

#### URINARY TRACT INFECTIONS: QUALITY IMPROVEMENT PROJECT

## THINK HEALTHY. THINK HURLEY.

# **URINARY TRACT INFECTIONS**



- Reason for choosing UTI
  - MTQIP reports
  - UTI consistent area of weakness
- MTQIP reports presented at Trauma Program Operational Process Performance Committee
- Presented MTQIP reports to the Board of Managers
  - Developed hospital wide initiative
    - Decrease use of foley catheters
    - Early discontinuation of catheters

## **STAFF EDUCATION**



- Hospital-wide
- PowerPoint developed by Quality Department
- Michigan Health & Hospital Association Keystone Center for Patient Safety & Quality
  - Keystone: Hospital Acquired Infections (HAI) initiative
    - Goal to reduce and eliminate hospital-associated infections

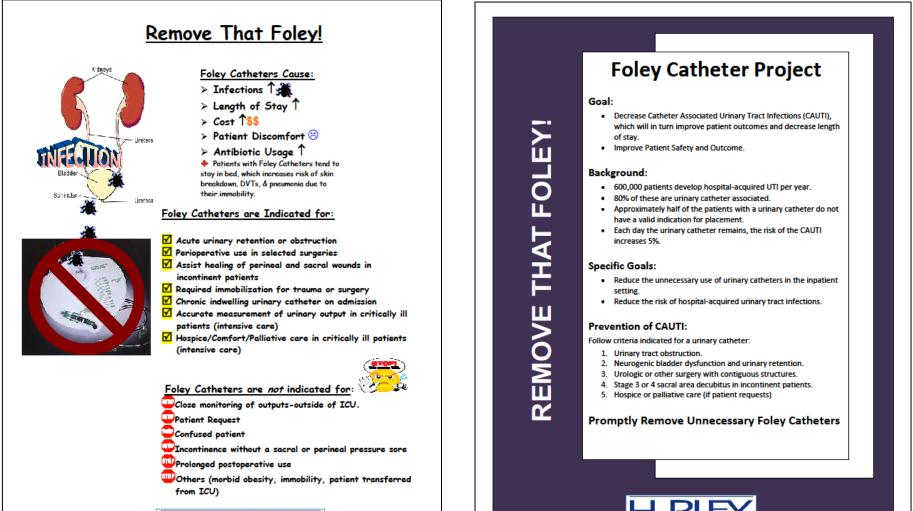




- Take home messages
  - Not every patient needs a foley
  - Discontinuation of foley should occur as soon as the patient no longer meets criteria
  - Need for continuation of foley should be evaluated on a daily basis

### POSTERS





MEDICAL

CEN



# **DATA COLLECTION**

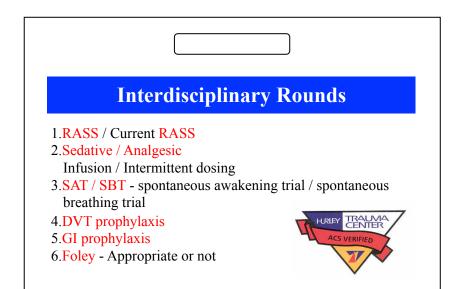


- MTQIP definitions
  - Culture results
    - ≥100,000 microorganisms per cm<sup>3</sup> of urine with no more than 2 species of microorganisms
  - Vital Signs
    - Fever >38° C
  - Laboratory Results
    - WBC>100,000 or <3000 per cubic millimeter
- Discussion of definitions with Trauma Surgeons and Mid-Level Practitioners

## **INTERDISCIPLINARY ROUNDING**



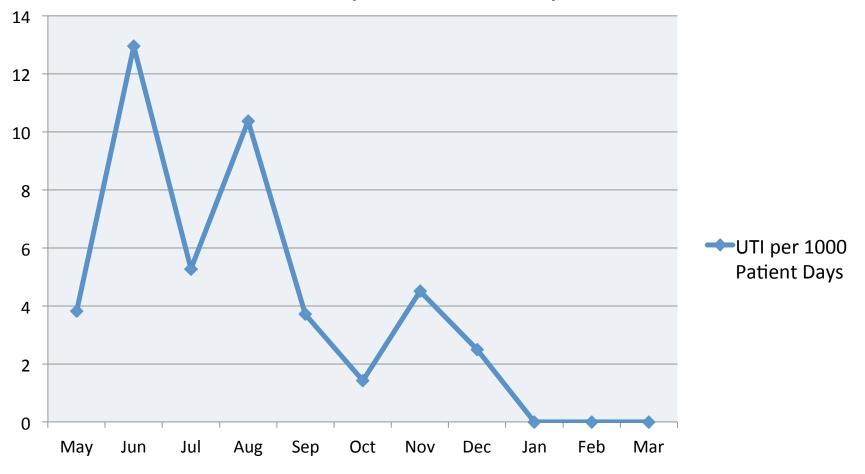
- Badge backers
- Need for foley addressed daily
- All members of interdisciplinary team involved



### RESULTS



#### UTI per 1000 Patient Days



May 2011 – March 2012

## CONCLUSION



- Several interventions used
  - Staff education regarding Keystone initiative
  - Badge backers for interdisciplinary rounds
  - Modification of data collection methods to match MTQIP definitions
- Decrease in UTI incidence
  - Several interventions simultaneously