## **Utilizing Technology to Enhance Evidence-Based Practice** in the Prevention of Hospital-Acquired Urinary Tract Infection

CHRISTUS St. Michael Health System | **Evelyn White**, RN, BAAS, IP, CIC



## **Background & Significance:**

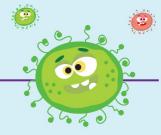
CHRISTUS St. Michael Health System is a 312-bed, acute-care facility located in Northeast Texas.

- Hospital acquired urinary tract infection increased in FY 2008.
- FY2008: 2.34% urine NIM rate.

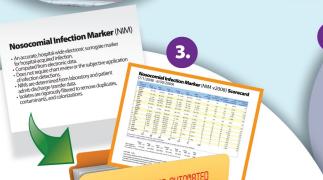


## Purpose:

Decrease urine NIM by 10% through infection prevention processes.



Urine NIM's



PRESENTED TO MANAGERS MONTHLY.

**Our Strategy:** 

- A team reviewed the procedures for collection of urinary specimens, the placement of urinary catheters. and the care of urinary catheters.
- An Infection Preventionist analyzed
- electronic surveillance data in real time.
- Implemented and monitored new evidence-based practices.





**Evaluation &** Ongoing Progress:

• **Decreased** urine NIM by 12.6% hospital wide, 60% in CVICU,

**20**% in SICU

• Potential avoidance of 35 UTIs with cost savings of \$93,780.

• Estimated length of stay **reduced** by **144 days**.

Implementation: Developed a UTI Prevention Bundle

> Advantages in **Using Bundles:**

• Decrease morbidity and mortality • Improve patient outcomes

CHRISTUS ST. MCHAEL

Cost savings



Urine NIMS - Unit Summary Report FY2009

CHRISTUS, ST. MICHAEL Health System

Our Mission: To extend the healing ministry of Jesus Christ

