Retrospective Study of an Electronic Wound Documentation and Reporting System on Facility-Acquired Pressure Ulcers in a Long Term Care Setting

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**Background**

Documentation of pressure ulcer (PrU) care is important for patient wound healing. Despite the importance of care standardization and documentation, many long-term care facilities struggle with paper systems based on subjective methods. This study was designed to test the effectiveness of an electronic wound management system\(^*\) to enable skilled nurses to provide better outcomes.

**Methods**

Data were collected over a seven-month period at a 51-bed skilled nursing facility among 56 residents with a Braden Risk Assessment and with a Stage 1 or greater PrU. Clinical data and digital images of each PrU was documented using a camera-enabled, mobile device for electronic wound management.*

**Results**

The incidence of new facility-acquired (FA) PrUs decreased substantially from 24 during the baseline month to an average of four per month over the next six months. A comparison of total number of wound events to non-events per month was found significant; Chi Square for Trend=63.736; \(p=.000\). By April, the odds of a new facility-acquired pressure ulcer occurring were 33 times less likely than in October.

**Conclusion**

During the seven month study, the skilled nursing facility was able to significantly decrease the incidence of facility-acquired pressure ulcers, which may be attributable to improved documentation & communication among care team using the electronic wound documentation system.*

**REFERENCES:**

Assess

Monitor

Document

Plan

Wound Patients

You list all patients with active wounds who reside at this facility. If a patient is no longer a resident of the facility, please discharge the patient.

Patient Last Name or MRN

<table>
<thead>
<tr>
<th>Patient Last Name or MRN</th>
<th>List all wound patients</th>
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TREATMENT PLAN RECOMMENDATIONS

As Of: 8/29/2012

Current Plan & Comments for the Previous 7 Days

None

Current Treatments

- Cleansers: Normal Saline
  - Once a day, as needed (PRN)
- Dressings: ABD Pad
  - Once a day, as needed (PRN)
- Antiseptics: Dakin's Solution
  - Once a day, as needed (PRN)
- Other: Debridement
  - NA
- Christian Interventions: Lab - Prebath
  - NA
- Christian Interventions: Consult Wound
  - NA
- Christian Interventions: Keep Wound Dry
  - NA
- Christian Interventions: Keep Wound Clean
  - NA
- Christian Interventions: Consult Dietitian
  - NA

*Practices of the treatment have been discontinued over the course of the wound.

No treatments were discontinued recently.

ADDITIONAL NOTES

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