

# The Stagger Team Trolley: Trolleying for efficiency



Singapore Healthcare Management 2023

Gerald Ong Zi Peng<sup>1</sup>, Liu Xinying, Goh Hui Jin,  
Singapore National Eye Centre



Singapore National Eye Centre  
11 Third Hospital Avenue, Singapore 168751  
Tel: (65) 6227 7255 Fax: (65) 6227 7290  
www.snec.com.sg  
Reg No. 198900840W

## Introduction

Following a thorough analysis, the operating theatre (OT) team identified factors impeding their function. To enhance efficiency, Stagger Team (ST) Trolley solution was adopted to streamline the preparation of daily surgical consumables.

### Objectives

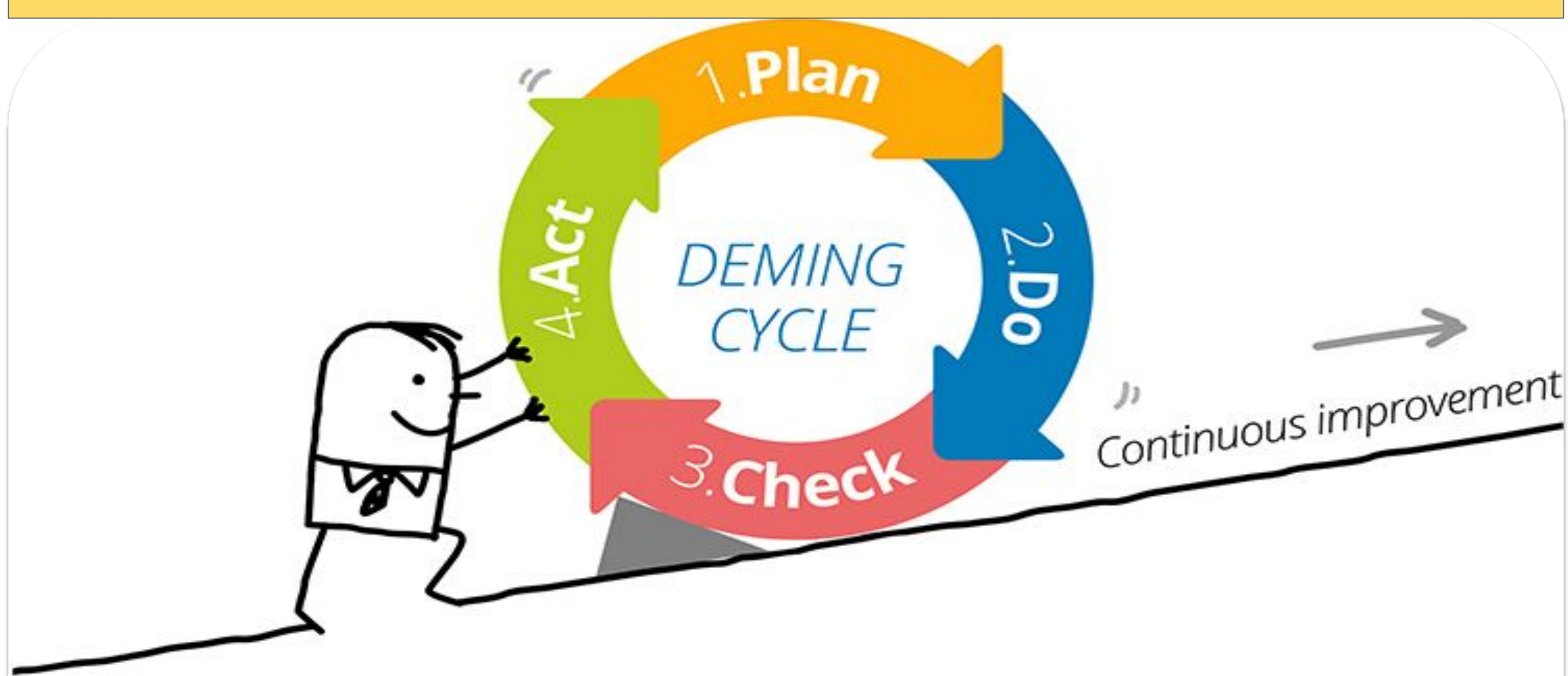
- Achieve cost efficiency
- Increase efficiency and productivity
- Ease workload and facilitate workload

## Method

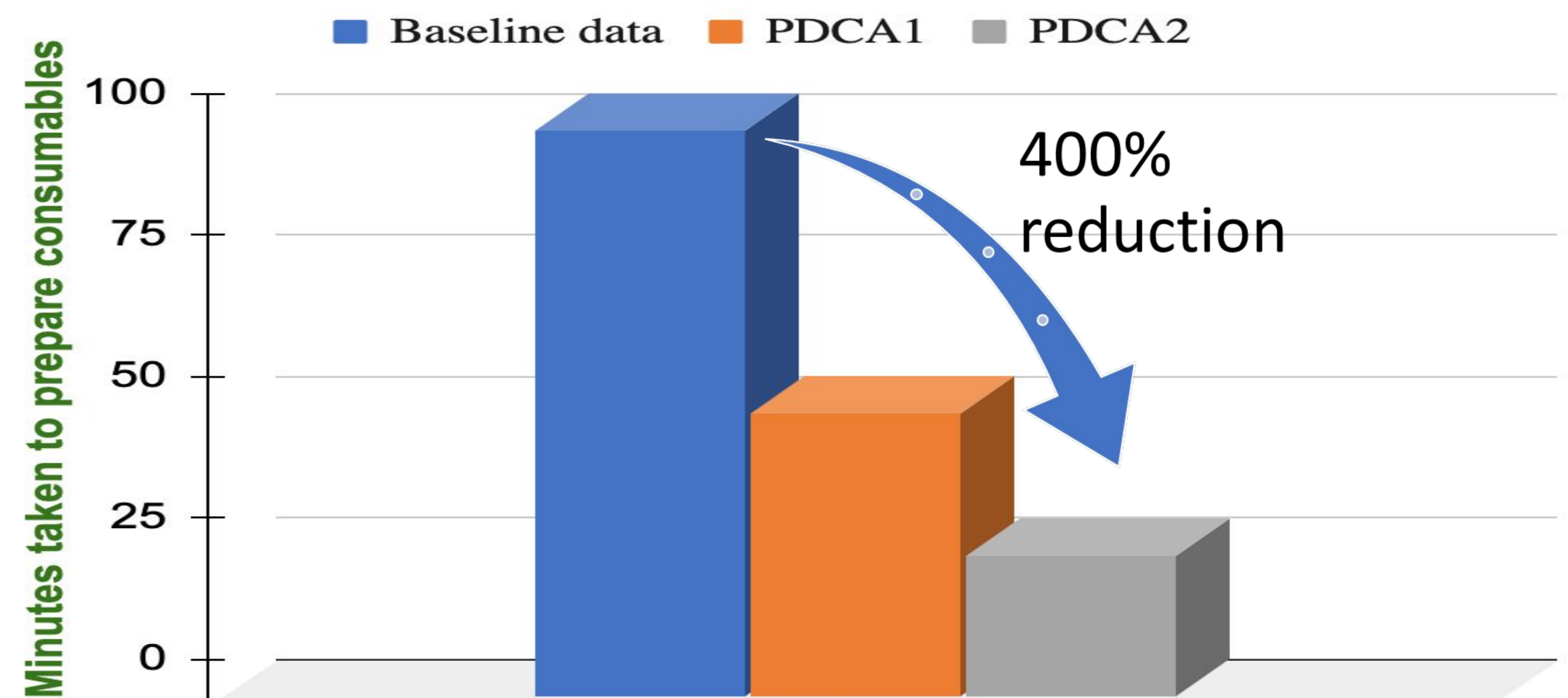
**PDCA1:** Assigning one dedicated team to prepare the consumables for 10 OTs for the following day. However, the preparation approach resulted in multiple unused items. The unused items were either left in the OT, which made tracking of First in first Out (FIFO) challenging, or returned to central Trolley for ST team to manage.



**PDCA2:** A central preparation area was designated to the team providing accessibility and convenience. Only commonly used items were placed into each box.



## Results



Time saved for each OT to prepare consumables is reduced by 400%

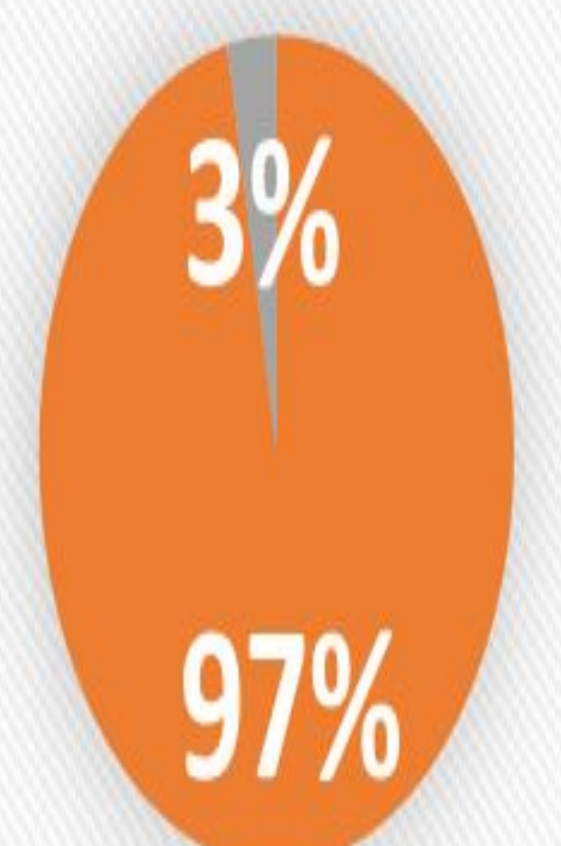
0% of expired items found

Does the current ST trolley facilitate your workflow/workload?



Agree Disagree

Does the current revised ST trolley facilitate your workflow/workload?



Agree Disagree

Increase to 97%

## Conclusion

The implementation of ST Trolley after 2 PDCA cycles has increased the efficiency and productivity of SNEC OT staff. This includes reducing workload, streamlining work processes, and achieving cost efficiency. By improving operational effectiveness, better quality care will be delivered to patients.

## Acknowledgement

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