

Reduce Healthcare Associated Infections by Prevention of Central line related Sepsis.

PROBLEM: Central line-associated bloodstream infection (CLABSI) continues to be one of the most costly hospital-associated infections .Only 60 % of patients receive adequate exposure of Chlorhexidine with drying time of 30 seconds before skin puncture is done prior to CVC insertion, which may increase risk of infection in Operative Theatre room.

AIM: To achieve 100% compliance by 31/5/2016 with incidence of patients receiving adequate exposure time of 30 seconds for chlorhexidine application and allowing it to dry completely before skin puncture is done for the insertion of Central line.

INTERVENTION:

- More awareness spread for compliance to Central line bundle amongst Healthcare workers.
- Root cause analysis of each infection by the QI and Infection control team committee.
- Checklist for prevention of Central line aseptic technique provided as visual aid.
- Education provided by use of posters, reminders, lectures and emails.
- Direct observation and monitoring done to confirm the compliance that the first layer of chlorhexidine is allowed to dry before skin is punctured for central line insertion.

TEAM:

- Dr.Ousama Bilal
- Joycee Kurian
- Aileen Grace Vergara Casale

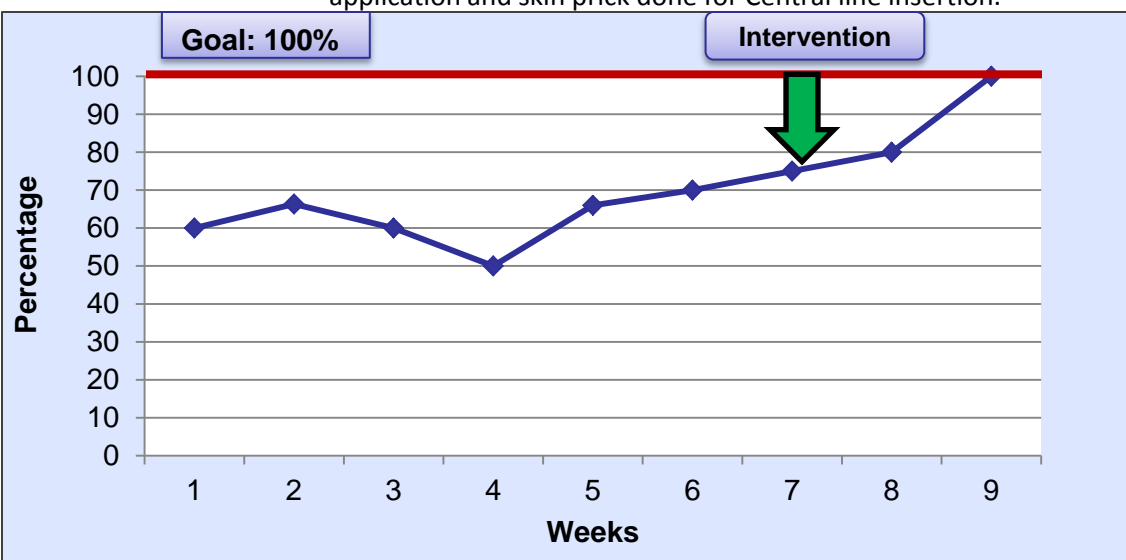
PROJECT SPONSOR:

- Dr. Abdulrasheed Pattath- Senior Consultant and Head of Cardiac anesthesia Department.

COACH

- Dr .Sikandar Aftab
- Mentor Coach**
Ms.Khawla Ahmed Ali Athamneh

RESULTS: Percentage of Compliance for length of time between Chlorhexidine application and skin prick done for Central line insertion.



CONCLUSIONS: The project progressed towards the achievement of its primary objective: to reduce catheter associated blood stream infections in Heart Hospital.

After implementation of action plans, the compliance rate increased from 60% to 100% (achieved the set goal)

- The appropriate areas have been targeted, ongoing education and compliance with the new interventions to sustain the goal are been carried out.
- Long term goal-The effect of this initiative shall positively impact on the organization by reduction of the patient length of stay due to central line infection rates.

NEXT STEPS:

- To maintain 100% compliance by the year 2016.
- Frequent and ongoing re-evaluation of the process by spot checks and Using compliance to Central line Bundle as a Quality indicator.
- Project Publications in Quality journals.