

A 'Digital-First' 'Oak Tree' – Changi General Hospital's Patient Service Centre (PSC)

Singapore Healthcare Management 2024

Desmond Khoo¹, Tan Mei Fen², Cai Yanlong², Adeline Wong², Lee Xuan-Ting², Miki Ong², Sophie Ow², Leong Manqing², Joan Loh³, Lam Gia Thieu⁴, Lin Xiang Peng⁴, Garrett Chua⁵, Dilys Quek⁶, Zheng Shilong⁷

¹Patient Services, ²Inpatient Operations (Inpt Ops), ³Campus Development and Service Planning (CDSP), ⁴Facilities Development (FD), ⁵Business Office (BO), ⁶Corporate Communications (Comms) and ⁷Synapxe

1. Background

The Patient Service Centre (PSC) at CGH, managed by Inpatient Operations, is a 'no-wrong-door'



centre that handles a variety of patient-related matters.

Beyond providing elective admission and financial counselling (FC) services, the centre evolved to be a first responder-equivalent for walk-in enquiries on payments, billing, medical reports, general feedback and complaints; with the increasing absence of patient-fronting counters in CGH like Business Office, Health Information Management Services, and Office of Patient Experience.

Due for renovation, the Inpt Ops team seized the opportunity to review PSC's operating model and identified 2 main areas for change.

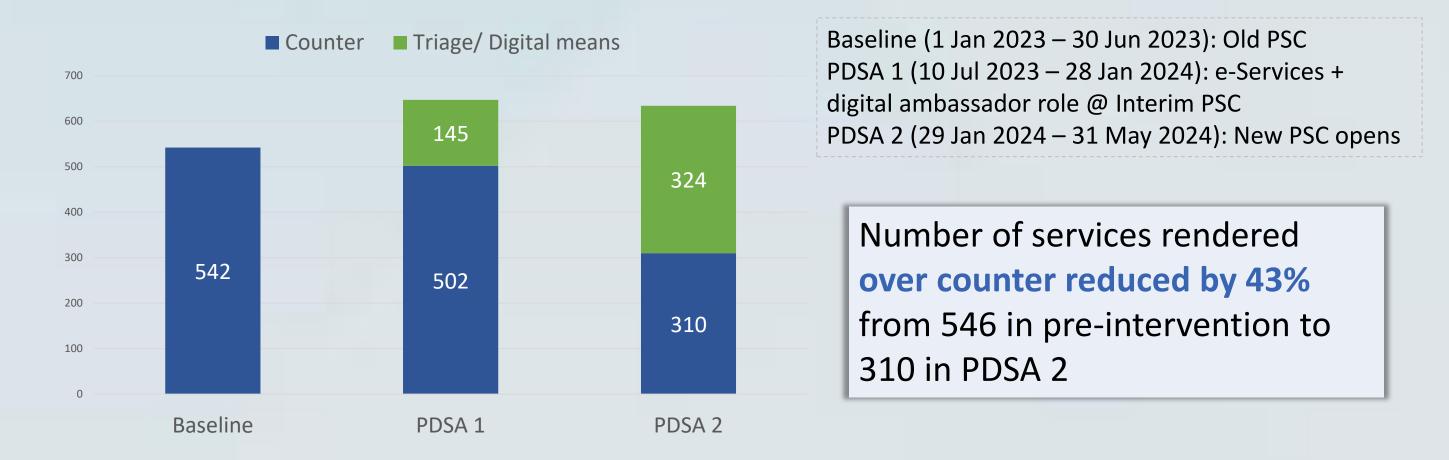
2. Problem Statements & Motivations

1. Digital-First Hub

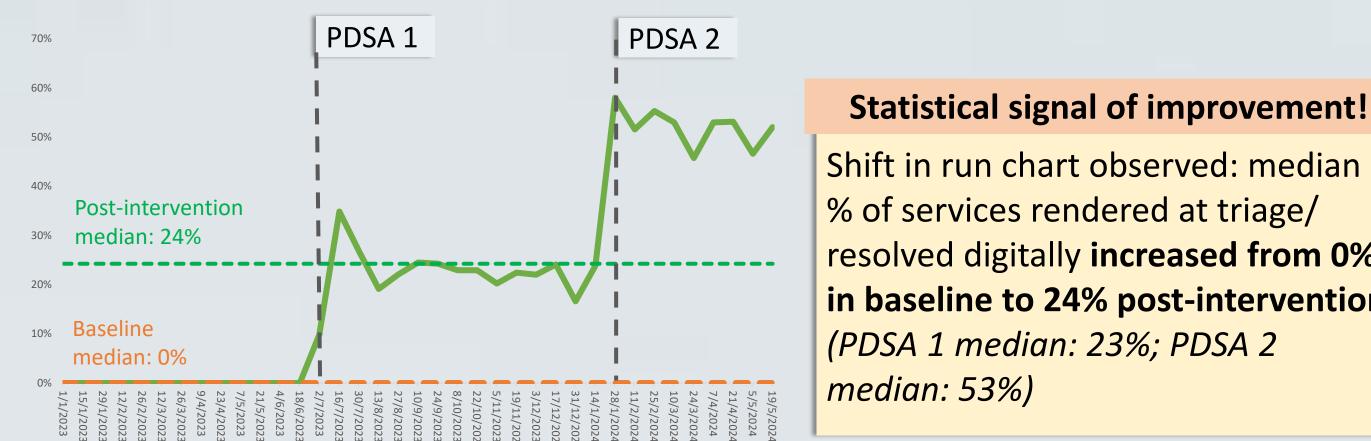
From an internal 2023 study on PSC workload, a median of **542 services were** rendered at PSC counters biweekly. A large proportion of these were payment and billing enquiries which could have been resolved digitally. Hence, the project aimed to empower self-help for resolution of straightforward issues: a) Increase the adoption of digital services by 50%;

b) Reduce the demand for traditional counter setting by 50%.

Number of services over counter vs resolved at triage/ digitally (biweekly median):



% of services resolved at triage/ digitally out of all enquiries served at PSC (biweekly):



2. Tiered Operating Model

Against a backdrop of promoting the take-up of digital services, the project also aimed to provide different levels of support to better manage the wide range of walk-in enquiries received at PSC; maintaining a no-wrong-door policy and ensuring that overall patient experience is not compromised.

3. Methodology

With the national/industry's transformation towards digital initiatives, the team drew inspiration from references such as Our Tampines Hub's Public Service Centre. The project aimed to encourage online/ offsite payments, downloading of bills from Health Buddy (HB), and submitting of billing/ medical report requests and enquiries online.

PDSA 1: THE SYSTEM (Jan – Nov 2023)

Creating a "digital avenue" with CDSP, BO, Comms.

- e-Services landing page and BO Billing Chatbot. \bullet
- Digitised forms to route request to relevant dept.
- Step-by-step HB payment guide collateral.



Shift in run chart observed: median % of services rendered at triage/ resolved digitally increased from 0% in baseline to 24% post-intervention (PDSA 1 median: 23%; PDSA 2



⁶⁶ The new centre ...

✓ Modish look & feel ✓ Aesthetically more appealing to patients / public Provides private FC empowered patients with pod-like / NOKs to pay at the comfort of home. counters



Staff able to focus better on admission/ FC, with less banking errors.

5. Conclusion

Since 2020, CGH has been on a deliberate journey of process reengineering, aiming to infuse digital transformation into patient service

Others

Billing

Request/

Enquiries

Payment

77



PDSA 1: THE PEOPLE (Jul 2023 – Current)

Promoting the use of digital services through frontliners.

- New 'Digital Ambassador' role trialed @ Interim PSC.
- Patients' resistance to digital adoption was felt, hence PDSA was done to identify the barriers to digital uptake.
- One of the PDSA findings on 'lack of consistent frontline comms' was tackled via training all 150 staff in Inpt Ops.

PDSA 2: THE PLACE (29 Jan 2024 - Current) Building the "different layers of environment" with FD, Synapxe. • 1) Tablet Frontage: Access digital services with iPad.

2) Counters: For necessary transactions e.g., admission. 3) Discussion Room: Escalate complex cases to other depts.

Appropriate levels of patient privacy for each layer.



processes.

Educate &

The remodelled PSC with its new operating model not only

supports organisational change, but also enhances the sustainability of PSC's operations and fortifies it against scenarios like pandemics.

Aligning with the Smart Nation initiative, PSC also continues to serve as an anchor point, like an oak tree, to help visitors on-board digital initiatives across Singapore's public healthcare landscape while allowing staff to focus on higher-value tasks.

