

# **Navigating the Data Highway – Optimizing Dissemination of NDNQI Data to Nursing Staff at the Unit Level**

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**Debbie Wickett, BBA, Nursing, Seton Family of Hospitals, Austin, TX**

## **Purpose:**

A consistent finding during unit rounding indicated data was not disseminated to the staff level in a useable format: therefore, a need was identified to develop, implement and disseminate a nursing dashboard that was understood by the direct care nurse at the bedside.

## **Significance:**

Staff needs to be informed of the quality patient outcomes at the unit level and their influence and direct impact on nursing sensitive indicators.

## **Strategy and implementation:**

An innovative three column table was developed to optimize the staff's understanding of the NDNQI nursing sensitive indicators and the national benchmarks.

## **Evaluation:**

The three column report is accessed and analyzed by members of specialty councils, unit staff and clinical managers to track and trend nurse sensitive indicators and staffing effectiveness at the unit level. Unit data are used to identify top performers and areas that may need improvement.

## **Implications for Practice:**

Access to this data provides staff at the unit level opportunity for evidence-based practice/research for the specific nurse sensitive indicators reported in NDNQI. Additionally, staff has the opportunity to look for waste, unit and staff redesign and performance improvement opportunities.

Step One:

Open Seton Intranet Site

Click on Clinical Resources

Click on Nursing Quality

The screenshot shows the Seton Intranet website in a Windows Internet Explorer browser. The address bar shows <http://intranet/>. The page header includes the Seton logo and navigation links: [Web Applications](#), [Clinical Resources](#), [Associate Resources](#), [Forms](#), [Network Resources](#), [Organizational Results](#), [Policies & Procedures](#), and [Publications & Websites](#). A search bar is also present. A dropdown menu is open under 'Clinical Resources', listing various categories: Reference, Clinical Practice, and Department. A red arrow points to 'Nursing Quality' under the Clinical Practice section. The main content area features a 'Symptoms of the Flu' banner, a 'New' section with 'Diabetes Care' and 'Grant Offers', and a 'Use Job in '09?' section. The footer contains copyright information and a 'Local Intranet' link.

insideSETON - Windows Internet Explorer  
http://intranet/

Seton Family of Hospitals | Intranet

Web Applications | **Clinical Resources** | Associate Resources | Forms | Network Resources | Organizational Results | Policies & Procedures | Publications & Websites

Reference  
Abbreviations - Do Not Use  
Abbreviation List  
Apache II Scoring System  
Bereavement Information for Families  
Bioterrorism Reference  
CINAHL  
Clinical Research  
Clinical Web Links  
CME Calendar  
CPR Program  
Frequently Used Protocols and Order Sets  
Hyperbilirubinemia Risk Assessment Tool  
Lab Specimen Requirements  
LactMed  
Medical Library  
Micromedex  
No One Dies Alone  
OptiLink  
Per Se One-Staff  
PICC Requests  
Point of Care Testing  
Pre-printed Physician Orders  
TriMedx Client Web  
WOCN Referrals

Clinical Practice  
Anti-Coagulation Management  
Core Measures  
Healthcare Alliance Safety Partnership (HASP)  
Magnet/Pathway to Excellence  
Nursing Congress  
Nursing Education  
Nursing Specialty Councils  
Nursing Practice  
**Nursing Quality**  
Pain Management  
Patient Care Policies  
Patient/Family Education  
Patient Handling  
Patient Rights and Biomedical Ethics  
Patient Safety  
Primarily for Preceptors  
Perinatal Loss  
Restraint Use  
Safe Sharps  
SKIN/Pressure Ulcers  
Venous Access

Department  
Austin Medical Education Programs  
Brain & Spine  
Cardio Pulmonary  
Case Management  
Clinical Nutrition  
Diabetes Education  
Diagnostics and Therapeutics  
Emergency Medicine  
Emergency Medicine at Dell Children's  
Health Information Management  
Infection Prevention and Control  
Language Services  
Medical Staff Services  
Pharmacy  
Pharmacy - DCMC  
Pharmacy Inpatient Formulary  
Rehabilitation  
SETON Premiere Staffing  
Trauma

Symptoms of the Flu

New  
Diabetes Care  
Grant Offers  
Use Job in '09?

All Souls' Day Memorial Service at Mt. Calvary  
Seton Brain & Spine Institute Joins in "World Stroke Day"  
Seton Bids Goodbye to a Dear Friend

2009 Heart Walk

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Local Intranet 100%

# Step Two

Click on your site  
Click on your unit

**Seton Family of Hospitals Intranet**

Search [ ]

Include Publications

Web Applications | Clinical Resources | Associate Resources | Forms | Network Resources | Organizational Results | Policies & Procedures | Publications & Websites

## Nursing Quality

This site provides data/information for unit level staff on nursing sensitive indicators in the form of quarterly dashboards.

### Tools

- Action Plan
- Agenda Template
- Aim Statement
- Cause and Effect (Fishbone)
- Control Charts
- Flowchart
- Pareto Chart
- Plan-Do-Act-Check
- Quality Management Roadmap
- Quarterly Report Template
- Rapid Testing
- Root Cause Analysis
- Test for Change

### Contact Information

**Debbie Wickett, BBA**  
Program Manager/Nursing Quality, PI and NDNQI Dashboards  
drWickett@seton.org  
512-324-5707

**Linda Vochatzer RN, MSN, CPHQ**  
Nursing Practice Director/Magnet  
lvochatzer@seton.org  
512-324-5709

### PI Sub Committees Chairs & Meeting Dates

PI SUB COMMITTEE	CHAIR	MEETING DATE/TIME
Acute/Post Care	Cathleen Monforte	
Ambulatory	Open	4 <sup>th</sup> Wednesday 1:00-2:30 Teleconference
Behavioral Medicine	Open	4 <sup>th</sup> Friday Noon-1:00 SSC
Critical Care	Tarinder Khatkar	3 <sup>rd</sup> Tuesday 9:00-10:30 SNW 3 <sup>rd</sup> Floor Conference Room B
Emergency	Brenda Barnes	2 <sup>nd</sup> Tuesday 1:00-2:00 SAO Room 157
Pediatrics	Lisa Adams-Sutton	2 <sup>nd</sup> Thursday 10:30-Noon DCMC 3 <sup>rd</sup> Floor Conference Room C
Perinatal Services	Maria Olvera	3 <sup>rd</sup> Wednesday 8:00-10:00 CEC, ABC Classroom lower level
Surgical Services	Dean Butler	4 <sup>th</sup> Tuesday 2:00-4:00 SNW 3 <sup>rd</sup> Floor Conference Room B

### Nursing Quarterly Dashboards

National Database for Nursing Quality Indicators (NDNQI)

National Healthcare Safety Network (NHSN) Background and Key Indicators

Archived Dashboards

**DCMC**  
---- Select a Department ---

**SMCA**  
---- Select a Department ---

**SNW**  
---- Select a Department ---

**UMCB**  
---- Select a Department ---

### Tutorial

### Links

**Intranet Links**

- Magnet/Pathway to Excellence
- Organizational and Development PI
- Patient Safety Fact Sheets

**Web Links**

Institute for Healthcare Improvement

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Enter tags separated by comma [ Save ] What's This

Done

start | Se... | SD... | Mi... | F... | be... | Se... | RE... | F... | Tw... | Tu... | Do... | Nu... | Local intranet | 100% | 10:53 AM

**The first column** contains the purpose of the nursing sensitive indicator, methods used to calculate the rate of the indicator, identifies the national benchmark and hospital goal.

**The middle column** contains questions that prompt the staff to analyze the data that is presented in the third column.

**The three column table** is posted to the Seton Family of Hospitals intranet on the Clinical Resource site as the Nursing Quality Dashboards and is accessible to all staff on all units.

## Patient Falls

### Purpose

The purposes of the patient falls indicator are to:

1. Determine the rate at which patients have a fall.
2. Determine the frequency with which patient falls result in injury.
3. Explore the relationship between nursing assessments performed, interventions used, and falls.

Source - NDNQI

Indicator (s)	Progress / Comments	Data															
<p><u>Fall Rate</u> Number of patient falls X 1000 divided by Patient Days (midnight census)</p> <p><b>Benchmark:</b> NDNQI Magnet Top Performer</p> <p><b>NDNQI Mean:</b> The sum of all values for a given indicator divided by the total number of observations.</p> <p><b>FY 10 Goal:</b> <b>Fall Rate Reduction</b> Threshold 10% = 1.87 Target 20% = 1.67 Outstanding 30% = 1.46</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 35%;">Favorably</th> <th style="width: 35%;">Un-favorably</th> </tr> </thead> <tbody> <tr> <td>How do we compare to NDNQI mean?</td> <td></td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;"> </td> </tr> <tr> <th style="width: 30%;"></th> <th style="width: 35%;">Yes</th> <th style="width: 35%;">No</th> </tr> <tr> <td>Are we a top performer?</td> <td></td> <td></td> </tr> </tbody> </table>		Favorably	Un-favorably	How do we compare to NDNQI mean?							Yes	No	Are we a top performer?			<p style="text-align: center;"><b>Total Falls Per 1,000 Patient Days</b></p> <p style="text-align: center;">N=615 reporting units</p>
	Favorably	Un-favorably															
How do we compare to NDNQI mean?																	
	Yes	No															
Are we a top performer?																	