Transforming Ambulatory CLABSI Education, Awareness, and Prevention Across an Organization and Beyond

Children’s Hospital & Medical Center- Omaha, NE
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Disclosure

No conflict of interest.
About us:

- Located in Omaha, Nebraska
- 145 Inpatient beds & 50+ Specialty Clinics
- Home Health Company
- 3rd Magnet Designation in 2016
- Hematology/Oncology Clinic:
  - 80-100 diagnoses/year
  - 4.5 FTE RN
  - 10 Providers
  - 1 Patient/Family Educator
  - 1 Clinical Educator
Background:

- Inpatient CLABSI focus
- Participation with CHA Collaborative (CCBDN)
  - 2015 rate= 0.46 per 1000 line days (18 infections)
### Operational Definition

- **Ambulatory CLABSI**

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<tr>
<th>Outpatient</th>
<th>Admit to Hospital (Day 1)</th>
<th>Admit Day 2</th>
<th>Admit Day 3</th>
<th>Discharge from Hospital</th>
<th>Post Discharge Day 2</th>
<th>Outpatient</th>
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Checking In:

• Track ambulatory CLABSIs?
• Report ambulatory CLABSIs?
Impact:

- Cost*
- Sepsis
- Death
- Surgical risks
- Delay in care
- Risk for relapse

*Wong Quiles et al., 2016
Aim:
Decrease rate by 50% within 12 months
Methodology:

Lean Six Sigma: DMAIC

- **Define**: Define the problem.
- **Measure**: Quantify the problem.
- **Analyze**: Identify the cause of the problem.
- **Improve**: Implement and verify the solution.
- **Control**: Maintain the solution.

Picture retrieved from Google Images
Goal #1: Increase staff and patient/caregiver awareness
Communicate Details of CLABSI
Goal #2: Standardize patient/caregiver education
Hands-on Education with Teach-back & 10 Steps to Central Line Flushing
Formalize Re-assessment

• Initial
• 1-3 months
• 6 months on-going
• After an ambulatory CLABSI
Standardize Central Line Education for Patient/Caregivers
Goal #3: Participate in organizational CLABSI initiatives
Representation in CLABSI Workgroups
Quarterly Skills & Team Member Checking
Results:
CLABSI Results: 2015-2017
The future is worth it. All the pain. All the tears. The future is worth the fight.

- Martian Manhunter
Lessons Learned:

• Ensure bundle adherence for staff and patients/caregivers.
• You will need leadership support and front-line staff buy-in.
• Be creative with resources.
• Expand your efforts.
• Celebrate wins!
• Never give up
THANK YOU!

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Reference: