# Reducing Incidences of Pressure Injuries in ICU

A GROUP EFFORT TO REDUCE PRESSURE INJURIES.

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## RCSI

#### Beaumont Hospital, Dublin.



#### Who we are?

- Large Public Teaching Hospital
- > 820 Beds hospital-wide
- Facilitates a large catchment area of North Dublin.
- Affiliated to Royal College of Surgeons Ireland (RCSI) and Dublin City University (DCU).
- Specialties Neurosurgical, Neurology, Renal & Plastics, Designated Cancer Centre.

#### **Intensive Care Unit:**

- 20 General ICU beds over two units.
- 930 admissions per year
- Occupancy 96%
- 22% of our admissions are neurosurgical patients.
- High Staff Turnover post covid
- Approximately 120 Nurses
- Increased number of new staff who need to be trained.



An increased amount of pressure injuries were recorded.

#### Aim

- •To reduce the prevalence of pressure injuries occurring in patients in general ICU.
- •To educate staff regarding Pressure Injury Reporting Pathway.
- •To enhance nurses' knowledge.
- To implement pressure injury prevention strategies.
- Change culture to promote best practice.

#### Introduction

 September 2022 –Pressure Injury Prevention Team formulated

•Quality Improvement Project

Team effort to reduce pressure injuries.



#### Pressure Injury:

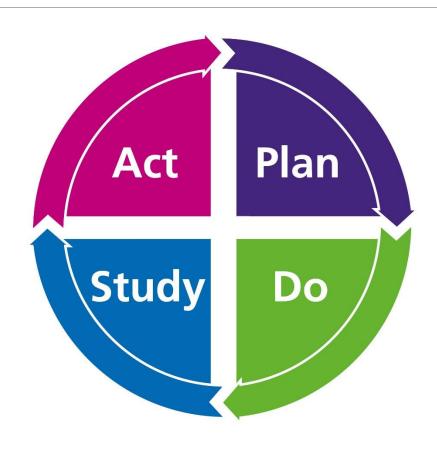
Localised injury to skin on/under a bony prominence.

Can be caused by pressure and/or repeated shearing.

ICU Patients at high risk of developing a pressure injury.

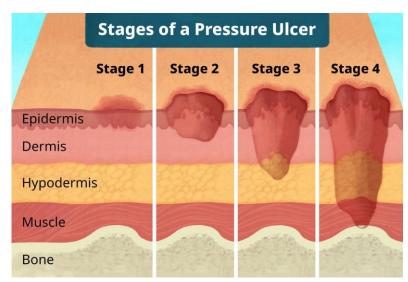
PRESSURE INJURIES CAN INCREASE LENGTH OF STAY IN HOSPITAL AND IN ICU.

#### Plan, Do, Study, Act



#### Pressure Injury Prevention Team

- Formulation of a small focus group interested in improving our current practice
- Led by Clinical Nurse Manager, CPSN, and includes Staff Nurses, HCAs and TVN link nurses.
- ■18 members
- Regular meetings which happen on turnover of shift.
- Tissue Viability Nurse often attends meetings.





- Discussions through pressure injury prevention meetings.
- •Taking advice from key stakeholders: CNM 2, TVN's, CNM3, Directorate Manager and ADON.
- Identifying recent pressure injuries and identifying how to prevent them in future.

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#### Peer to Peer Education

 Main Focus of Pressure Injury Prevention team

- Bedside informal education
- Kept up to date via emails on changes across unit
- •Updated policies and resources in a folder and on ICIP.



#### Air Mattress Optimisation

- •Introduction of Quatro Acute Air Mattress for every patient admitted to ICU.
- Spinal Precautions foam mattress to be changed to acute immediately.





#### Repositioning Rounds

- Morning time was identified as the biggest gap between repositioning.
- Care Assistants encouraged to do repositioning rounds more regularly.
- Members of Pressure Injury team 'Repositioning Champions'.



#### Heel Protection











Simple escalation pathway of 'How to deal with the Heel' Poster.

•Education on correct fitting of TED stockings.



#### Avoidance of Loss of Skin Integrity

Say 'No to the Inco'

"'No crease in the sheet'

"'Peak and Peel'.

#### Peal & Peek Pressure ulcer prevention inspection and re-application guide -application is not applicable for the treatment of optimal skin microclimate during wear time. 5,7,8 · Assess natient for pressure ulcer risk . If patient is at risk, apply Mepilex Border Sacrum . Inspect skin under dressing daily or per trust protocol by carefully lifting the border edge and repositioning following inspection. . Change dressing per local protocol (dressing should be changed if rolled, soiled, saturated, displaced or compromised) Confirm dressing is replaced to its original position, making sure the border is intact and flat. **Fannin**

#### Correct Use of Skin Care Products

•Education on appropriate use of Cavilon products

Use of correct wash for different skin types.

Correct use of dressings to pressure injuries.

Purple Cavilon = Prevention Blue Cavilon = Broken Skin.



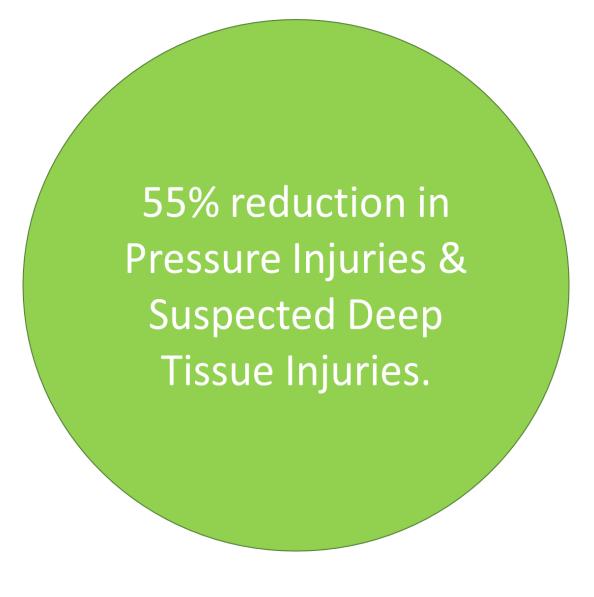
#### Quality Board

Daily safety Cross

Pressure Injury Prevention Folder

Pressure Injury Prevention Board.

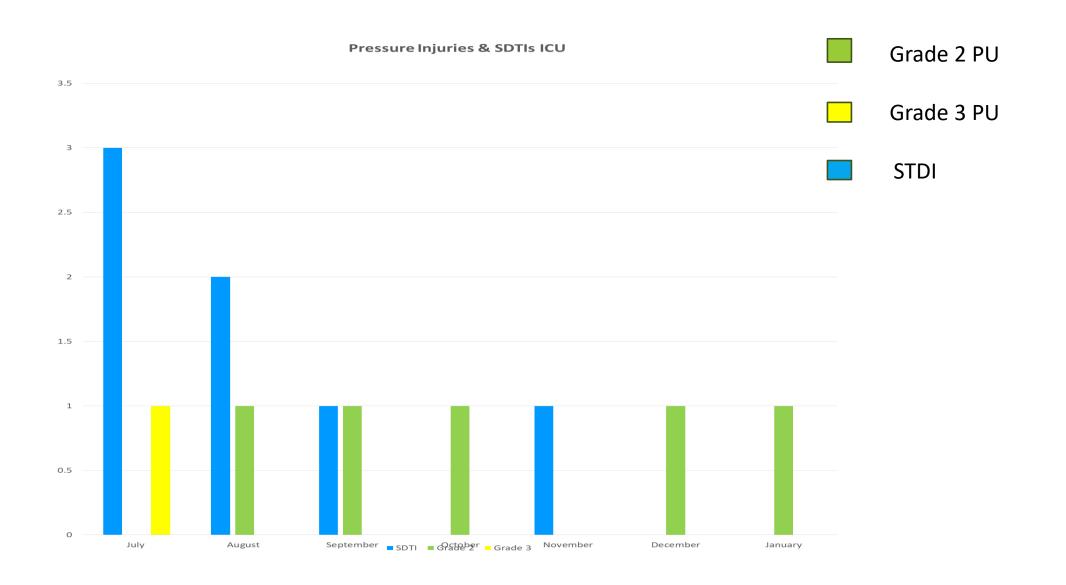




First quarter of 2023.

Decreased incidence of unit acquired pressure injuries to patients' heels.





#### Focus Group -Hospital Wide

TVN nurses have created a hospital wide pressure injury prevention team.

Hospital wide meetings are regularly formulated.

•Recent audits show this has shown hospital wide compliance with documentation and referrals.

Link Nurses – keep up to date with latest changes to Pressure injury prevention.

#### Recommendations:

Continue monthly Pressure Injury Prevention Team Meetings including attendance of TVN.

Larger groups of peer-to-peer education at 3pm quiet time via Powerpoint presentation.

Serious Pressure Injury Report form review on each Pressure Injury Meeting.

#### Conclusion

Reduction in the prevalence of pressure injuries in ICU.

Small changes have yielded great results.

Ongoing effort of peer-to-peer education.



### Questions



#### **Contact Details**

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