CHI Learning & Development (CHILD) System



Project Title

Breast Services One Stop Shop Quality Improvement Project

Project Lead and Members

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Project members: A/Prof Phillip Iau, Dr Bernard Wee, Dr Daniel Chee, Evelyn Low,

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Organisation(s) Involved

Ng Teng Fong General Hospital

Healthcare Family Group Involved in this Project

Medical, Nursing, Allied Health

Applicable Specialty or Discipline

Breast Surgery, Radiology

Aims

The Breast Surgical and Radiology services wish to achieve a One-stop shop model of care for all patients attending Breast Clinic, NTFGH from <u>under 70% to 80% within 6</u> weeks of commencement of intervention on 7 October 2019, because we want to create a patient-centric cost effective approach of assessing breast referrals at NTFGH.

Background

See poster appended/below

Methods

See poster appended/below





Results

See poster appended/ below

Lessons Learnt

Breast Services One stop shop is the Gold standard care in Breast clinics which allows same day imaging and reporting, saving the trouble of multiple visits. This did not affect the total clinic time or the wait time for elective breast imaging.

Conclusion

See poster appended/ below

Project Category

Care & Process Redesign

Access to Care, Referral Rate, Waiting Time

Keywords

Breast Clinic, Same Day Imaging

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BREAST SERVICES ONE- STOP SHOP QUALITY IMPROVEMENT PROJECT (QIP)

¬A COLLABORATION BETWEEN DEPT OF GENERAL SURGERY AND RADIOLOGY

MEMBERS: A/PROF PHILLIP IAU, DR BERNARD WEE, DR TAN CHUAN CHIEN, DR DANIEL CHEE,

EVELYN LOW, FANG LI WEI, FRANCO LEOW, IVENA SETIAWAN, ER SOH HOON, SITI NORAISAH BTE LATIF, SITI MASLINDA BTE **WAHAB**

Define Problem, Set Aim

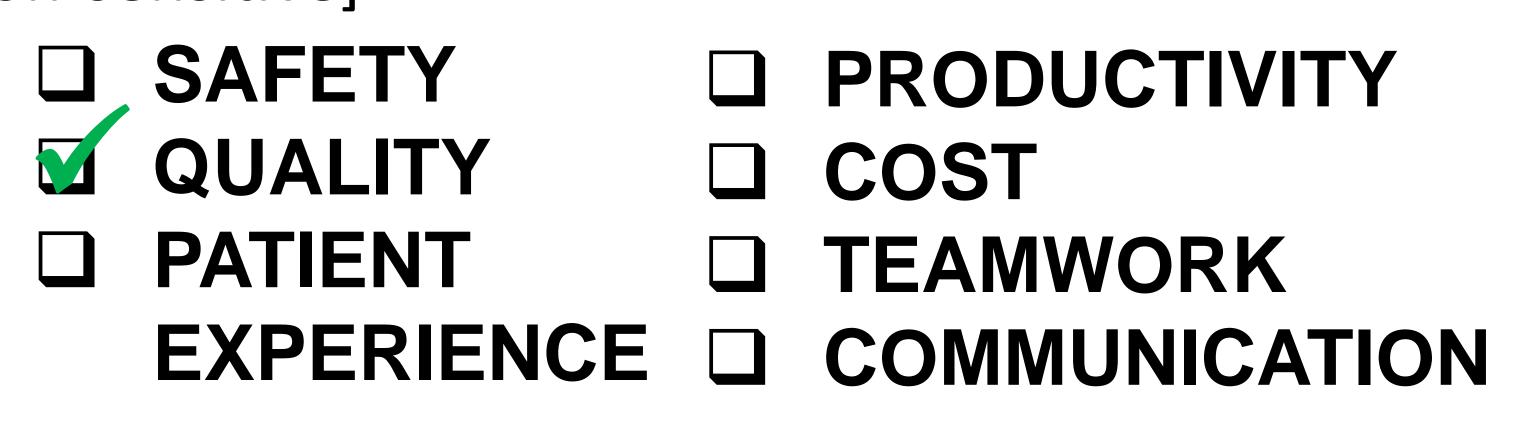
Problem Statement/Opportunity for Improvement

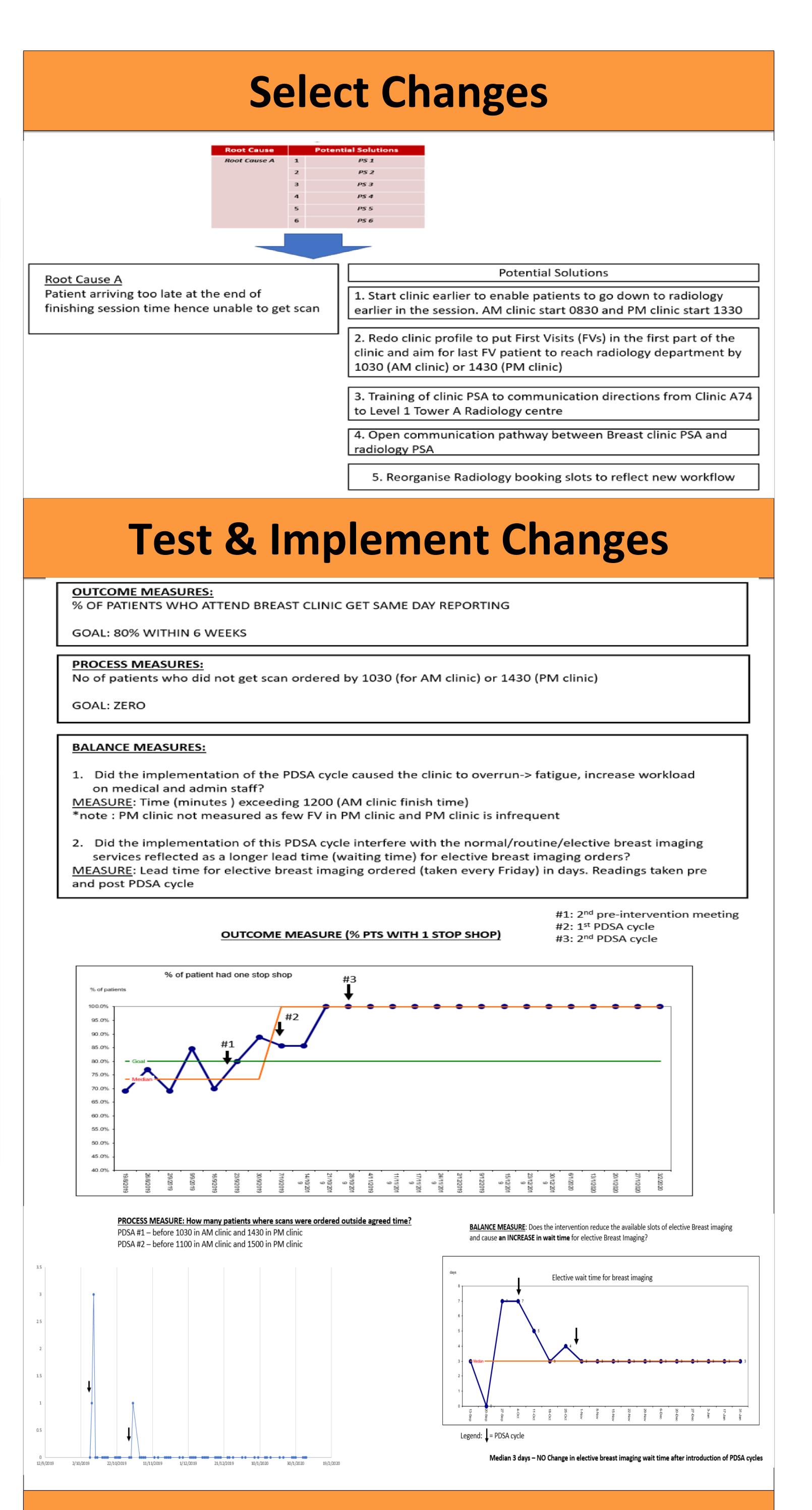
Breast Clinics have been operating at Ng Teng Fong General Hospital since opening on June 2015, however patients are required to attend multiple visits from presentation, getting their breast scans to getting the results of scans by the surgeon. Breast Services One stop shop is the Gold standard care in Breast clinics. This implies operationally same day imaging and reporting. Plans to implement Breast Service One stop shop have been in place for the last 2 years but still a significant proportion of patients are required for multiple presentations before getting their scan results. (only 70% patients get one-stop shop service)

Aim Statement

The Breast Surgical and Radiology services wishes to achieve a One-stop shop model of care for all patients attending Breast Clinic, NTFGH from under 70% to 80% within 6 weeks of commencement of intervention on 7 October 2019, because we want to create a patient-centric cost effective approach of assessing breast referrals at NTFGH.

Establish Measures 20.0% #1 – PRE INTERVENTION MEETING/ FORM TEAM. INCREASE AWARENESS OF PROBLEM #2- SECOND PREINTERVENTION MEETING. FINALISE NEW WORKFLOW #3- INCREASE IN OUTCOME MEASURE MAY BE DUE TO: I) AWARENESS (II) DROP IN FV NUMBERS Analyse Problem CONDENSED FORM OF PROCESS MAP PROCESS MAP TOWER A, LEVEL 1 RADIOLOGY CENTER CLINIC A74, TOWER A, **LEVEL 7 BREAST CLINIC** Patient registers at designated IN TRANSIT counter in Radiology center, Patient arrive at Tower A Level 1 A74 Breast clinic Patient walks DOWN from Patient sees Breas Clinic A74 to tower A level surgeon at A74 1 Radiology centre Breast Clinic Patient gets Breast scan at tower A level 1 Radiology Department from Pre Reserved Slots Surgeon orders Patient Walks UP from Breast scan Tower A Level 1 to Clinic A74 Patient sees Designated Duty Breast radiologist Surgeon 2nd time reports scans in 1 stop shop model for scan results Fishbone Diagram System & equipment Staff Patient goes to A significant no radiology and reast patient need multiple visits for full Breast Patient get lost from aA74 to assessment Surgeon seeing the pt (FV, Scan, RV)





Spread Changes, Learning Points

- 1. Our aim of Breast clinic One-stop shop is a high quality, patient-centered service delivery approach for a clinic model.
- 2. We achieved our target within 6 weeks. (80% patients in Breast clinic undergoing One-stop shop.)
- 3. We exceeded our target within the 1st PDSA cycle. (achieved 100% of pts undergoing One-stop shop)
- Second PDSA cycle commenced 28 Oct 2019.
- 5. Continued measurement of outcome measures for a further (almost 4 mths after 2nd PDSA cycle) showed a sustained 100% patients from Breast clinic undergoing this workflow, suggesting this intervention is **SUCCESSFUL** and SUSTAINABLE.
- 6. The success (and sustainablility) of the workflow intervention is also reflected in the process measure results.
- 7. The balance measure outcomes showed:
- (i) the median wait time for elective breast imaging remained at (median) 3 days suggesting that this intervention did not interfere and increase the wait time for patients getting elective breast scans outside the breast clinic.
- (ii) This workflow did not significantly increase clinic time (resulting in late finishes in breast clinic). In fact, the clinic finish time reduced from pre intervention (median) 20.5 mins to (median) 15 mins post intervention.



Patients



Process