Streamlining Catheterisation Lab Procedure Workflow

Time Savings

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Background

The Cardiac Catheterisation Lab in National Heart Centre Singapore sees an average of 5600 patients/year and it is on an upward trend due to the increased prevalence of cardiovascular



disease.

To enhance efficiency and staff morale amidst the increasing number of patients for Cath Lab procedures, our team came up with the first ever disposable coronary angiogram set to improve our procedure workflow. This reduced time spent on pre and post procedure preparations so we can cater more time focusing on quality care for our patients.

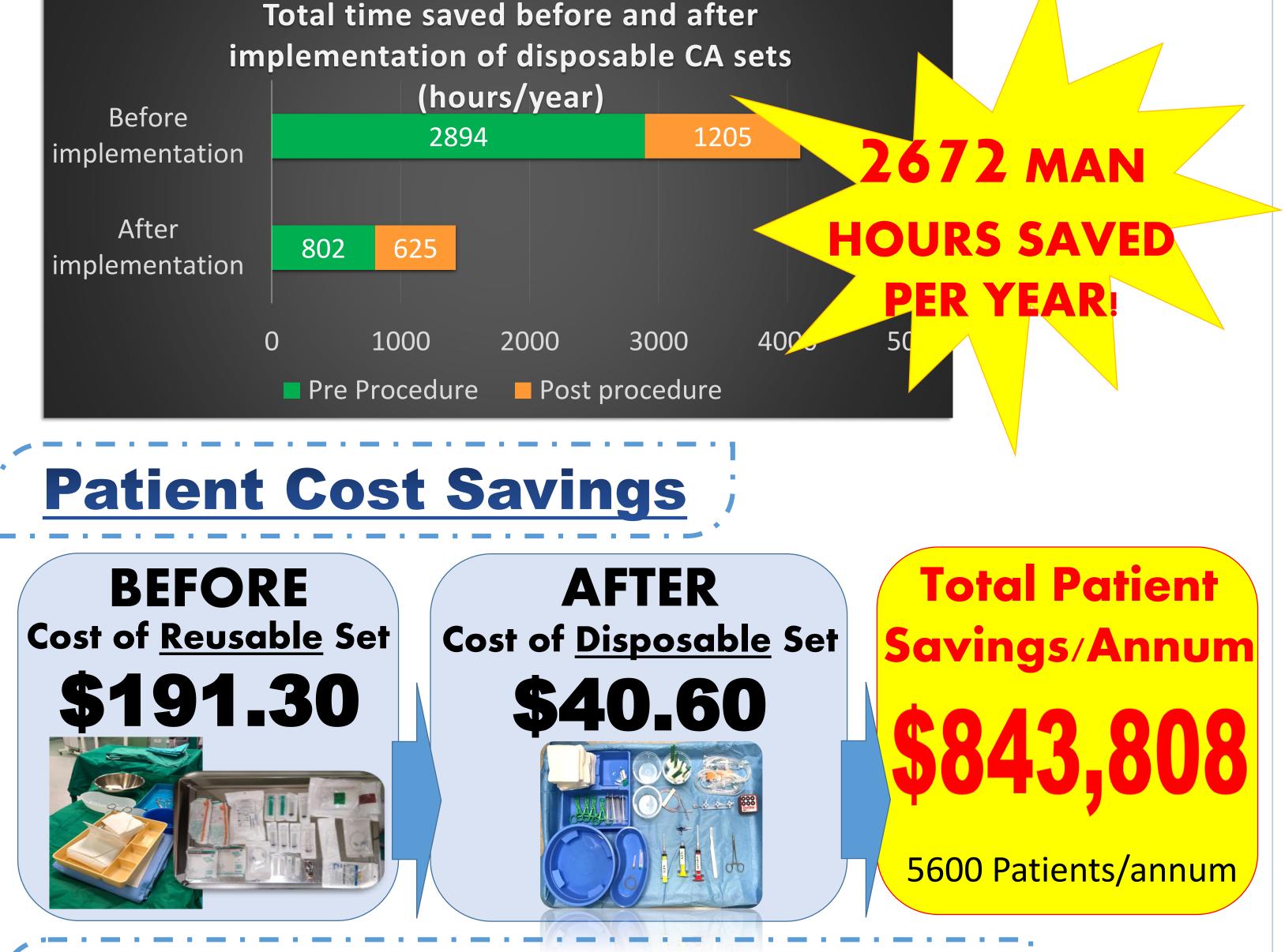
Problems Identified

Time Consuming

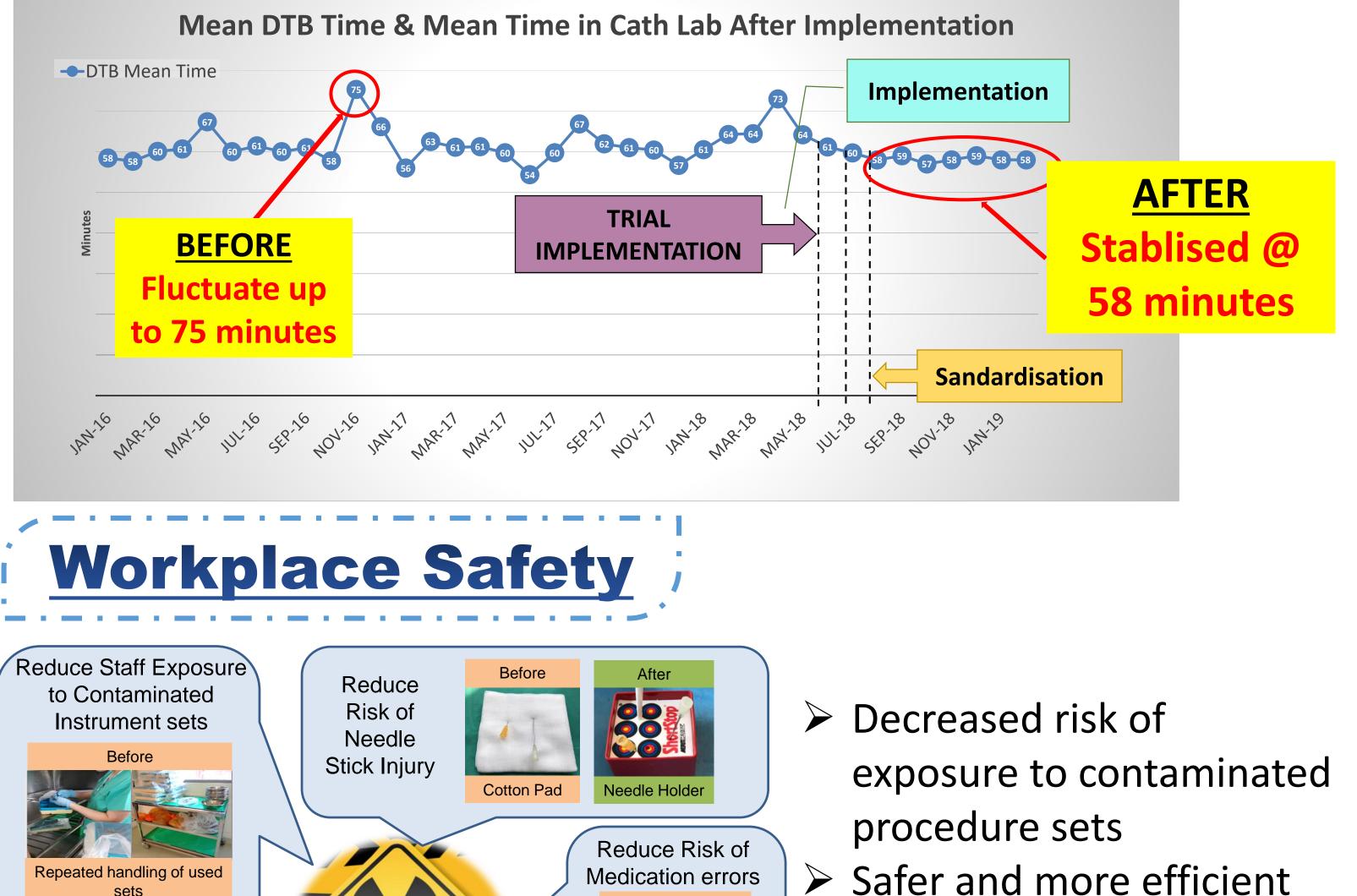
Receiving, scanning and reusable up procedure sets.







Improved Door-to-Balloon Time



Post-procedure, the sets are wrapped and is disposed. Risk of blood splash and time used and count the rinse to instruments is reduced. Sets are no longer sent for sterilization.







procedures are performed Greater Staff satisfaction with the improvement in work process.

Conclusion

With the implemented disposable CA set, we achieved our target to reduce non-value adding work process by 65%. We have reduced the process steps from 11 to 5. The 73 days Items-to-Quote (ITQ) process taken for the multiple items in the past is now consolidated into 1 ITQ. Workplace safety has been improved and survey showed staff satisfaction improved significantly to 93%.