

Improvise.Adapt.Overcome





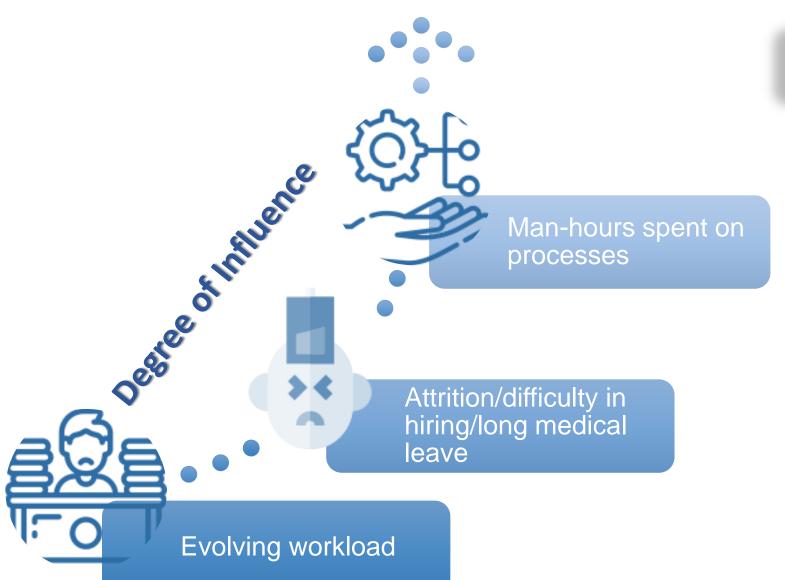


INTRODUCTION

The Covid-19 pandemic has presented us with new challenges and uncertainties. The low staffing levels and difficulty in hiring have prompted us to brainstorm on novel ways to reinstate the balance between workload and staffing. We reviewed our sphere of influence and decided to focus on areas that we can exert a greater influence on — reduction of man-hours spent on work processes.

OBJECTIVES

To streamline processes in Emergency Pharmacy (EP) and Inpatient Pharmacy Automation Service (IPAS) with the ultimate goal in reduction in man-hours so that staff can focus on the delivery of patient care.

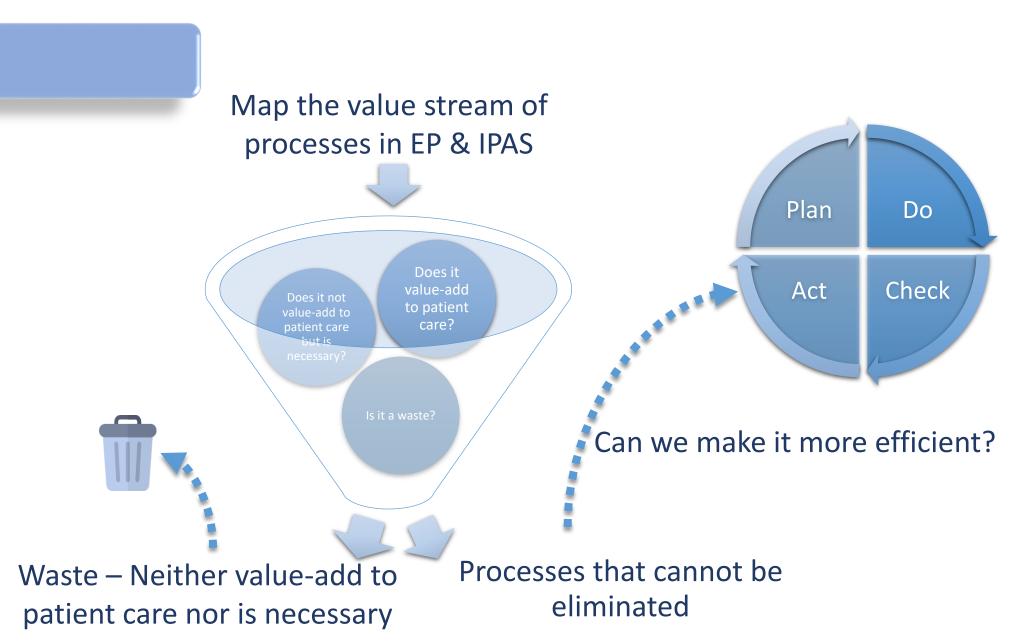


METHODOLOGY

Existing processes in EP and IPAS were analyzed for redundancy improvement using Plan-Do-Check-Act (PDCA) Thinking and Lean methodologies¹.

Pre- and post-intervention time studies were conducted to determine the savings in man-hours.

Numerous opportunities were identified improvement and available resources leveraged as far as possible.



RESULTS

Triage of Phone Counselling of Medications for Patients under Isolation



Phone

counselling

Phone counselling of medications for **ALL** patients under isolation (PUI).







Provide leaflet with drug

PUI with **SIMPLE** medications

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66666

information, allergy status, weight and contact information for enquiries.



For the month post-intervention, $12\% \downarrow$ in phone counselling! 84.8 man-hours saved!



Figure 2: Phone counselling load decreased by 72% after triaging

3. Removal of Manual Counting of Prescriptions



Staff spends an average of 30 minutes a day **counting** prescriptions to tabulate workload from each service.



AFTER

Staff DO NOT need to perform manual counting daily.

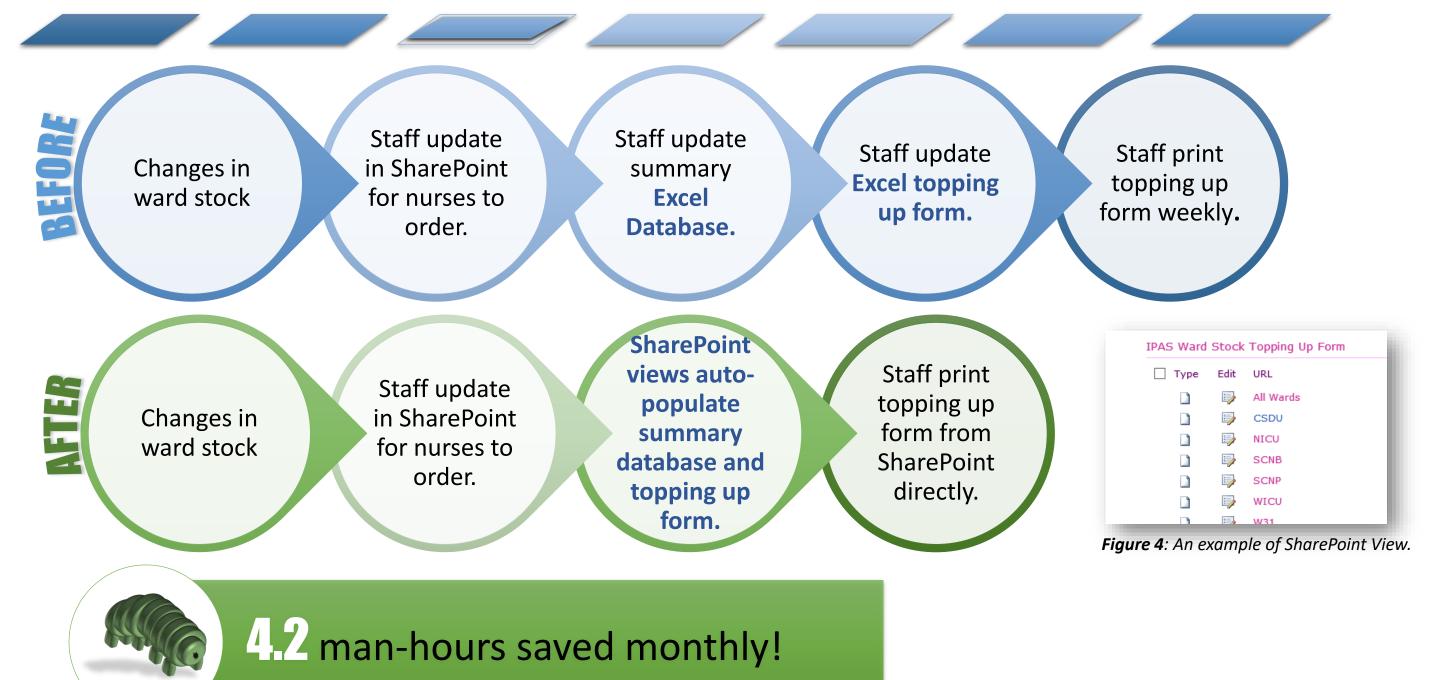
phone counselling of medications for PUI.

Staff import data from queue management system into preformulated template monthly.



man-hours saved monthly!

1. Utilization of SharePoint Views to Streamline Ward Stock Changes



2. Tracking of Phone Counselling Replaced with Issuance of New Queue Series

Queue series were issued based on clinic locations even if they are PUI. Staff spends an average of 30

seconds to fill up one phone counselling record in tracking form. Tracking could not be eliminated.

Many fields in the tracking form AFTER were of little value → Removed! New queue series was created using our current queue management system to facilitate tracking instead.



4. Substitution of Manual Recording of Drug Returns with Photo taking



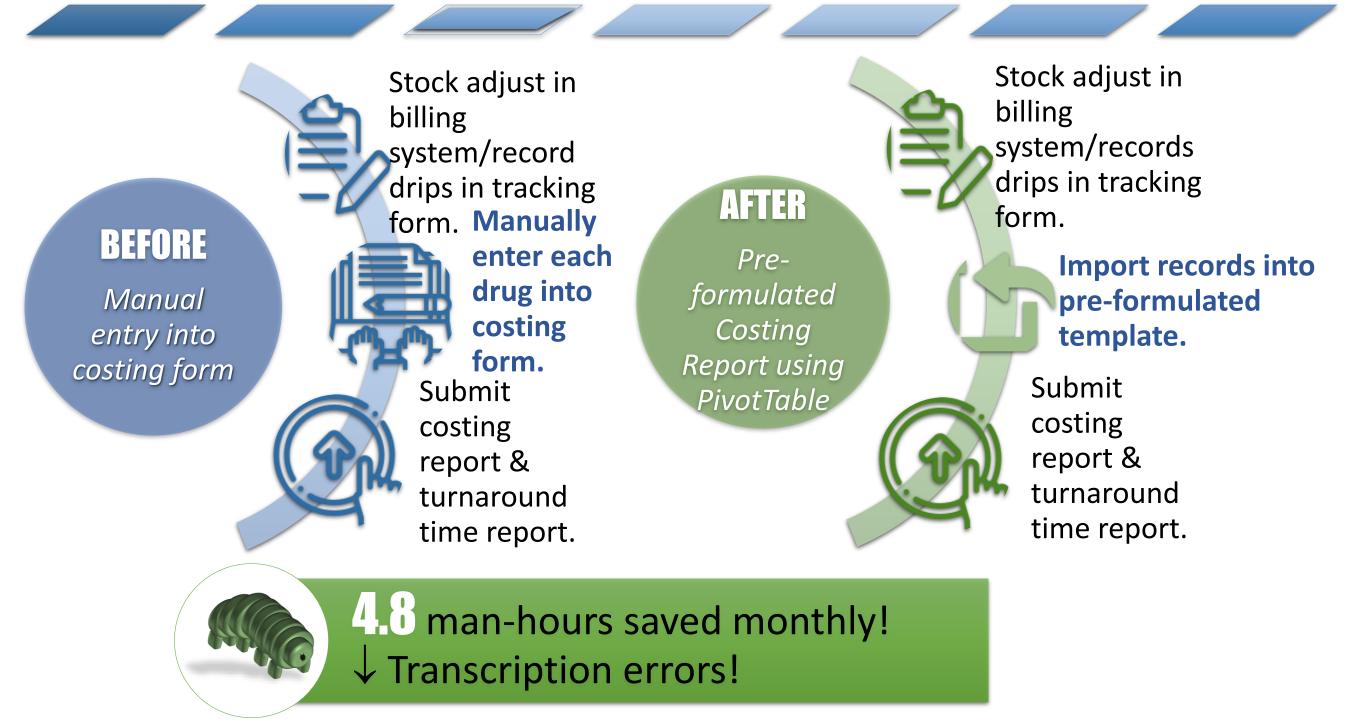
Staff spends an average of **7 seconds** to capture and upload 10

drug returns in a dedicated muted secure chat group.



4.5 man-hours saved monthly! ↓ Paper waste! Ease of investigating inventory discrepancies!

6. Pre-formulated PivotTable for Drug Costing



Solutions implementation costs = \$0

Total of 232.8 manhours savings per month! 2794 man-hours savings per annum!

\$135,411 cost savings per annum!

CONCLUSION

- This study demonstrates that seemingly insignificant differences in how we carry out our work can accumulate to significant time and cost savings, allowing staff to focus on their core responsibilities of delivering quality patient care.
- Change is an inevitable constant and resources are often limited we will continue to review, improve and adapt our processes to overcome the evolving challenges.

ACKNOWLEDGEMENTS

REFERENCES