# The Pressure is Off: Improving Assessment Skills of Pressure Injuries Grace Combs, Romie Suer, Chloe Schwartz, and Jenna Wamack

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## Introduction

Pressure injury occurrence developed in patients during hospitalization can increase length of stay and negatively impact health outcomes. A recent study done in 150 Korean hospitals found that the mortality rate in patients with pressure injuries was 2.81 times higher and the length of hospital stay in patients with a pressure injury was prolonged for 15.8 days on average compared with patients without a pressure injury.

# **Purpose**

Based on the accumulation of current research on nurses caring for patients with pressure injuries, this project has created an educational presentation and tool (badge reel card) to assist in the improvement of knowledge of nurses on progressive care unit at Mercy Fairfield in an effort to improve their confidence of pressure injury assessment and following treatment plans designed by wound care teams. An educational PowerPoint was delivered to nurses on the PCU via email, along with a pre and post-test to assess prior and post knowledge, and a visual of the badge reel card created by our group.

PICO question: In PCU nurses, how does a teaching intervention/session influence their knowledge level of pressure injury assessment and confidence in following treatment plans?

# Literature Search

#### **Databases**

CINAHL, EBSCO, and PubMed

#### **Search Parameters:**

Peer-reviewed articles
Published within the last 5-7 years

Keywords: pressure injury OR pressure ulcer, adult patients, nurse assessment, assessment tools, progressive care units OR inpatient units or intermittent care or step down, pressure ulcer treatment OR pressure ulcer care

## Current research

Current research for the treatment of pressure injuries includes frequent assessments and turns (done by the patient or care provider). If there is a pressure injury present; location, size, grade, wound bed, exudate, pain, surrounding skin, and undermining should all be assessed by the nurse. The cumulation of research shows that there is a gap between knowledge of pressure injury care and implementation. All together, there is need to increase pressure injury training in nurses that goes beyond prevention and moves into implementation of assessment and care.

# **Materials & Methods**

#### **Education plan+implementation:**

Place: Mercy Fairfield Hospital

Presented to: Nurses on the Progresisve Care Unit

Overall Purpose: To educate PCU nurses on the assessment of pressure injuries and improve confidence in the assessment and ability to follow an already developed treatment by the wound care team including the use of a new teaching tool (badge reel card).

#### **Objectives:**

Learners will be able to identify assessment questions to consider when caring for a patient with a pressure injury

Learners will be able to identify different characteristics of pressure injuries to assess on my patients (i.e. wound color, drainage, size, etc.)

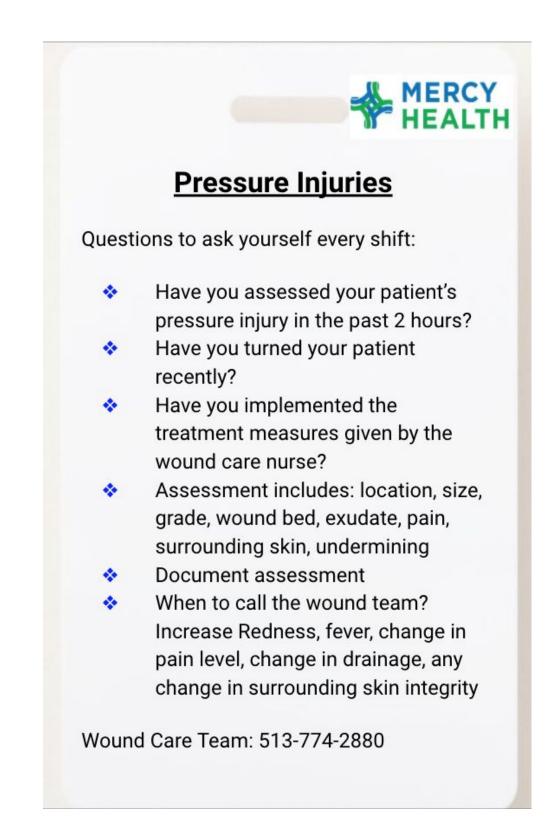
Learners will be able to improve their level of confidence about following treatment plans for their patients from the wound care team

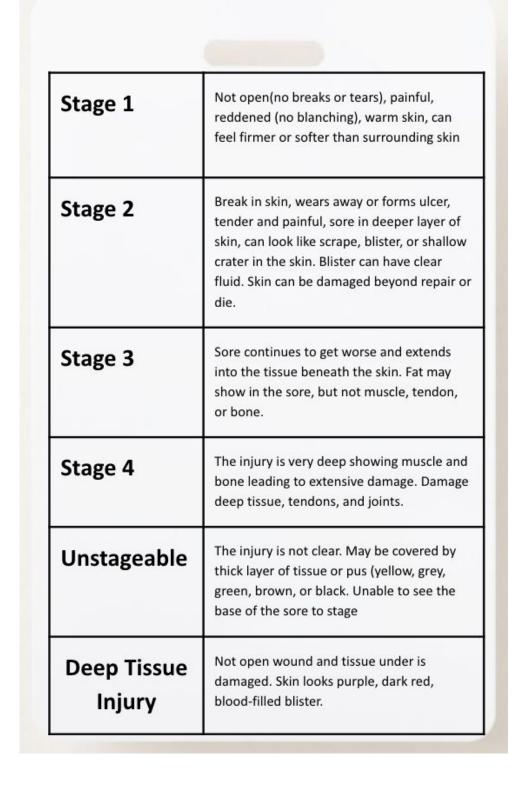
PowerPoint Presentation: 10 minute presentation delivered via email to nurses and given a week to view the presentation and teaching tool

Pre/Post-test: Five questions asked using a likert scale, randing from not confident at all(1) to completely confident (5)

## **Conclusions**

After providing the educational session, the nurses on this unit showed an overall increase in knowledge and confidence in the assessment of pressure injuries, as well as finding the badge reel helpful. There was comprehensive understanding of the assessment questions required for nurses to ask every shift and how to accurately identify different characteristics of pressure injuries after viewing the provided education.



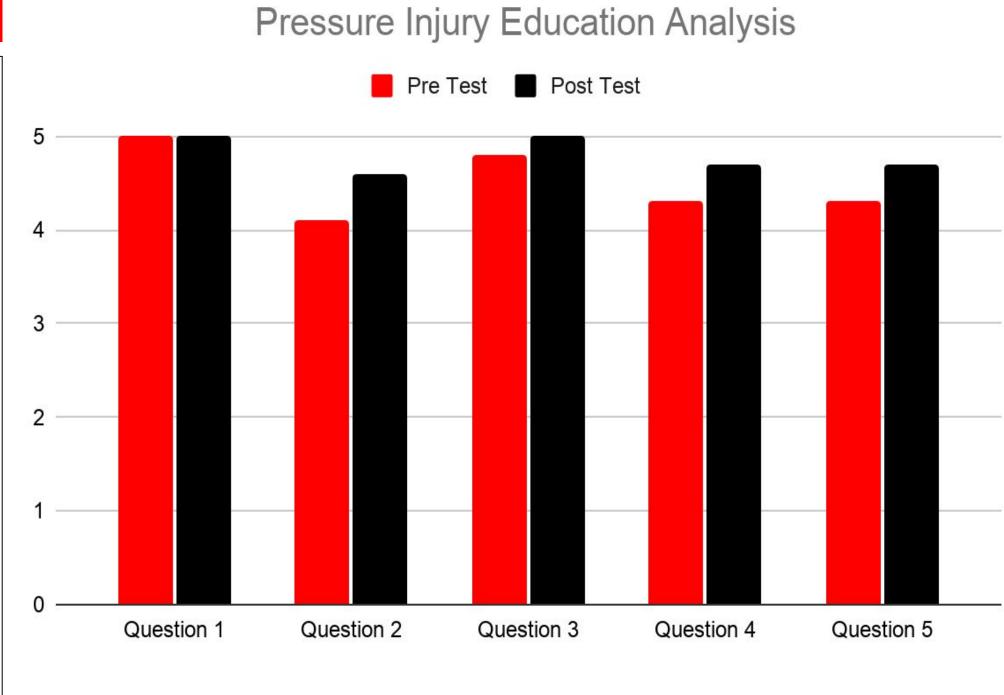


# Results

# Pre- & Post- Education Survey

# On a scale of 1 (1 is not confident at all) to 5 (5 is completely confident)

- . Have you ever received specific training on the treatment of pressure injuries during your employment at Mercy Fairfield? (Yes or No)
- 2. I can identify three assessment questions to consider when caring for a patient with a pressure injury.
- 3. At Mercy Fairfield, I am confident in my ability to access the necessary hospital resources regarding pressure injuries (i.e. wound care team phone number).
- 4. I can identify different characteristics of pressure injuries to assess on my patients (i.e. wound color, drainage, size, etc.).
- 5. I feel confident about the care and treatment of patients with pressure injuries.



# Recommendations

- Present in person PowerPoint with all of our group members present (unable to do this because of hospital covid restrictions)
- Provide nurses with a physical copy of the teaching tool on the day of our presentation and receive feedback on it
- Provide more time for the nurses to watch the presentation and complete the pre/post-tests in order to get a larger number of submissions

#### **References**

López, M., Jiménez, J. M., Peña, I., Cao, M. J., Simarro, M., & Castro, M. J. (2017). Ongoing nursing training influence on the completion of electronic pressure ulcer records. Nurse Education Today, 52, 22–27. <a href="https://doi-org.proxy.libraries.uc.edu/10.1016/j.nedt.2017.02.006">https://doi-org.proxy.libraries.uc.edu/10.1016/j.nedt.2017.02.006</a>

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