

## **Objective:**

To analyze patient demographic and medical data to uncover patterns in disease prevalence, treatment outcomes, and patient demographics (age, gender, mortality). This analysis aims to assist healthcare providers in identifying high-risk patient groups, improving treatment plans, and enhancing patient outcomes through data-driven decision-making.

## **Questions:**

1. What is the total number of patients?
2. How is the patients' population distributed by gender?
3. Patients' Age-group by total visit
4. Which diseases are most commonly diagnosed among the patients?
5. Are certain diseases more prevalent in one gender compared to the other?
6. Calculate the duration of each patient stay and create a group to show numbers of patients in each group.
7. For any records with a recorded course of death, analyze pattern to identify risk factor
8. What are the percentage of the following patients: diseased, under treatment and recovered?