



Introduction

The pace within the Emergency Department/Trauma Unit is rapid with high acuity patients. And clinicians are continuously looking for process improvements. To help protect patients and staff during lateral transfers a new patient repositioning pad equipped with handles and absorption capabilities was brought into the Emergency Department for trial.

Objective

The objective of the product trial was to evaluate the safe patient handling and absorption capabilities of the new repositioning pad with Trauma patients.

Methods

In order to measure the effectiveness of patient repositioning pad with handles:

- Trial was initiated in the Emergency Department/Trauma
- Trial was conducted May 15th – June 1st , 2023
- 120 Patient Repositioning Pads used
- Staff feedback were captured on Data Collection Sheets/Product Evaluation Form

Results

Patient and Product Trial Outcomes:

Ease of set up and use	Moisture and temperature management	Product aided in repositioning patient	Product aided in transferring patient	Product aided in boosting patient	Helped protect underlying surface
Excellent - 18	Excellent - 17	Excellent - 15	Excellent - 15	Excellent - 15	Excellent - 15
Good	Good	Good	Good	Good	Good - 3
Fair	Fair	Fair – 2*	Fair – 2*	Fair – 2*	Fair
N/A	N/A - 1	N/A - 1	N/A - 1	N/A - 1	N/A
		* Length & width too short for patient	* Length & width too short for patient	* Length & width too short for patient	

Baseline Skin Assessment:

12 Dry/Intact
1 Macerated
5 Unable to assess

72 hours after patient moved to another unit:

ZERO Hospital-Acquired Pressure Injuries (Including: Pressure Injuries, friction injuries or moisture-related skin damage)

Patient Conditions

Gunshot Wound

Pregnancy/Labor

Stabbing

Motor Vehicle Collision

Motorcycle Collision

Altered Mental Status



Simulated Product in Use



Clinical Team Conducting the Trial



Conclusion

Trial Outcome:

By implementing the handled pad in the Trauma unit:

- ✓ **ZERO musculoskeletal staff injuries**
- ✓ **Increased ED staff satisfaction**
- ✓ **Superior absorption protection of patient’s skin from excessive fluids and minimized soiling of underlying surfaces**

Outcomes Outside the Scope of the Trial:

By implementing the handled pad in the Trauma unit:

- ✓ **ZERO Hospital-Acquired Pressure Injuries developed after 72 hours (Pressure injuries, friction injuries or moisture-related skin damage)**
- ✓ **Product was used successfully in other departments and areas (Respiratory& CT)**
- ✓ **Product, when used to move a larger patient, kept patient and staff safe and helped complete the task with fewer clinicians**



Product (s) Tried:
EHOB BAM Sheet
Boost . Assist . Move