HAPI Prevention Project: Using a Skin Care Bundle Approach

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INTRODUCTION

What are HAPIs?

HAPIs - A Nursing Sensitive Quality Indicator
- Number affected: 2.5 million patients per year
- Cost: $9.1-$11.6 billion per year in the US
- Individual patient care ranges from $20,900 to $151,700 per HAPI
- Deaths: About 60,000 patients die as a direct result of a PI each year
- Increase length of stay & readmissions
- Increase morbidity & mortality
- Fines –California Department of Public Health (CDPH), Centers for Medicare and Medicaid services (CMS)
- Added work tasks
- Poor hospital safety ratings & consumer reports

HAPIs: A failure in care management
- Zero HAPIs supports The Agency for Healthcare Research and Quality (AHRQ) safety and quality hospital performance standards

OBJECTIVE

To implement an EBP, comprehensive prevention education program
- Aimed to reduce the HAPI rate in the MICU
- Supports the provision of cost-effective care
- Increases patient safety and quality care delivery

PROJECT DESCRIPTION

A bundle approach

Literature review results demonstrate skin care bundles decreased:
1. The incidence and prevalence
2. Severity
3. Total number of HAPIs

DORI skin care bundle

- EBP interventions - DORI acronym- (Dressing, Offloading, Repositioning, Incontinence care) guides the bedside, nurse-initiated preventive interventions
- Collaborative- Nurse referrals to Nutrition and Wound care consults for patients at high risk for HAPIs
- Inclusive- All MICU patients included with Braden scale assessments from admission to discharge

METHODS

Literature Search

Education & Training:
- Pre and Post tests
- Skin care champions

At the bedside- Bundle products for immediate use (i.e., dressings, pillows)

Assess & Document:
- Initial and ongoing Braden scale score and skin assessments/reassessments
- Bundle interventions
- Nutrition and Wound care consults

Accountability:
- Interventions endorsed during change of shift report
- Auditing
- Visual cue

RESULTS

Comparing MICU HAPI rates before and after bundle implementation

Process measures-
- Weekly management and self reviewed audits
- Percentage of compliance of EBP bundle interventions during skin rounds

Outcome measures-
- Number of HAPIs/rate/1,000 patient days
- Patient satisfaction
- Nursing satisfaction

Medical intensive care unit

(MICU) HAPI data

Press Ganey Prevalence Study 1 in 33.3 patients had a HAPI
- 25% of patients in the MICU had HAPIs

Location-
- Serial, buttocks, and occupant HAPIs were among the highest

CONCLUSIONS

- Positive patient outcomes
- High quality patient care, promotes fiscal sustainability and value-based care
- A promising approach to prevention
- Preventive actions vs. Reactive measures
- Success tied to assessment and risk factor identification
- Nurse driven, multidisciplinary approach that begins on admission and continues until discharge
- Additional research required specific to MICU patients and barriers to bundle intervention implementation

REFERENCES


