2017 Performance Improvement Report

STRATEGIC PRIORITY

3. Improve efficiency and decision-making

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| **Project Name** | | | |
| Preventive Maintenance Optimization (PMO) | | | |
| **Site** | | **Department** | |
| Riyadh | | Clinical Engineering Department | |
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| **Project Status** | **Project Start Date** | | **Project End Date** |
| Completed | 01-01-2017 | | 12-31-2017 |

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| **Problem:** Why the project was needed?  Preventive Maintenance Optimization (PMO) is a structured process concerned with finding a proper way to optimize the maintenance activities through identification of the equipment risk factors, patient’s and user’s safety, maintenance requirement and evident based failures rate. The implementation of PMO will contribute to avoid random malfunction of medical equipment by refine maintenance tasks and intervals. Which will lead to better utilization of resources and improve effectiveness and efficiency of equipment maintenance strategy in line with maintaining the reliability and availability of the KFSH medical equipment. | **Aims:** What will the project achieve?  To optimize Preventive Maintenance (PM) process efficiently by eliminating non-value added steps as per evidence-based maintenance history; this has been achieved through reduction of PM hours done by at least 15% from 2016 before the end of 2017 |
| **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)  Click or tap here to enter text. | **Quality Domain:** Which of the domains of healthcare quality does this project support?  *(Select only one)*  **Efficient** |

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| |  |  | | --- | --- | | **Measures:** Performance metrics to be evaluated | **Targets:** Expected outcomes | | PM Hours done (number) | 15% Reduction from 2016 | |
| **Interventions:** Overview of key steps/work completed   * Classify Medical Equipment based on the 5 risk group and service years * Revise Existing PM procedures, time, intervals and maintenance history * Screen equipment subjected for Removal from PM schedules. * Optimize Remaining PM equipment schedules and procedures |
| **Results:** Insert relevant graphs and charts to illustrate improvement pre and post project  *(insert relevant graphs, data, charts, etc.)*  As an immediate outcome CE refocuses 15% of PM total time gained from new PM interval which will be used to enhance the quality of the PMs through the new PM procedures and proper time to complete those procedures. In summary this has:   * Reduced 15% of PM workloads * Refocused resources towards failure prevention maintenance activities. * Reduced the ambiguity of maintenance tasks that are not clearly written.   PM Hours reduction of 19% |

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| **Project Lead** | **Team Members** |
| **Name**  *(person accountable for project)* | **Names**  *(persons involved in project)* |
| Usama Hassan, Senior Clinical Engineer | Suliman Al Sadoun, Chief Clinical Engineer  Waleed Abu Haimid, Chief Clinical Engineer  Yousri Okasha, Senior Clinical Engineer  Mohammad Jazzar, Senior Clinical Engineer  Suliman Hezien, Senior Clinical Engineer  Amr Maqsoud, Senior Clinical Engineer  Faraz Aziz, Senior Clinical Engineer  Sultan Al Mashaan, |
|  | Senior Clinical Engineer |