



Project Name

Maintain the Central Line Associated Blood Stream Infection (CLABSI) rate to be below the National healthcare Safety Network (NHSN) Benchmark in MSICU by November 2018.

Site

Jeddah

Department

Nursing Specialty Service / MSICU

Project Status

Completed

Project Start Date

02-05-2018

Project End Date

11-05-2018

Problem: Why the project was needed?

The National Healthcare Safety Network (NHSN) January to December 2017 CLABSI Benchmark was 1.10 and MSICU was at 2.2 with a total of 10 reported case of Central Line Associated Blood Stream Infections. This high number of CLABSI cases does not go with the organizational strategic goal for ZERO harm and it is not equivalent to best practice.

Benefits/Impact: What is the improvement outcome?

- Contained or reduced costs
- Improved productivity
- Improved work process
- Improved cycle time
- Increased customer satisfaction
- Other (please explain)
Patient Safety

Aims: What will the project achieve?

To have ZERO CLABSI rates in MSICU for year 2018.

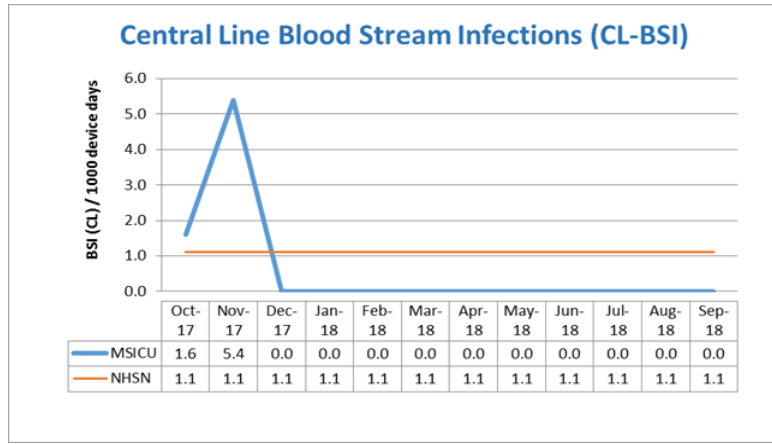
Quality Domain: Which of the domains of healthcare quality does this project support?

Safe

Interventions: Overview of key steps/work completed

- 10 articles were critiqued to find the best evidence based practice related to prevention of CLABSI. Articles were critiqued by MSICU Unit SN 1.
- CVC Insertion & Maintenance Bundle was created and used immediately in paper format. Compliance was measured daily by NC.
- Central line /Arterial line insertion trollies were created and used for all Central Line insertions in MSICU.
- Item Checklist was created for the central line insertion trollies to make sure they are ready for use.
- New item purchase for a Myostand table was done. This is a table used specifically for line insertions with hydraulic paddles to adjust height and full range movable table to.
- Created a CLABSI PI Project board displayed in the unit emphasizing the number of ZERO CLABSI days up to date.
- Femoral Line insertions were restricted to absolute emergency and when Subclavian and Intrajugular sites were not accessible.
- Femoral Central Lines are removed within 24 hours of insertion if not contraindicated.
- All Central lines inserted outside of MSICU/OR are replaced within 24 hours- 48 hours of insertion.
- Ultrasound Guidance is used with every Central Lines insertion.
- Central Venous Catheter (CVC) dressing must be done by two SN1 during the day shift and preferably with the Nurse Clinician present.
- Head Nurse following up with number and necessity of all central lines daily with Charge nurses and Nurse Clinicians at morning handover.
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Results:



Project Lead

Name

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Team Members

Names

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