



Strategic Priority: **SPI- Medical, Research, Academic Research**

Project Name

Enhancing cardiac catheterization and electrophysiology reports

Site

Riyadh

Department

Cardiac Cath Lab (Invasive)

Project Status

Completed

Project Start Date

05-01-2018

Project End Date

11-22-2018

Problem: Why the project was needed?

This project was selected to standardize our reporting system to include pediatric and electrophysiology patients. Also, to post-procedurally alert the Cardiologist should a 10-14 day follow up be required for patients receiving high radiation doses in the Cath-lab. In addition to enhance compliance with accrediting body's reporting structure.

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)
 - Improved patient safety
 - Increased radiation dose awareness
 - Improved feedback of radiation dose received to plan for follow-up if required
 - Improved handover data between facilities and services

Aims: What will the project achieve?

To increase the percentage of catheterization reports containing radiation data for both pediatric and electrophysiology patients from 0% to 100% by June 30, 2018 and sustain indefinitely

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

(Select only one)

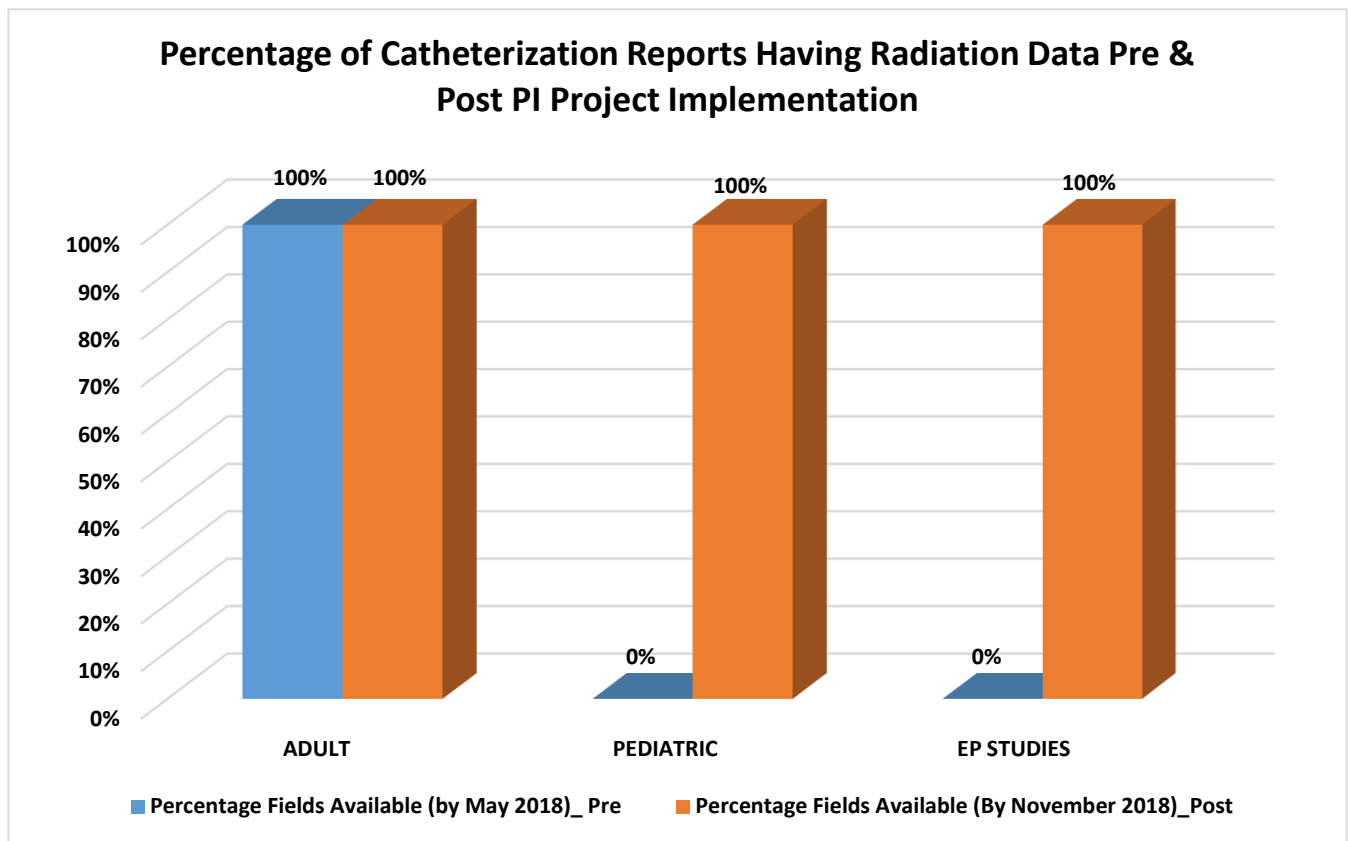
Safe

Measures: Performance metrics to be evaluated	Targets: Expected outcomes
Inclusion of radiation data fields in the report <ul style="list-style-type: none"> 1.1. Fluoroscopy time (minutes) 1.2. Estimated Air Kerma (Gy) 1.3. Dose Area Product (mGycm²) 	100% increase from baseline (0%)

Interventions: Overview of key steps/work completed

- Formulate a template of patient information to be included on all catheterization reports.
- Discuss with all stakeholders including Adult Cardiology, Pediatric Cardiology and Electrophysiology.
- Issue a memorandum stating intent and requesting the support of HITA.
- Present accepted template to HITA support team for implementation.
- Run reports.

Results: Insert relevant graphs and charts to illustrate improvement pre and post project
(insert relevant graphs, data, charts, etc.)



➤ Phase II will monitor the compliance of filling the fields.

Project Lead

Name

(person accountable for project)

Abdulkareem Al Humaidan, Manager, Cardiac Cath Lab (Invasive)

Team Members

Names

(persons involved in project)

Keith Barron, QA Coordinator Heart Centre
 Abdulrazaq AlEnazi, Senior Health Informatics Analyst
 Bandar AlGhamdi, Section Head, Electrophysiology
 Abdullah Al Sehly, Section Head, Pediatric Cardiology