Nursing and Pay for Performance

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Outline of the Presentation

- Nursing matters
- There is a business and social case for enhancing hospital nursing
- Current Pay for Performance systems do a poor job of targeting improvements in the core work of nursing

NURSING MATTERS Outcomes Associated with Nursing

Research studies looking at specific outcomes

	RN percent of staff		RN hours/day	
	Assoc	No Assoc	Assoc	No Asssoc
Mortality	1	1	8	6
Failure to Rescue	1	1	2	1
Length of Stay	3		8	
Pneumonia	3		5	1
Urinary Tract Infection	4		4	
Post Op Infection	2		2	
Nosocomial Infection			3	
Sepsis eedleman		1	4	2

NURSING MATTERS Outcomes Associated with Nursing

Research studies looking at specific outcomes

	RN percent of staff		RN hours/day	
	Assoc	No Assoc	Assoc	No Asssoc
Pressure Ulcers	4	1	3	2
Deep Vein Thrombosis		1	1	1
Upper GI Bleeding	1		1	
Shock/Cardiac Arrest	1		1	
Medication Errors	2		2	
Falls	3		2	
Pain Management	1		1	
Patient Satisfaction	2	1	1	
Patient Complaints eedleman	1		1	

NURSING MATTERS Nurses Impacts on Patient Outcomes

- Nurses' work is core function of hospital care
 - ▶ Have outpatient surgery, imaging, labs, therapy
 - Only reason patient is hospitalized is they need nursing care
- Range of outcomes influenced by nurse staffing reflect range of nurses' work
 - Delivering ordered care
 - Assessment and monitoring
 - ▶ Timely and appropriate intervention
 - Patient education

BUSINESS AND SOCIAL CASE FOR NURSING

Avoided Days and Adverse Outcomes Associated with Raising Nurse Staffing to 75th Percentile

Estimates from Needleman/Buerhaus, Health Affairs, 2006

	Raise RN Proportion	Raise Licensed Hours	Do Both
Avoided Days	1,507,493	2,598,339	4,106,315
Avoided Adverse Outcomes Cardiac arrest and shock, pneumonia, upper gastrointestinal bleeding, deep vein thrombosis, urinary tract infection	59,938	10,813	70,416
Avoided Deaths	4,997	1,801	6,754

BUSINESS AND SOCIAL CASE FOR NURSING Net Cost of Increasing Nurse Staffing

Estimates from Needleman/Buerhaus, Health Affairs, 2006

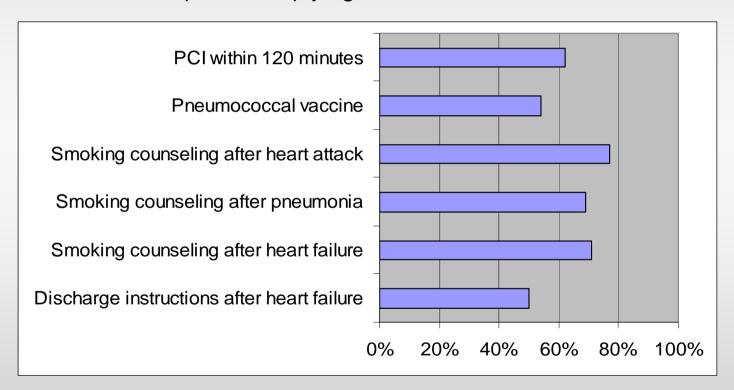
		Raise	
	Raise RN Proportion	Licensed Hours	Both
Cost of higher nursing	\$811 Million	\$ 7.5 Billion	\$ 8.5 Billion
Avoided costs (full cost)	\$ 2.6 Billion	\$ 4.3 Billion	\$ 6.9 Billion
Long term cost increase	(\$ 1.8 Billion)	\$ 3.2 Billion	\$ 1.6 Billion
As % of hospital costs	-0.5%	0.8%	0.4%
Short term cost increase			
(save 40% of average)	(\$ 2.4 Billion)	\$ 5.8 Billion	\$ 5.7 Billion
As % of hospital costs	-0.1%	1.5%	1.4%

Current P4P systems do a poor job of targeting improvements in the core work of nursing

- P4P usually looks at process, with focus on whether specific processes completed
 - Heart attack: aspirin on arrival, beta blocker on discharge, PCI in 120 minutes
 - Diabetes: blood tests, eye tests, foot exams
- But nursing processes hard to measure
 - Nurses are everywhere, doing everything
 - Multitasking
 - Tailoring care to needs of specific patients
 - Documenting requires looking over whole stay

CMS Hospital Compare measures possibly related to nursing

Percent of US hospitals complying with measure



Source: CMS Hospital Compare

MEASURING NURSING'S IMPACT NQF Consensus Standards for Nursing-Sensitive Care

- Nursing-Centered Intervention Measures
 - Smoking cessation counseling for acute myocardial infarction (AMI)
 - Smoking cessation counseling for heart failure
 - Smoking cessation counseling for pneumonia
- System-Centered Measures
 - Skill mix (RN, LPN, UAP, and contract)
 - Nursing care hours per patient day (RN, LPN, and UAP)
 - Practice Environment Scale—Nursing Work Index (composite and five subscales)
 - Voluntary turnover

MEASURING NURSING'S IMPACT NQF Consensus Standards for Nursing-Sensitive Care

- Patient Centered Outcome Measures
 - Death among surgical inpatients with treatable serious complications (failure to rescue)
 - Pressure ulcer prevalence
 - Falls prevalence
 - Falls with injury
 - Restraint prevalence (vest and limb only)
 - Urinary catheter-associated UTI for intensive care unit (ICU) patient
 - Central line catheter-associated blood stream infection rate for ICU and high-risk nursery (HRN) patients
 - Ventilator-associated pneumonia for ICU and HRN patients

Current Pay for Performance systems do a poor job of targeting improvements in the core work of nursing

- Problem not unique to nursing
 - Diabetes education, intervention not typically on lists of measures
- Problem needs to be solved, for nursing and other services