

Project Title

Streamlining Renal Dialysis Centre Operations

Project Lead and Members

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Organisation(s) Involved

Singapore General Hospital

Healthcare Family Group(s) Involved in this Project

Nursing, Healthcare Administration

Applicable Specialty or Discipline

Operation, Nephrology, Office of Safety Network

Aims

To streamline renal dialysis centre's operations

Background

See poster appended/below

Methods

See poster appended/below

Results

See poster appended/ below

Conclusion



CHI Learning & Development (CHILD) System

See poster appended/ below

Project Category

Care & Process Redesign

Quality Improvement, Workflow Redesign, Lean Methodology, Value Based Care, Productivity

Keywords

Haemodialysis, Value Stream Mapping, Ergonomic

Name and Email of Project Contact Person(s)

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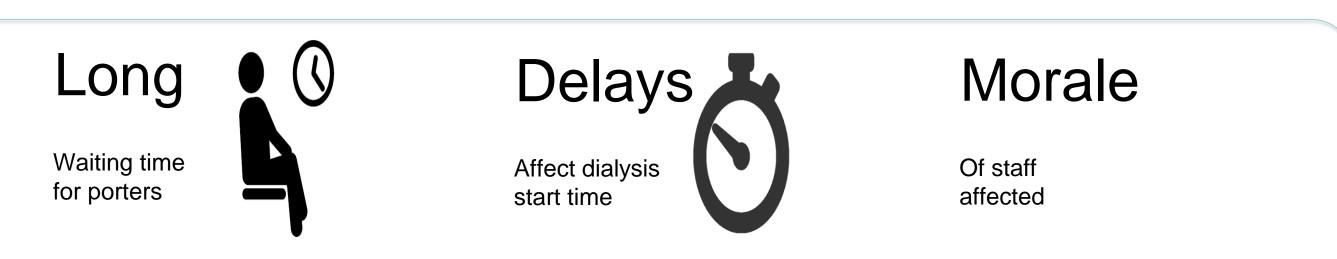
Liang Wenqian, Nursing Division, Singapore General Hospital Quek Hwee Koon Susan, Nursing Division, Singapore General Hospital Kan Foong Ming, Nursing Division, Singapore General Hospital Asyura bte Adnan, Nursing Division, Singapore General Hospital Cassandra Elaine Celetaria, Nursing Division, Singapore General Hospital Grace Loh Pei Hsia, Nursing Division, Singapore General Hospital Lew Sing Hui Veronica, Nursing Division, Singapore General Hospital Ong Jie Yi, Division of Operation, Singapore General Hospital Lee Wan Pin, Division of Operation, Singapore General Hospital Tay Hui Erh, Division of Operation, Singapore General Hospital Md Lutif bin Md Yusuf, Division of Operation, Singapore General Hospital Christian Kim Sison Patwaran, Division of Operation, Singapore General Hospital Estee Chan, Division of OPM, Singapore General Hospital Sng Ei Leen, Division of OPM, Singapore General Hospital Ryan Koh, Division of OPM, Singapore General Hospital Mohd Farhan, Division of OPM, Singapore General Hospital Kam Wai Kuen,, Safety network, Singapore General Hospital Mohd Fahmy bin Abdul Kader, Safety Network, Singapore General Hospital

Streamlining Renal Dialysis Center Operations

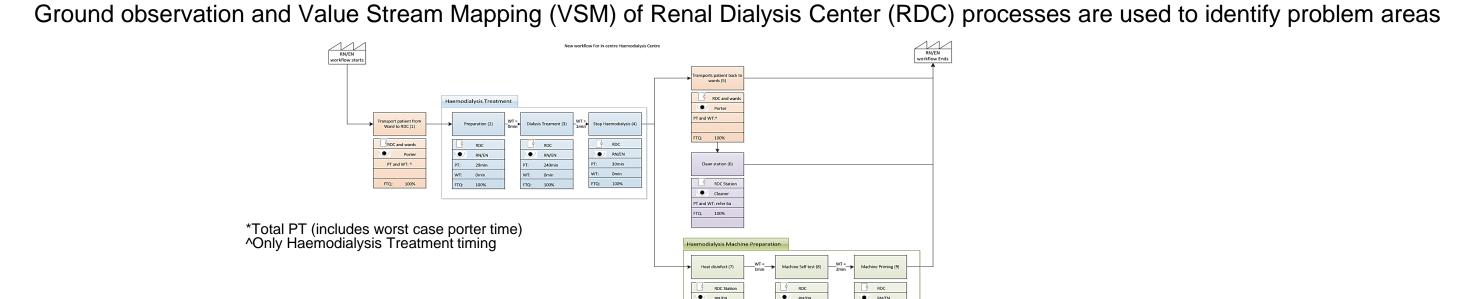
Renal Dialysis Centre (RDC) provides Hemodialysis (HD) treatment for patients admitted to Singapore General Hospital. Dialysis treatments are provided as both In-center and Out-center services. For In-center service, RDC operates 20 dialysis stations on full-time six days per week, and part-time for emergency care on Sunday. For patients who are suffering from severe shock, trauma, post cardiac and vascular surgery, or hospitalized at intensive care units (ICUs), ICAs and Isolation Wards, out-centre dialysis is provided at the patient's bedside.

Workflow Streamlining Renal Dialysis Center Operation After 4 hrs Porter informs Patient Service Porter bring patients Porter bring dialysis Nurses starts back to ward Associates (PSA) that patient dialysis for patients patients to RDC has arrived. Porter brings to dialysis stations

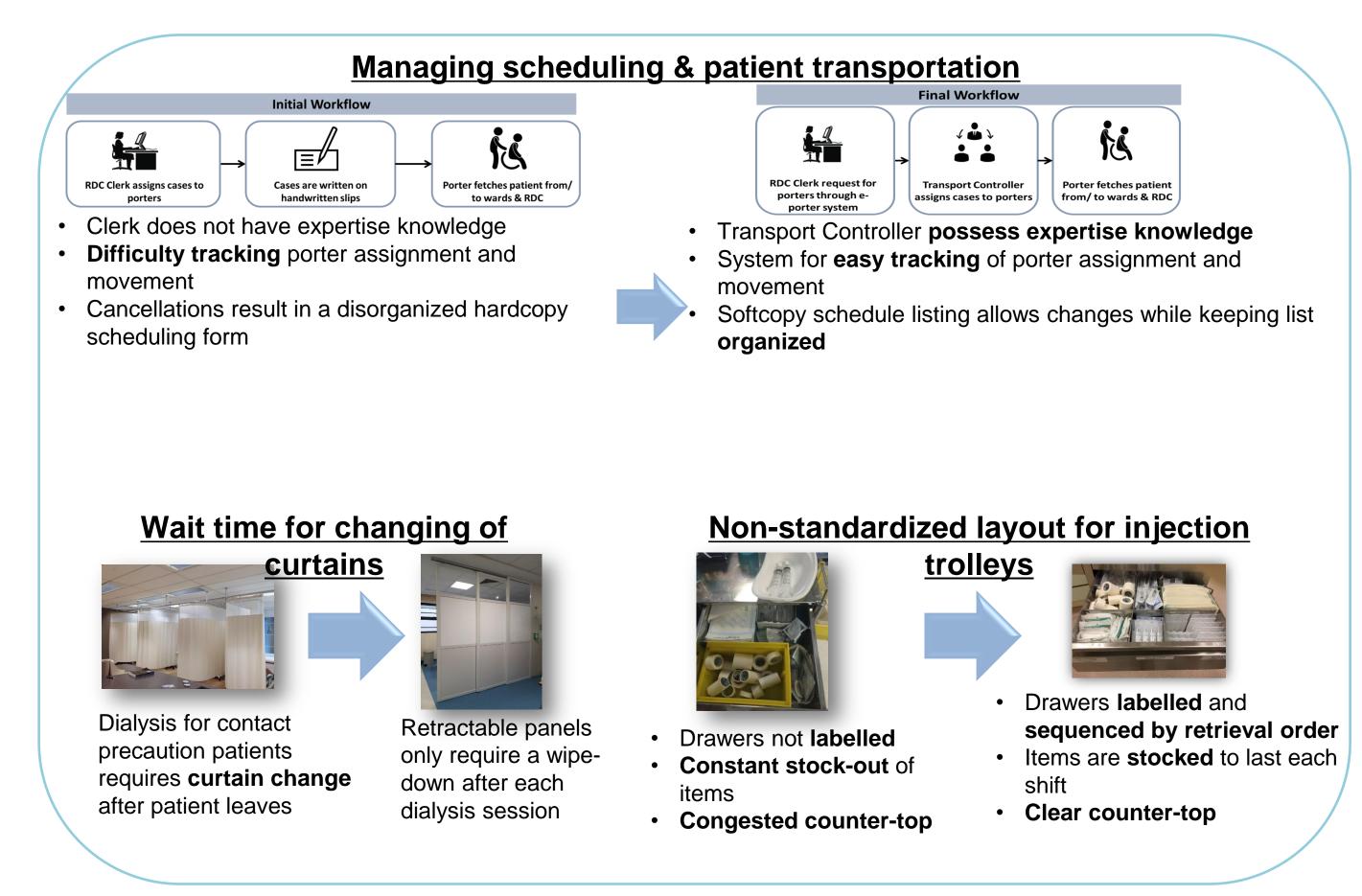
Problem



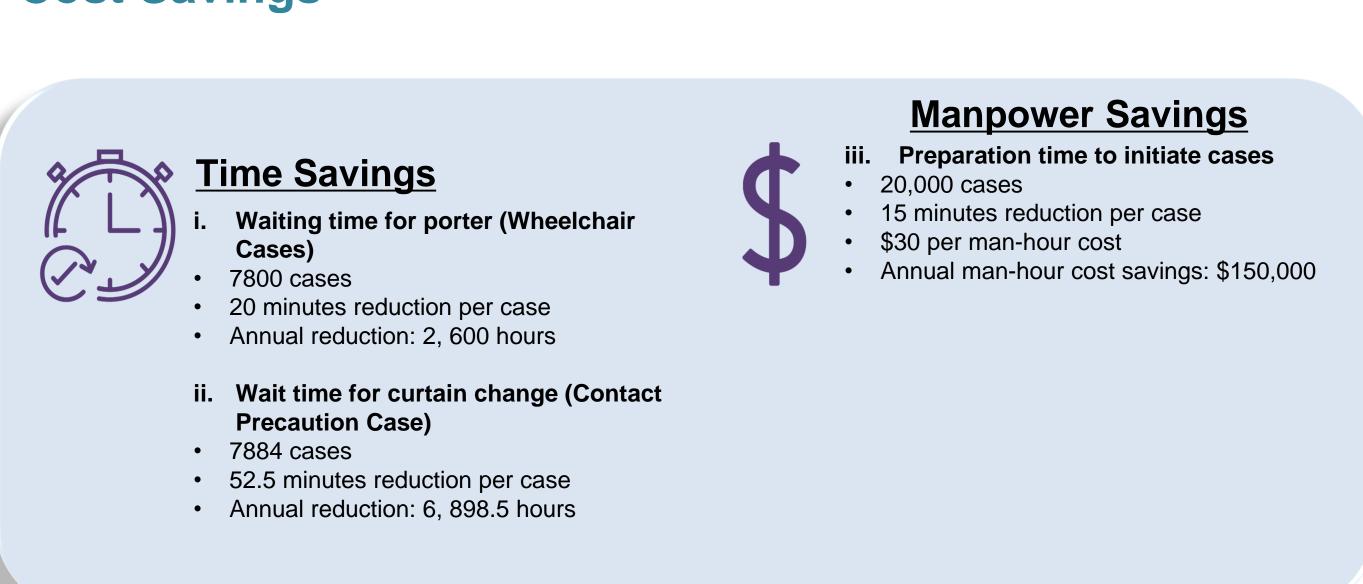
Methodology



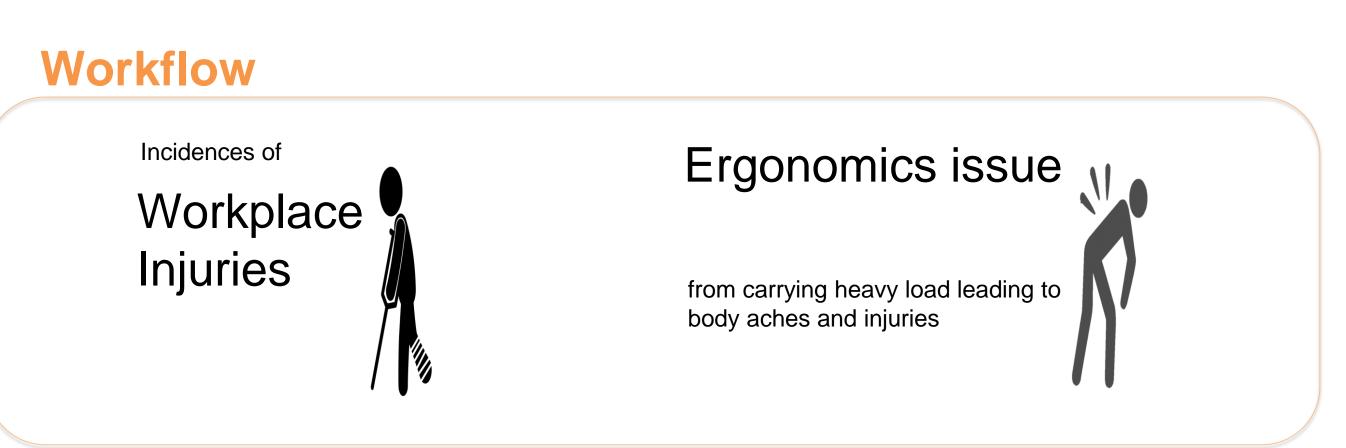
Findings & Solutions



Cost Savings



Out-Centre







Methodology

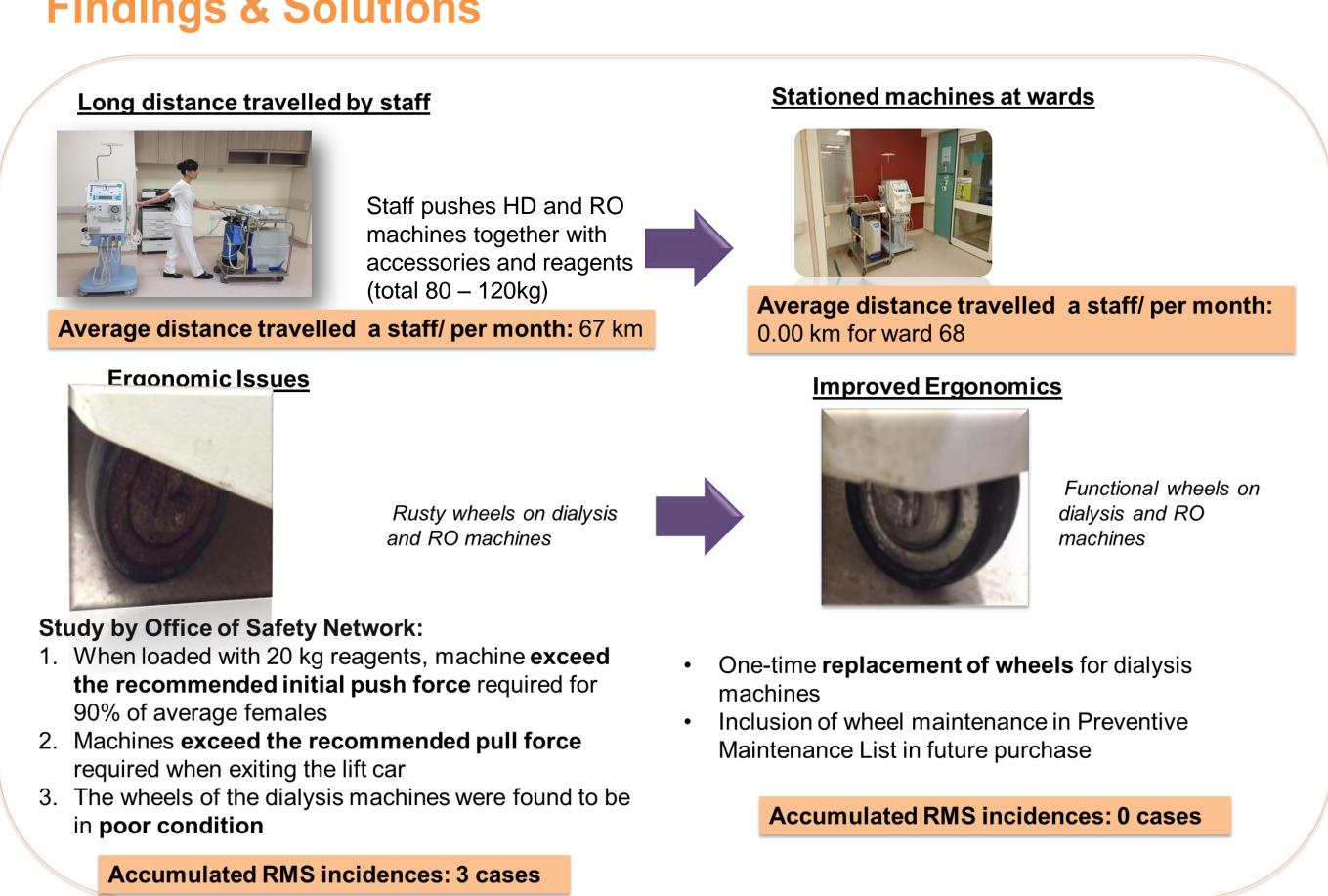
(1) Distance travelled by nurse from RDC to wards was mapped and calculated. (2) Ergonomics study by Office of Safety Network



Findings & Solutions

ravel time : Excludes takeover cases – cases will require staff to push machines up to wards. Doesn't include the number of machine pushed

Distance are approximate. Includes travel to and from wards



Cost Savings

