

## **Project Title**

Secure Messaging and Cost Savings with Personalised Notifications on SingHealth's Health Buddy App

#### **Project Lead and Members**

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- Sarah Chan
- Justin Yeo
- Ong Zheng Ying
- Damin Ong
- Wong Keat Yung
- Le Nhon Tranm
- Nguyen Van Huan

• Selena Ng

#### Organisation(s) Involved

SingHealth Polyclinics, Singapore General Hospital, Changi General Hospital, Seng Kang Hospital, KK Women's and Children's Hospital, National Cancer Centre Singapore, National Dental Centre Singapore, National Heart Centre Singapore, Singapore National Eye Centre, IHIS

## Healthcare Family Group(s) Involved in this Project

Healthcare Administration



#### Applicable Specialty or Discipline

Hospital/Strategic/Service/Clinic/Patient Operations, Marketing Communication, Informatics, Specialty and Ambulatory, Outpatient, Digital and Integration

#### Aim(s)

- Urgent need to protect patients from SMS Phishing and Provide Trusted Messaging Mode patients will not ignore
- Avenue to save SMS cost by utilizing latest technology of Personalized Notifications (PN) on Health Buddy app
- Enable multiple caregivers to receive notifications for patient, to reduce no shows and missed messages, especially for seniors.

#### Background

See poster appended/ below

#### Methods

See poster appended/ below

#### Results

See poster appended/ below

#### Conclusion

See poster appended/ below

#### **Additional Information**

Singapore Healthcare Management (SHM) Congress 2023 – 3<sup>rd</sup> Prize (Operations category)



## **Project Category**

Technology

Digital Health, Cybersecurity-Data Security, System Security; Mobile Health, Digital Apps

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Organisational Leadership

Change Management, System Change

#### Keywords

Secure Messaging, Personal Notification, SMS Phishing, Trusted Messaging Mode,

Health Buddy Apps, Communication Platforms

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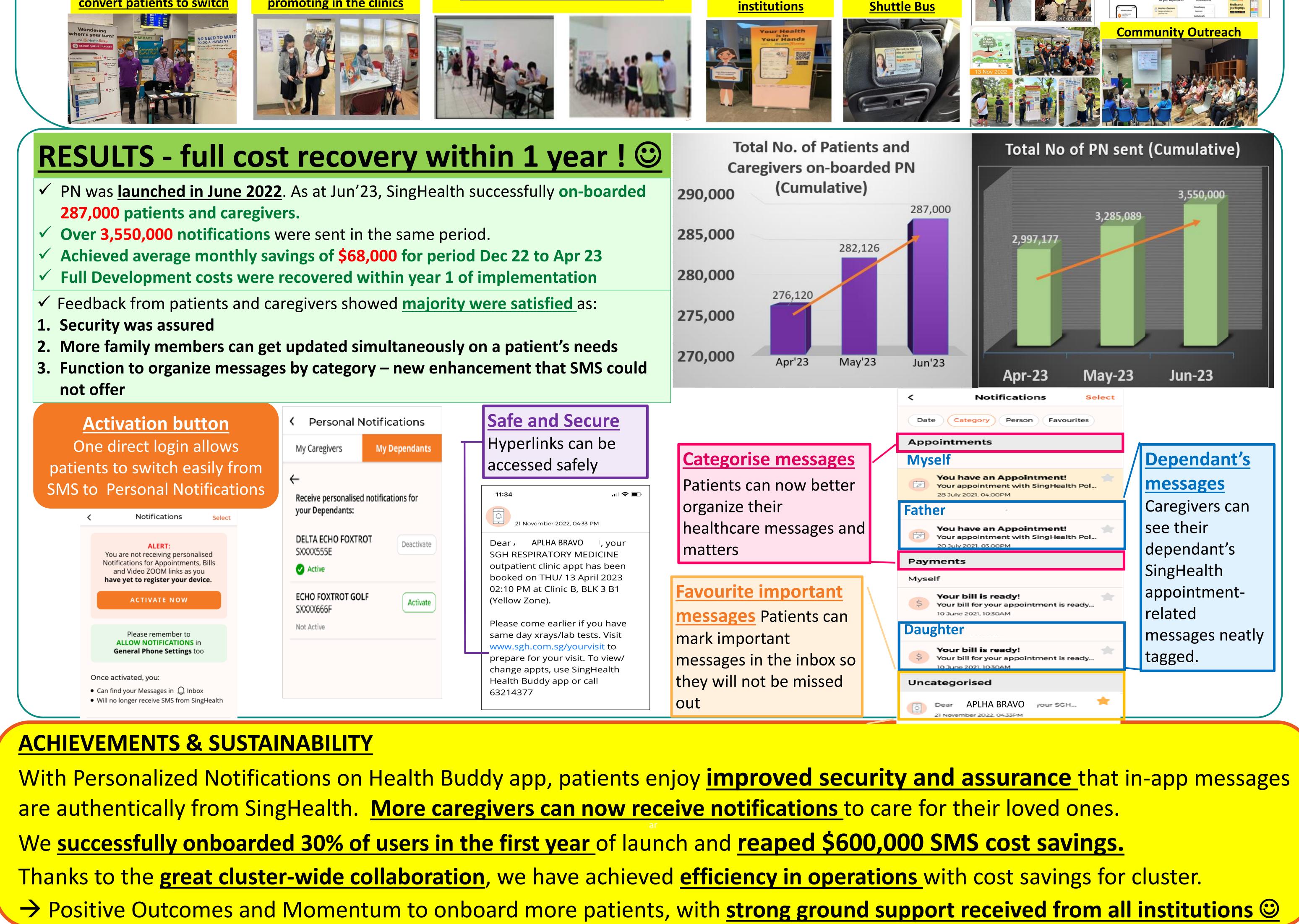


# METHODOLOGY

- Cross-functional cluster workgroup formed to formulate Personal Notifications solution to replace SMS
- Team did benchmarking and feasibility review to confirm viability
- Workgroup defined business logics, system and workflow specifications for system development 3
- Thorough User Acceptance Testing was performed for validation and quality assurance 4.
- Phased rollout across institutions to spread system load as forward planning and risk mitigation 5.
- Institution Operations, Group Marketing Communications and Institution Communications promoted new service on 6. multiple channels and platforms:- in-app, online, on-site and off site.
- Post-implementation evaluation feedback from patients, caregivers and staff on the usage and engaging IHIS to implement additional enhancements to further fine-tune and improve in Agile manner.

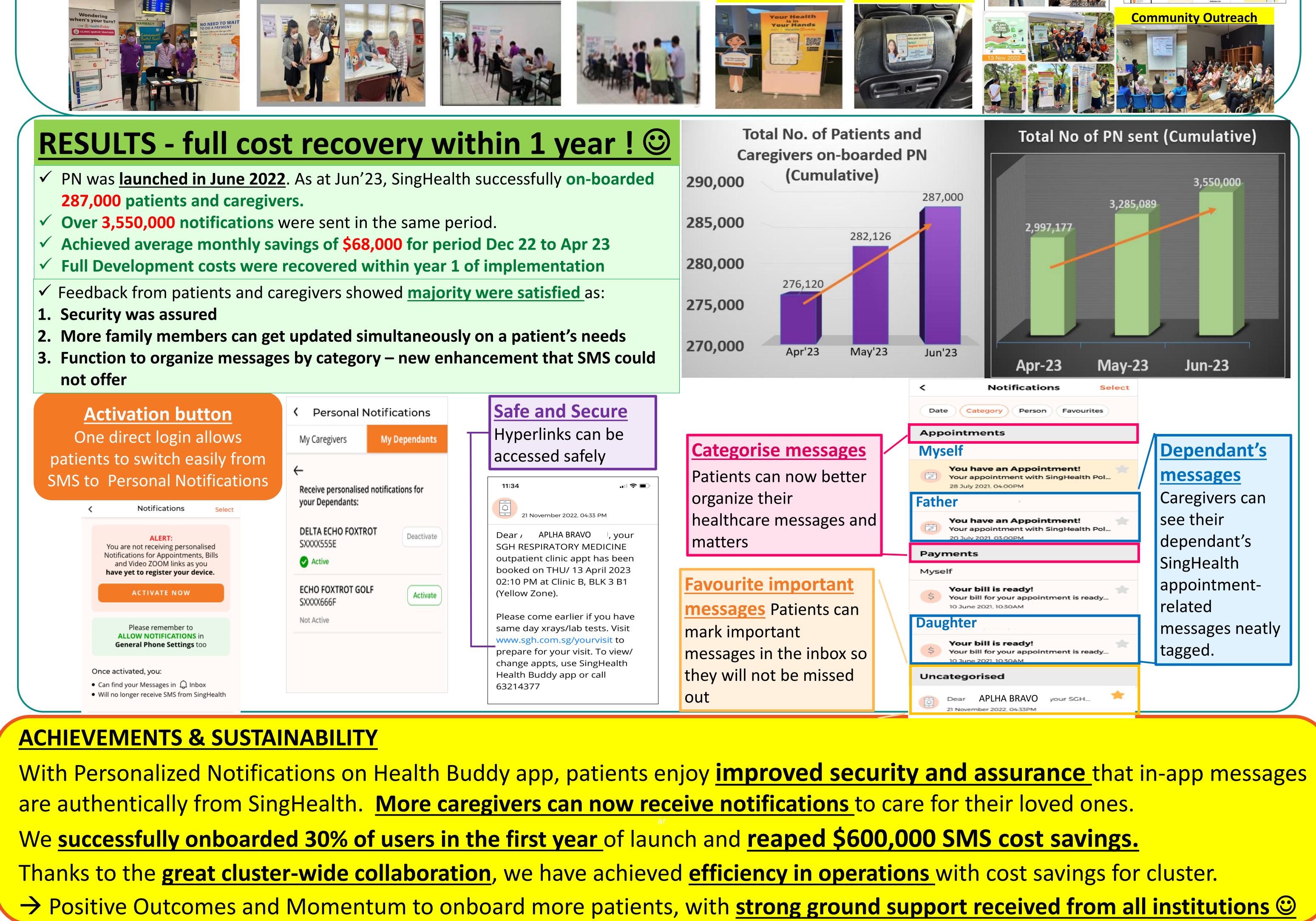


## **Digital Service Executive** promoting in the clinics





**Digital Hub @ SNEC Main Centre L1** 



**Standees around** 

**Onsite and Website** Website Info & FAQ **Banners** nsure your messages from ATTENTION PLEASE: Notifications n ✓ Switch from SMS to app Notifications now! for BETTER SECURITY!  $\blacksquare 12:38 \quad end{tabular} Health <math>\mathcal{B}$ uddy  $\rightarrow$  Activate NOV New feature coming soon in June 2022: Enable Notifications on <del>ऌ</del> Health 🖉 ud Enable Notifications on Health Buddy 
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Healthcare Professionals
Community Partne

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Health Buddy Ar

UPDATES FOR HEALTHCARE PROFESSIONALS

