

Using Data for Timely HAPU Interventions & Longer Term Assessments

Author: Melanie Johnson, BSN, RN, CWOCNWakeMed Health & Hospitals

Introduction

Timely, accessible data from the EMR can help decrease the incidence of HAPUs.

Purpose

We implemented this practice innovation to:

- Identify HAPUs
- Evaluate compliance with skin breakdown prevention care
- Determine trends for PU type, location and circumstance

Methodology

Using EMR data, we:

- Identified patients with PUs
- Conducted in-depth chart reviews and patient assessments to identify gaps in care
- Identified PU commonalities

By graphically displaying the results, longer term trends could be recognized and addressed.

Outcomes

- **HAPU rate** – <1%
- Preventable HAPUs decreased from 44% to 38%
- **Speed** – EMR capabilities help us quickly identify a PU, the probable reasons for its occurrence and recommend process improvements to Nursing.
- **Recognition** – Nurses received positive feedback when data showed improvements.
- **Trending** – Data showed us credible PU trends associated with medical devices and procedures so we could initiate prevention strategies, target education and increase awareness.

Partnering with clinical nurses at the bedside is vital!

Device-related Pressure Ulcer Event

| month | unit | prev or not | stage | location | device | circumstance |
|---------|----------|-------------|-------|----------|----------|----------------------------------------------|
| october | ccu | prev | II | neck | trach | |
| october | stiu | prev | dti | penis | foley | device holding foley taut against penis |
| nov | sticu | not | II | lip | ETT tube | documented facial swelling, q2 rotation done |
| nov | sticu | prev | II | penis | foley | device holding foley taut against penis |
| dec | 3E | not | II | ear | o2 | foam in use |
| dec | sticu | not | II | neck | trach | sutures required and no room for foam |
| jan | sticu | prev | dti | occ | c collar | may have been related to skull fracture |
| jan | sticu | prev | II | nose | ng | |
| jan | sticu | not | muc | lip | ett tube | q 2 hour done, facial swelling |
| jan | nccu | not | II | neck | trach | sutures required and no room for foam |
| feb | sticu | prev | III | penis | foley | device holding foley taut against penis |
| feb | sticu | prev | II | penis | foley | device holding foley taut against penis |
| feb | 3C rehab | prev | II | penis | foley | device holding foley taut against penis |
| feb | sticu | not | II | nose | ng | q 2 hour done, facial swelling |
| mar | sticu | prev | dti | occ | c collar | |
| mar | sticu | prev | dti | chin | c collar | |
| may | sticu | prev | II | neck | trach | sutured |
| may | sticu | prev | muc | lip | ETT tube | rotation not documented |

