A 3 Cs (Collaborate, Collective & Comprehensive) Approach towards an IDEAL patient journey in NCCS Singapore Healthcare Management 2018

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Background

Leveraging on the implementation of cluster 1 Queue System, the team from various departments in NCCS collaborate to embark on a journey to collectively improve workflows and integrate systems to throughout NCCS. provide a fully comprehensive patient's journey.

The team worked on mapping out the various patients' journey and areas for improvements:

- Pre/ Follow Up/ Post Consultation
- 1 Stop Breast patient
- Chemotherapy
- Radiotherapy
- Day Surgery.

Methodology

Applying LEAN methodology on various patients journey the team:

- 1. identify the duplicate service stations that can be eliminated
- 2. identify systems that needs to be integrated and enhanced

Below is the milestone of the implementation and activities involved:

Phase 1

1st implemented at SOCs, Laboratory, Diagnostic Imaging and Endoscopy Suite on 25 July 16

2nd implementation at

Ambulatory Treatment

Pharmacy on 3 July 17

Workflow:

Streamline follow up (with investigation tests on arrival) consultation and 1 Stop Breast patient flow.

System:

Enhance Self Registration Kiosk to have patient answer Fall Risk questions once per day and print the results on Queue Slip.

Preparation:

- Communication flyers distributed to patients.
- Mass training for 158 staff on 1 Queue System.
- Mock Run and Full Dress Rehearsal.

Workflow:

- Streamline chemotherapy patient flow. System:
- Integrate Chemotherapy appointments in Rapide to OAS.
- Identify patients who have performed their blood test before their chemotherapy. appointment and skipped screening station
- Print a different Queue format for nurses & pharmacists.

Preparation:

- Mass training for 100 staff on 1 Queue System.
- Mock Run and Full Dress Rehearsal.

Phase 2B

Unit and Retail

Phase 2A

Final implementation at Radiation Oncology at NCCS B2 & SGH Blk 3, B1 on 25 August 17

System:

- Integrate Radiotherapy appointments in Mosiaq to OAS.
- Suppress the printing of appointments due to too many future appointments.

Preparation:

- Mass training for 98 staff on 1 Queue System.
- Mock Run and Full Dress Rehearsal.

Aim

The aim of the project is to provide an IDEAL patient's journey that covers across different service units and different physical location

Results

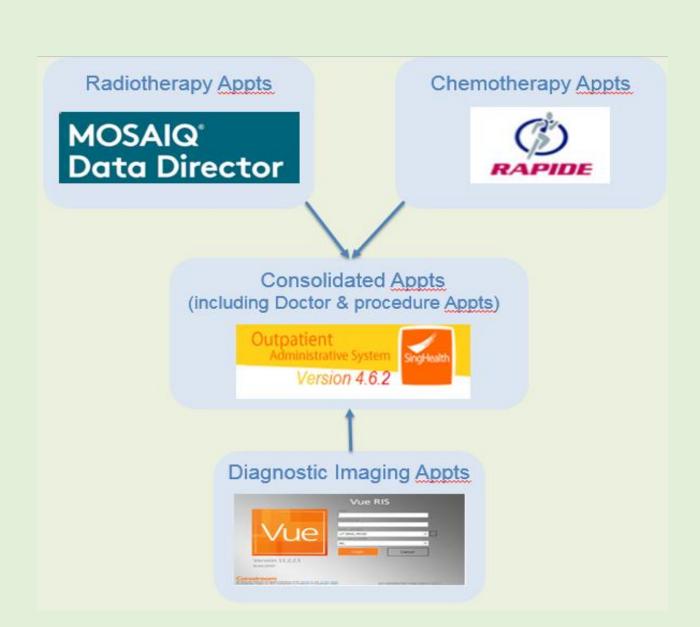
Consolidated journey in a single day

- > All patients hold a single Queue Slip for the day.
- more comprehensive and streamlined journey without repeated through going registration and waiting process
- > Self-registration and actualized appointment from a single location for SOC journey.
- > Answer fall risk questionnaire once for the entire day.

Service Station	Time				
Clinic C Counter C3, Level 2 (Check In Required)					
(Check In Required)					
Blood Taking B1-B4					
Clinic C Consult Rm 6	11:15				
Clinic C Counter C4 C5					
ATU Appt Counter C1 - C4, Level 3 (Check in required)					
SOC Pharmacy, Level 1					
ATU Screening C1 - C4					
ATU Registration Counter C1 - C4					
ATU 1514	14:30				

Comprehensive Consolidated Appointments

- > All appointments made in other appointment systems are Outpatient integrated into Administrative System (OAS).
- > Patient can have an overview of their upcoming appointments with ease and confusion with less from chronological order earliest to latest date.
- > Staff can refer to a single platform to ensure that there is no overlapping of appointment time for patients who have multiple appointments on the same day.



PATIENTS WHO HAVE NOT SEEN THEIR DOCTORS FOR THE SAME MEDICAL CONDITION FOR MORE THAN 24 MONTHS FROM THEIR LAST VISIT WILL BE CONSIDERED A NEW CASE FOR THE NEXT VISIT						
Date dd-mm-yyyy)	Time	Clinic	Specialty	Service Provider	Remarks	
14-06-2018 Thursday	10:15 am	CLINIC D, Level 2	MEDICAL ONCOLOGY	DAVID TAI (WED/THU)	• Blood Test(s) on arrival	
14-06-2018 Thursday	12:00 pm	ATU, Level 3	MEDICAL ONCOLOGY	ATU J20	Arrive at 10:00am for test(s)/procedure(s)	
21-06-2018 Thursday	12:00 pm	ATU, Level 3	MEDICAL ONCOLOGY	ATU J3	Arrive at 10:00am for test(s)/procedure(s)	
28-06-2018 Thursday	12:00 pm	ATU, Level 3	MEDICAL ONCOLOGY	ATU J2	Arrive at 10:00am for test(s)/procedure(s)	
25-07-2018 Wednesday	10:00 am	CLINIC D, Level 2	SURGICAL ONCOLOGY	CHIA CLARAMAE (WED/THU)		

Conclusion

The successful implementation of 1Queue System throughout the whole institution was made possible by the collaboration and teamwork of all departments involved. Improvement in patient's journey and consolidated appointments were well received by both NCCS patients and staff.