1 Problem

Step 1. Define the Problem

What Problem(s)
Reducing bloodstream infections from central line

When Date
Proactive

Where Facility, site
Hospital ICU, Analysis Centers

Task being performed
Inserting Central Venous Catheter (CVC), aka Central Line

Impact to the Goals

<table>
<thead>
<tr>
<th>Goal</th>
<th>Impact Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Safety</td>
<td>Preventable central line-associated bloodstream infections</td>
</tr>
<tr>
<td>Patient Safety</td>
<td>Prevented patient death</td>
</tr>
<tr>
<td>Patient Services</td>
<td>Longer hospitalization stay</td>
</tr>
<tr>
<td>Property</td>
<td>Potential malpractice suits</td>
</tr>
<tr>
<td>Property</td>
<td>Additional cost to treat infection</td>
</tr>
</tbody>
</table>

2 Analysis

Basic Level Cause Map - Start with simple Why questions.

Basic Cause-and-Effect
In this health care scenario, patient safety is the foremost concern. So the most basic Cause Map would show that the Patient Safety Goal is impacted by preventable bloodstream infections, and that those infections come from pathogens introduced by a central line. The next step is to elaborate on how pathogens enter the bloodstream, and then determine what appropriate solutions might be.

More Detailed Cause Map - Add detail as information becomes available.

MULTIPLE STEPS FOR PREVENTION

More Commonly known as Central Line-associated Bloodstream Infections (CLABSI), central line infections are responsible for tens of thousands of deaths each year and billions of added dollars in healthcare costs. However, they are completely preventable. Multiple health organizations, including the CDC, have developed guidelines to prevent infections due to Central Venous Catheters.

CAUSE MAPPING

Problem Solving • Incident Investigation • Root Cause Analysis

Step 1 Problem
What's the problem? Why did it happen? What will be done?

Step 2 Analysis

Step 3 Solutions

For a free copy of our Root Cause Analysis Template in Microsoft Excel, used to create this page, visit our web site.

ThinkReliability
Investigate Problems. Prevent Problems.

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