New Technology to Prevent Patient Falls

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BACKGROUND

- Hourly rounding is an evidence-based practice intervention to increase patient satisfaction and decrease adverse patient events, such as falls
  - Addresses the four “P’s” - Pain, Positioning, Potty, and Placement of Possessions during each patient encounter (Hicks, 2015)
Problem

• While the benefits to hourly rounding are clear and well supported in the literature, it is challenging for institutions to monitor the consistent completion of this practice.
• Inconsistent hourly rounding can lead to delayed toileting, patients trying to ambulate without assistance, and an increase in call light activation, which are related to patient falls (Hicks, 2015)
Opportunity Knocks

- Unit Renovations
- Innovations and Use of Technology
- Brainstorming
  - Quality and Safety
  - Patient Experience and Engagement
Electronic Whiteboards
Literature Review

- A review of the literature shows the multifactorial nature of patient falls and the positive effects of hourly patient rounding on falls in the acute care setting (Brosey & March, 2016; Skaggs, Hodge, Daniels & DeCamp, 2018)

- Findings regarding the use of whiteboards related to the effectiveness of whiteboards for patient communication (Gjaere & Lillebo, 2014) and performing hourly rounding as a fall prevention measure (Hicks, 2015)
What are Electronic Whiteboards?

- Technology that replaces traditional whiteboards
- Components include staff photos, comments, discharge instructions, diet, and schedule/activities for the day
- Custom backgrounds, created to enhance the patient experience, include scenic and holiday images, and birthday images
Electronic Whiteboard

Your Nurse: Christina
NA: Maria
Charge Nurse: Adrianna
Charge Nurse here now: Adrianna

Staff Visits:
11:33 AM
11:33 AM
11:31 AM
11:31 AM

Activity Level: Up With Assist of 1
Schedule: Surgery 4/25 1:15PM

Comments: Use call bell for assistance. ICOUGH education 8am & 8pm.

Goals: Walk in the hall 3x’s through out the day.
Disch Date: 04/27/2018
Diet: Do not eat or drink anything.

Wednesday, April 25th, 2018 11:34 am
Good Morning! Neil Sheppard

Room #: 322
Phone #: 215-952-9724
Patient Advocate Joan O'Brien 215-952-9987

Jefferson
HEALTH IS ALL WE DO

Your Physician: Dr Palazzo
Nurse Manager: John Renzi

HOME OF SIDNEY KIMMEL MEDICAL COLLEGE
Color-Coded Hourly Patient Rounding

- The staff wears battery-operated badges
- Staff's picture appear on the EWS, identifying staff presently in the room
- A time stamp appears on the EWS once staff exit the room
- The EWS system stores transmitted hourly patient rounding data
Central Electronic White Board

• Serves as a color-coded visual reminder
• Hourly Patient Rounding Indicators
  o Green dot - Round has been completed
  o Yellow dot - Get ready to round
  o Red dot - Time to perform hourly rounding
• The rounding indicator can be visualized by the interprofessional team
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**Hospital News**

Please remember to break down discharged charts on the off shift and weekends.

**Department News**

Dietary Pager has changed to 1 877-656-0440 or 1 877 656-1079 and or cell phone #267-216 8776
Implementation

- Electronic Whiteboards were installed in patient rooms
- Staff Education
  - Electronic whiteboard capabilities
  - Reinforcement of hourly rounding
  - Expectations
- Patients are educated upon admission by nursing staff
Research Question

- Will the implementation of electronic whiteboards decrease falls in the hospitalized surgical patient?
Findings

- **Quality Outcomes and Patient Safety**
  - EWS has greatly improved fall rates and increased patient safety
- The rate of falls per 1,000 patient days decreased from 11.17 in June 2016 to 0.00 in June 2017
- Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) surveys results - RN Communication Scores
RN Communication Scores - B3-MHD

Top Box Trends

Inpatient - B3SURG
Methodist Hospital
Section - CAHPS - Comm w/ Nurses

Displayed by Received Date and Total Sample

Implications for Nursing Practice

- Nurses maintain accountability and responsibility for hourly patient rounding
- EWS system tracks hourly rounding works to prevent adverse patient outcomes
- Increased collaboration with the interprofessional team regarding plans of care and care transitions
Adrianna Baccari, BSN, RN, explains the e-whiteboard. Each private room is equipped with an e-whiteboard connected to the nurses’ station that lets patients know every detail about their stay and care team while at the Spine Center.
References


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