



الجائزة الوطنية
لسلامة المرضى
National Patient
Safety Award



ZERO CENTRAL LINE-ASSOCIATED BLOODSTREAM INFECTION (CLABSI) PERFORMANCE IMPROVEMENT PROJECT



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المركز السعودي
لسلامة المرضى
SAUDI PATIENT
SAFETY CENTER



PROJECT AIM

The project aimed to decrease the number of Central Line-Associated Blood Stream Infection (CLABSI) events from 144, in 2017, to less than 101 (30% decrease) in all hospital units by 31st of December 2019 (After two years) and continue to sustain the CLABSI cases decrease over years until reaching to hopefully Zero CLABSI.

METHODS AND MATERIALS

- Formulate driver diagrams with change ideas to guide the team improvements.
- Formulate Sub-teams that work on the implementation of the selected change ideas.
- Build a scorecard to monitor the progress of the implemented ideas and the outcome of the project.


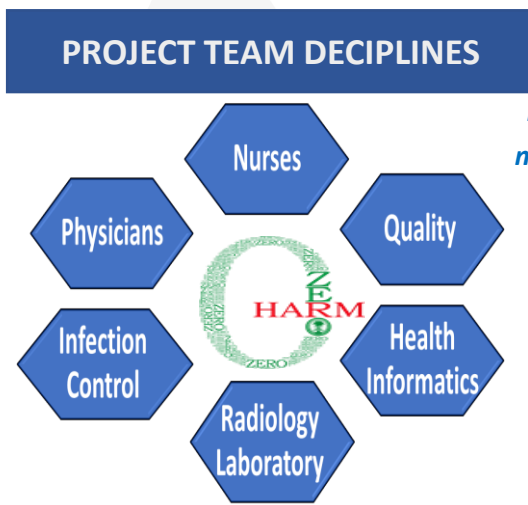
INTERVENTIONS

Introduce physicians' training through simulation



INTERVENTIONS

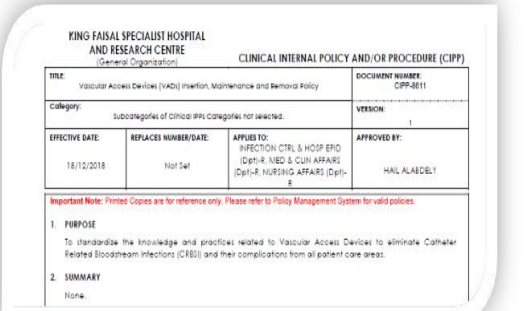
Conduct CLABSI Events Root Cause Analysis (RCA)

INTERVENTIONS

Revise and combine the vascular lines insertion, maintenance and removal policies in one policy

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INTERVENTIONS

Launch Hand Hygiene awareness campaign



OUTCOME

Project Outcomes From 2017 TO 2021

ITEM	OUTCOME
CLABSI Reduction (Reduction of patient harm and suffering)	58 Patient
Reduce The Cost	58 X \$30,919 = \$1,793,302 = SAR 6,738,247
Reduce Length of Stay	58 X 7 days (Longer stay due to CLABSI) = 406 Days = 13.5 Months
Reduction of Excess Mortality due to CLABSI	58 / 0.15 = 8 Lives saved

INTERVENTIONS

Implement lines bundles documentation in the hospital Electronic Medical Record (ICIS)