

## Average Cost per Case Reduction Project

In a mission to provide data-driven insights which will provide VMFH a major competitive edge in the healthcare industry while maintaining the Quality and Care for their patients.



KATE CHO
https://www.linkedin.com/in/chok
ate/



SAHIB KAUR

https://www.linkedin.com/in/ka
ursahib/



KHYATI THAKKAR

https://www.linkedin.com/in/khya
timthakkar/



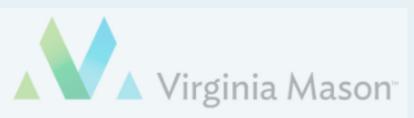
VASUDEV SHIKARI
https://www.linkedin.com/in/vas
udev-shikari/



HARSHA CHETTY
https://www.linkedin.com/in/harsha
-chetty/

### Phase 1: Business & Data Discovery









- 40,000 Procedures / year
- 9 Surgical locations
- 200,000 Supplies / month

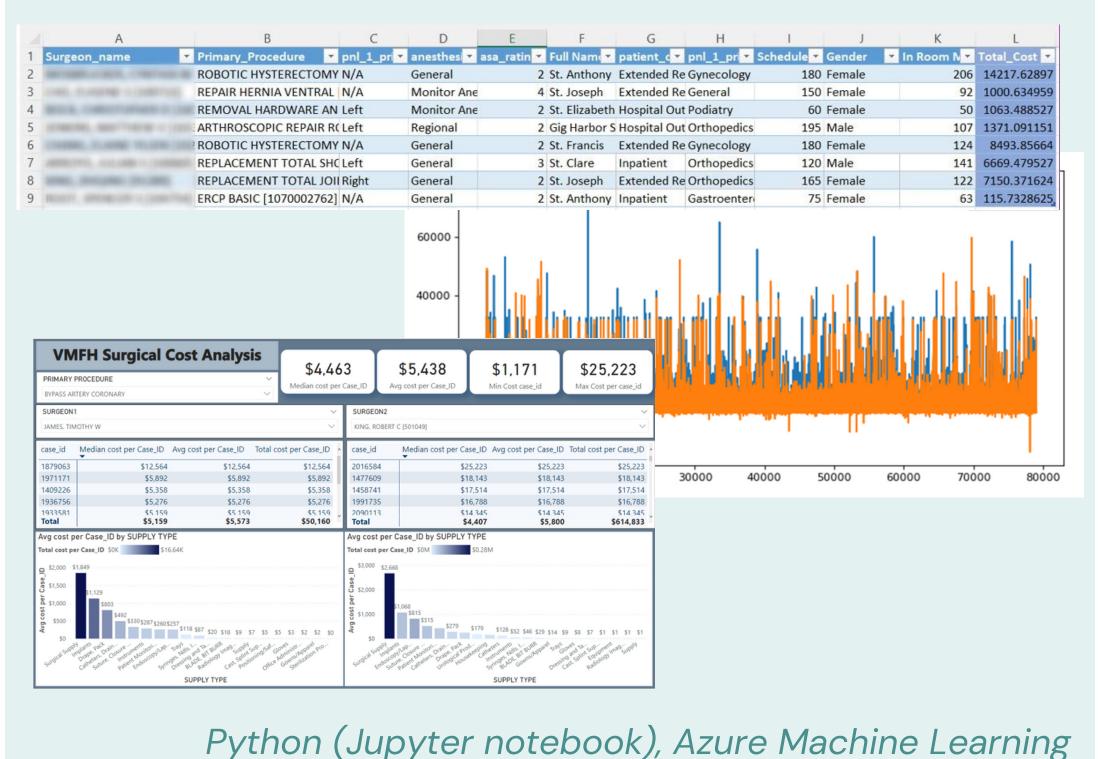
## **Business Opportunity**

Identifying the cost-saving opportunities, outliers, and variations between surgeons, locations, and procedures.

#### Phase 2: Descriptive & Diagnostic Analysis Data type Fixed structural Uploaded data imputed missing correction Identified 28 Wastage Analysis for Cost Saving Opportunities Created a new Sampled 70% of elevant columns the data using column- "No. of based on the Reposable uses" Azure ML Histogram of APProjdata\$Actua Waste Count by Patient Class and Add-on Surge 50000 Frequency APProjdata\$Actual\_in\_room\_minutes

R, Microsoft SQL Server Management Studio (SSMS), Excel, Tableau

## Phase 3: Predictive & Prescriptive Analysis



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