Emergency Department CAUTI Bundle Initiative

Schuyler Hospital
Critical Access Hospital

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Opportunity:
Urinary Catheters not removed within 24 – 48 hours of placement

- Most Schuyler Hospital inpatients originate from ED
- Urinary Catheters initiated in ED were not always reordered on inpatient order set.

Outcomes:
- Urinary Catheters not removed promptly
- Increase in Urinary Tract Infections
### Ratings

#### Schuyler Hospital UTI rate related to urinary catheter

<table>
<thead>
<tr>
<th></th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>April</th>
<th>May</th>
<th>June</th>
</tr>
</thead>
<tbody>
<tr>
<td># of actual UTI related to urinary catheter</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>0</td>
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<tr>
<td># of patient days</td>
<td>374</td>
<td>409</td>
<td>507</td>
<td>401</td>
<td>421</td>
<td>385</td>
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<tr>
<td>Rate (# of urinary catheter related UTI x 1000/# patient days)</td>
<td>2.67</td>
<td>2.44</td>
<td>3.94</td>
<td>2.49</td>
<td>2.37</td>
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“Follow the Foley” process initiated.

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**Graph:**
- **Schuyler Hospital rate # UTI x 1000/patient days**
- **Target**
“Follow the Foley”
Foley Catheter Tracking Sticker

<table>
<thead>
<tr>
<th>FOLEY CATHETER</th>
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<tbody>
<tr>
<td>DATE INSERTED</td>
</tr>
<tr>
<td>CHANGE DATE</td>
</tr>
<tr>
<td>FOLEY SIZE</td>
</tr>
<tr>
<td>REASON FOR FOLEY</td>
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**Purpose:**
- Identify patients with foleys who are admitted
- Hand off nursing tool

**Procedure:**
- Sticker is placed on the ED record by the ED nurse
- Admission nurse verifies foley protocol is ordered
Provider Order Form

Purpose:

- Provide a tool for ensuring compliance with protocol
Foley Catheter Protocol

Purpose:
- Provide a tool for compliance with CAUTI bundle

Procedure:
- Ordered by provider
- Completed by RN

1. Obtain urine culture upon admission (those patients admitted with indwelling foley catheter), upon insertion of foley catheter, and prior to antibiotics being started.
2. Nursing shall assess patient each day to ensure they continue to meet the recommended criteria.
3. Nursing shall notify the physician should patient not meet recommended criteria and request an order for catheter removal on Day 2 of admission (48 hours).
4. Criteria met for urinary catheterization as follows but not limited to (indicate all that apply):
   - Urinary retention.
   - Incontinence with pressure ulcers.
   - Urinary tract obstruction.
   - Neurogenic bladder patients not performing self catheterization at home.
   - Surgery involving GU tract.
     - Foley to be removed Post Op Day 1 or 2.
     - Documentation by physician if foley is to remain in longer.
   - Monitoring accurate urine output.
     - Urometer must be in place
   - Acute renal failure.
   - Acute respiratory failure.
   - High dose of diuretics.
   - Urology orders would supersede the above criteria.
   - Other: _____________________________________________________
5. The Foley Catheter Bundle includes:
   a. Insert using sterile technique.
   b. Hand Hygiene before and after any contact with the Foley Catheter system.
   c. Secure catheter to thigh.
   d. Keep catheter bag below the level of the bladder.
   e. Maintain a sterile, continuously closed system.
   f. Specified criteria for insertion and continuation of a foley catheter.
   g. Peri care daily and after incontinent stool.
6. Nursing shall assure that foley catheter is stabilized with Catheter Strap when necessary.

Date Inserted: __________  Change Date: __________  Foley Size: __________
Day 2 Date: __________  MD notified for order to DC? Yes / No  Reason to Continue Foley: __________
Discontinue foley? Yes / No
Day 4 Date: __________  MD notified for order to DC? Yes / No  Reason to Continue Foley: __________
Discontinue foley? Yes / No
Monitoring

**Purpose:**
- Capture urinary catheter insertions
- Provides means for follow up
- Collects data on compliance with protocol (i.e. urinary catheter criteria)

**ER: Foley Tracking Sheet** - for all urinary catheter insertions

<table>
<thead>
<tr>
<th>Patient Name</th>
<th>MR#</th>
<th>Admit Date</th>
<th>Attending Physician</th>
<th>Primary Diagnosis</th>
<th>Date of Foley Insertion</th>
<th>Foley catheter Sticker Placed on Chart</th>
<th>Does patient meet Foley criteria?</th>
<th>Date Foley D/C</th>
<th>If reinserted, Date</th>
<th>Date Foley D/C</th>
<th>Foley Protocol on chart?</th>
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*Monitoring*
Our Next Challenge...

- Translate process from paper to EMR
  - Physician Order Entry implemented July 2012
  - EMR in ED: Nov 2012
- Implement action plan to reduce unnecessary catheter usage
- Continue monitoring & add number of catheters placed in the ED