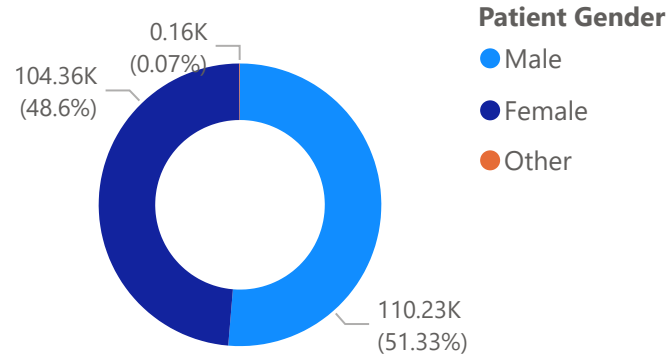
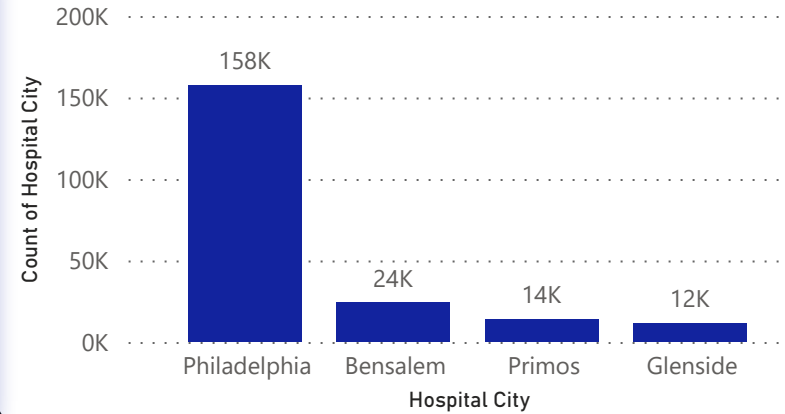


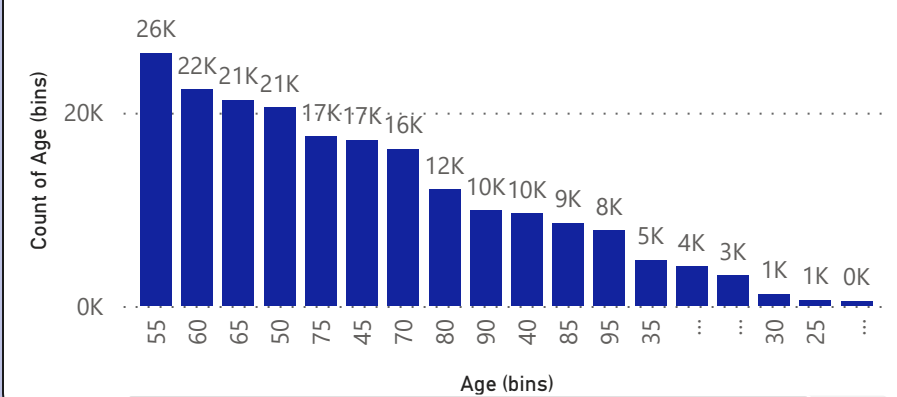
Patient's Gender



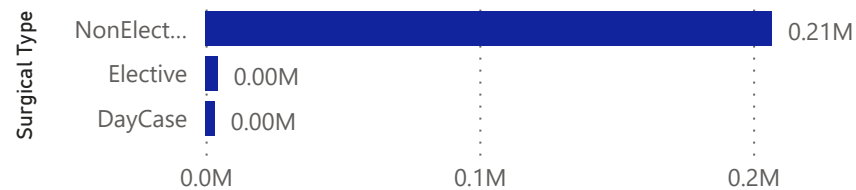
Count of Patients Admitted in each Hospital City



Age Distribution of Patients



Count of Surgical Type by Surgical Type

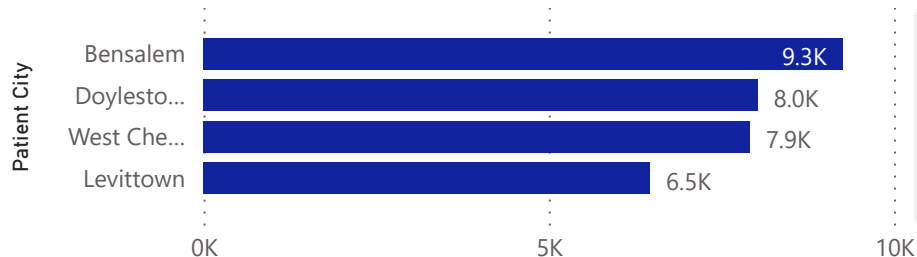


Surgical Type	Age [0-20]	Age [21-40]	Age [41-60]	Age [61-80]	Sum of 81+
NonElective	9	8740	72923	70928	43504
Elective		32	2563	1393	233
DayCase		58	1741	495	861
Total	9	8830	77227	72816	44598

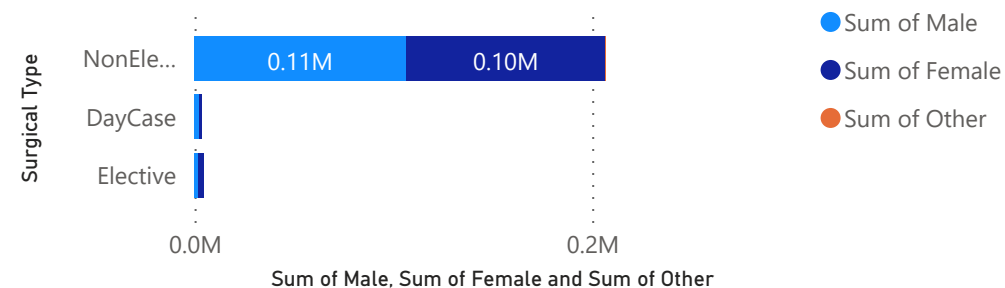
Age Distribution within Surgical Types:

- **Non-Elective:** Skewed towards older age groups, with a significant number in the 41-60 and 61-80 ranges.
- **Day Case:** Predominantly in the 0-20 age range, indicating potentially less complex or minor procedures.
- **Elective:** Spread across all age ranges, suggesting a diverse range of elective surgeries

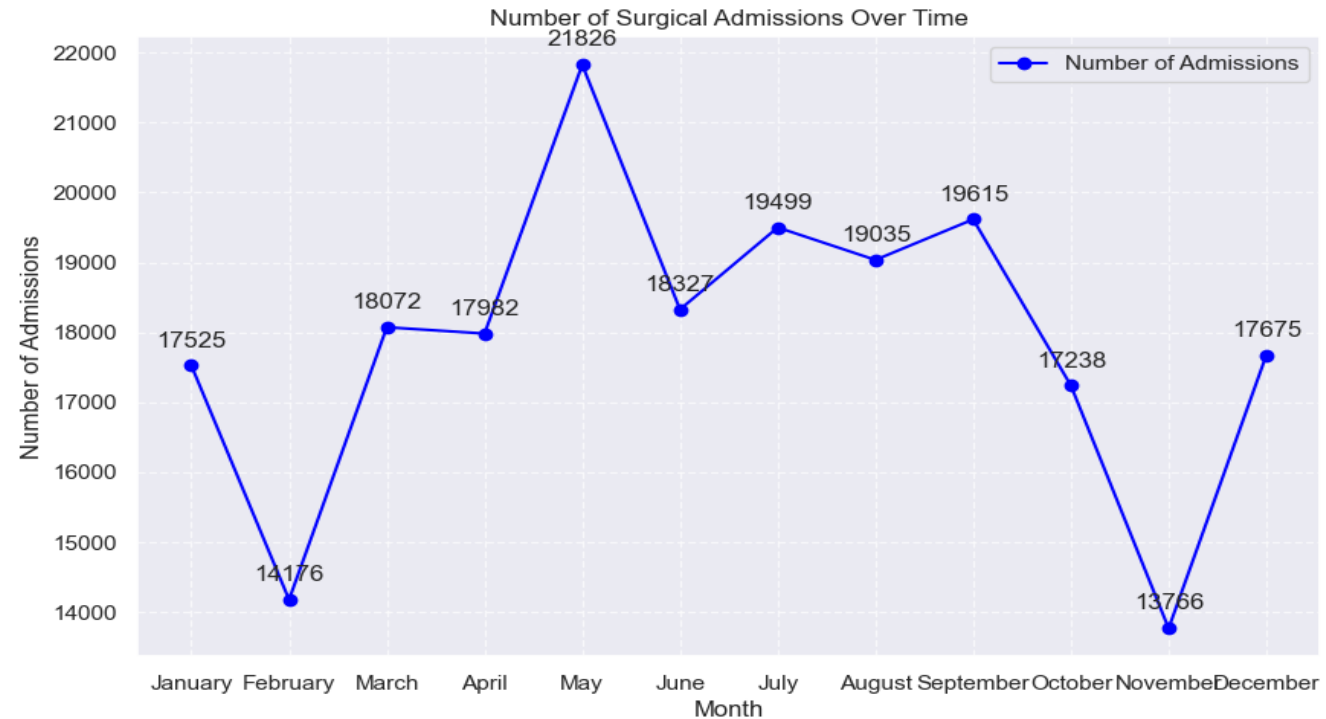
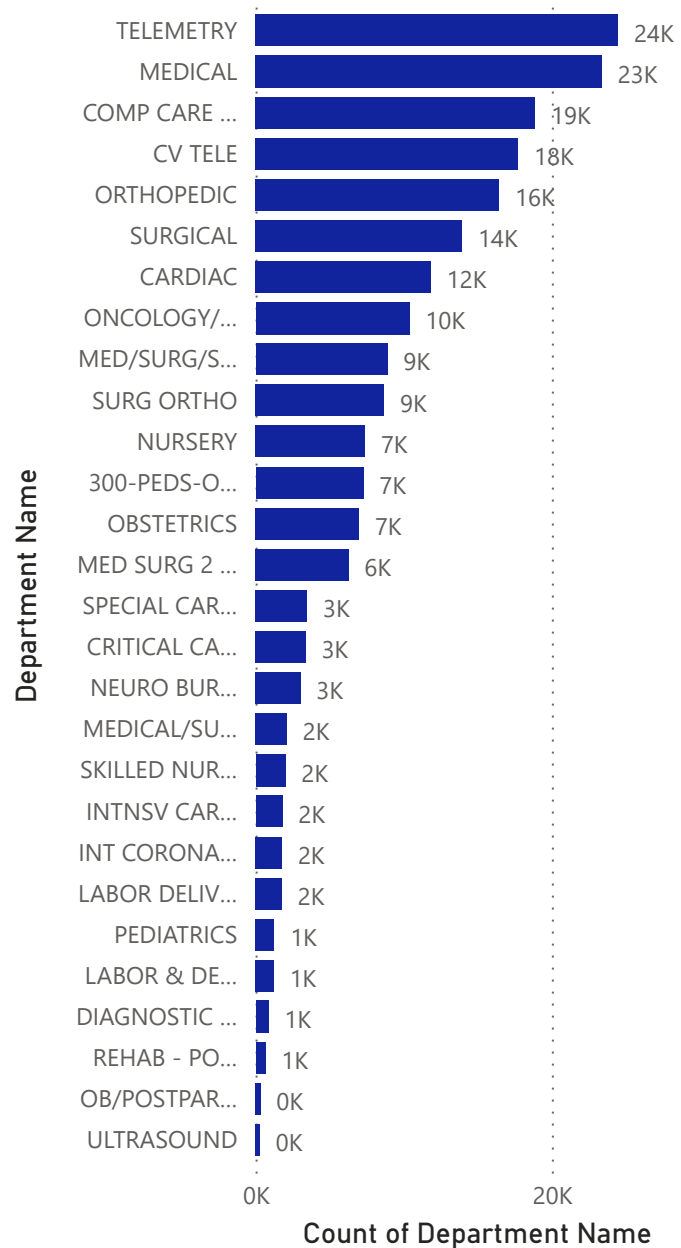
Patient Count per city



Surgical Type Counts among Gender



Count of Department Name by Department Name

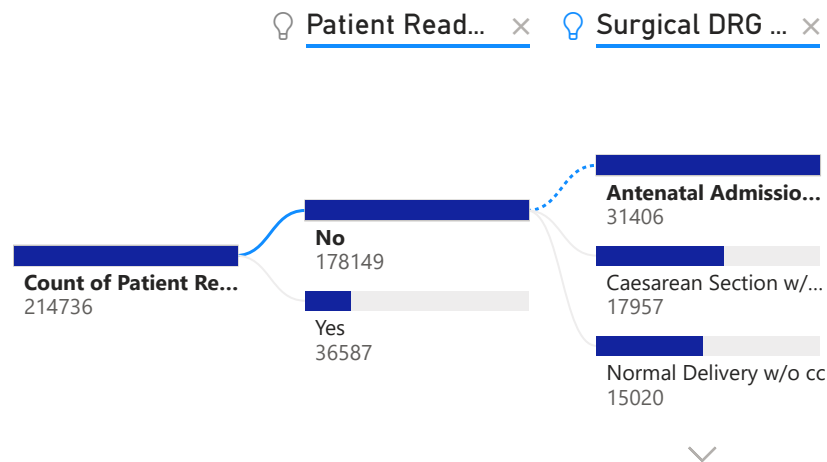


Throughout the entire year:
Months witnessing the highest surgical admissions were:

i) **May, registering the peak admission count** at approximately 21,826 patients.

ii) **June, July, and August** recorded nearly equal admission numbers, each hovering around 19,000.

Conversely, months with the lowest admissions were:



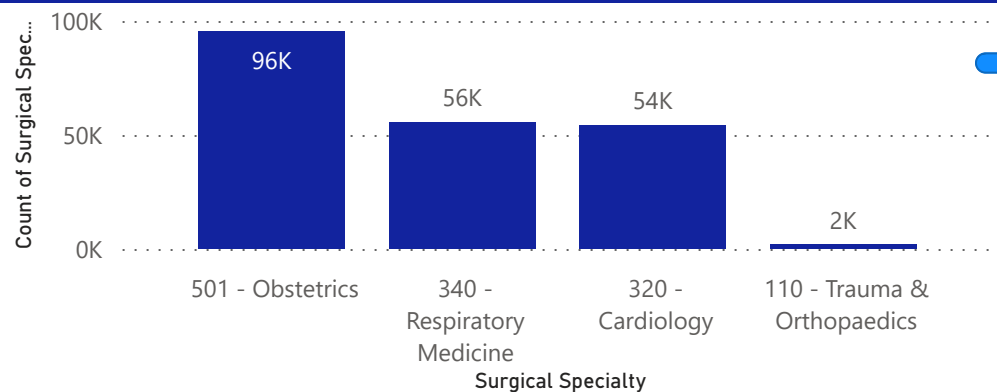
1. Readmission Rate Overview:

- Total patients admitted for surgery: 100%
- **Readmitted for surgery: 17%**

2. Breakdown by Surgery DRG Types:

- Top 3 Highest readmission rates observed in:
 - Antenatal Admission not related to delivery events
 - Complex Elderly with a Respiratory System Primary Diagnosis
 - Acute Myocardial Infarction without CC surgery DRG type

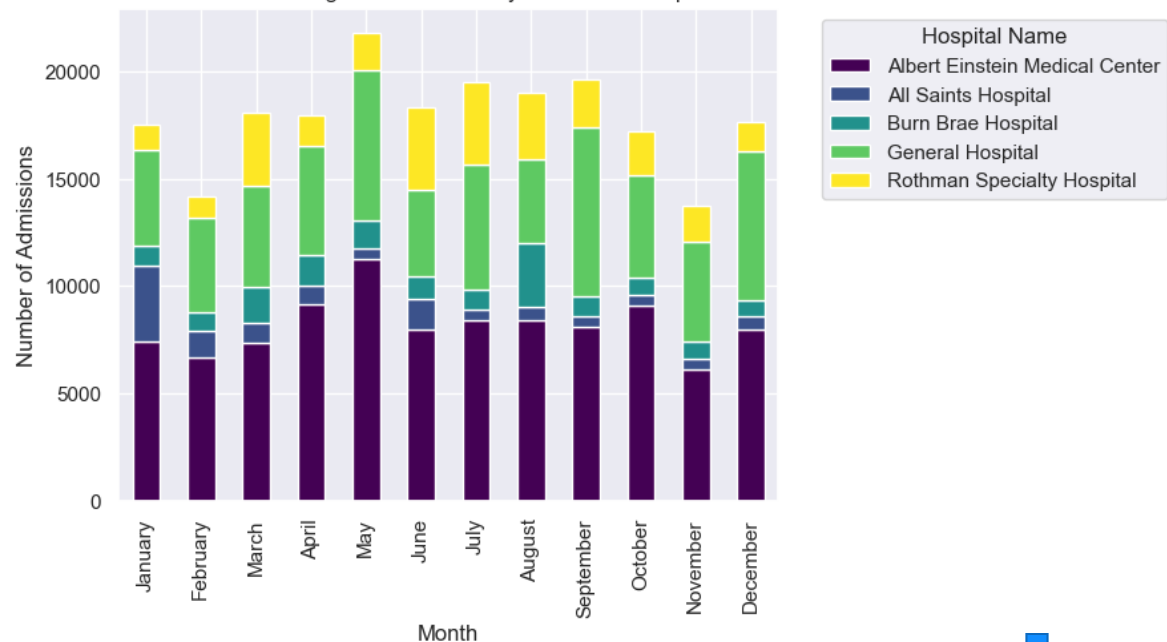
Count of Surgical Specialty by Surgical Specialty



Opportunities for Pharmaceutical Companies:

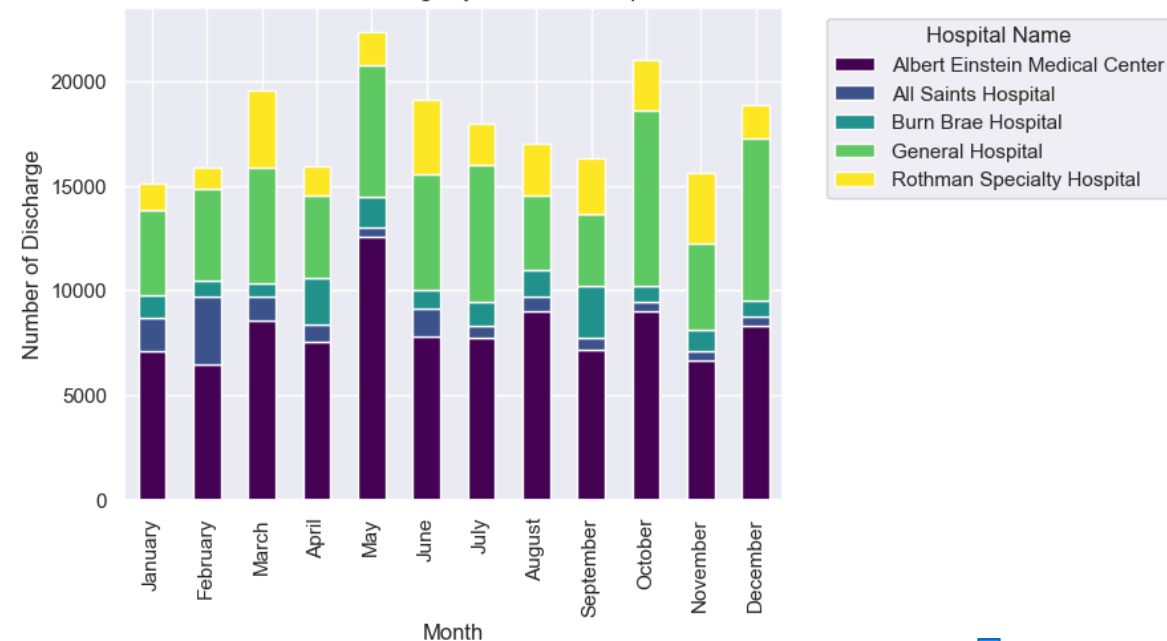
- Obstetrics Focus:** Capitalize on the substantial volume of obstetric cases by developing medications and solutions tailored to maternal care and childbirth.
- Respiratory Medicine Support:** Address the significant demand for respiratory medications and treatments, providing solutions for respiratory conditions.
- Cardiology Solutions:** Seize the opportunity in the cardiology space by developing medications and therapies to support cardiovascular health.
- Orthopaedic Innovations:** Explore the orthopaedic market by developing medications and solutions related to trauma management and orthopaedic care.

Number of Surgical Admissions by Month and Hospital



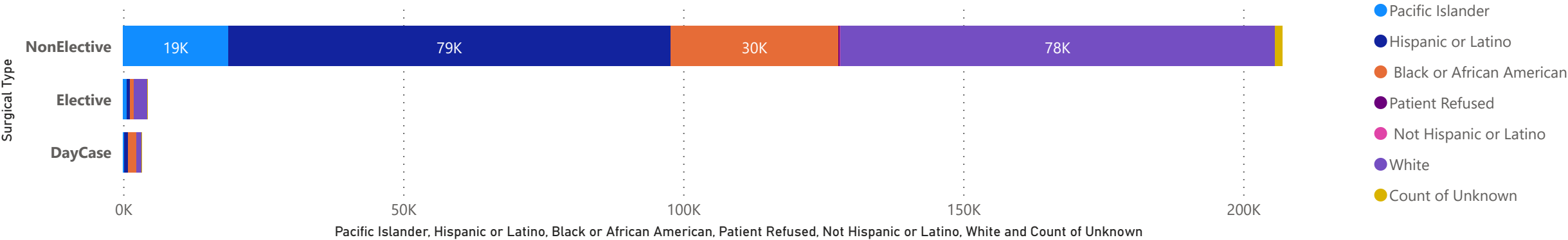
- May experienced the highest number of patient admissions across all hospitals, with Albert Einstein Medical Center and General Hospital emerging as the leading institutions in terms of the most discharged patients.

Number of Discharge by Month and Hospital

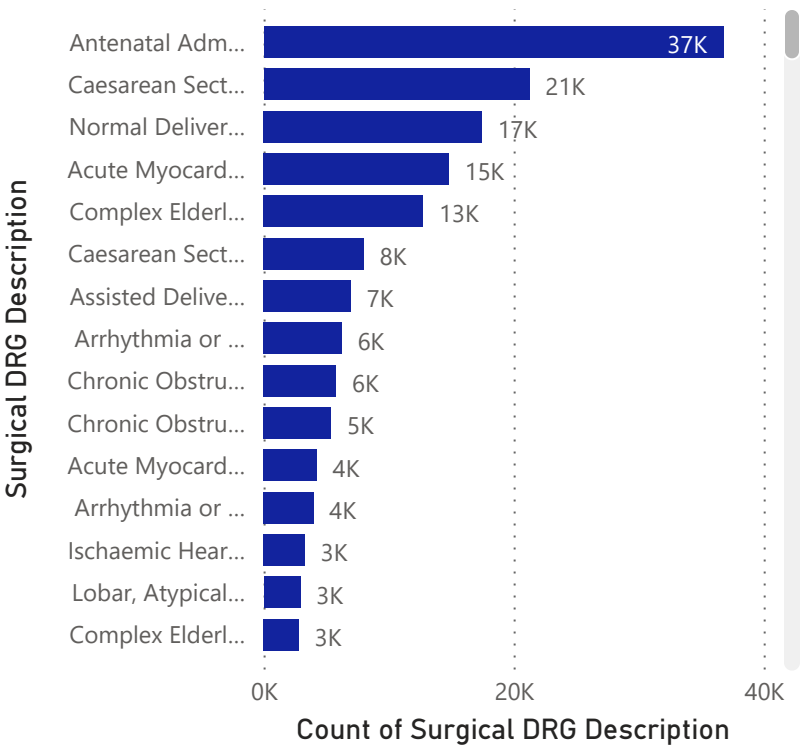


- May experienced the highest number of patient discharges as well across all hospitals, with Albert Einstein Medical Center and General Hospital emerging as the leading institutions in terms of the most discharged patients.

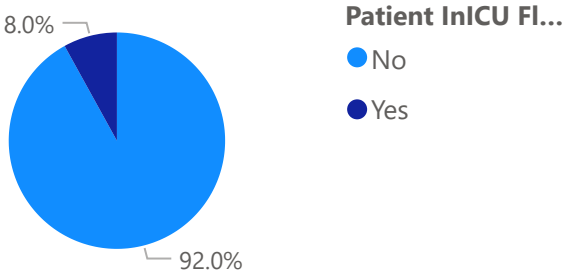
Ethnicity and Surgery Type Relationship: Analyzing Demographic Patterns



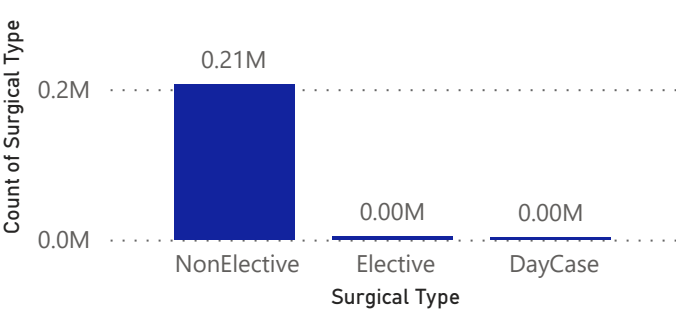
Dominant Surgical Procedures: Unveiling the Most Common DRGs



ICU Admission Percentage: Understanding Critical Care Utilization



Surgery Type Distribution: Insight into Procedure Preferences



Surgical Resource Distribution: Count of Each Surgical Resource Used

