

Business Problem Statement

A leading hospital wants to better understand its patients flow while maintaining quality care. The management team has noticed changes in admission pattern across departments, experience surging patient volumes during peak hours and seasons, causing cascading delays in bed handovers, diagnostics, discharges and increasing wait time of patients affecting satisfaction across age groups and gender. Task is to analyse hospitals patients flow to answer the following business question

“How can hospital can leverage healthcare data to identify patient flow, wait time across departments, satisfaction scores of age groups and genders to optimize patient flow and maintaining quality”

Outputs

- 1 **Data Preparation** Clean and transform raw data for analysis.
- 2 **Data Analysis** Use queries to extract business insights.
- 3 **Visualization** Build an interactive dashboard that highlights key insights.
- 4 **Report:** Write a clear project report summarize key findings and actionable recommendations to management that visually communicates insights.