

## **Project Title**

CARE Report: Enhancing Patient and Process Outcomes using Programming

## **Project Lead and Members**

Project lead: Muhammad Alif Bin Abu Bakar

Project members: Fadzlynn Binti Mohamad Fadzully, Derlinder Kaur, Brandon Feng

Guoqiang, Lim Ying Xian

## **Organisation(s) Involved**

KK Women's and Children's Hospital

## **Healthcare Family Group(s) Involved in this Project**

Medical, Allied Health,

## **Applicable Specialty or Discipline**

Cardiology, Medical & Laboratory Technology

## **Project Period**

Start date: not indicated

Completed date: not indicated

## **Aims**

The aim of this project was to streamline processes by automating mundane tasks, replacing manual calculations data entry and reducing the number of steps within the workflow to generate a CPET report.

During the development of the CA.R.E. Report, the team visited other centres that runs CPET (for adults). The aim was to learn and understand more from the other practitioners. This allowed the team to gain further knowledge to develop a better and an updated method of reporting.

## **Background**

The extensive time required to generate a single CPET report (5 hours), significantly impacted the weekly throughput of tests conducted. Consequently, waiting time for both new and follow-up cases were about four months. More manpower hours were allocated to run CPET, reducing resources for existing and possibly new clinical services.

## **Methods**

See poster appended/below

## **Results**

See poster appended/below

## **Conclusion**

See poster appended/below

## **Project Category**

Care & Process Redesign

Quality Improvement, Access to Care, Productivity, Design Thinking, Job Effectiveness, Turnaround Time, Manhour Saving

## **Keywords**

CPET report, Automation, Raw Data, Slope Graphs, Clinical Exercise Physiologist, Efficiency, Technology, Turnaround Time,

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