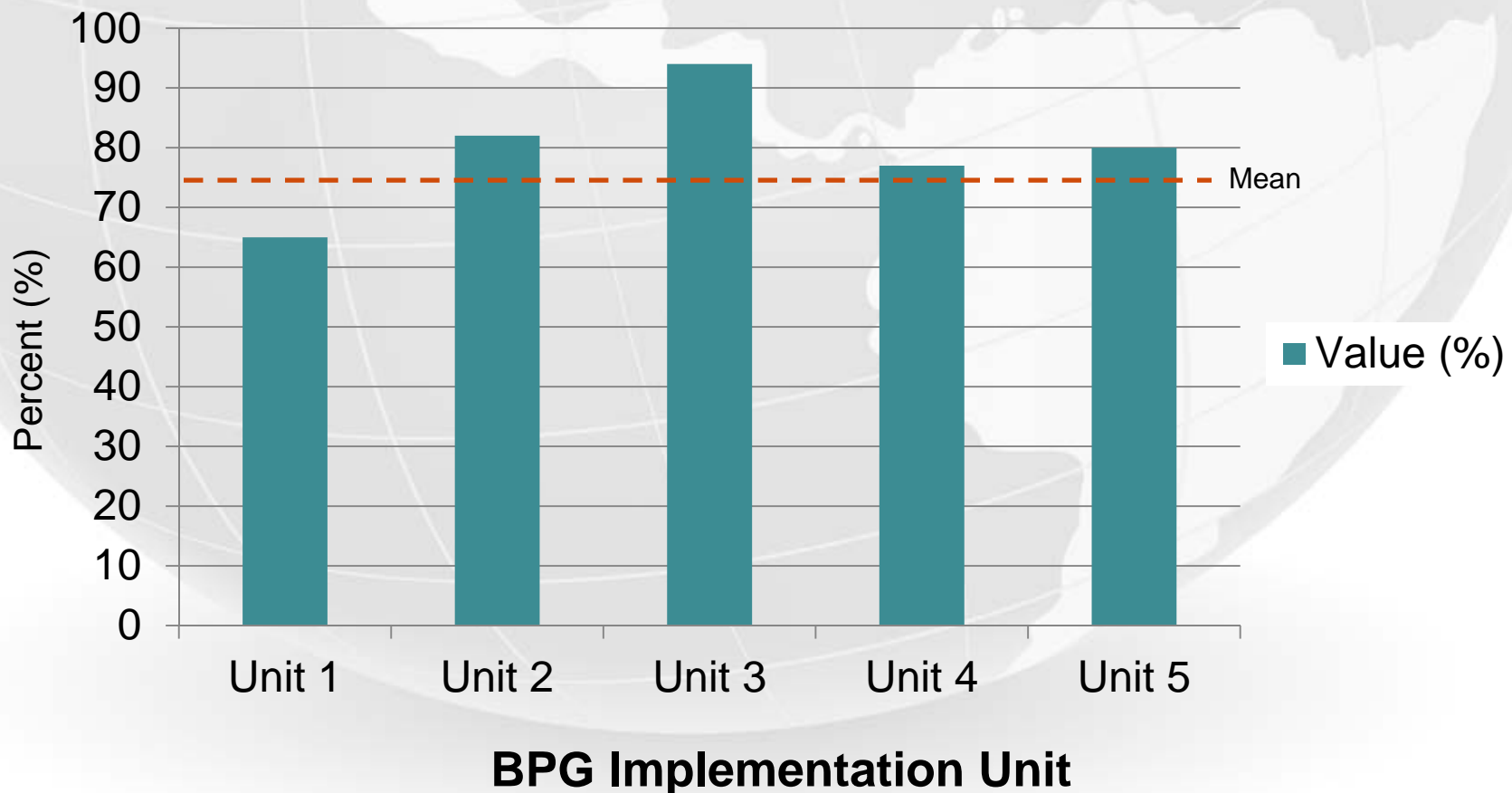
NQUIRE

PROCESS & OUTCOMES (by BPG)

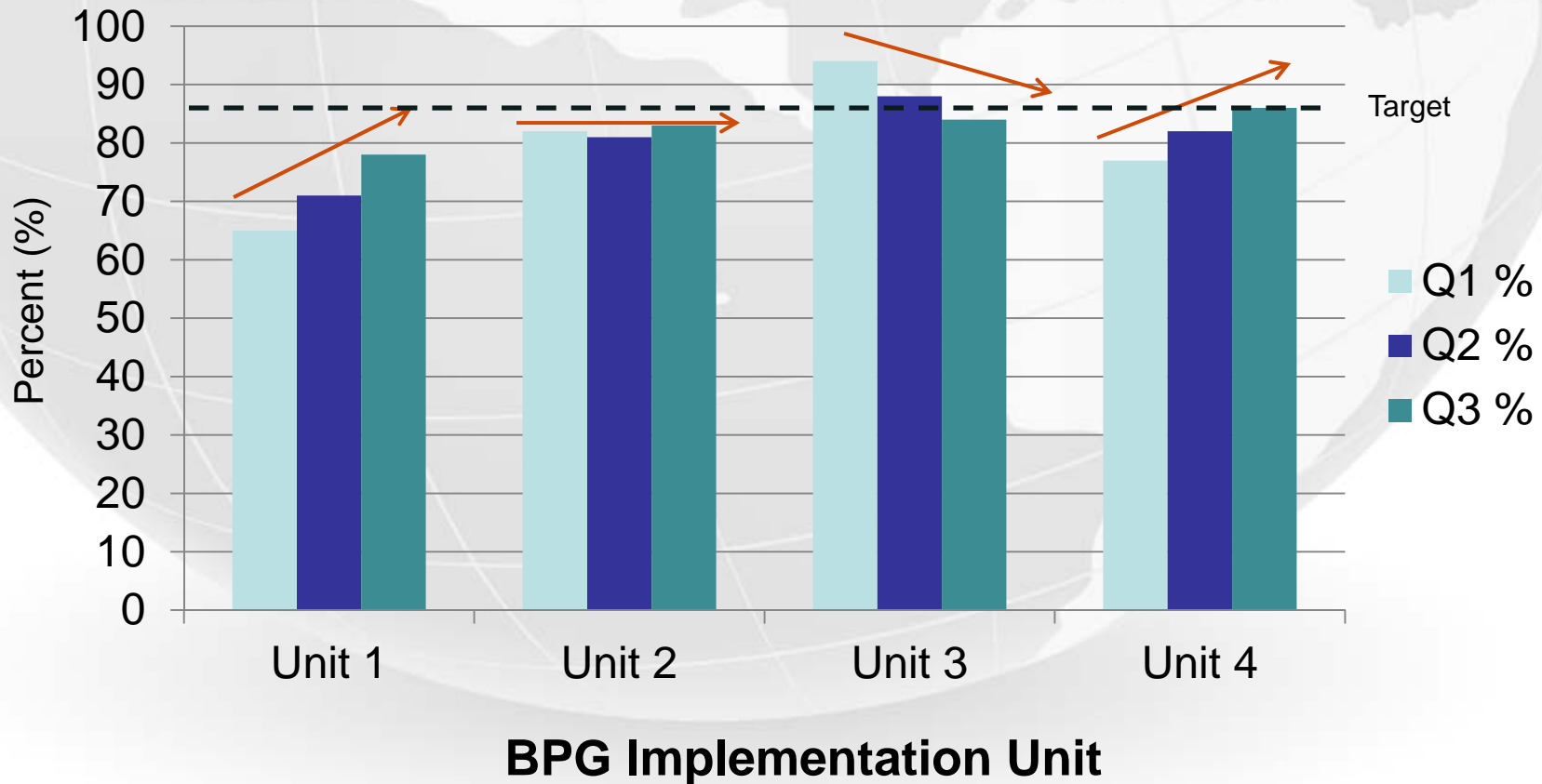
- Falls (4/2)
- Risk Assessment of Pressure Ulcers (3/1)
- Stroke (4/2)
- Pain (3/4)
- Breastfeeding (3/5)
- Foot Ulcers (3/2)
- Ostomy (5/4)
- Client Centred Care (2/3)
- Smoking (4/5)
- Stage I to IV Pressure Ulcers (2/5)
- Foot Complications (3/1)
- Self-Management (5/4)
- Hypertension (8/1)
- Delirium, dementia & depression (4/1)



DATA: Comparative Indicator Reports



DATA: Trends (% Change over Time)



The logo for NQUIRE features the word 'NQUIRE' in a white, uppercase, sans-serif font, with the letter 'N' in a bold, orange font. The text is set against a dark teal rectangular background.

Data Used For...

- **Quality improvement**
- Oversight, monitoring and external **reporting requirements**
- **Information management** and technology
- Quality of **practice environment** and work life
- **Recruitment and retention**
- Staff **education** and continuing professional development
- **Research**

INFORMATION DISSEMINATION & APPLICATION



Speaking out for nursing. Speaking out for health.

NQUIRE Principles for Success & Sustainability

- **Engage nurses** in the process of quality improvement
- **Facilitate data collection** of process indicators and nursing-sensitive outcomes
- Support **data integration** into clinical information systems



**Nursing
Order Sets**

Nursing Order Set

”A group of evidence-based interventions that are specific to the domain of nursing; it is ordered independently by nurses (i.e. without MD signature) to standardize the care provided for a specific clinical condition (e.g. pressure ulcers).”

Evidence-Based Nursing Interventions

Prevention of Falls/Injuries Practice Recommendations	Prevention of Falls/Injuries Subset of Nursing Order Set
<p>2.0: Nurses, as part of the interprofessional team, implement multi-factorial fall prevention interventions to prevent future falls.</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Assess balance before transfer/ambulation <input type="checkbox"/> Transfer and ambulate with assistance <input type="checkbox"/> Promote use of slip resistant footwear <input type="checkbox"/> Orient to environment on admission <input type="checkbox"/> Maintain bed in low position
<p>2.4: Nurses provide clients with information on the benefits of vitamin D supplementation in relation to reducing fall risk... [and] dietary, life style, and treatment choice for the prevention of osteoporosis...</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Teach About Vitamin D supplementation <input type="checkbox"/> Teach About Osteoporosis prevention

Linking Order Sets & NQuIRE Indicators

Prevention of Falls and Fall Injuries in the Older Adult Nursing Order Set	PR#
See Associated Document for Practice Recommendations (PR) The interventions displayed in bold font are supported by the strongest evidence	
Assessment	
<input type="checkbox"/> Assess fall risk on admission	1.0
<small>Associated Documents: Risk Factors and Associated Tools of Falling and Fall Risk Assessment Tools</small>	
<input type="checkbox"/> Assess fall risk after a fall or change in medical status	1.1
<small>Associated Document: Post-Fall Assessment Procedures</small>	1.1
<input type="checkbox"/> Assess medication profile on admission to reduce fall risk	2.2
Planning	
<input type="checkbox"/> Collaborate with interprofessional team to develop plan of care with targeted, multifactorial interventions to prevent/reduce fall risk and fall injuries	2.0
Implementation	
<input type="checkbox"/> Implement Targeted Multifactorial Fall Prevention Program	2.0

PROCESS INDICATORS:

- 1) % of clients assessed for fall risk on admission
- 2) % of clients reassessed following a fall
- 3) % of clients with fall prevention plan

NQUIRE Principles for Success & Sustainability

- **Engage nurses** in the process of quality improvement
- **Facilitate data collection** of process indicators and nursing-sensitive outcomes
- Support **data integration** into clinical information systems
- Promote **transparency and sharing** of data
- **Champion nurses' contribution** to quality improvement

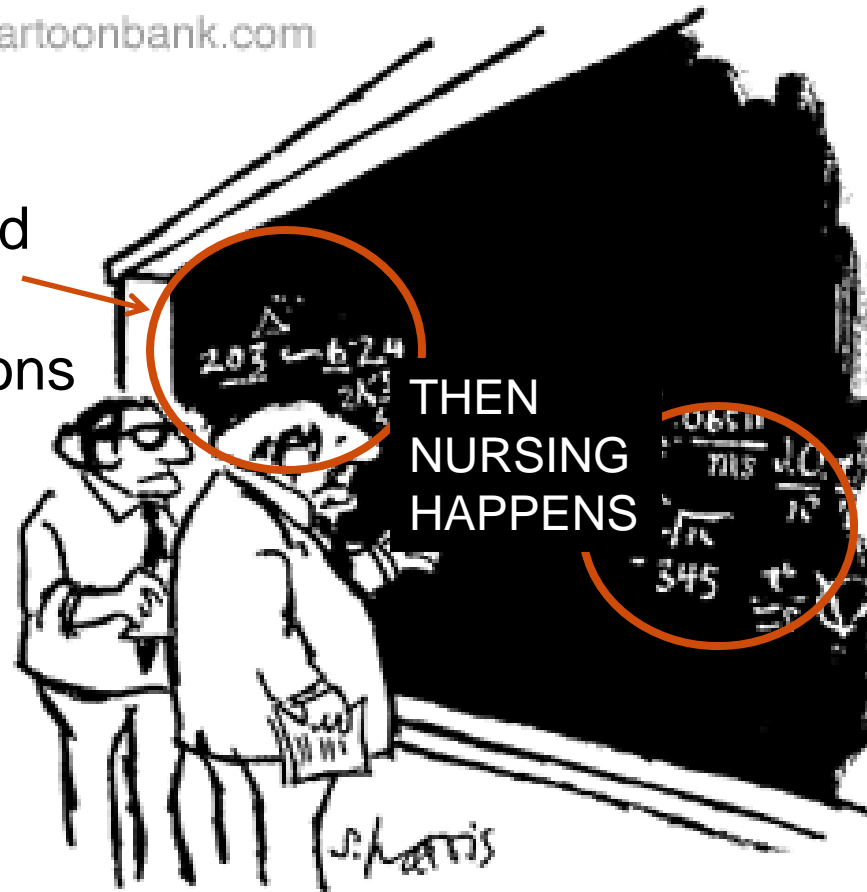
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Goals

- Enhance the research-to-practice translation process
- Inform development and implementation of tools to support quality measurement
 - data tracking, decision support information systems, educational resources
- Disseminate and implement promising practices
- **Demonstrate that nurses make a difference!**

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Evidence-based
practice
recommendations



Health outcomes

"I think you should be more explicit here in step two."

THE LAST WORDs

- **Everyone in health care must recognize that they have two jobs when they come to work each day; doing the work and improving it**
- **If you don't drive the development of metrics for your profession, someone else will and they won't have your insight**

Batalden & Davidoff, 2007



Thank you