

Nursing Dashboards:

Data Transparency meets Performance Improvement

	Period	Value	% To Target	Value YTD	Target	Threshold	Actions
Nursing Dashboard Emory University Hospital							
Clinical							
Falls (per 1000 patient days) <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Sep 2009				2.65	3.18	
Hospital Acquired Pressure Ulcer Prevalence <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Jul 2009				2.7%	3.3%	
LOS Index <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Sep 2009				1.00	1.01	
CAUTI (Catheter Associated Urinary Tract Infection) Rate <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Sep 2009				3.23	3.87	
CLABSI (Central Line Associated Blood Stream Infection) Rate <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Aug 2009				0.37	0.44	
Ventilator Acquired Pneumonia <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Aug 2009				0.00	1.00	
VAP Bundle Compliance Totals <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Oct 2009				93.0%	90.0%	
VTE Orders Written <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Aug 2009				90.0%	81.0%	
VTE Orders Written iDashboard <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Oct 4 2009				90%	72%	
Patient Safety							
Influenza Vaccine Ordered <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Mar 29 2009				90.0%	72.0%	
Influenza Vaccine Administered <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Mar 29 2009				90.0%	72.0%	
Pneumonia Vaccine Administered <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Sep 6 2009				90.0%	72.0%	
Hand Hygiene <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Sep 2009				95.00%	80.00%	
2 Patient Identifiers <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Sep 2009				95.0%	80.0%	
Code MET (calls per 1000 discharge) <small>Nursing by Unit - Emory Healthcare : Emory University Hospital</small>	Jul 2009				30.00	0.00	

Indicator List

*Agency use FTEs	Patient Satisfaction- Kept Patient Informed
Bedside Shift Report Bundle	Patient Satisfaction- Overall Rating of Care
*Catheter Associate Urinary Tract Infections	Patient Satisfaction- Pain Assessment
*Central Line Blood Stream Infections	*Physical Restraint Prevalence
Code MET (calls per 1000 discharge)	Pneumonia Vaccine Administered
Dr 99 (calls per 1000 discharge)	Pneumonia Vaccine Ordered
*Falls (per 1000 patient days)	Research Studies
*Falls Severity Index	*RN Certification
Hand Hygiene	*RN Education
*Hospital Acquired Pressure Ulcer Prevalence	RN Satisfaction- Overall
Influenza Vaccine Administered	RN Satisfaction- Individual Questions
Influenza Vaccine Ordered	Two Patient Identifiers
LOS Index	VAP Bundle
*Nursing Care Hours Per Patient Day	*Ventilator Acquired Pneumonia
*Nursing Turnover	VTE Orders Written

* NDNQI Indicator

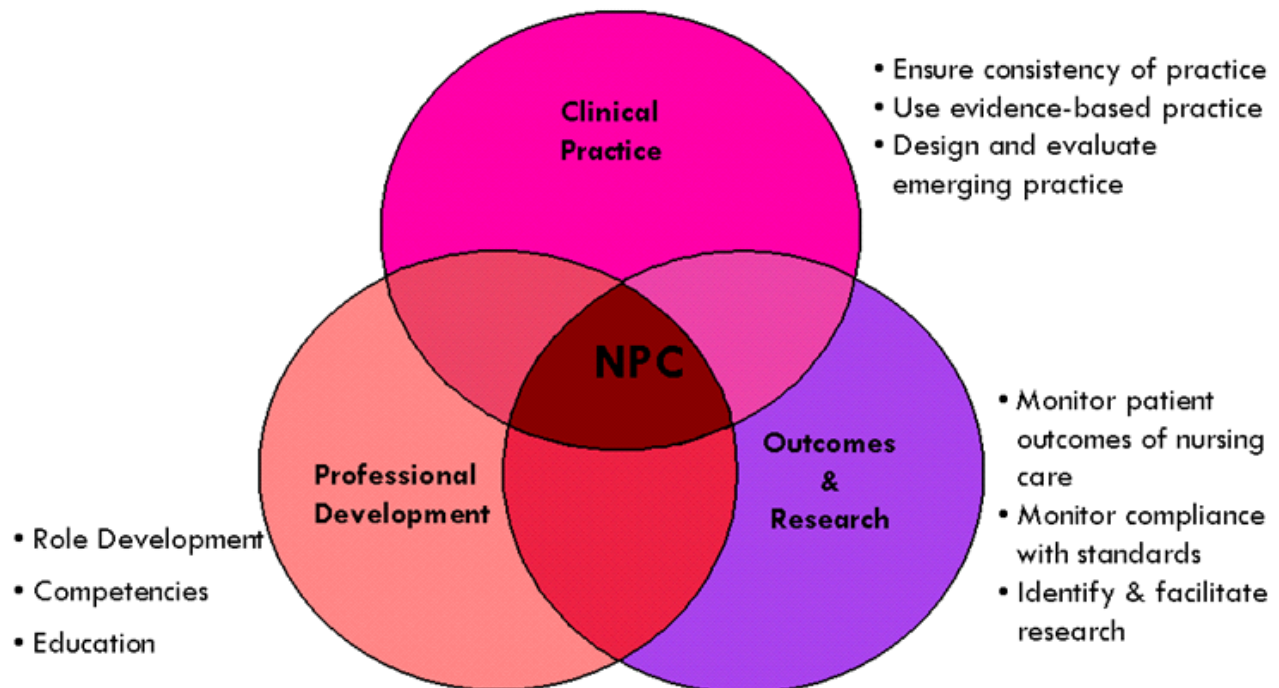
Magnet Index indicator

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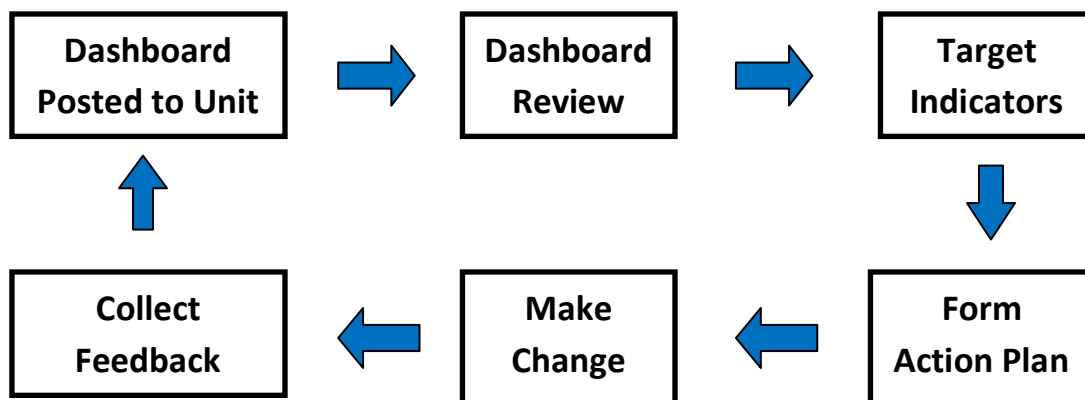
How do nurses:

- Monitor and Quantify Magnet Readiness on the Unit-Level?
- Pinpoint areas for improvement?
- Understand metrics?

1. Unit Practice Councils- Standing Agenda Item



2. Standardize Process from Getting the Data to Obtaining Feedback



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Calculations

Unit Target(s)	NDNQI 50th %ile of Magnet Hospitals
Threshold	20% from Target
% To Target If Target is GREATER than Performance	$\frac{\text{Actual}-\text{Target}}{\text{Target}}$
% To Target If Target is LOWER than performance	$1-\frac{\text{Actual}-\text{Target}}{\text{Target}}$

Entity and System Rollup Targets

Average of Unit Targets weighted by Monthly Census. See Equation:

$$\frac{\sum_1^X [(NDNQI\ 50th\ \%ile\ for\ X)(Avg\ Annual\ Census\ for\ X)]}{\sum_1^X (Avg\ Annual\ Census\ for\ X)}$$

X=Hospital Unit

Example: Calculate the Pressure Ulcer Target for Emory University Hospital Midtown

Category	Unit	NDNQI 50th Percentile	Avg Monthly Census Days
Adult Critical Care	21 ICU	8.62	335
Adult Critical Care	31 ICU	8.62	307
Adult Critical Care	41 CCU	8.62	288
Adult Critical Care	71 ICU	8.62	508
Adult Med/Surg Combined	11	0	1123
Adult Med/Surg Combined	51	0	1076
Adult Medical	52	2.25	560
Adult Medical	61	2.25	1251
Adult Medical	62	2.25	546
Adult Medical	71	2.25	522
Adult Step Down	21	2.26	952
Adult Step Down	41	2.26	907
Adult Surgical	31	0.14	680

Calculation

$$\frac{[8.62 * 335 + 8.62 * 307 + 8.62 * 288 + 8.62 * 508 + 0 * 1123 + 0 * 1076 + 2.25 * 560 + 2.25 * 1251 + 2.25 * 546 + 2.25 * 522 + 2.26 * 952 + 2.26 * 907 + .14 * 680]}{335 + 307 + 288 + 508 + 1123 + 1076 + 560 + 1251 + 546 + 522 + 952 + 907 + 680}$$

$$= \frac{23158}{9053} = 2.56\% \text{ Hospital Acquired Pressure Ulcers for EUHM}$$