Unplanned ICU Admissions

Beaumont Farmington Hills

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Background

• Site specific PI project for 2017
• Outlier on MTQIP and TQIP Benchmark Reports
• Cohort 4 Blunt single, All ISS, All ages
Barriers

• No Intermediate Care Unit
• High population of elderly traumas
• Many with multiple comorbidities and functionally dependent
Actions Taken

• Reviewed all cases back to 2015 for trends
• Discussed at TOPIC and PIPS
• Physician review of preventable cases
• Exploring elderly guidelines/management
• Reviewing ETOH withdrawal policies
FINDINGS

- Atrial Fibrillation
- Hypoxia
- Chronic medical disease
SOLUTIONS

• Better use of respiratory therapy and high flow O2
• Better use of Rapid Response Team
• ICU Nurse Practitioner now rounds on patient the day after transfer
• Closer look at vitals 24 hours prior to transfer
• Patients converted to oral cardiac meds prior to transfer

5/22/17

Beaumont HEALTH
# Outcomes

<table>
<thead>
<tr>
<th>Time-Period</th>
<th>Date Range</th>
<th>UnadjRate</th>
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<tbody>
<tr>
<td>Dec 2016 Baseline</td>
<td></td>
<td></td>
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<tr>
<td>Apr 2017</td>
<td></td>
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<tr>
<td>Aug 2017</td>
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<tr>
<td>Dec 2017 Final</td>
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- **Numerator/Denominator**
- **Num or DataPts = #Patients**

*Decrease “By” What Percent?*

**Target Decrease “To” UnadjRate**
Moving Forward

- NICHE program
- Continue to work on Step-down proposal
- TCAR classes for RN’s
- Continuing to review each case at daily rounds
- Monitoring trends