

Project Title

BATTLE: BArcoding iden**Ti**fication for s**T**erilized medica**L** instrum**E**nts

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)

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Battle: BArcoding idenTification for sTerilized medical instrumEnts

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

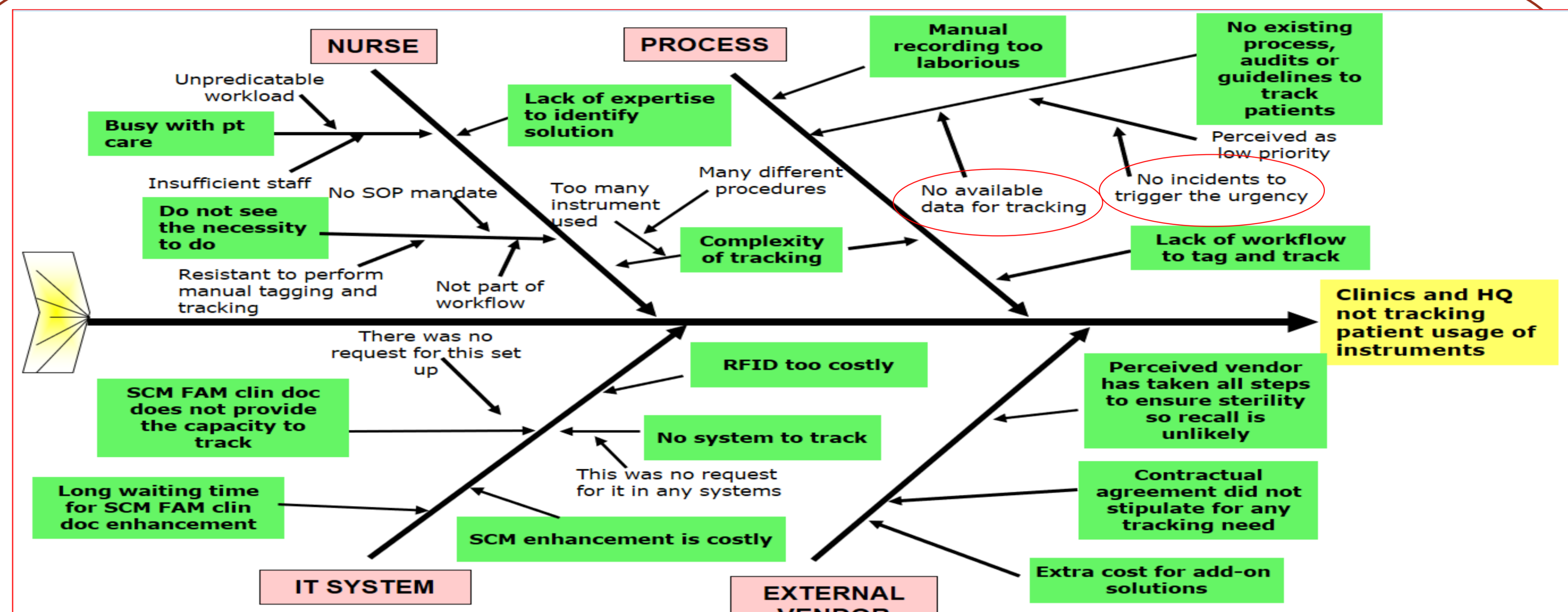
BACKGROUND

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

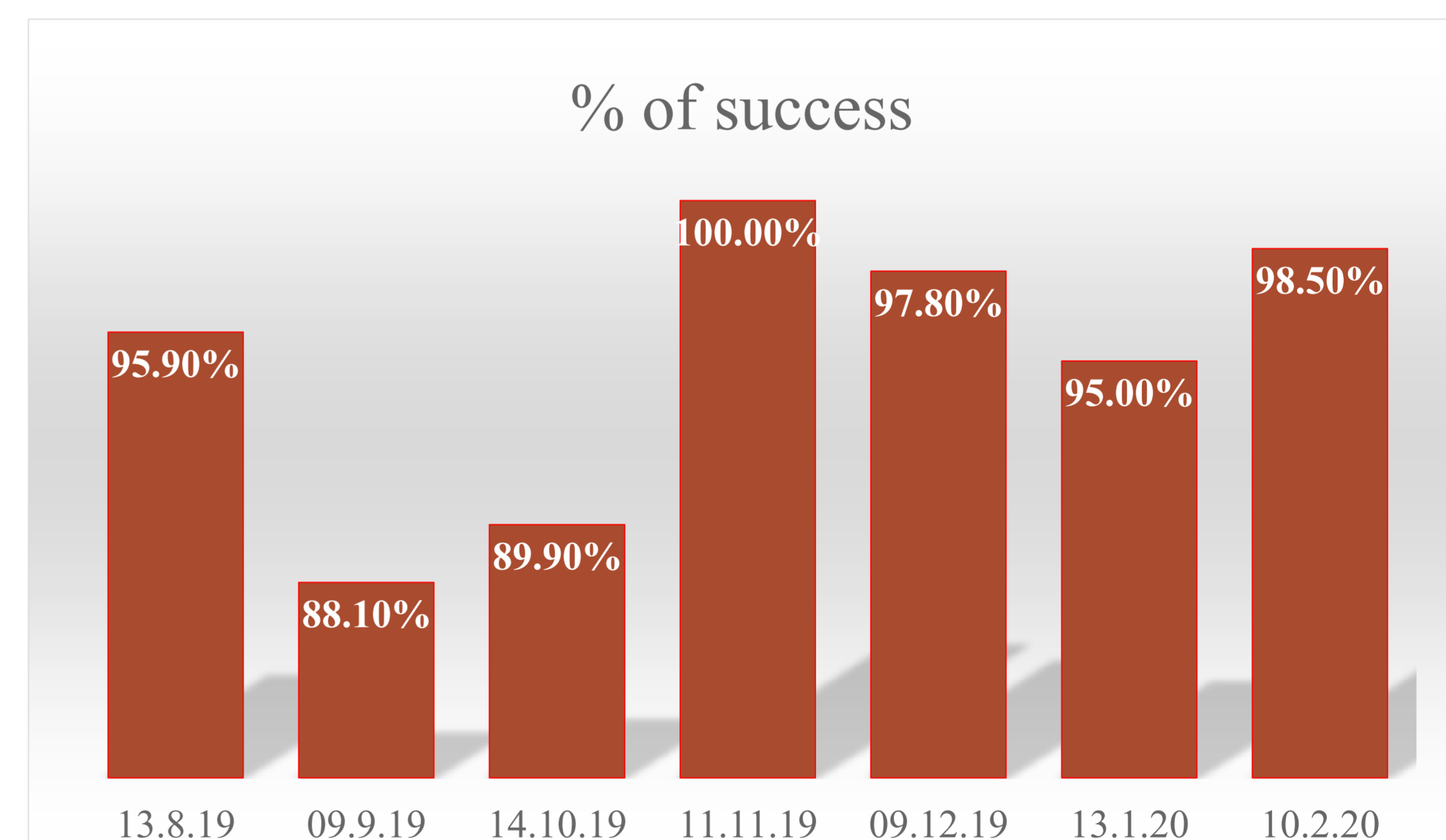
Created templates for working files

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.