

# Inventory Sales Control using M.A.M.A (Min and Max Analysis) Approach to Achieve Improvement in Sales





Leo Choo Kuet Fung, Hum Siew Chen, Nur Syifa Binte Abdul Samad, Kelvin Loo Singhealth Pharmacare

## Introduction

With the increasing demands of retail items in large quantity especially the Pharmacare outlets in hospital, the team struggled to find the magic number to manage the inventory level. Below are the issues and challenges encountered.





Leads to
potential loss of
sales and not
meeting
department
sales target.

The need to adopt a more systematic ordering process to ensure products are available which result in increase of sales.

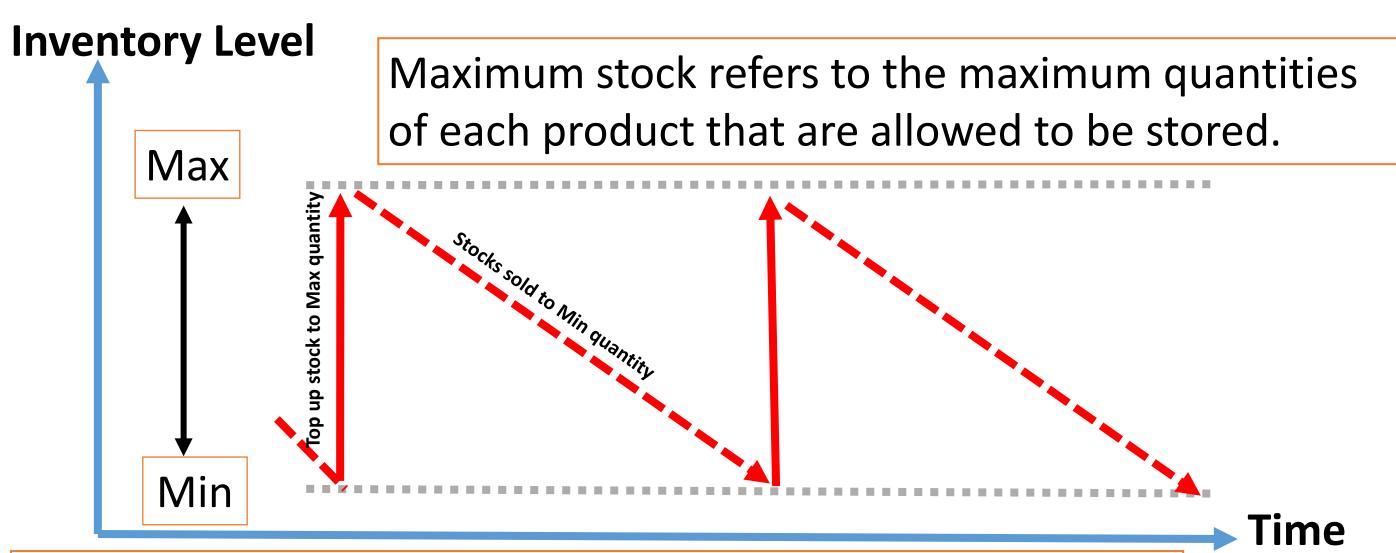
Staff is confused and struggled to meet the ordering quantity required and managing customer reservation cases.

Pharmacare@SGH is the first outlet to pilot this project If the pilot is proven effective, the same process will roll out to other Pharmacare outlets that locate in hospital.

## Methodology



To find the elusive correct inventory level, we adopted the Min and Max Analysis to manage the ordering point. Sales data is used to determine the minimum and maximum stock level.

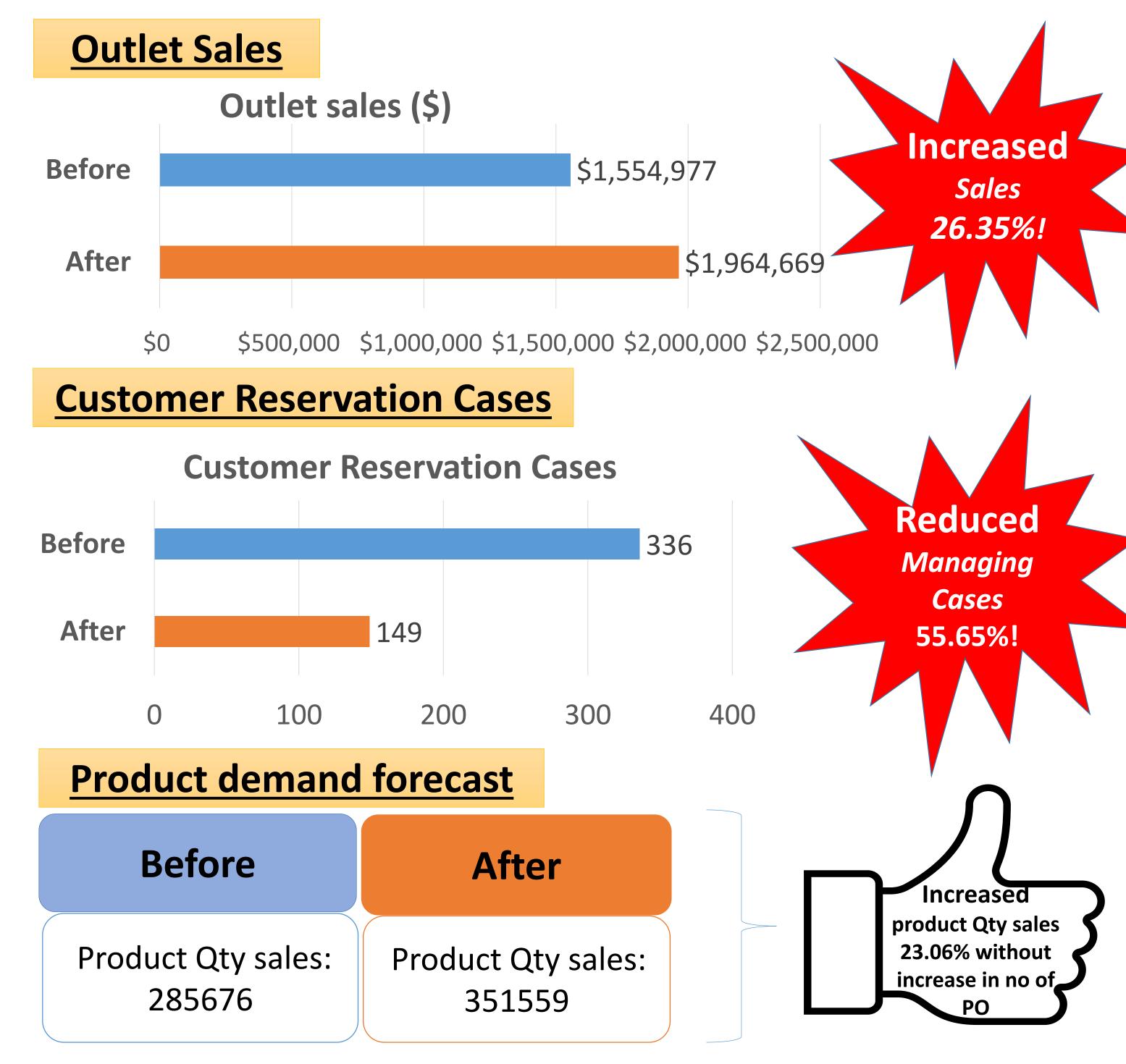


Minimum stock refers to the average period consumption and ordering point for each product.

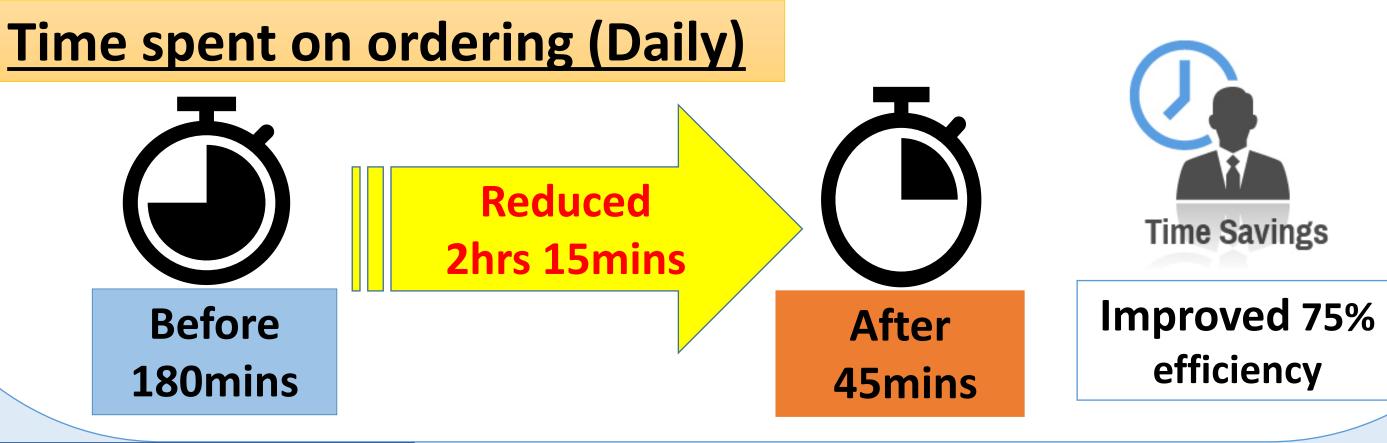
When the product quantity reaches the Min Value, a reorder is triggered. The reorder quantity targets the Max value for the new stock level. The inventory level control within the range of min and max to maintain healthy stock level.

### Results

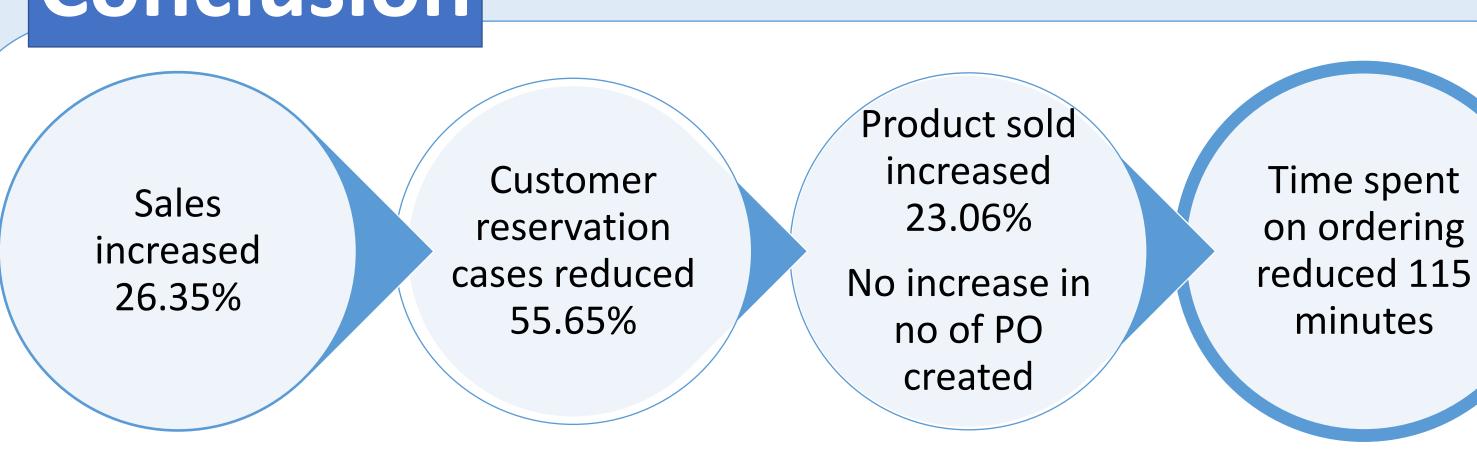
Adopting Minimum and Maximum approach, it has proven to be successful with multiple improvement in sales and processes. Below 6 months comparison before and after M.A.M.A approach (Data between Dec-21 to Nov-22).



On usual circumstances, PO Creation should increase due to higher product sales. However, we are able maintain the PO creation with no changes.



## Conclusion



M.A.M.A approach increased outlet sales significantly with a better demand forecast to reduce insufficient stock. This approach also help to reduce customer reservation cases and streamlines the time spent on stock ordering process.

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