Project Name

Optimize efficiency of utilization of antibiotic discs in the microbiology section.

Site	Department
Jeddah	Department of Pathology and Laboratory Medicine

Project Status	Project Start Date	Project End Date
Completed	03-01-2018	05-01-2018

Problem: Why the project was needed?

Presently, 31 (Thirty one) different types of antibiotic discs are used in the microbiology section for susceptibility testing of bacterial isolates. Excess testing panels are causing wastage of discs and Contributing to increased cost of antibiotics discs used in the microbiology section. The total cost of antibiotic discs utilized in the section for 2017 was 281,000 SAR.

Aims: What will the project achieve?

Reduction in the annual cost of antibiotic discs used in the microbiology section (by 30 %) by May 2018.

Benefits/Impact: What is the improvement outcome?

(check all that apply)

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

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

(Select only one)

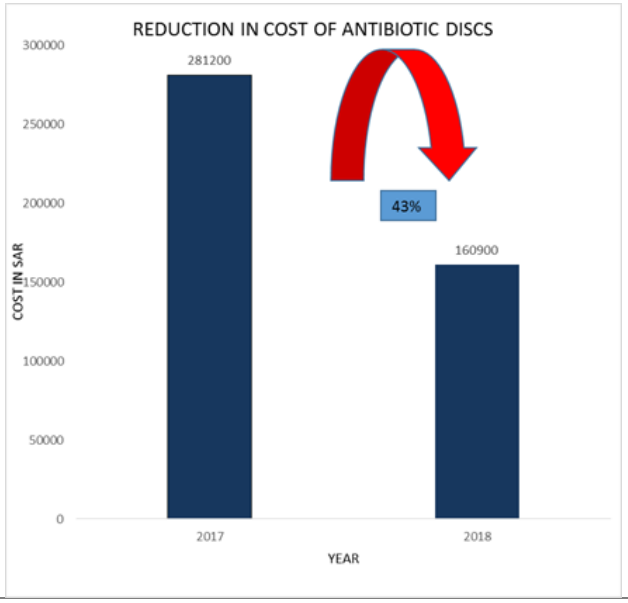
Efficient

Interventions: Overview of key steps/work completed

- Antibiotic disc susceptibility panels which are not reported to physicians were eliminated.
- The microbiology quality control plan for antibiotic discs were revised to excludes excess /unwanted testing panels which results in excess consumption of the discs As per the current quality control plan, quality control for majority of panels were moved to each day of patient testing from a routine weekly testing.
- As per Clinical and Laboratory Standards Institute (CLSI) - 2017 guidelines obsolete antibiotics were removed from testing and reporting.

Results: Insert relevant graphs and charts to illustrate improvement pre and post project

(insert relevant graphs, data, charts, etc.)



Project Lead	Team Members
Name *(person accountable for project)* Anupama Vattappillil	**Names** *(persons involved in project)* Nour Al Attas (QM Facilitator) Prasanth Govindan Sarfinaz Hanbazaza Dr. Mohammed Qutub