

# National Quality Improvement Conference

Improving the median proportion of SGH Bariatric Surgery Value Driven Care (VDC) patients with Length of stay (LOS)  $\leq$  1 day from 35.7% to 50% in 1 year

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## Problem Statement

Bariatric Surgery is one of the Value Driven Care (VDC) conditions initiated by SGH to be monitored for further improvement. The performance is monitored via Clinical Quality Index (CQI) which is calculated using an 'all-or-none' methodology of a set of outcome indicators.

Amongst the indicators tracked for Bariatric Surgery, 'Post-Operative Length of Stay (LOS)  $\leq$  1 day' has been found to affect the CQI performance significantly. As such, the team decided to investigate ways to improve the length of stay.

## Project Aim

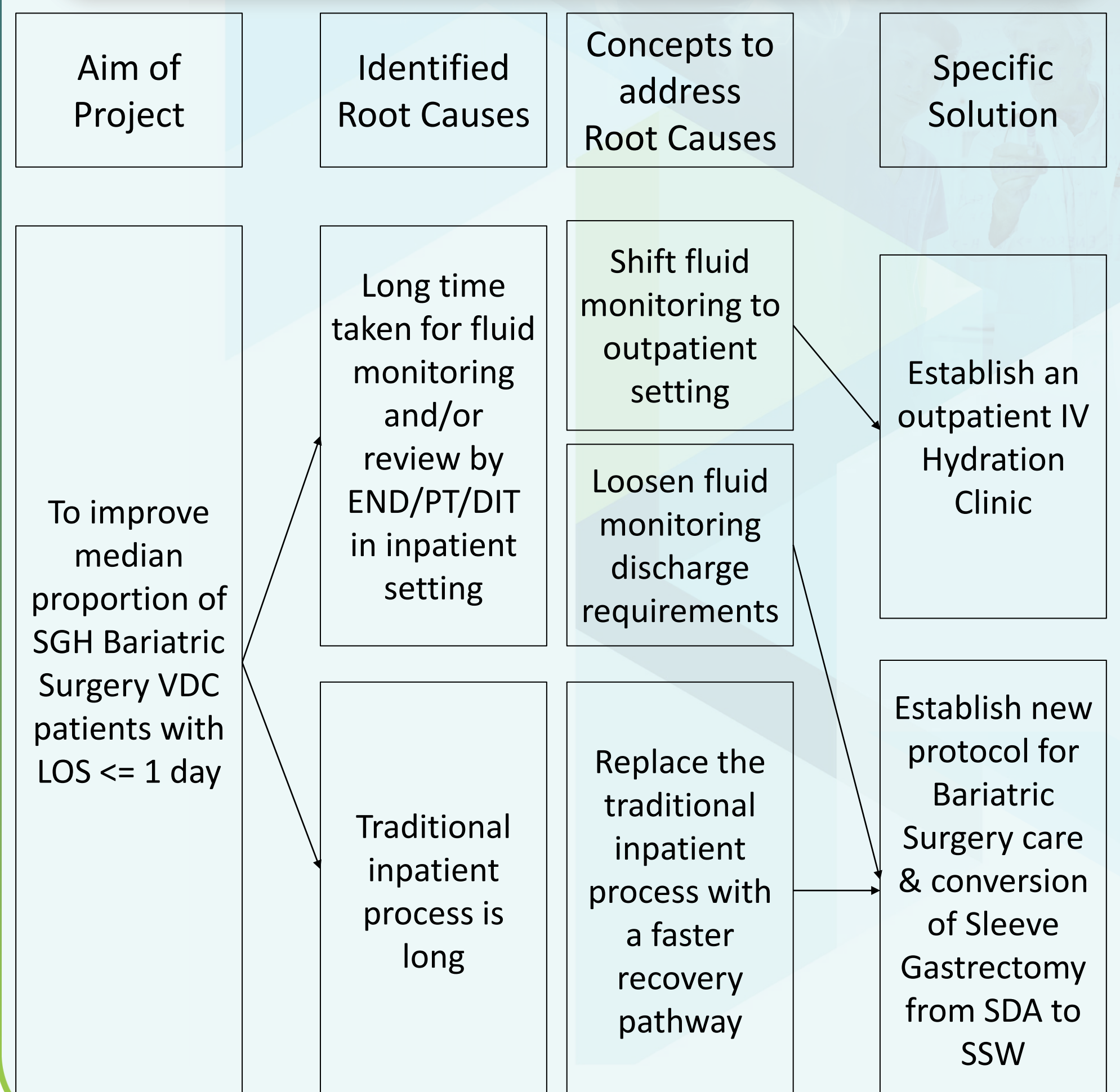
To improve the proportion of SGH Bariatric Surgery VDC patients with LOS  $\leq$  1 day from 35.7% to 50% within 1 year.

## Lessons Learnt

Analysis via sampling of case reviews was done for patients who underwent Bariatric surgery (Jan to Dec 2021) to identify the reasons for the prolonged LOS.

It was found that the main reason for prolonged LOS that could be acted on was monitoring post op (64.2%) (not able to tolerate oral intake/post op reviews).

## Potential Solutions



## Outcomes & Impacts

There was an increase in the performance for post-operative length of stay indicator from pre-intervention median of 35.7% (from Jan 2020 to Oct 2021) to post intervention median of 54.9% (from Nov 2021 to Dec 2022).

The pre intervention median LOS was 2 days, while post intervention LOS was 1 day. Hence, with the difference in median LOS pre and post intervention, and there were 200 cases in 2022, 200 patient days would be saved per year.

