# **STREAMLINING PROCEDURE** PREPARATION IN THE CTICU

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## BACKGROUND

In the CTICU, an average of 136 emergency, urgent and elective procedures are done yearly and one issue that is constantly brought up during debriefing sessions is the delay to procedures. Based on research in cardiac intensive care units, cardiac arrest occurs in about 3-4% of patients and only 17% of them survive till discharge. However, once a higher level intervention is rendered in time, it has been associated with a survival to discharge of 57.14%.



### **PROJECT AIMS**

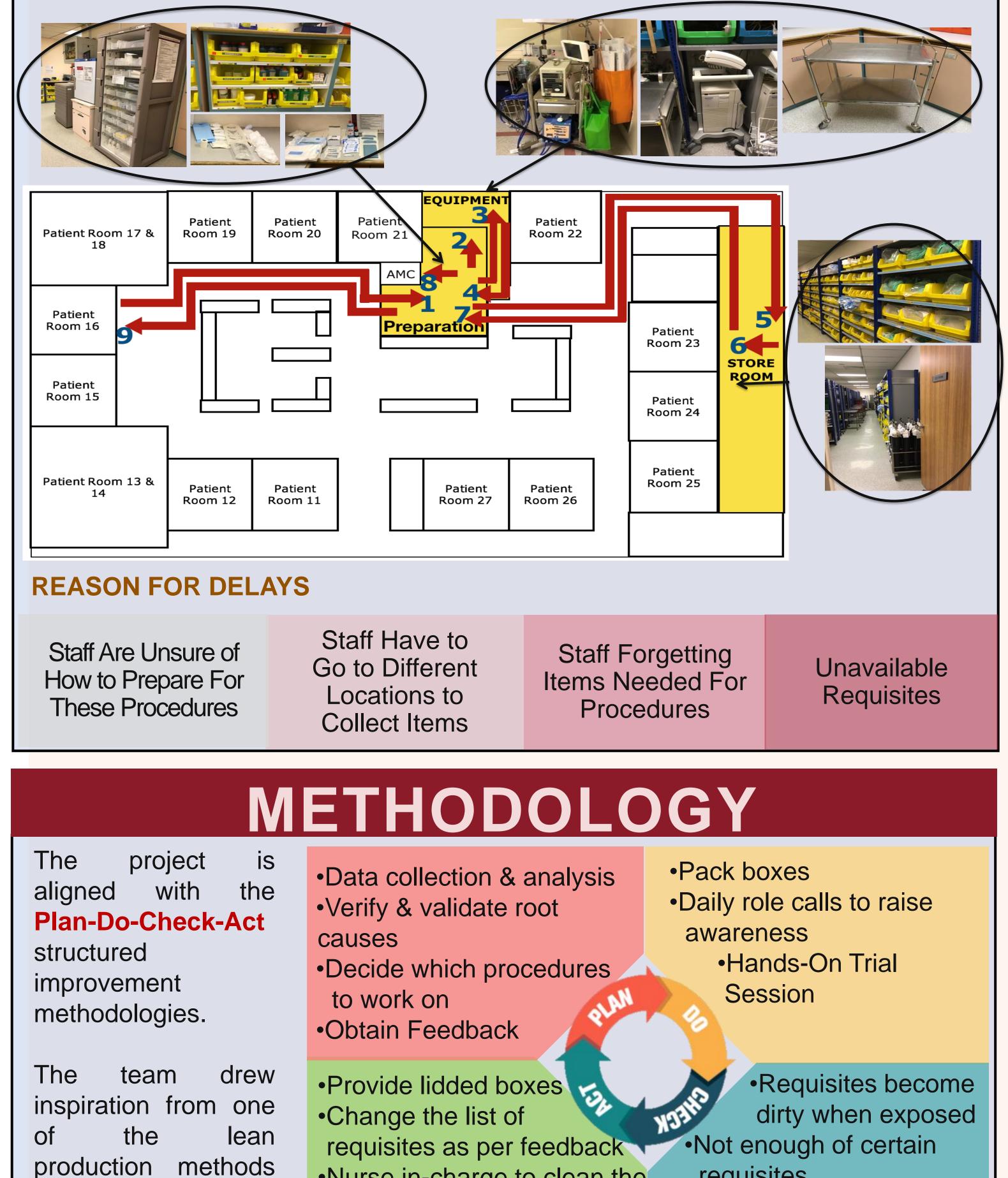
- **Reduce procedure preparation time**
- Reduce the number of times nurses return to

Thus, time is of the essence in rendering any intervention to the patients

the preparation room to 1 and below

### **PRE-IMPLEMENTATION**

#### **CURRENT PROCEDURE PREPARATION WORKFLOW**



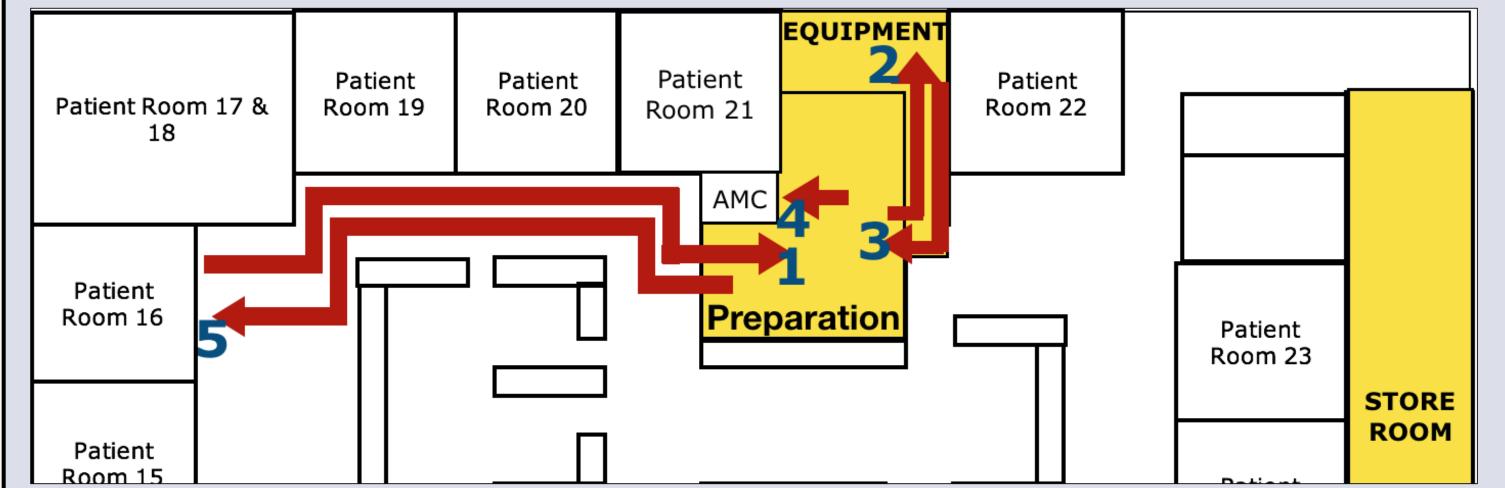
## SOLUTIONS

#### **REQUISITE BOXES**





#### **New Improved Workflow Process**



#### **Sustainability**

•Nurse In-Charge Will Check the Requisites Weekly •Nurse Will Replenish After Use

Incorporate Into Orientation Program for New Nurses

### RESULTS

#### **TANGIBLE RESULTS**



**NO. OF PROCESS STEPS REDUCE FROM 9 TO 5** 

**10 HRS 39 MINS 1 S OF LIFE-SAVING TIME** 

#### **Staff Morale Enhanced**

Reduce Stress and Anxiety

Requisito **Dovoc** 

Singapore General Hospital

**Exchange of Dies.** 

for reducing waste,

the

Single Minute

requisites as per feedback Nurse in-charge to clean the boxes weekly

**PLAN-DO-CHECK-ACT** 

requisites •Requisites may get contaminated

**NO. OF TIMES STAFF FORGOT REQUISITES** < 1

### **INTANGIBLE RESULTS**

Patient Safety

- Increase Survivability
- **Avoid Severe Consequences**

were chose taken to	n as time obtain	BEFORE SMED	CHANGEOVER					<ul> <li>Avoid</li> <li>Redu</li> <li>Mem</li> </ul>
requisites is shifted <b>externally</b> , away		SEPARATE	CHANGEOVER			EXTERNAL	• Main	
from the initiation pe	riod. This	CONVERT	CHANGEOVER		REMOVED	EXTERNAL		
is done packing an procedure r	•	STREAMLINE	CHANGEOVER	STREAMLINED	REMOVED	EXTERNAL		With the assured.
procedure i	equisites.		SINGLE MINUTE EXCHANGE OF DIE					at the bec

- luce Stressors to Family nbers
- ntain Quality of Life
- New Staff Are Less Confused
- Reduction in Conflicts Between Nurses & Doctors



harmonizing of the workflow process, patients' safety and care is The amount of time reduced allows for more time spent with patients edside, therefore improving patient safety as well as satisfaction.



PATIENTS. AT THE HE RT OF ALL WE DO.

