Patient ID, Full Name, Age, Gender, Contact, Address, Emergency Contact, Insurance, Insurance Provider, Insurance Number, Allergies, Current Medications, Pre-existing Conditions, Chief Complaint, Admission Date, Discharge Date, Final Diagnosis, Treatment Cost, Follow-up Appointment, Discharge Summary, Current Condition, Is\_Follow\_Up\_Appointment\_Fixed, Current Condition Level, Previous Medical Complications

**Age**

1 to 100

**Gender**

1. Male
2. Female
3. Other

**Insurance**

Yes or No

**Allergies**

1. Null
2. Dust
3. Peanuts
4. Latex
5. Penicillin
6. Pollen

**Current Medication**

1. Null
2. Aspirin
3. Ibuprofen
4. Paracetamol
5. Metformin

**Pre-existing Conditions**

1. Null
2. Asthma
3. Diabetes
4. Heart Disease
5. Hyper Tension
6. Thyroid

**Chief Complaint**

1. Fatigue
2. Fever
3. Chest Pain
4. Headache
5. Cough

**Final Diagnosis**

1. Diabetes
2. Fracture
3. Hypertension
4. Migraine
5. Viral Infection

**Treatment Cost**

500.83 to 9997.33 USD

**Dates**

January 2024 to December 2024

**Current Condition**

1. Under Observation
2. Stable
3. Recovering
4. Infection

**Is\_Follow\_Up\_Appointment\_Fixed**

Yes

No

**Current Condition Level**

1. Under Observation = 0
2. Stable = 1
3. Recovering = 2
4. Infection = 3

**Previous Medical Complications**

Yes

No

**📌 Page 1: Patient Overview & Medical Insights**

**1️. Patient Demographics & Insurance**

* **Card Visuals:**
  + Total Patients
  + Male vs. Female vs. Other (Pie Chart)
  + Patients with Insurance (Yes/No) (Donut Chart)
* **Bar Chart:** Age distribution of patients (Grouped by gender)

**2️. Medical History & Current Condition**

* **Treemap:** Most common allergies
* **Pie Chart:** Distribution of pre-existing conditions
* **Stacked Bar Chart:** Current Condition (Under Observation, Stable, Recovering, Infection)
* **Gauge Chart:** Percentage of Follow-Up Appointments Fixed

**3️. Chief Complaints & Final Diagnosis**

* **Column Chart:** Frequency of Chief Complaints
* **Clustered Bar Chart:** Chief Complaints vs. Final Diagnosis

**📌 Page 2: Financial & Treatment Insights**

**1️. Treatment Cost Analysis**

* **Card Visuals:**
  + Average Treatment Cost
  + Highest & Lowest Treatment Cost
* **Bar Chart:** Treatment cost comparison (Insured vs. Non-Insured)
* **Stacked Column Chart:** Treatment cost by final diagnosis

**2️. Hospitalization & Follow-Up Analysis**

* **Timeline Chart:** Patient admissions & discharges (January to December 2024)
* **Table:** Follow-Up Appointments by Final Diagnosis & Current Condition

**3️. Complications & Risk Assessment**

* **Pie Chart:** Patients with vs. without previous medical complications
* **Heatmap:** Pre-existing conditions vs. final diagnosis vs. treatment cost

**🔹 Additional Features:**

✅ **Filters & Slicers:** Gender, Age, Insurance Status, Diagnosis, Current Condition  
✅ **Drill-Through:** Click on a diagnosis to see related treatment costs and follow-up details