



Health and Medical Expense in Singapore

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Health and Medical Expense : FACTS AND STATS



Medical History

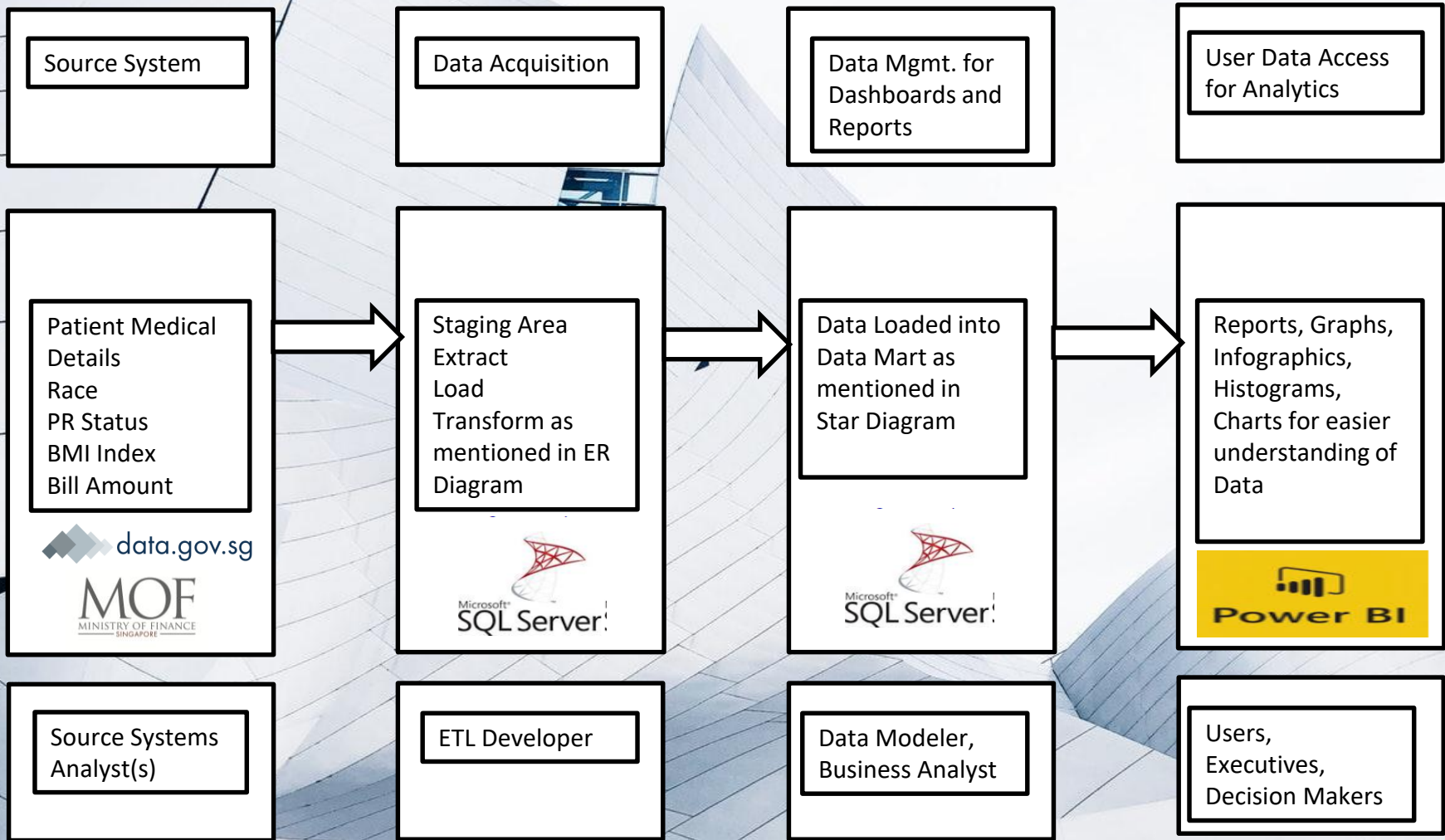
This explains the complications and the corresponding pre op medication given for the patients.

Physical Characteristics

Here we analyze how weight, height and age of the patients play a major role in the medical expenses.

Social Status

This shows how the lifestyle and food habit of each race affect the health and correspondingly the medical expenses.





A DATA STORY

- Our primary goal is to see the medical trend among people living in Singapore.
- Analyse the factors which contribute towards disease among people .
- Analyse the factors which boost the medical expense.
- To do these analysis we need to split in three different perspectives as shown in the next slide.
- By understanding the underlying factors we can attack on those areas which affect the people's health and bring down the medical expenses.

3 Perspective of Health and Expense Analytics



Medical History

The medical conditions which the patients already have

The pre opt medication which the patients are given before the specialised treatment.

Physical Characteristics

Age plays an important role for the medical expense.

Also the height and over weight which causes obesity contribute to disease among people.

Interestingly even Gender plays an important role in the medical expense.

Social Status

Each race has a different life style, hence the food habits differ. This obviously plays an important role in health.

Residential status is also considered since the medical expenses of expats is way higher than that of PR or Citizens.

DASHBOARD MOCKUP



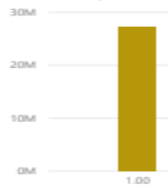
Expense Splits by Medical History & Pre-Ops

Total Bill Amount

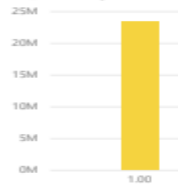
92,648,451.08

Top-3 Break up by Medical History

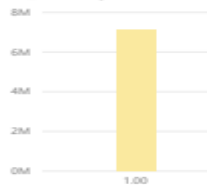
Bill_Amount by Diabetes



Bill_Amount by Cholestral

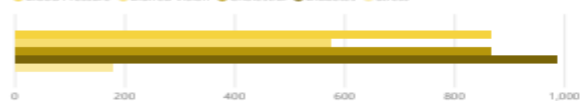


Bill_Amount by Blood Pressure



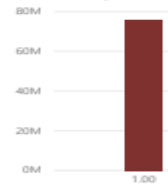
Count of Patients by Medical History

Blood Pressure Blurred Vision Cholestral Diabetes Stress

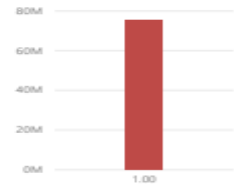


Top-3 Break up by Pre-Ops Medication

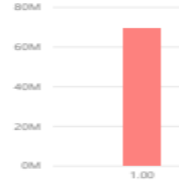
Bill_Amount by Diet_PO



Bill_Amount by Physiotherapy_PO



Bill_Amount by Level1_PO



Count of Patients by Pre Ops Medication

Physiotherapy_PO Diet_PO Level1_PO Level2_PO Level3_PO



Data Source: MOF, HDB