



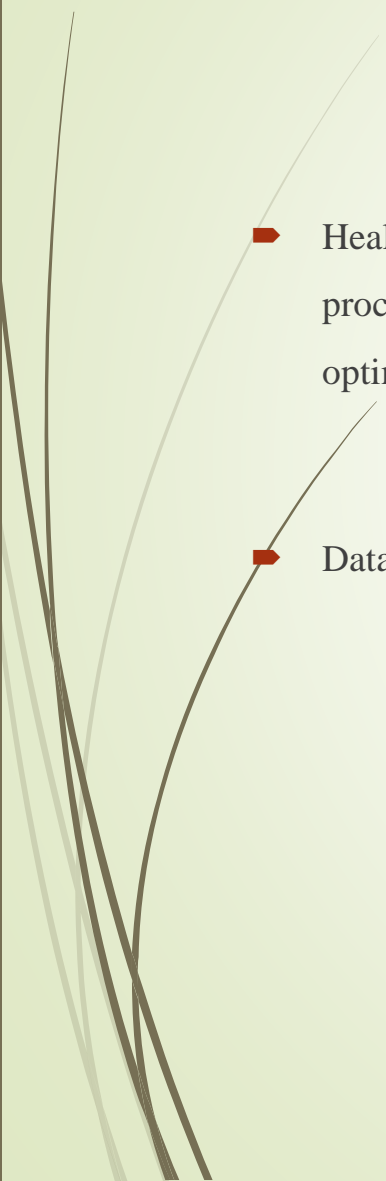
HEALTHCARE PROVIDER DASHBOARD

Healthcare Dashboard Insights

- **Overall Revenue** – Total billing reached **\$3.36M**, with treatment costs (\$3M) being the biggest contributor, while room charges (\$180K) had minimal impact.
- **Procedure Performance** – **X-Ray (31%)** and **CT Scan (24%)** generated over half of procedure-related revenue, highlighting them as the top diagnostic services.
- **Diagnosis & Services** – **Asthma (29.7%)** and **Fracture (29.6%)** accounted for the highest billing share, with **Inpatient services (56%)** driving the majority of revenue compared to Emergency (29%) and Outpatient (14%).
- **Departmental Contribution** – **Cardiology (25.2%)**, **Orthopedics (24.2%)**, and **General Surgery (23.3%)** together contributed more than 70% of total departmental billing, making them the hospital's top revenue centers.



Problem Statement

- Healthcare providers struggle to track revenue drivers and cost distribution across treatments, procedures, and departments. A consolidated dashboard is needed to monitor key KPIs, optimize resources, and support data-driven decisions.
 - Data-set: [Datasets](#)
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KPI's Requirement

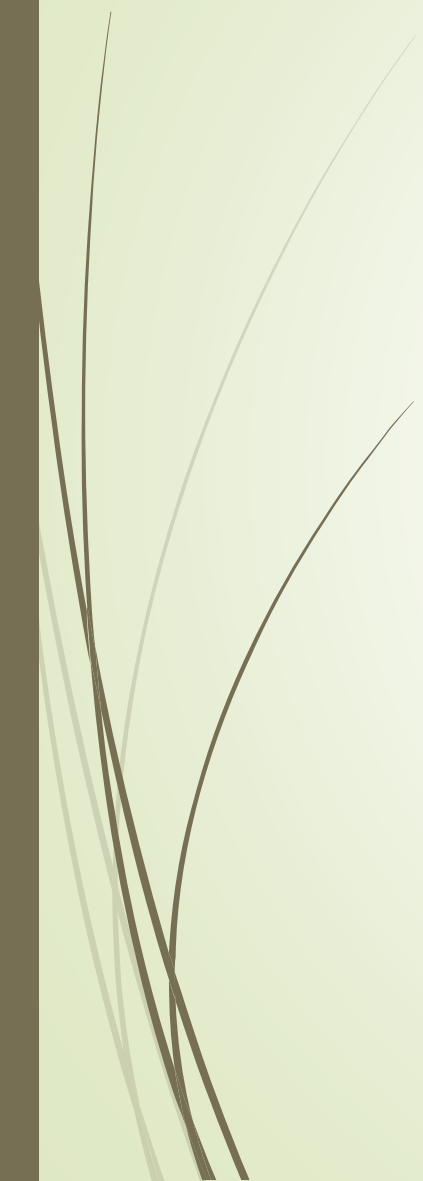
We need to analyse key indicators for our Healthcare provider data to gain insights into our business performance. Specifically, we want to calculate the following metrics:

- **Total Billing Amount**
- **Total Medication Cost**
- **Treatment Cost**
- **Total Insurance coverage**
- **Out-of-pocket**
- **Total Room charges**
- **Average Medication Cost**
- **Average Treatment Cost**
- **Average Total Insurance coverage**
- **Average out-of-pocket**
- **Average total room changes**



Charts Requirement

We would like to visualize aspects of our Healthcare provider data to gain insights and understand key trends. We have identified the following requirements for creating charts:

- **Total Billing Amount by city**
 - **Total Billing Amount by Procedure**
 - **Total Billing Amount by Diagnosis and service trends**
 - **Total Billing Amount by Department.**
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HEALTHCARE PROVIDER DASHBOARD

All

All

GO TO DARK MODE

Billing Amount

\$3.36M

Average Billing Amount Per visit \$674.86

Medication Cost

\$546K

Average Medication Cost \$109.21

Treatment Cost

\$3M

Average Treatment Cost \$526.08

Total Insurance

\$2M

Average Insurance Coverage \$456.04

Out-of-pocket

\$1M

Average out-of-pocket \$227.26

Total Room charges

\$180K

average room charge \$36.12

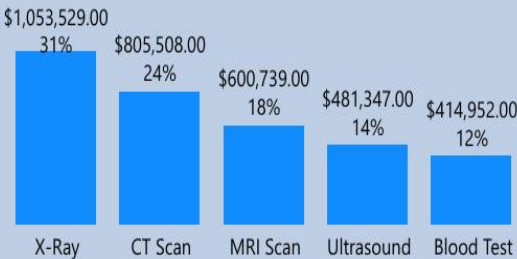
City

State

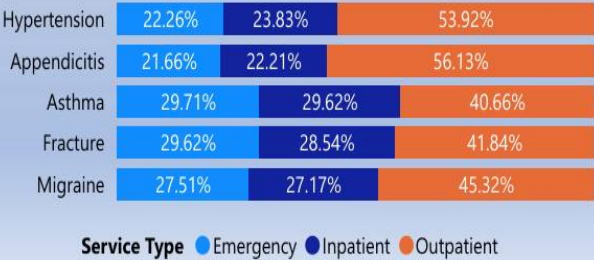
Total Billing Amount by City



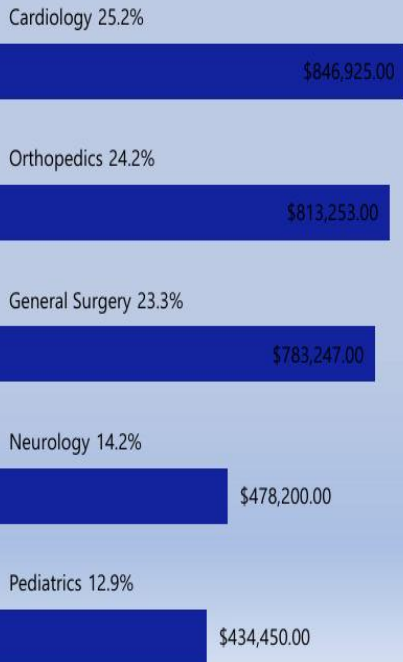
Total Billing Amount by Procedure



Total Billing Amount by Diagnosis and Service Type



Total Billing Amount by Department



HEALTHCARE PROVIDER DASHBOARD

All



All



← GO TO LIGHT MODE

Billing Amount

\$3.36M

Average Billing Amount Per
visit \$674.86

Medication Cost

\$546K

Average Medication Cost
\$109.21

Treatment Cost

\$3M

Average Treatment Cost
\$526.08

Total Insurance

\$2M

Average Insurance
Coverage \$456.04

Out-of-pocket

\$1M

Average out-of-pocket
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Total Room charges

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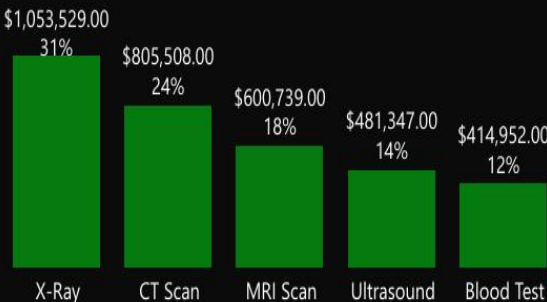
City

State

Total Billing Amount by City



Total Billing Amount by Procedure



Total Billing Amount by Diagnosis and Service Type



Service Type: Emergency (Blue), Inpatient (Green), Outpatient (Red)

Total Billing Amount by Department

