

Alarm Fatigue, a very real nursing phenomenon! Andrea Rountree RN, FHNS Nursing Inquiry for the RN, NURS 446 Fort Hays State University, Department of Nursing



Introduction

Alarm fatigue is a very real phenomenon for nursing staff in many hospital settings. This can lead to desensitization of nursing staff to respond to patient's needs.

Research Question

In acute inpatient
telemetry units, what is the effect of
a nurse-driven
patient monitoring bundle on
alarm fatigue compared
to no monitoring bundle?

<u>Purpose</u>

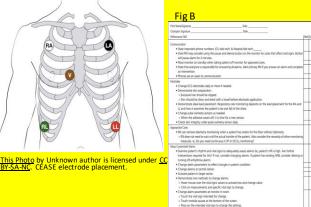
Describe the effect of implementing CEASE, a nurse-driven, evidence-based, patient-customized monitoring bundle on alar m fatigue in ICU's and SDU's (Lewis, 2019).

Conceptual Framework

Hildegard Peplau's theory states "An interpersonal process of therapeutic interactions between an individual who is sick or in need of health services and a nurse especially educated to recognize, respond to the need for help." This helps nurses and healthcare providers develop more therapeutic interventions in the clinical setting (Wayne, 2020).

Methods

The number of auditory monitoring alarms was counted. The duration of an alarm was measured in seconds and was the time elapsed from the start and stop time. Start time was when the alarm initially began, and end time was when the alarm was recorded to have stopped on the download from the monitoring system. The ICU/SDU staff nurse perception of alarm fatigue was measured by the Healthcare Technology Foundation Clinical Alarms Survey (Lewis, 2019). Education was provided on proper lead placement see Fig A. Checklists were provided to ensure proper use of CEASE see Fig B. Fig A.



Nursing Implications

Alarm fatigue is very
real problem. While monitoring is essen
tial for patient care, when
the monitors seem to alarm
for absolutely no reason nursing staff
tends to unintentionally
ignore these alarms, thus ignoring
patient needs. Accurate monitoring
would improve alarm fatigue and would
improve patient outcomes.

Results

- Total number of auditory monitor alarms decreased 30.45% from 52,880 to 36,780.

The number of Level 1 auditory monitor alarms decreased 7.7% from 14,131 to 13,040. The number of Level 2 auditory monitor alarms decreased 39.35% from 31,251 to 18,955. The number of Level 3 auditory monitor alarms decreased 36.18% from 7498 to 4785. Nurses perceived a significant decrease in nuisance alarm occurrence (Lewis, 2019).

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