

Project Title

The Stagger Team Trolley: Trolleying for efficiency

Project Lead and Members

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- Liu Xinying
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Organisation(s) Involved

Singapore National Eye Centre

Healthcare Family Group(s) Involved in this Project

Nursing

Applicable Specialty or Discipline

Operating Theatre

Aim(s)

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

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 – Merit Prize (Operations category)

Project Category

Care & Process Redesign

Quality Improvement, Design Thinking, Job Effectiveness, Operation Management, Inventory Management

Keywords

Consumables, Streamlining of Workflow, Operational Effectiveness

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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

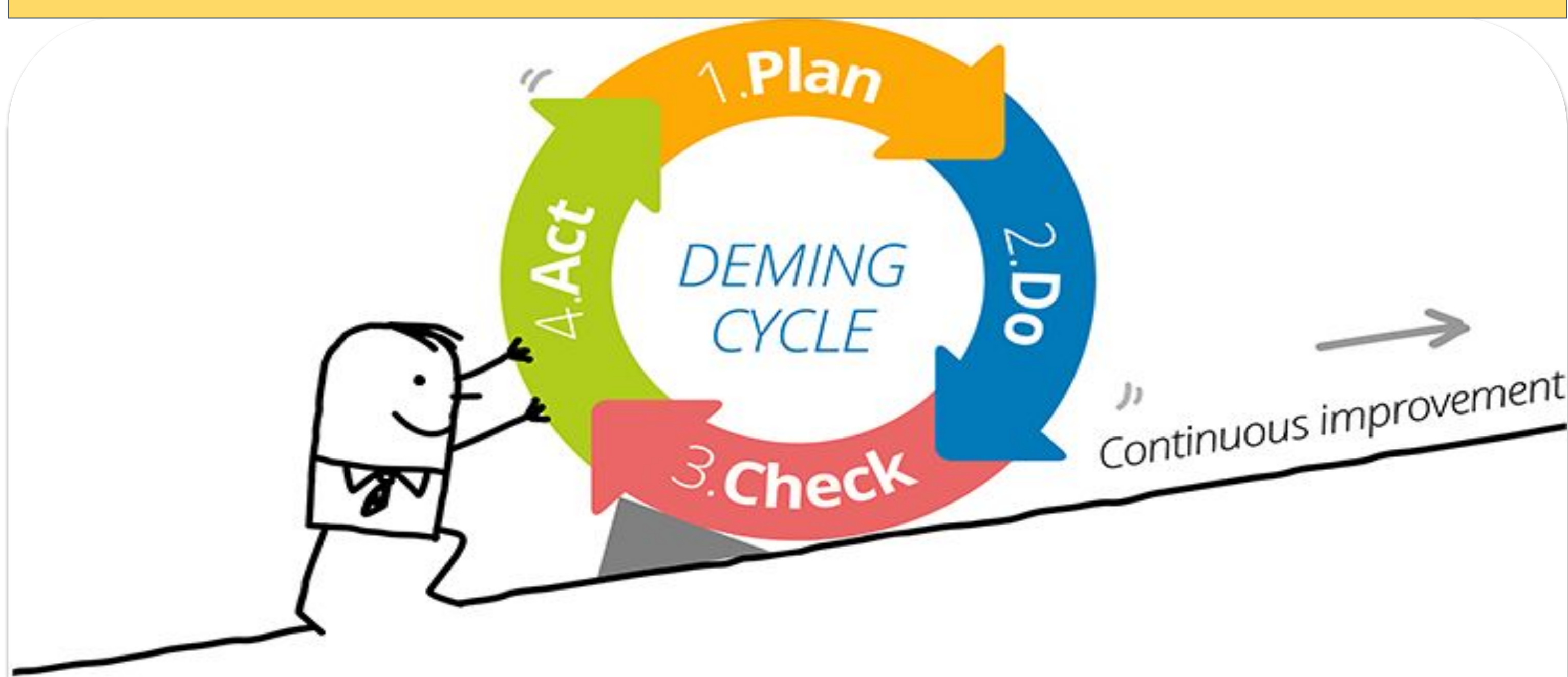
- ❑ Achieve cost efficiency
- ❑ Increase efficiency and productivity
- ❑ Ease workload and facilitate workload

Method

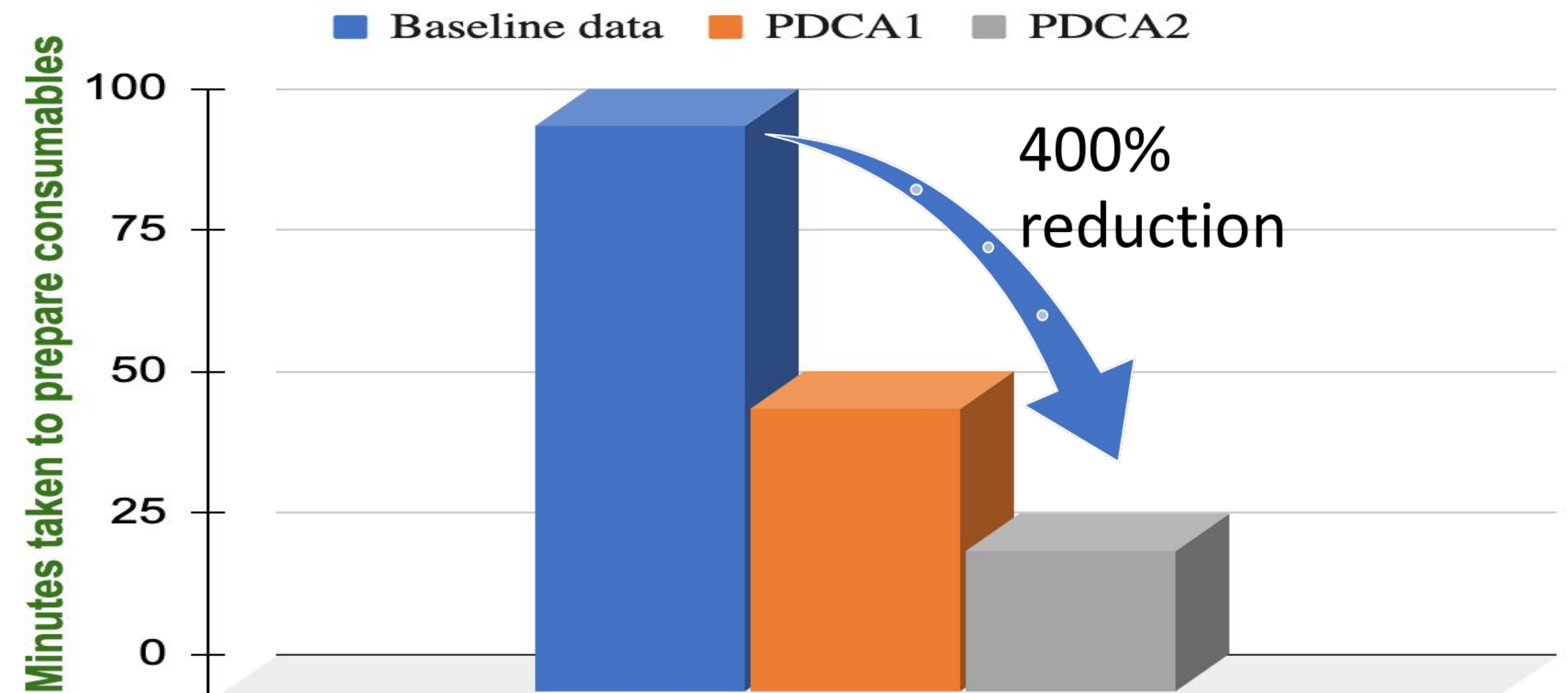
PDCA1: Assigning one dedicated team to prepare the consumables for 10 OTs for the following day. However, the preparation approach resulted in multiple unused items. The unused items were either left in the OT, which made tracking of First in first Out (FIFO) challenging, or returned to central Trolley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

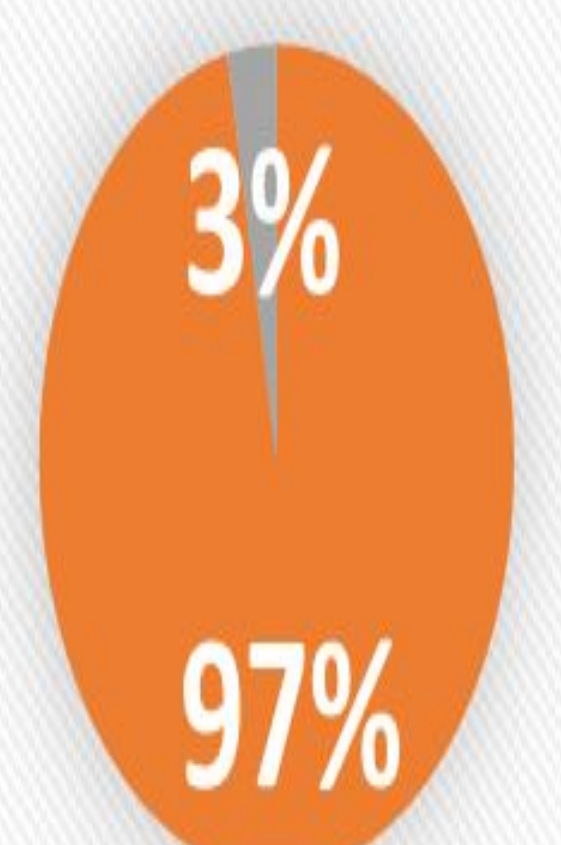
❑ 0% of expired items found

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

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