

Project Title

Mundane to Meaningful: A Journey towards a paper-less Care Cost Discussion

Project Lead and Members

Project Lead(s): Kong Jie Ying Project Members: Soh Yixin Miriam, Tan Mei Fen, Cai Yan Long, Cheng Mei Chen, Ng Ching Hui Stephanie

Organisation(s) Involved

Changi General Hospital

Healthcare Family Group(s) Involved in this Project

Healthcare Administration

Project Period

Start date: Dec 2020

Completed date: Oct 2021

Aim(s)

In line with national and cluster initiative for digitalization, CGH Inpatient Operations initiated and facilitated a revamp of end-to-end process to create a paper-less environment for our care cost advisors and stakeholders in their Financial Counselling journey.

The projects aims to reduce time spent on manual processes (e.g. filing, sorting, distributing) and increase meaningful engagement with patients.

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

Technology, Digitalisation, Digitisation

Care & Process Redesign, Value Based Care, Productivity, Manhour Saving, Time

Saving, Cost Saving

Organisation Leadership, Organisation Development, Change Management,

Behaviourial Change, System Change

Keywords

Digitisation, Digitization, Digitalisation, Digitalization, Paperless, Case Management,

Paper Trails

Name and Email of Project Contact Person(s)

Name: Ms Kong Jie Ying Email: Jie_Ying_Kong@cgh.com.sg



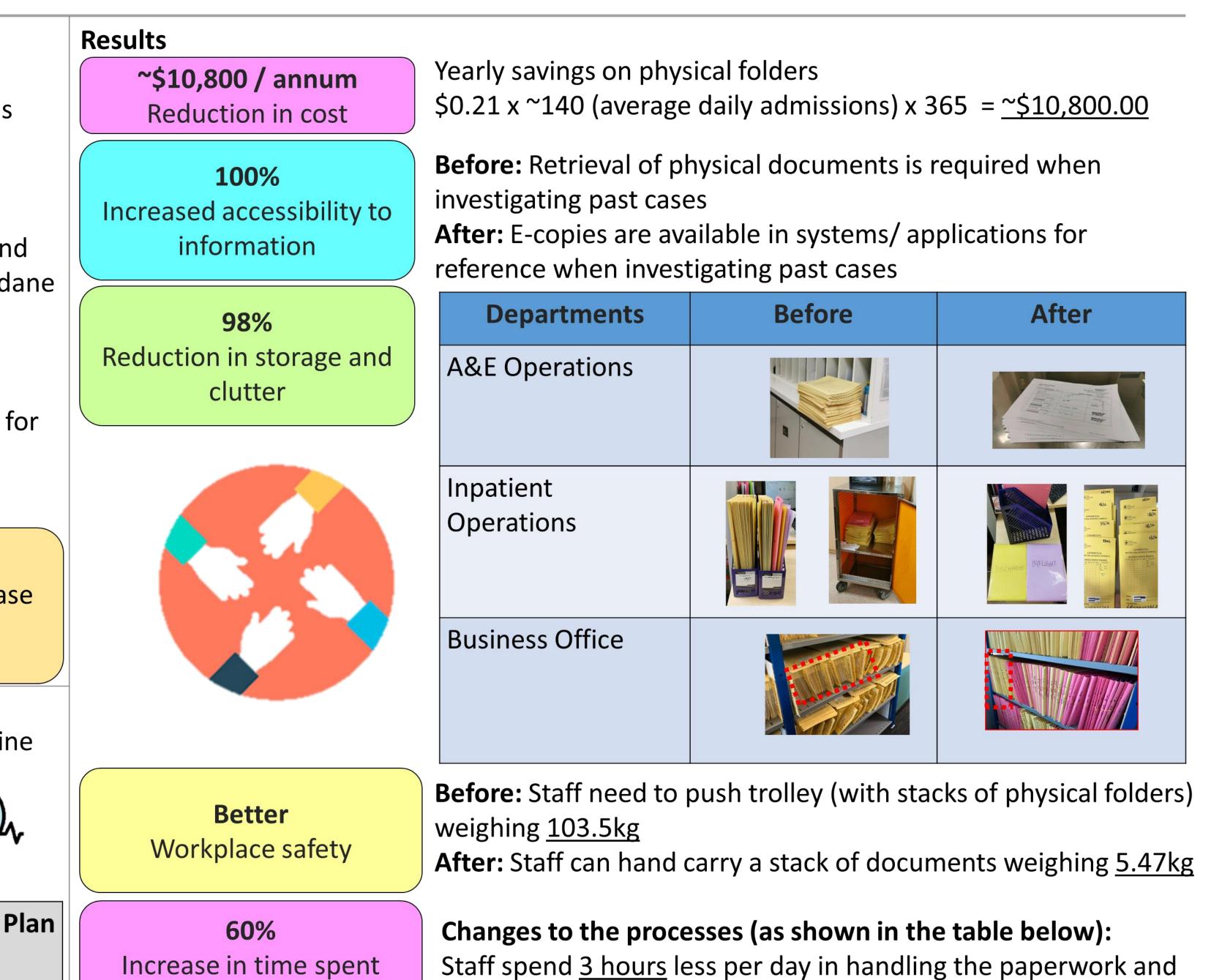


Mundane to Meaningful: A Journey towards a paper-less **Care Cost Discussion**

Tan Mei Fen, Cai Yanlong, Miriam Soh Yixin, Kong Jie Ying, Cheng Mei Chen, Ng Ching Hui Stephanie, **Changi General Hospital**

Background

Beyond conducting care cost discussions with patients and their next-of-kin, our Care Cost Advisors also manage a high volume of Financial Counselling (FC)-related documents such as Care Cost Form, Consent for Data Sharing, Medical Claims Authorisation Form and Letter of Guarantee.



are able to spend more time engaging patients.

After (2 hours/ day)

Traditionally, the team used a physical folder for each admission episode as a storage tool and aid for case assignment. Handling the physical folders and hardcopy forms manually is mundane and inefficient.

In line with the national and cluster initiative for digitalization, CGH Inpatient Operations initiated and facilitated a revamp of end-to-end process to create a paper-less environment for our care cost advisors and stakeholders (e.g. A&E operations, Business Office) in their FC journey.

Aims To reduce time spent on <u>manual processes</u> (e.g. filing, sorting, distributing) and increase meaningful engagement with patients _ 000

Methods

The entire project was implemented in 2 phases. The infographic below indicates the timeline of each stage and their PDSA cycle.

Phase 1: Remove unnecessary documents in physical folders (Dec 2020) Question the essentiality of physical folders

Act

- Phase 1 was implemented successfully for A&E-turn-inpatient cases and subsequently rolled out to elective admissions.
- Reviewed and removed unnecessary hardcopy forms from physical folders
- Right sited documents that can be stored electronically in the existing systems / applications

engaging patients

Before (5 hours/ day) Time nont/

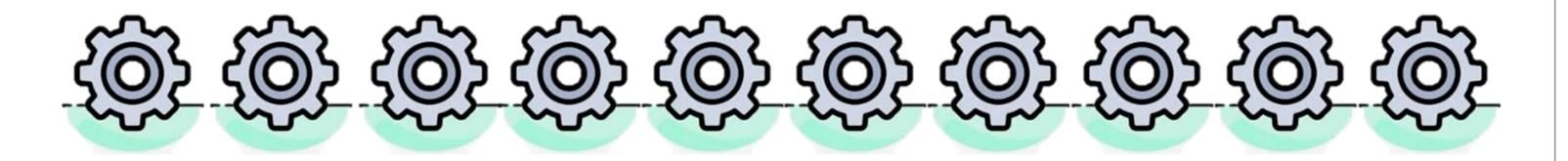
	applications	spent/			
Study Unnecessary paper trails Accessibility to information Usage of existing systems/ applications	 Plan Do Uploaded scanned copies of forms to the existing systems/ applications Increased the usage of e-signature friendly tools Leveraged on new digital platforms such as 	tasksto identify new transferred cas• Tallying folders		es/ discharged cases with patient lists ocuments in folders	 Using Microsoft Excel (filter/ VLOOKUP) to identify new admissions/ transferred cases/ discharged cases Inputting remarks in Microsoft Excel worksheet that provides staff an overview of their cases Uploading documents to systems
Phase 2: Redefine physical folders (C Embark on e-case management	Digital IC, HealthHub, HealthBuddy Oct 2021)	70% Reduction in motion waste		Removing unnecessary movements while handling physical documents, reducing motion waste from <u>27</u> to <u>8</u> movements	
Act • After the implementation of Phase 2, physical folders are no longer required for case assignment/ management. Act Study Motion waste Storage and clutter Man-hours Cost Uppeggeserv paper trails	 Plan Engaged stakeholders, e.g. A&E Operations and Business Office for process changes Created timeline for implementation in phases Plan Plan Created a Microsoft Excel worklist for e-case assignment/ management Created new process for filing documents , i.e. filing based on discharge date) hours/ annum n-hour saving	Yearly savings on man-hours (channeled to value-added work) 3 hours (time saved/ day) x 260 (working days/ annum) x 23 (pax) = <u>17,940</u> hours/ year	
		100% Staff satisfaction	100%		se of relief as a case manager when my to go home with peace of mind that led.
			f satisfaction		ter sense of achievement knowing that I work as a case manager on time.
		Patie	85.6% nt satisfaction	Based on patient eng happy with our staff's	agement survey, most patients were sere sere sere sere sere sere ser

Unnecessary paper trails

Patient & staff satisfaction Efficiency and productivity Accessibility to information Usage of existing systems/ applications

Challenges

☑ Differing learning curves and motivational factors amongst team members Multiple layers of overlapped processes and cross-departmental collaborations



Conclusion & Future Developments

This project is a culmination of phases of improvement works, to increase productivity, to save time spent on mundane processes, in an effort for case management to be more patientcentric. It demonstrates potential to further scalability. We have received positive feedbacks upon completion, and other departments such as X-Ray and A&E Operations have also shown interest in adopting the initiative for their own areas.

The team is making ongoing efforts to further improve the project and we envision the road ahead as:

aper-less to Paperless	Enhancement of e-case management
friendly tools	 Utilizing e-worklist for data analytics and dash boarding / deployment Improving network stability / security for e-worklist storage (ultimate digitalization)