



Project Name

To reduce and prevent neonatal hospital acquired conjunctivitis (HAC) in NICU

Site

Jeddah

Department

NICU

Project Status

Completed

Project Start Date

03-01-2018

Project End Date

12-30-2018

Problem: Why the project was needed?

In line with the hospital initiative to achieve Zero Harm. The NICU had total of hospital acquired infection rate of 1.9/1000 patient days, reflected in the Infection Control and Hospital Epidemiology annual report of 2017. The HAIs were all related to neonatal hospital acquired conjunctivitis which were 5 cases.

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)
Click or tap here to enter text.

Aims: What will the project achieve?

- A total reduction in the neonatal hospital acquired conjunctivitis (HAC) rate by 50% in the second and third quarter 2018.
- To achieve Zero HAC in the fourth quarter of 2018.

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

Safe

Interventions: Overview of key steps/work completed

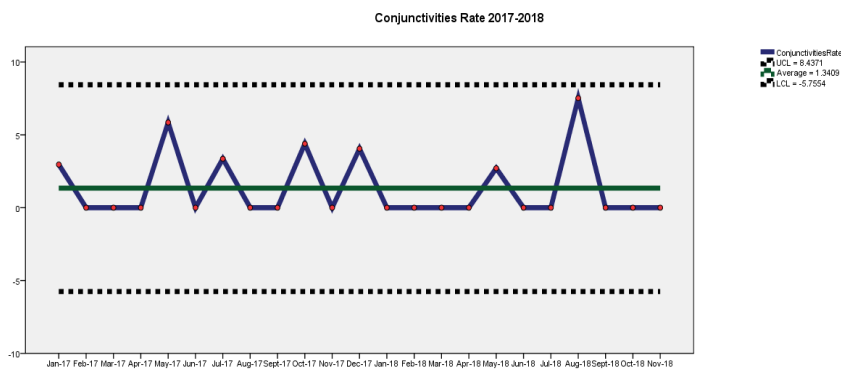
- Collaborative multidisciplinary approach worked on the following:
- I_ Root cause analysis for each positive cases were reviewed , and revealed:
- Time to acquire conjunctivitis from admission was ranging from 7 days as lowest up to 57 days as utmost.
- Incomplete documentation in ICIS: not reflecting the signs and symptoms of eye infection when started.
- Excessive routine care: Eye care done more than once per shift with no documented reason
- Possible noncompliance with hand hygiene practices specific to the 5 moments among health care providers and parents as direct care givers.
- II_ More frequent hand Hygiene practice sessions for all health care team and Parents to comply with 5 moments of hand hygiene.
- III_ The practice of covering the eyes during any respiratory care at bedside was emphasized by Respiratory Therapists and nursing especially during suctioning and extubation
- IV_ To prevent from cross-contamination, Eye drop antibiotics to be instilled in both eyes even if one eye has a positive culture.
- V_ Updated and reviewed IPP NA-J-MCN-P-53 NURSING GUIDELINES FOR NEONATAL AND INFANT EYE CARE

Results:

- 5 Conjunctivitis cases during 2017 reduced to 3 cases in 2018.
- Zero Conjunctivitis in the 4th quarter 2018.

NICU 2017 Conjunctivitis rate and graph from (Infection Control & Hospital Epidemiology)

Month	No. of Conjunctivitis Infections	No. of Patient Days	Rate
Jan-17	1	338	2.96
Feb-17	0	150	0.00
Mar-17	0	121	0.00
Apr-17	0	219	0.00
May-17	1	171	5.85
Jun-17	0	117	0.00
Jul-17	1	298	3.36
Aug-17	0	268	0.00
Sep-17	0	237	0.00
Oct-17	1	228	4.39
Nov-17	0	221	0.00
Dec-17	1	247	4.05
Jan-18	0	214	0.00
Feb-18	0	189	0.00
Mar-18	0	348	0.00
Apr-18	0	354	0.00
May-18	1	369	2.71
Jun-18	0	278	0.00
Jul-18	0	247	0.00
Aug-18	2	266	7.52
Sep-18	0	239	0.00
Oct-18	0	255	0.00
Nov-18	0	219	0.00
Dec-18	0		#DIV/0!



Project Lead

Name

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Team Members

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