

 NICHE CONFERENCE

### Project Implementation

**3. New product evaluation**

- In-depth evaluation of three models from different vendors by interdisciplinary team
- Discovery of newer technology that allowed standard mattresses to be immediately transformed into alternating air mattress with the simple integration of an optional air pump
- Alternating air mattresses reduce pressure ulcer occurrence better than other types of support surfaces (1,2)

FORUM PRESENTER:  
Kerri Esabrouk, MSN, RN, FNP-BC, Director of Nursing and Eleanor Orbach, MSN, RN, Clinical Coordinator

NYU  

---

---

---

---

---


---

---

---

---

---



 NICHE CONFERENCE

### Project Implementation

**4. Proposal for funding**

- Using evidence and CNO support, proposal submitted to Capital Committee for approval of the \$257K cost to replace all hospital mattresses (275) and provide enough optional pumps for high-risk pts (110)
- Funding granted! Largely on the basis of a cost return in two years, and significant cost savings in the subsequent five to eight years of the mattress' life span

FORUM PRESENTER:  
Kerri Esabrouk, MSN, RN, FNP-BC, Director of Nursing and Eleanor Orbach, MSN, RN, Clinical Coordinator

NYU  

---

---

---

---

---


---

---

---

---

---

 NICHE CONFERENCE

### Project Implementation



**5. Contract finalization/purchase**

- Contract negotiation with vendor
- Coordination of delivery

**6. Planning and organization of switch-out days**

- Education for the Nursing Leadership team and staff about the new product and planned switch-out in April 2015, with plan to replace all 275 mattresses over 2 ½ days
- Plan was communicated to the hospital employee community, as well as to the affected patients by their primary nurses and nurse managers

FORUM PRESENTER:  
Kerri Esabrouk, MSN, RN, FNP-BC, Director of Nursing and Eleanor Orbach, MSN, RN, Clinical Coordinator

NYU  

---

---

---

---

---


---

---

---

---

---



 NICHE CONFERENCE

### Project Implementation

**7. Switch-out operation**

- Command center created - new mattresses were delivered, unpackaged, cleaned and transported to nursing units
- Old mattresses were removed from pt rooms, cleaned, and transported to the command center for disposal
- Simultaneously, new mattresses were transported and placed in pt rooms
- The process was completed unit-by-unit, with multiple teams of 2-3 staff members on the units to transfer patients (as needed), exchange mattresses, and re-make linens
- Clinical teams consisted of: unit RNs, unit techs, wound care therapists/techs/nurses, physical therapists/techs

FORUM PRESENTERS:  
Kerri Esabrouk, MSN, RN, FNP-BC, Director of Nursing and Eleanor Orbach, MSN, RN, Clinical Coordinator

NYU  

---

---

---

---

---

---

---


---

---

---

---



---

 NICHE CONFERENCE

### Project Evaluation

- Ongoing monitoring of pt complaints and HAPUs
- Nursing Operations Council monitored and reported out on pump usage by nursing unit for three consecutive months to verify utilization and appropriate distribution
- Creation of high-risk skin report (with IT) to track high risk patients via Braden scale and pump utilization
  - Emailed to Nurse Managers and Directors daily

FORUM PRESENTERS:  
Kerri Esabrouk, MSN, RN, FNP-BC, Director of Nursing and Eleanor Orbach, MSN, RN, Clinical Coordinator

NYU  

---

---

---

---

---

---

---


---

---

---

---

---



 NICHE CONFERENCE

### Project Outcomes

**Reduction of patient complaints**  
 Only 3 HCAHPS complaints in 15 mo after switch-out = **62.5% reduction**  
 Many less informal complaints to RNs and EVS

**Reduction in Stage 3/4 HAPUs (AHRQ criteria)**  
 4 Quarters prior (Q3 2014 – Q2 2015) = 5 ulcers  
 4 Quarters after (Q3 2015 – Q2 2016) = 1 ulcer  
**80% reduction**

FORUM PRESENTERS:  
Kerri Esabrouk, MSN, RN, FNP-BC, Director of Nursing and Eleanor Orbach, MSN, RN, Clinical Coordinator

NYU  

---

---

---

---

---

---

---

---

---

---

---

---



## Questions?

FORUM PRESENTER:  
Kerri Esabrou, MSN, RN, FNP-BC, Director of Nursing and Eleanor Orbanz, MSN, RN, Clinical Coordinator



---

---

---

---

---

---

---

---