

Title of Project: Home Health Care medical staff intervention to reduce the risk of catheter-associated urinary tract infection (CAUTI), Staff education, Monitoring, and Catheter Care Techniques for elderly

Authors: Dr. Maryam Al Obaidli (Fellow); Dr. Navas Nadukkandiyil (Specialist) - Geriatric Department Dr. Hanadi Al Hamad; Dr. Essa Al Sulaiti; Mr. Ahmed Al zubi;; Mrs Sybil Binu George

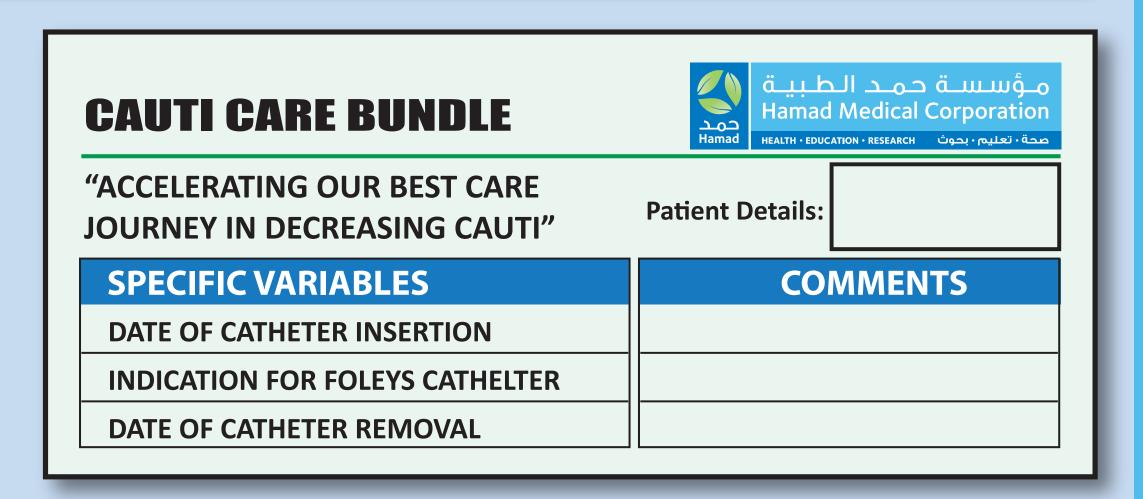
**Background:** The prevalence of UTI is 23% in 2012; of which 53% are Foley's catheter related( last 10 months data from medical records); CAUTI is one of the most common infections increasing Morbidity among Home health care patients.

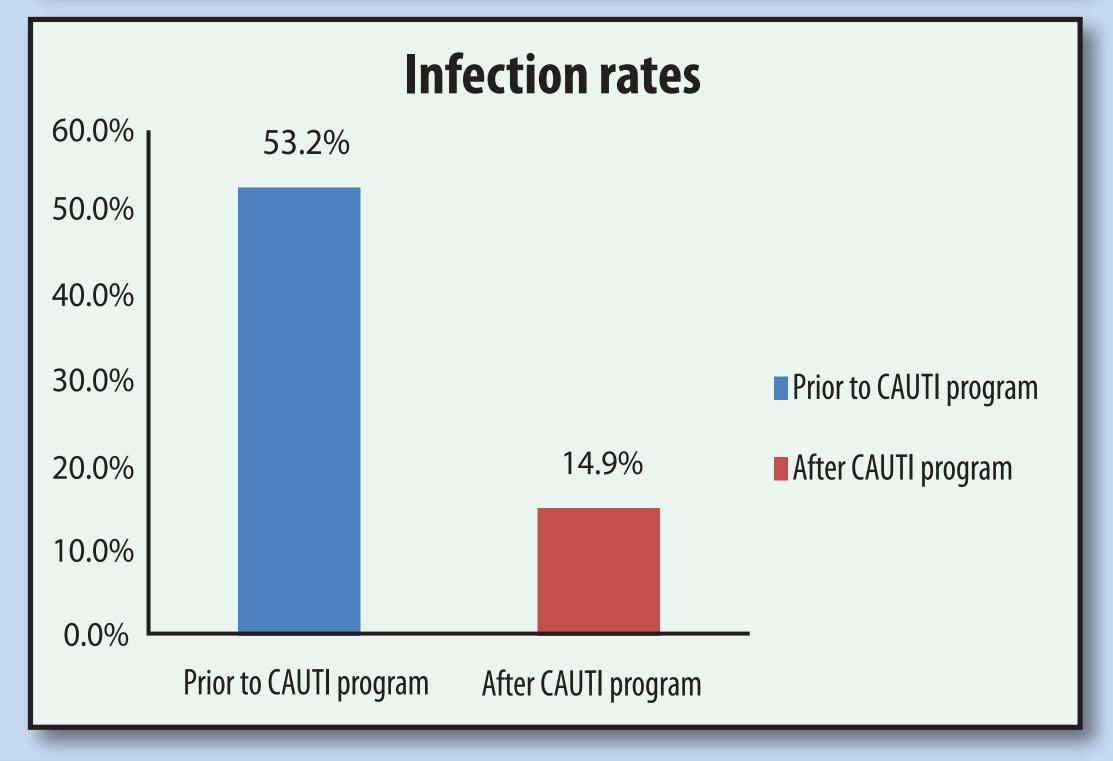
Aim: Short term: Reducing Foley's CAUTI in elderly patients from 53% to 43% in home care by the end of June 2013 (10 % from current ratio)

Long term: To reduce Foley's CAUTI in elderly patients to less than 1% by end of 2014

**Method:** The Hamad Medical Corporation Centers for health care services has enacted a Quality project that have focused considerable attention on the optimal use of indwelling catheters in the long-term care settings; the methods include cause effect analysis,

**Results:** During Pre-intervention period, the rate of infection was 53.2% (25 patients with uti/47 patients on Foleys catheter) which has been reduced to 14.9% (7 patients with UTI/47 patients on Foleys catheter) in the post implementation period. Therefore, a significant reduction (38%) has been observed in the infection rate after implementation of the CAUTI prevention program





**Discussion/Conclusion:** Foleys Catheter associated urinary tract infection rates reduced significantly from 53% to 15%; exceeding goal of 10% from current. More time is needed to assess the continuity of infection rates to reduce less than 1 % as our goal and its effectiveness in the rest of Home care patients. Staff education & improving documentation and continuity of care also influenced this process of CAUTI prvention program

## **Sustainability:**

- 1. Adding all home care patients with Foleys catheter to this program by end of 2014
- 2. Getting formal approval of "CAUTI care Sticker" by medical record.
- 3. Extend this program to SNF & HGH geriatric in patients.

**References:** National Center for Health Statistics, Centers for Disease Control and Prevention, U.S. Dept. of Health and Human Services, September 2004. Series 13, No.157. Hyattsville, MD.

**Lessons learned:** Auditing of patient files to determine baseline Foley's CAUTI data, type of organism and documentation rates. Staff education program (CDC guidelines about CAUTI prevention). Staff survey to determine reasons for non-compliance of delayed removal of catheter.

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## **Contact Details:**

Dr. Navas

E-mail: drnavasnk1111@yahoo.co.in Mob: +974 33782463