

**Project Title**

BATTLE: BArcoding idenTification for sTerilized medicaL instrumEnts

**Project Lead and Members**

Project Lead(s): June Tan

Project Members: Cindy Goh, Ng Lay Peng

**Organisation(s) Involved**

Singhealth Polyclinics

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

Nursing

**Applicable Specialty or Discipline**

Podiatry

**Project Period**

Start date: Aug 2019

Completed date: Dec 2021

**Aim(s)**

Barcoding of sterilised instruments and tagging to patients in the event of a recall.

**Background**

See poster appended/ below

**Methods**

See poster appended/ below

**Results**

See poster appended/ below

### **Lessons Learnt**

See poster appended/ below

### **Conclusion**

See poster appended/ below

### **Additional Information**

See poster appended/ below

### **Project Category**

Care & Process Redesign, Value Based Care, Job Effectiveness, Productivity, Cost Saving, Operational Management, Inventory Management

### **Keywords**

Sterilization, Instruments, Barcoding, Tagging, Patient Recall, Handheld Scanner

### **Name and Email of Project Contact Person(s)**

Name: June Tan

Email: June.tan.s.m@singhealth.com.sg



## BATTLE: BArcoding idenTification for sTerilized medical\_instrumEnts

**AD June Tan, Snr Executive Cindy Goh, NM Ng Lay Peng, CN Stephanie Teo - SingHealth Polyclinics.**

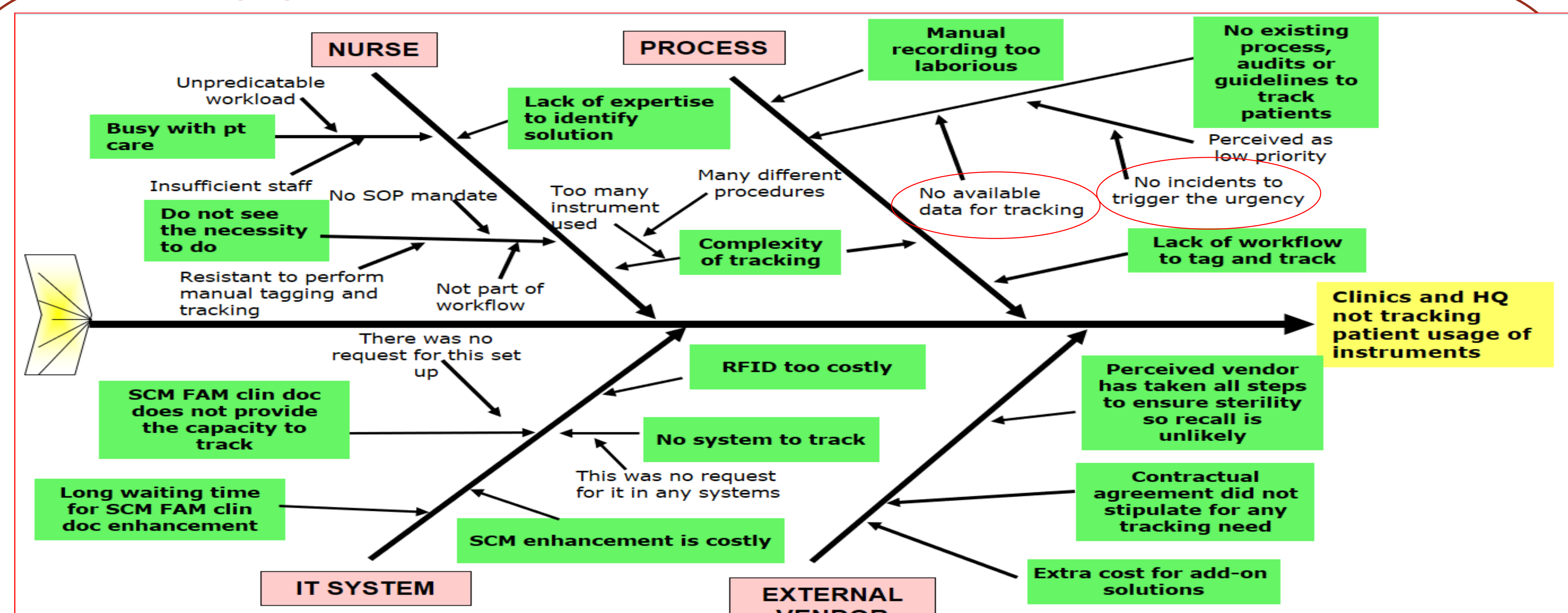
## BACKGROUND

SHP uses sterilization services from external vendors. Recall of failed batch of sterilized instruments is established, however we did not have an existing system to identify the specific instruments used by patients.

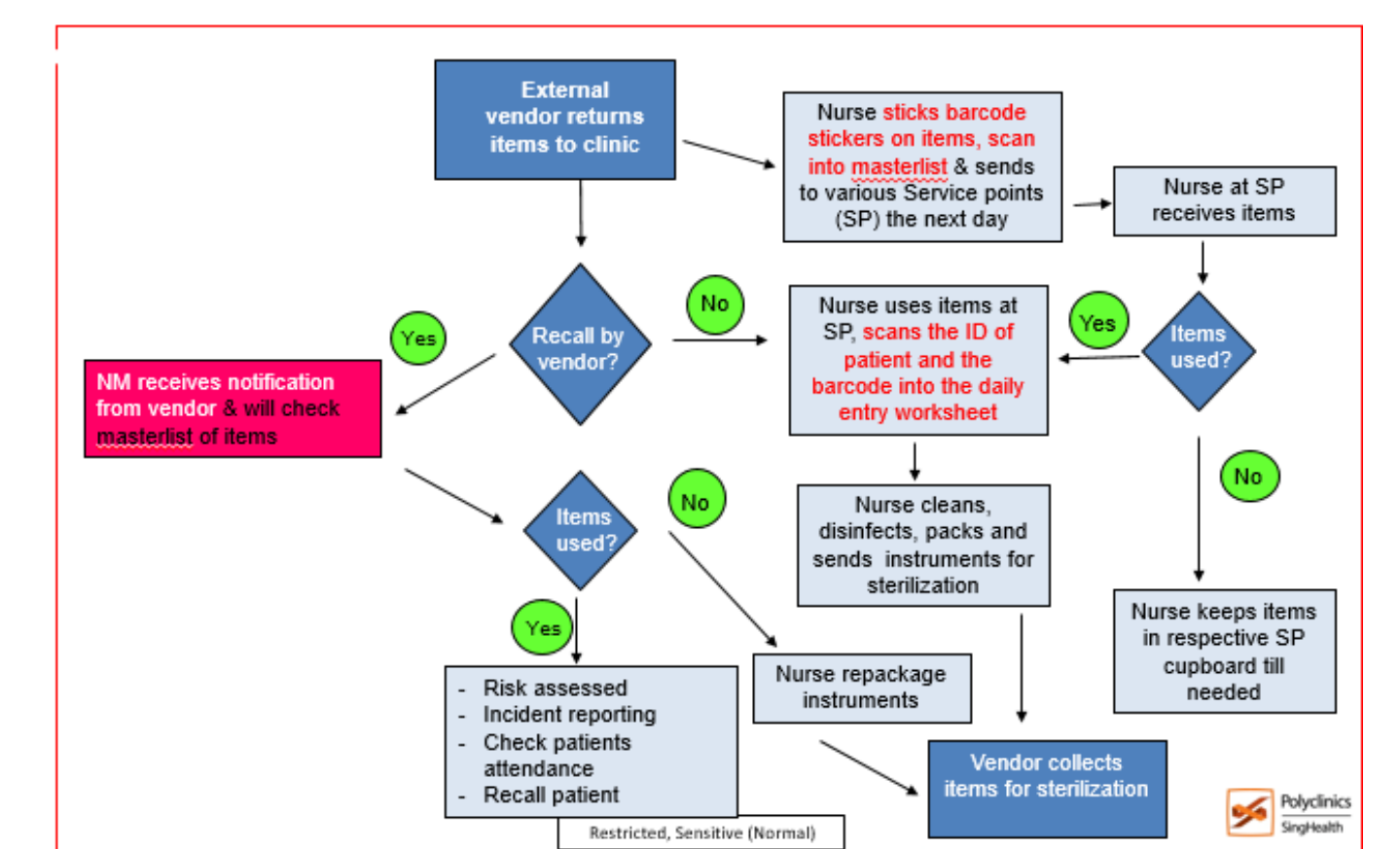
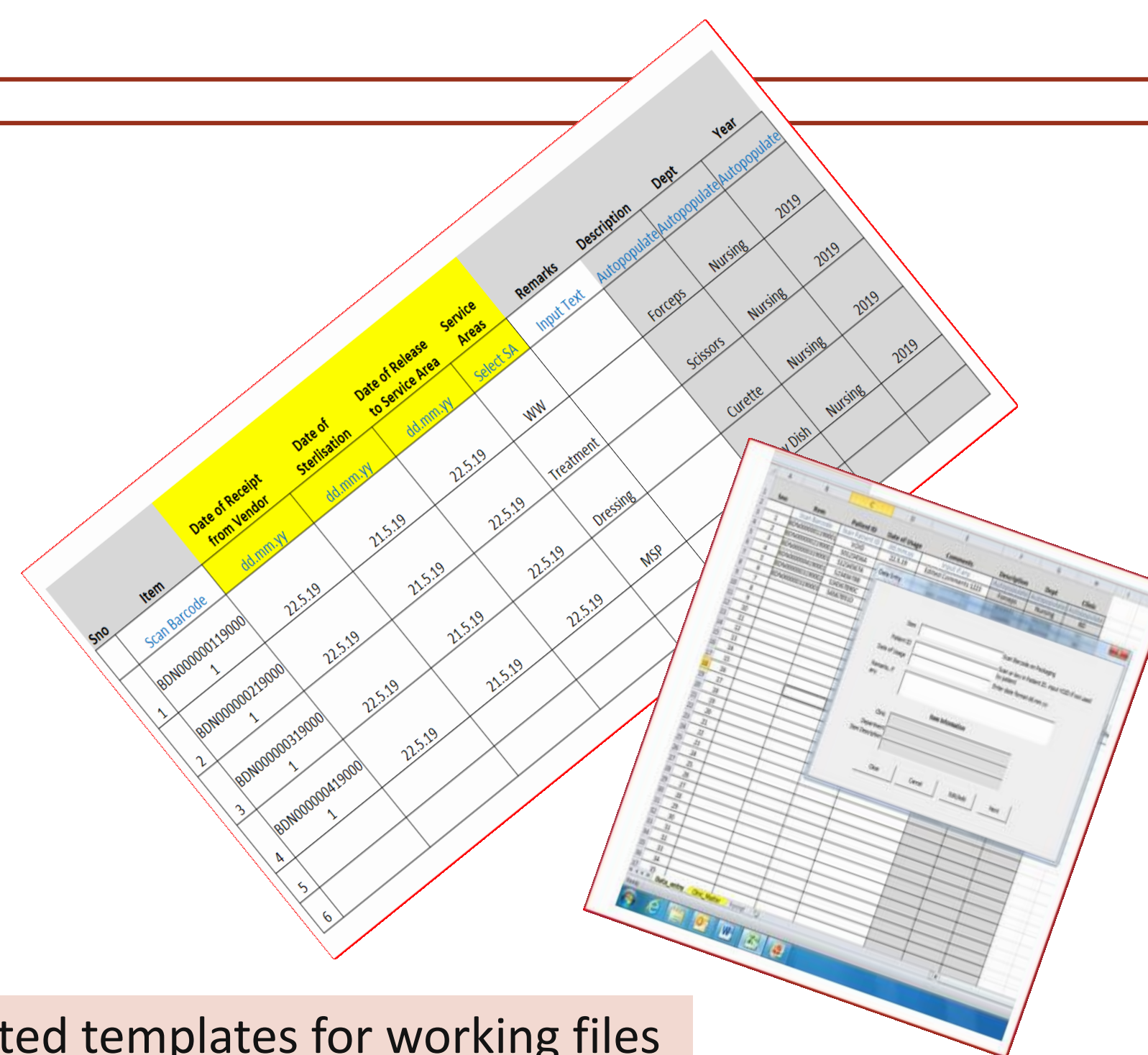
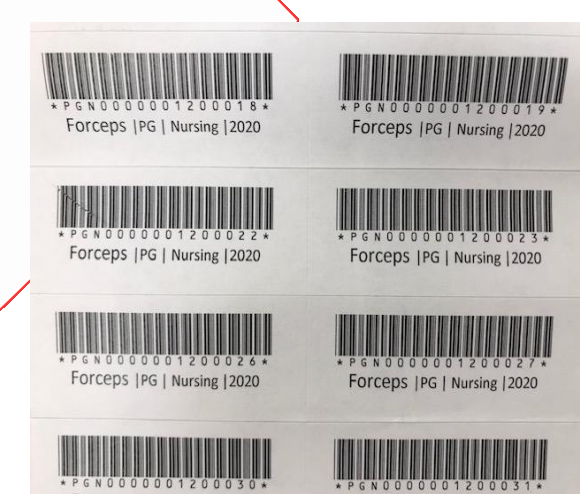
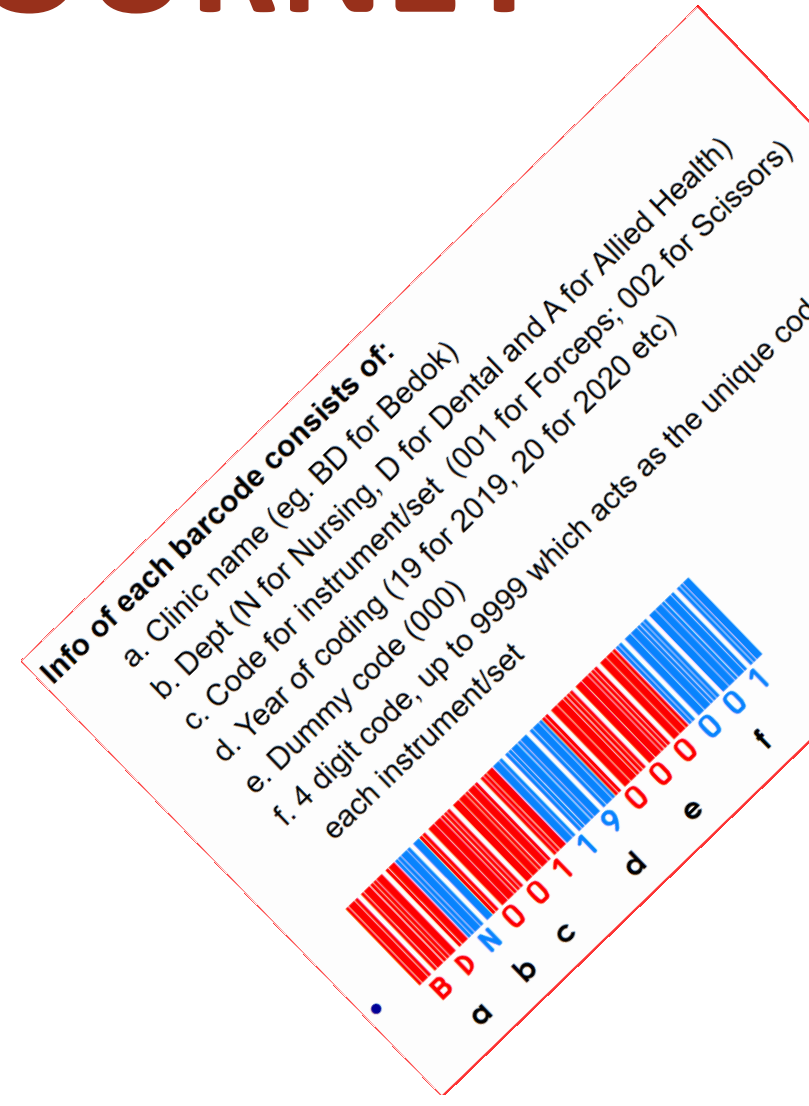
## PROJECT AIM

- To identify patients who use our instruments in SHP
- To be able to recall these patients who may be affected by a bad batch of sterilization.

## ANALYSIS



## INTERVENTION JOURNEY



## Explored & Voted Ideas

Developed Barcode

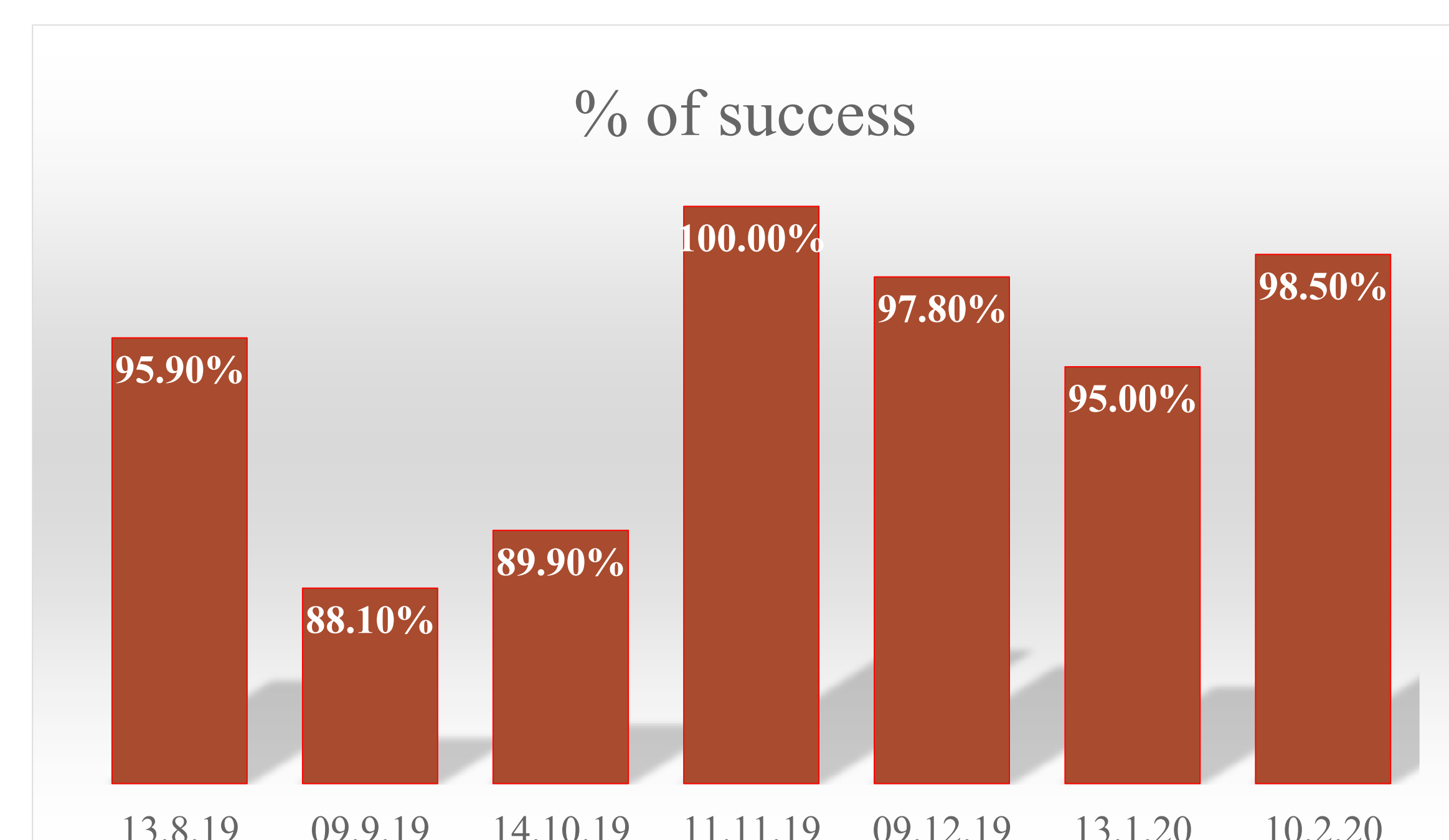
Created templates for working files

Fine tune the new process

## RESULTS

Recall audits for sterilization were done at Bukit Merah Polyclinic over a period of 6 months till Feb 2020.. Success rate was 88.1% - 100%

Month	Total Items	Missing Data	%success
13.8.19	49	2	95.9%
09.9.19	59	7	88.1%
14.10.19	79	8	89.9%
11.11.19	68	0	100.0%
09.12.19	46	1	97.8%
13.1.20	40	2	95.0%
10.2.20	68	1	98.5%



## SUCCESS STORY

This project was done very meaningfully because the results could be replicated in Podiatry as well. By doing this project, we are able to a process in place to recall our patients in case of a bad batch of sterilization. This project was well executed well because there was a good buy-in by the staff of the clinics.