

## Background Introduction

TTSH uses Enterprise Appointment System (EAS) to manage appointments electronically. For patients in Rehabilitation SOC, patients often need multidisciplinary appointments such as Occupational Therapy (OT) and Physiotherapy (PT). One of the capabilities of the EAS allows for appointments to be linked to facilitate booking of multiple appointments for the same patient

## Problem Statement

Long Appointment Re-scheduling Process at counter for outpatient therapy services

If changes are required to 1 of the linked appointments required.

- (1) Staff on urgent leave
- (2) Patient Request to change

### Step 1:

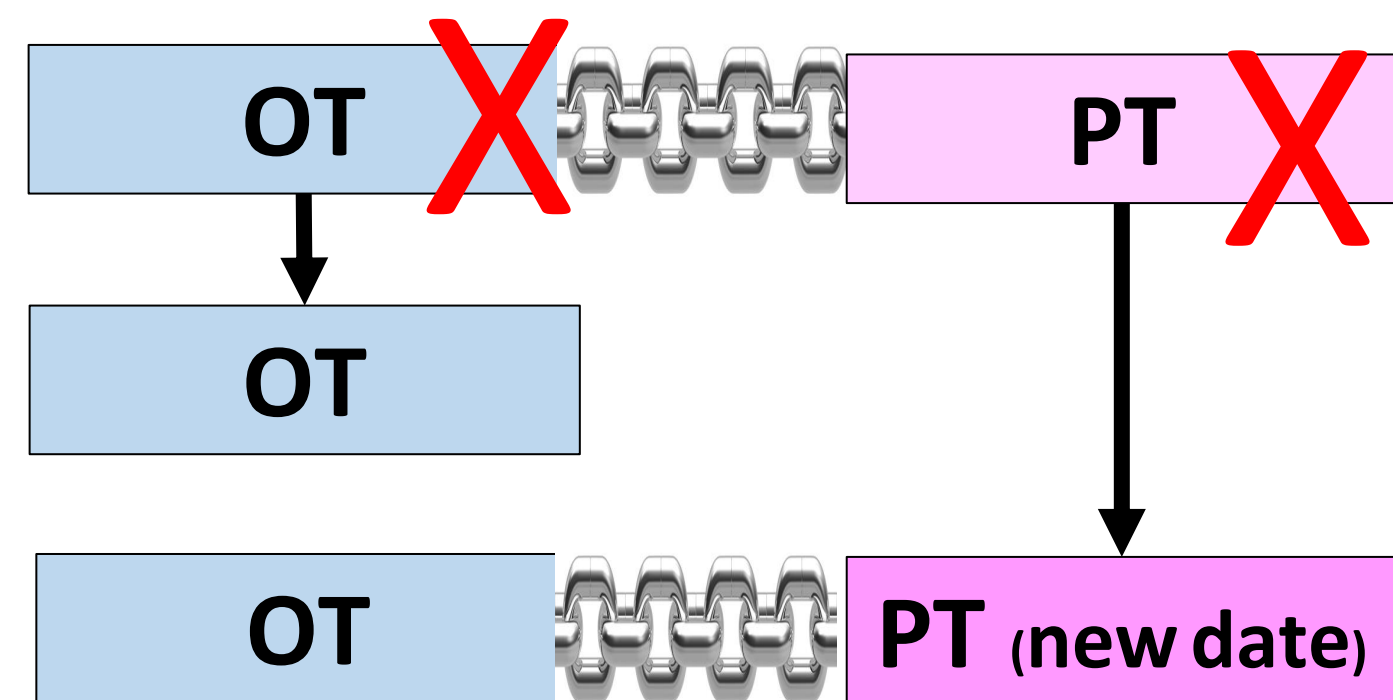
Cancel both appointments

### Step 2:

Rebook the same unaffected appointment

### Step 3:

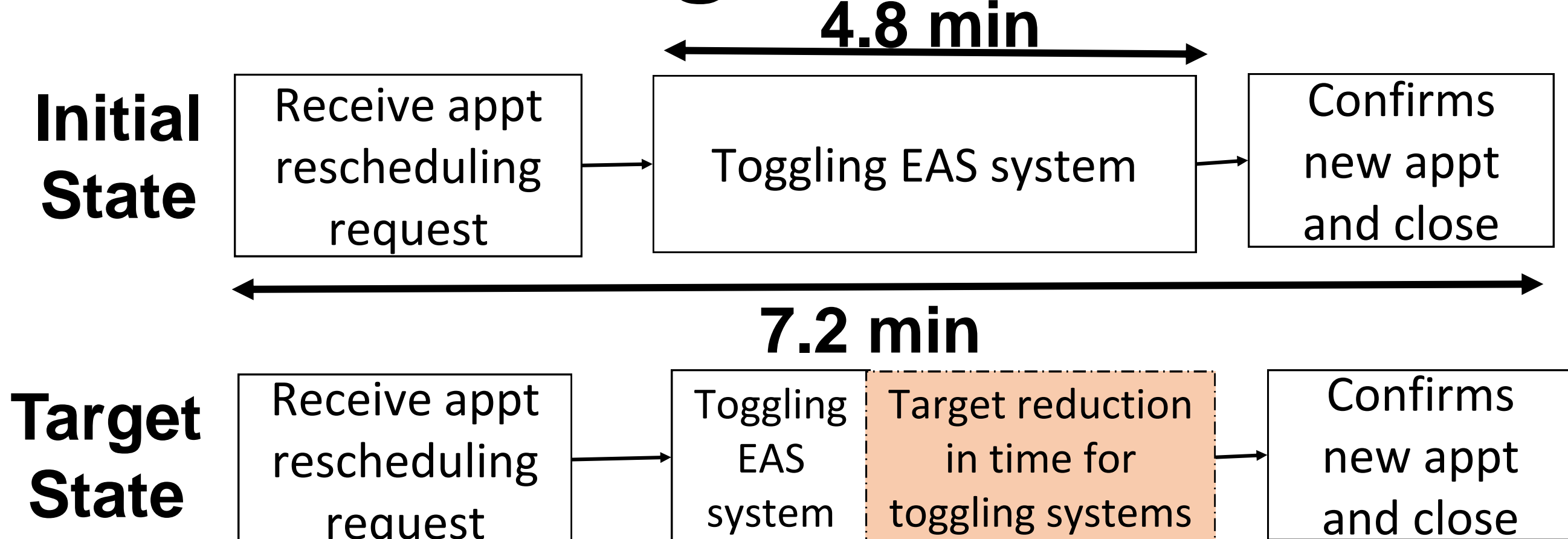
Reschedule the affected appointment



## Motivation

67% of patient's waiting time for new appointment is spent waiting for PSAs to process the rescheduling request on EAS.

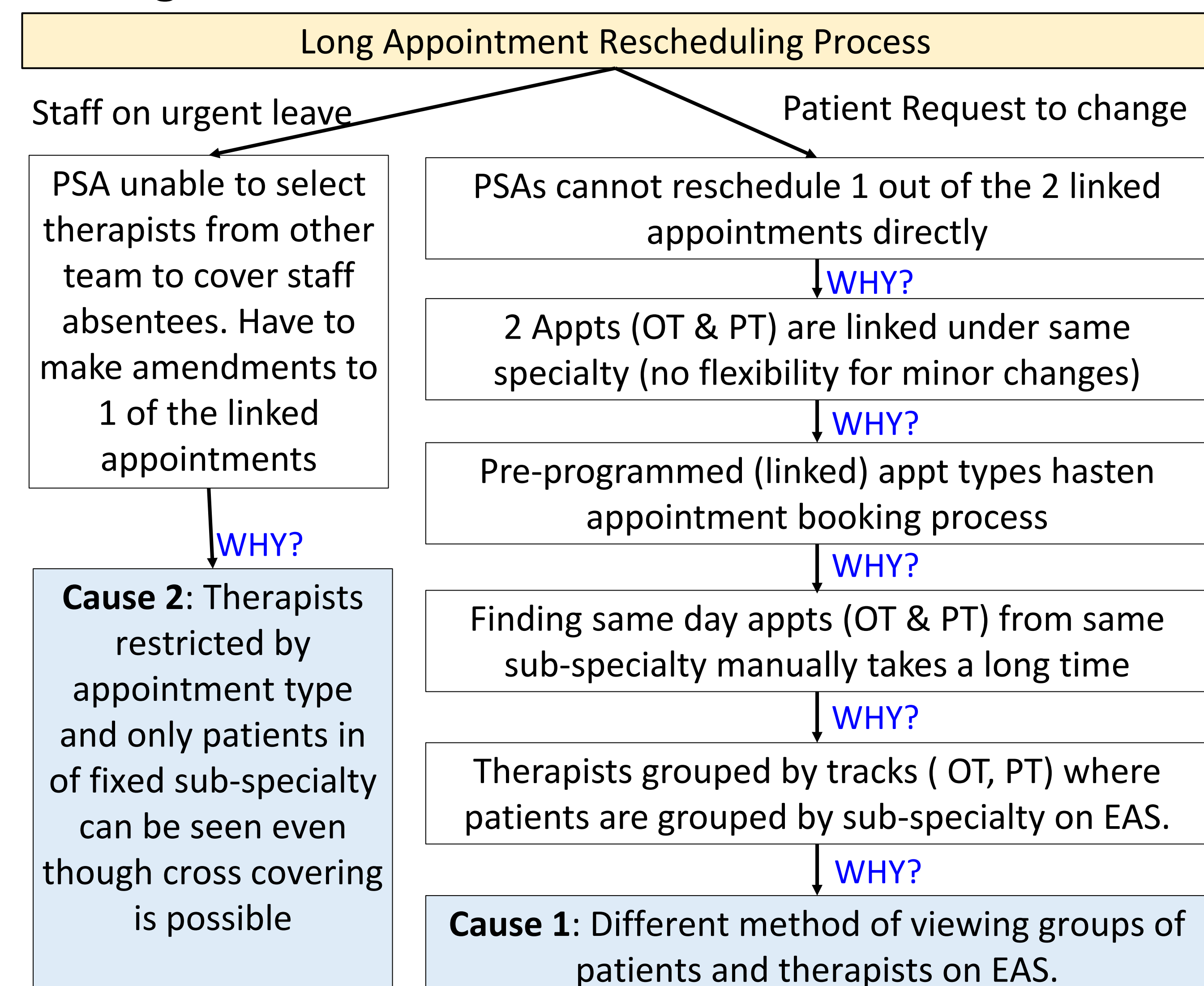
## Initial and Target state



To reduce the average appointment rescheduling time for patient by approximately 50%

## Methodology – 5 Whys Analysis

Finding root cause



## Solution

For Cause 1:

Creation of new viewing groups (aligned with how patients are grouped)

Department	Rehabilitation Medicine
View	Rehab OT CART Drs CART Therapist Rehab Doctors Rehab OT Rehab PSY Rehab PT Rehab ST Neuro Team OTR Team ABI Team SCI Team

4 new viewing groups created based on Rehab's Sub-specialty

PSAs can now visualize availability of slots at one glance without toggling through multiple windows

SCI Specialty	PT <sub>TPHTCCP</sub>	OT <sub>TOCTTRU</sub>
	66%	0%
	11:30	11:30
	12:00 PTGENSAR CHANDRAMOGA...	11:45
		12:00
		12:15

For Cause 2:

Creation of General Appt Type

Before –

Appointment Type by Sub Specialty

App. type	[Select]
Duration	PT-STR-PTE-AF PT-STR-PTE-AR PT-STR-SUB-AF PT-STR-SUB-AR

Rescheduling no longer required.

After –

General Appt Type

App. type	[Select]
Duration	PT GEN-PTE-AF PT GEN-PTE-AR PT GEN-SUB-AF PT GEN-SUB-AR

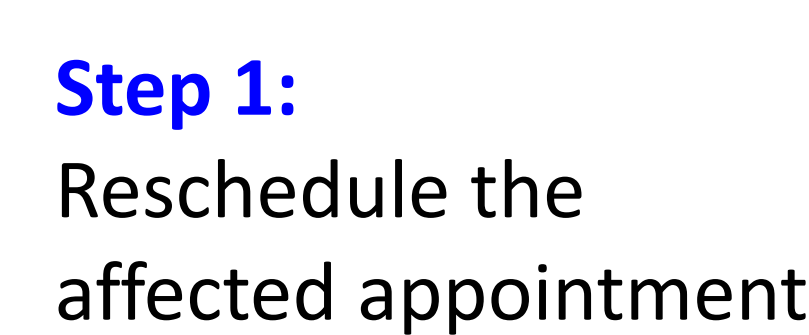
Therapists could make internal arrangements for urgent cross coverage

## Results

1) Reduction in process steps

3 Steps

1 Step



Step 1:

Reschedule the affected appointment

2) Reduction in average toggling time on EAS

4.8min

- 73%

1.3min

3) Reduction in average total appointment rescheduling time

7.2min

- 49%

3.7min

Overall patient waiting time reduced!

## Conclusion

What went well?

- Better Staff experience  
PSA are less frustrated as rescheduling can be done more efficiently.
- Better patient experience  
Reduced waiting time for patients
- Sustainable Outcome

What helped?

- Ground Engagement  
Through internal comms platform to increase awareness of staff. Hence inputs for best solutions were available
- Staff Cooperation
- Good Feedback System  
from the internal comms platforms

What did not go well?

- Frontline Interruption  
There were work demands at the front counter where data collection was affected. Some data points have to be omitted.

What hindered?

- Limited outpatient therapy workload  
Longer data collection period to gather sufficient data points.