



SCAN IT, FIND IT

Singapore Healthcare Management 2024

Claudia Goh Hui Shan, Singapore National Eye Centre
Low Meow Sim Serene, Singapore National Eye Centre
Chua Yong Xin, Singapore National Eye Centre
Ong Chu Ting, Singapore National Eye Centre

BACKGROUND

At the Singapore National Eye Centre (SNEC), where approximately 27,000 ophthalmic surgeries are conducted annually, the challenge of catering to the diverse preferences of approximate 80 surgeons is evident. Operating Theatre (OT) nurses, tasked with the daily surgical preparation for these surgeons, encounter difficulties due to the range of preferences. Accessing hardcopy preference cardex from a centralized location is essential for compiling the daily surgical lists. This process involves ordering necessary instruments for surgery and verifying the surgeons' procedural steps, highlighting the crucial role of meticulous preparation in ensuring smooth surgical operations.

AIM

The team aim to improve efficiency of OT preparation and streamline daily preparation process by utilizing technology in the fast-paced ophthalmic OT environment.

METHODOLOGY

Problem

Inefficient Surgery List Preparation

Root Cause

Only 1 file to be shared by 60 nurses. Staff unable to locate file /surgeon's preferences not updated/ missing pages.

WHY

Surgery did not run smoothly

WHY

ROOT CAUSE

WHY

Instruments required was not available for the surgery

WHY

Instruments required for the surgery was not ordered/prepared the day before

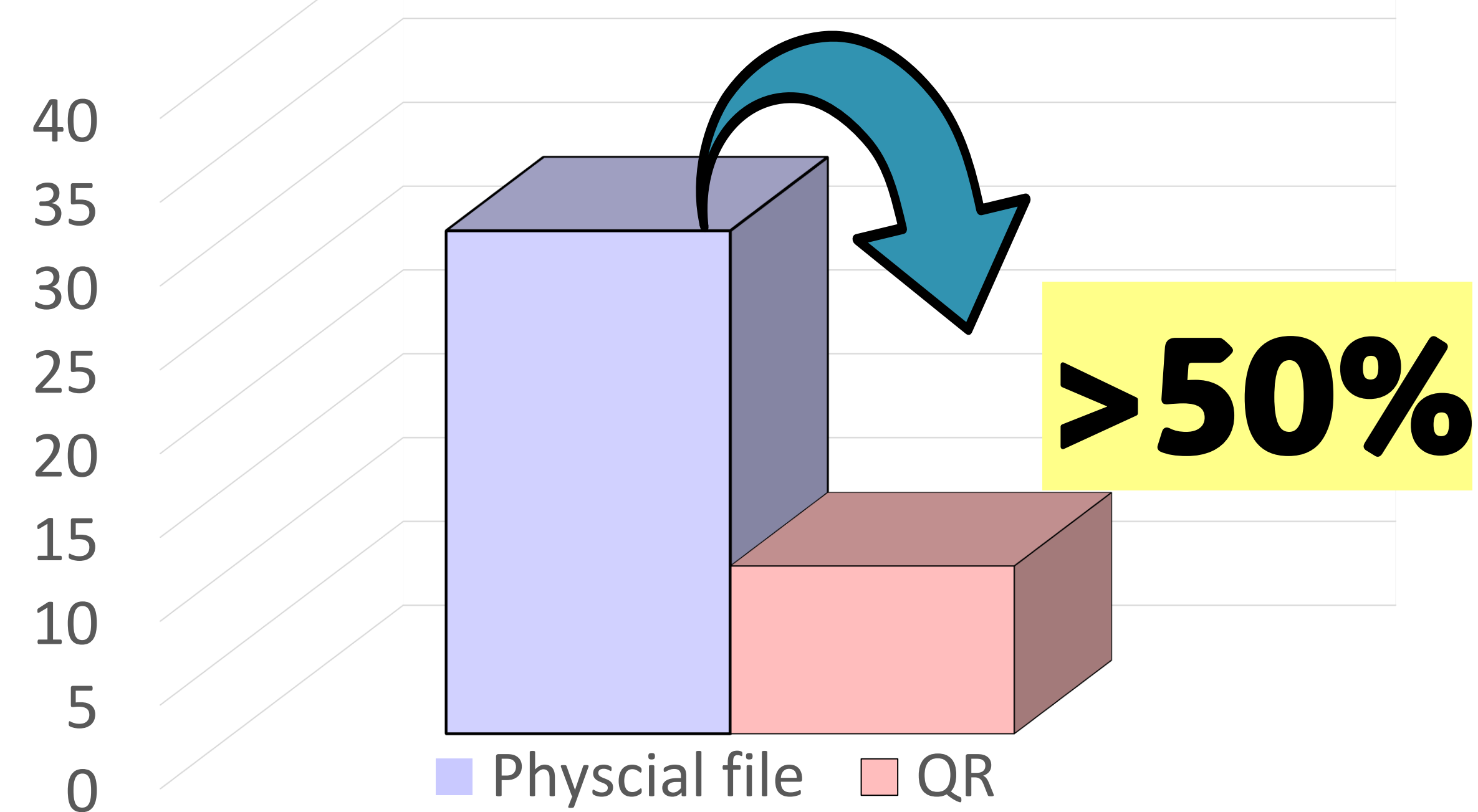
WHY

Staff unfamiliar surgeon's preferences and instrument requirements

(5 WHY)

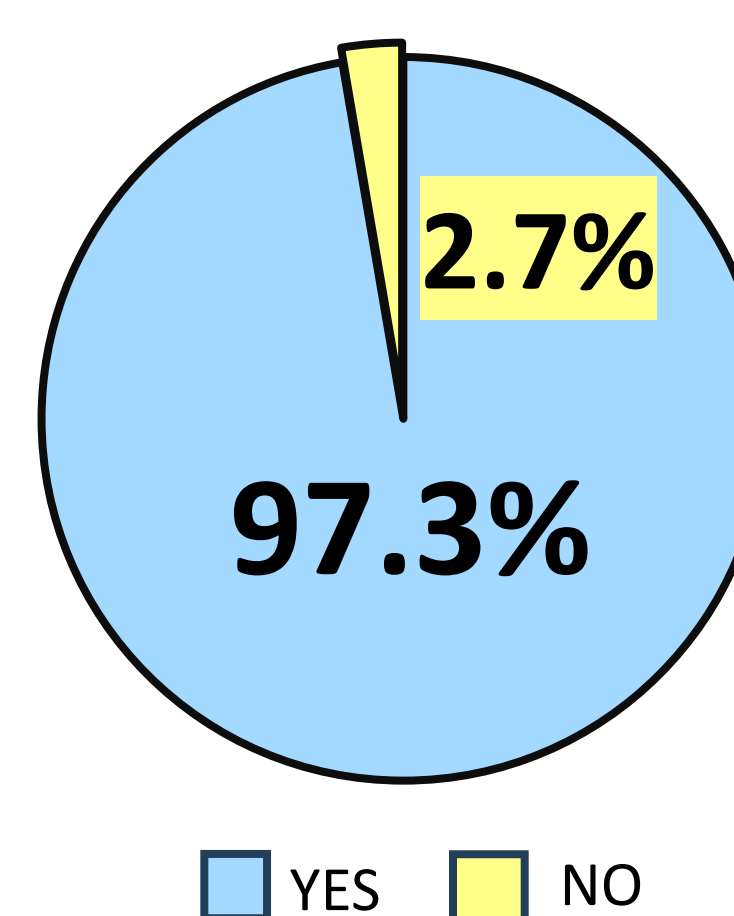
RESULT

Time Taken for Daily Preparation

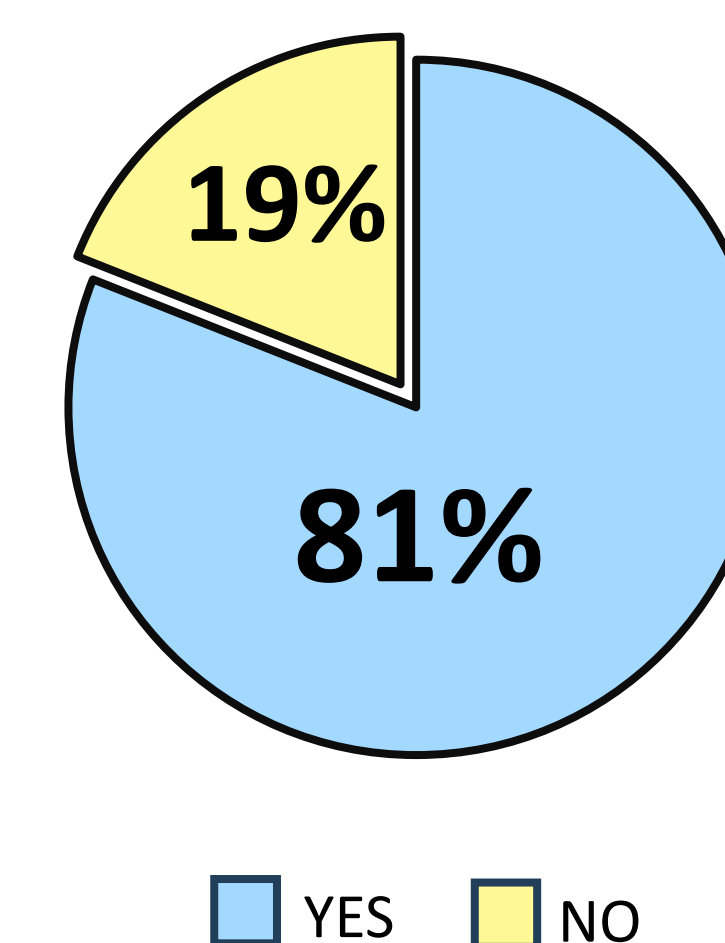


STAFF FEEDBACK

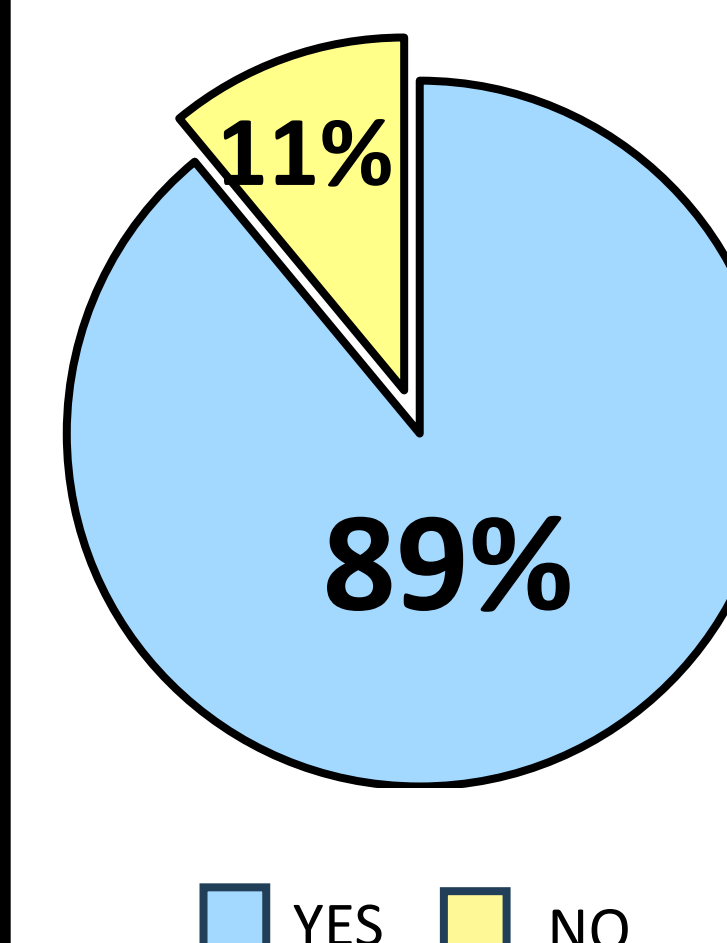
Does the QR code bring convenience & easy access in daily preparation?



Do you prefer QR code over physical file?



Do you think the preference is up to date?



100% reduced in paper usage.

CONCLUSION

The implementation of QR code has heightened the efficiency and productivity of scrub nurses in preparing surgical instruments for the following day. This has significantly **reduced** in preparation time, affording **convenient access** to preferences whenever needed, while also championing environmental sustainability by curbing paper usage to fosters a greener harmonious work environment.

Future Work

This project can possibly be translated to other settings with similar complexities of surgical cases and catering to different surgeons. It also helps to better equip the nurses which reduces the tension and stress level in the surgical team and enhance overall productivity.

ACKNOWLEDGEMENT

Dr Loh Huey Peng, Director of Nursing and Ms Soh Ling Ling, Assistant Director of Nursing for their support and guidance.

Before



After

