

Mattress Replacement Project

The Problem

The mattresses throughout the medical center did not provide a therapeutic surface for patient's who were at risk for or already had skin breakdown due to pressure. The process for ordering specialty beds and placing the patient on the specialty bed was time consuming for staff and resulted in treatment delays and increased costs for the medical center.

Aim/Goal

To provide all inpatients at BIDMC with a pressure redistribution surface upon admission and during their hospital stay by October 2008. To reduce specialty bed rental costs by eliminating the Gaymar Overlay and Comfortex mattresses and reduction of First Step MRS rentals.

The Team

BORM (Bed and other Rental Management)

Paul Anderson, Operations

Jeff Berry, Contracting

Lydia Capano, PCS Financial

Christine Kristeller, Nursing

John Ryan, Nurse Manager

Joe Sheil, Contracting

Janice Cunnane ,RN, CWOCN, Co Chair BORM

Linda Denekamp, MS, Co Chair BORM

David Drew, Operation Coordinator

Michael Kennedy, Environmental Services

Deborah McGrath, Operation Coordinator

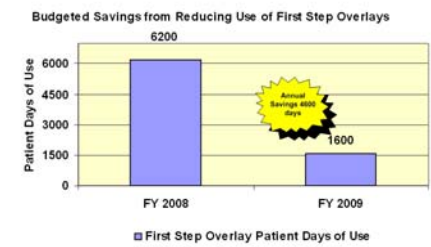
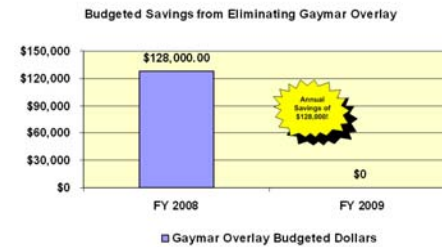
Kerri Petraitis, Operation Coordinator

Wound/Ostomy/Continence Nurses

The Interventions

- Cost analysis for replacement of current Comfortex mattresses and Gaymar Overlay elimination
- Education of therapeutic mattress replacements and selection of Atmos Air
- Organization of support teams from nursing, EVS, and transport services
- Coordination of two day rollout of 501 mattresses
- Education of all medical center staff regarding mattress replacement project
- Updated Algorithms for Therapeutic Surface Guideline Education throughout medical center including Atmos Air mattresses technology

The Results/Progress to Date



- No time delay in providing a pressure redistribution surface for patients and 50% reduction in hospital acquired pressure ulcers on med/surg units in 2009 in conjunction with BIDMC Pressure Ulcer Prevention Program
- Decreased work/time for nursing, EVS and distribution with the elimination of the Gaymar Overlay mattresses
- Cost savings of \$128,000.00 to BIDMC for 100% elimination of Gaymar overlays
- Cost savings of \$37,000.00 to BIDMC for discontinuation of Comfortex mattresses (current mattress)
- BIDMC reduced the annual patient days of the use of the First Step MRS rental product from 6,220 days to 1,621 days which will reduce the Cap for pending years.

Lessons Learned

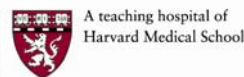
- A multidisciplinary team approach enabled the project to be successful
- Designing an effective roll-out plan required the active participation of many disciplines and departments.
- Clear and frequent communication was essential to success.
- Good patient outcomes and cost savings can be synonymous

Next Steps/What Should Happen Next:

- Ongoing education to staff regarding therapeutic surfaces and pressure ulcer prevention.
- Continuous replacement of Atmos Air mattresses every 5 years and as needed basis
- Continued tracking of specialty bed rental costs



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