Impact of pressure injury education for nurses on hospital pressure injury prevalence rates

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Purpose

» To describe the background and implementation of SHIELD rounds

» To assess staff nurses’ perceptions of how SHIELD rounds have effected pressure injury prevention self-efficacy and patient outcomes

» To evaluate the effect of SHIELD rounds on hospital pressure injury prevalence rates
Aims and Objectives of SHIELD

» Aims
  ~ To build a culture of nurse empowerment and self-efficacy
  ~ To improve patient outcomes

» Objectives
  ~ Rounding by WOC nurses on nursing units monthly (except for PUPS)
    • Product in-services
    • Prevention techniques and rationales
    • Promoting resources to support interventions
Introduction and Background

» Pressure Ulcer/Injury
  ~ Centers for Medicare & Medicaid Services (CMS)
  ~ California Department of Public Health (CDPH)
  ~ Risks to hospitals and patients

» Pressure Ulcer Prevalence (PUPS)
The Magnet Model

» **Transformational Leadership**
  ~ Empowering evidence based practice, removing barriers

» **Structural Empowerment**
  ~ An environment of professional engagement and professional development

» **Exemplary Professional Practice**
  ~ Empowerment of nursing practice through education
  ~ Integrating quality indicators

» **New Knowledge and Innovation**
  ~ Engage in research, presentations
SHIELD:

Skin Health Improvement through Evidence, Learning, and Development
Developing SHIELD Rounds

» RN & WOCN feedback
  ~ PI staging
  ~ Identifying pressure injury versus other wounds
  ~ Differentiating M ASD and PI
  ~ PI interventions
  ~ Device-related PI

» Multiple approaches to education
Providing SHIELD Rounds

» Wound Care Nurses
   ~ Hospital skin care experts
   ~ Limited reach

» Skin Care Champions
   ~ Unit skin care experts
   ~ Unbounded time, access
SHIELD Timeline

CNO requires education rounds WOCNs survey for educational needs.

1st SHIELD Rounds conducted. Day shift & Medical Center only.

7th Floor SCC present SHIELD Rounds. Night shift, East Campus and Surgical Hospital included.

6th Floor & 8300 SCC present SHIELD Rounds.

1 year of SHIELD Rounds completed.

East Campus SCC present SHIELD Rounds.

East Campus SCC present SHIELD Rounds.

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Re-evaluation  Implementation  Growth  Growth  Continuity and Reiteration  Growth  Growth
SHIELD Rounds Impact

% of Patients with Hospital Acquired Pressure Injuries

Bedside RN Participation in SHIELD
SHIELD Evaluation

» Survey: January 2017

» Question 1: Have you participated in SHIELD Rounds

» Question 2: If you’ve participated in SHIELD Rounds, would you recommend it to a coworker?

» Question 3: Has participating in SHIELD Rounds improved your ability to customize pressure injury prevention?
SHIELD Evaluation

» Survey: April 2018

» Question 1: Have you participated in SHIELD Rounds?

» Question 2: How much has participating in SHIELD Rounds improved your ability to customize pressure injury prevention for your patients?

**Question 1**
- Yes: 80.65%
- No, what are SHIELD Rounds?: 4.30%
- No, but I heard my coworkers talking about it: 15.05%

**Question 2**
- Has not helped: 8.97%
- Has helped some: 30.77%
- Has helped a lot: 60.26%
**SHIELD Evaluation**

» **Question 3:** Has participating in SHIELD Rounds improved your confidence when staging pressure injuries?

» **Question 4:** Has participating in SHIELD Rounds improved your ability to prevent device-related pressure injuries?

» **Question 5:** Has participating in SHIELD Rounds improved your confidence in identifying moisture-associated skin damage (MASD)?

<table>
<thead>
<tr>
<th>Question 3</th>
<th>Has not helped</th>
<th>Has helped some</th>
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<tbody>
<tr>
<td>10.67%</td>
<td>40.00%</td>
<td>60.26%</td>
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<tr>
<th>Question 4</th>
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<td>6.76%</td>
<td>22.97%</td>
<td>70.27%</td>
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<th>Question 5</th>
<th>Has not helped</th>
<th>Has helped some</th>
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<tr>
<td>5.41%</td>
<td>25.68%</td>
<td>68.92%</td>
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The Future of SHIELD

» Yearly planning and evaluation

» Skin Care Champions

» Children’s Hospital

» Resurvey in 6-12 months

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<tr>
<th>Month</th>
<th>Dates</th>
<th>Topic</th>
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<tr>
<td>January</td>
<td>7-13</td>
<td>PI Prevention Toolbox</td>
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<tr>
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<td>PI Staging</td>
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<td>April</td>
<td>8-14</td>
<td>MASD</td>
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<td>June</td>
<td>10-16</td>
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<td>Mosby’s/PI Treatment</td>
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<td>December</td>
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