

Introduction

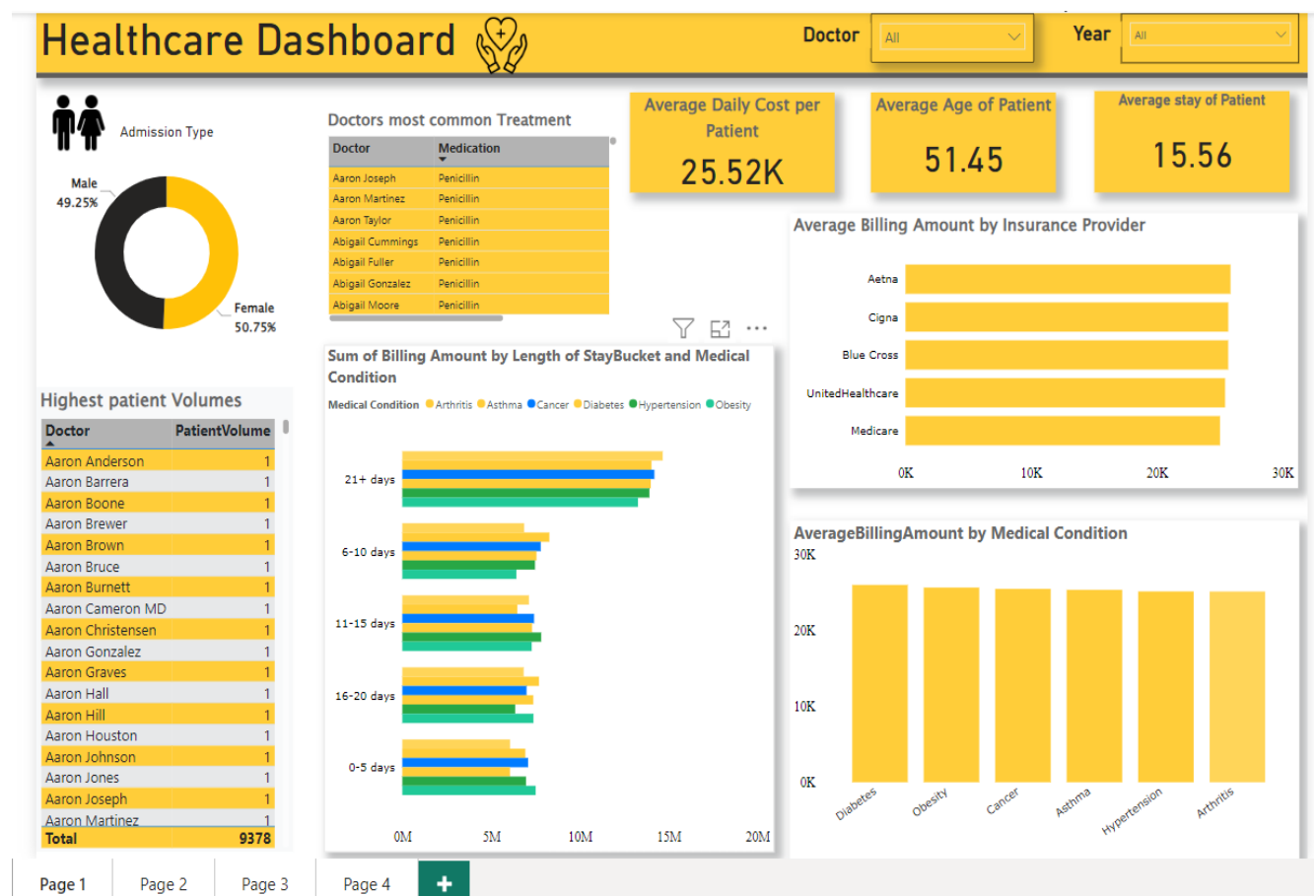
Title: Healthcare Dashboard

Purpose: This dashboard provides insights into patient care, hospital efficiency, and financial decisions based on the data from patient admissions, treatments, and financial records.

Dashboard Overview

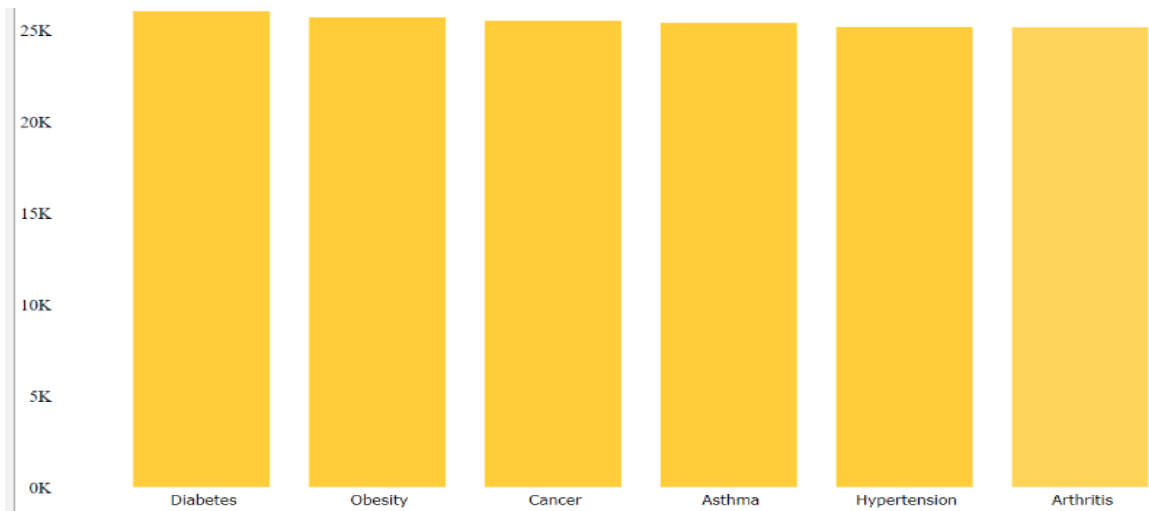
Description: The dashboard is divided into several key sections:

1. **Patient Demographics:** Overview of patient age, gender, and blood type distribution.
2. **Medical Conditions:** Analysis of common medical conditions among patients.
3. **Admission and Discharge Trends:** Trends in Patient admissions and discharges over time.
4. **Billing and Insurance:** Financial overview including billing amounts and insurance providers.
5. **Doctor and Hospital Analysis:** Performance and workload analysis for doctors and hospitals.



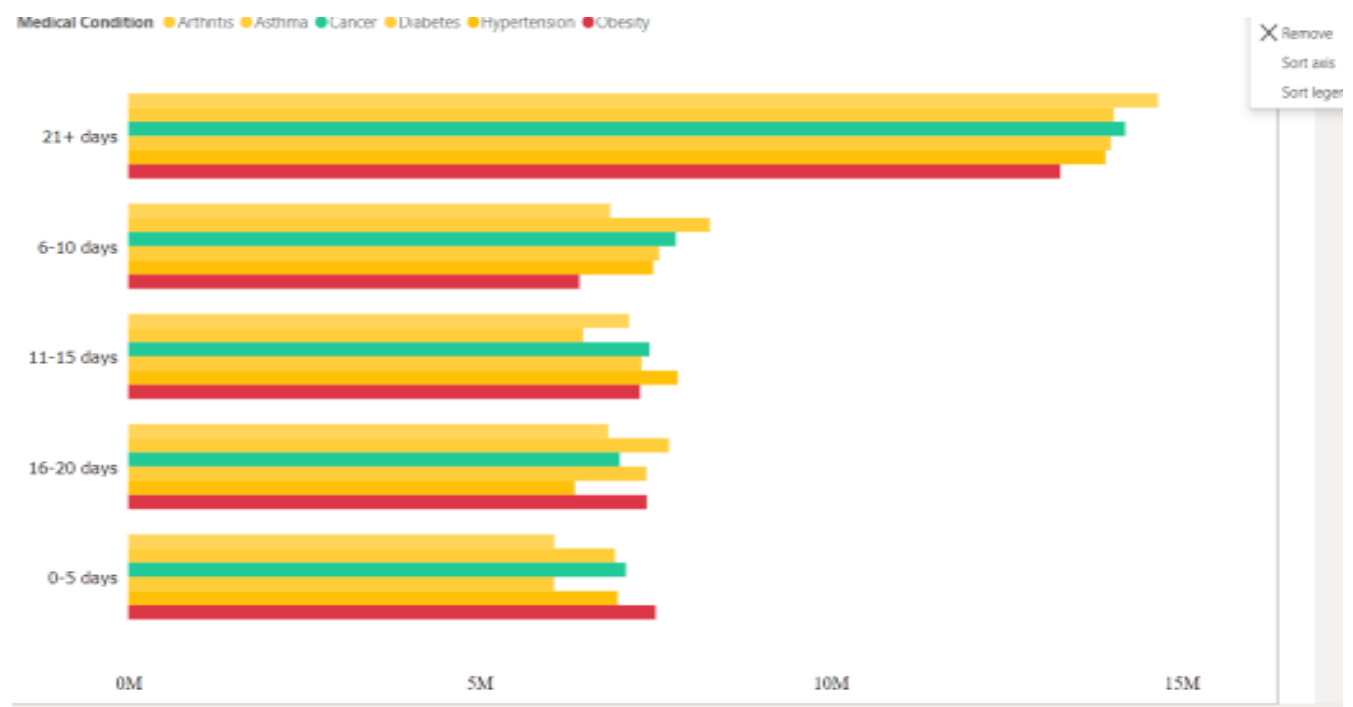
Detailed Explanation of Visualizations

1. Patient Demographics



- **Data Source:** Average Patient billing
- **Metrics:** medical condition Billing amount distribution
- **Insights:** Understanding patient demographics to billing hospital services.

2. Medical Conditions by stay and Billing amount



- **Data Source:** Patient medical records
- **Metrics:** Frequency of medical conditions
- **Insights:** Identifying prevalent medical conditions to improve treatment protocols.

3.Doctor 's Highest Patients Volume

Doctor	PatientVolume
Aaron Anderson	1
Aaron Barrera	1
Aaron Boone	1
Aaron Brewer	1
Aaron Brown	1
Aaron Bruce	1
Aaron Burnett	1
Aaron Cameron MD	1
Aaron Christensen	1
Aaron Gonzalez	1
Aaron Graves	1
Aaron Hall	1
Aaron Hill	1
Aaron Houston	1
Aaron Johnson	1
Aaron Jones	1
Aaron Joseph	1
Aaron Martinez	1
Aaron Mills	1
Aaron Nelson	1
Total	9378

- **Data Source:** Patient medical records
- **Metrics:** Frequency of medical condition
- **Insights:** Identifying prevalent medical conditions to improve treatment protocols

2. Admission by Treatment

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Doctor	Medication	TreatmentCount	
Aaron Joseph	Penicillin	1	
Aaron Martinez	Penicillin	1	
Aaron Taylor	Penicillin	1	
Abigail Cummings	Penicillin	1	
Abigail Fuller	Penicillin	1	
Abigail Gonzalez	Penicillin	1	
Abigail Moore	Penicillin	1	
Abigail Ramirez	Penicillin	1	
Adam Bailey	Penicillin	1	
Adam Carter	Penicillin	1	
Adam Fox	Penicillin	1	
Adam Glenn	Penicillin	1	
Adam Gonzales	Penicillin	1	
Adam Johnson	Penicillin	1	
Adam Martinez	Penicillin	1	

- **Data Source:** Billing amount
- **Metrics:** Monthly admissions and discharges
- **Insights:** Identifying peak periods for admissions and planning resources accordingly

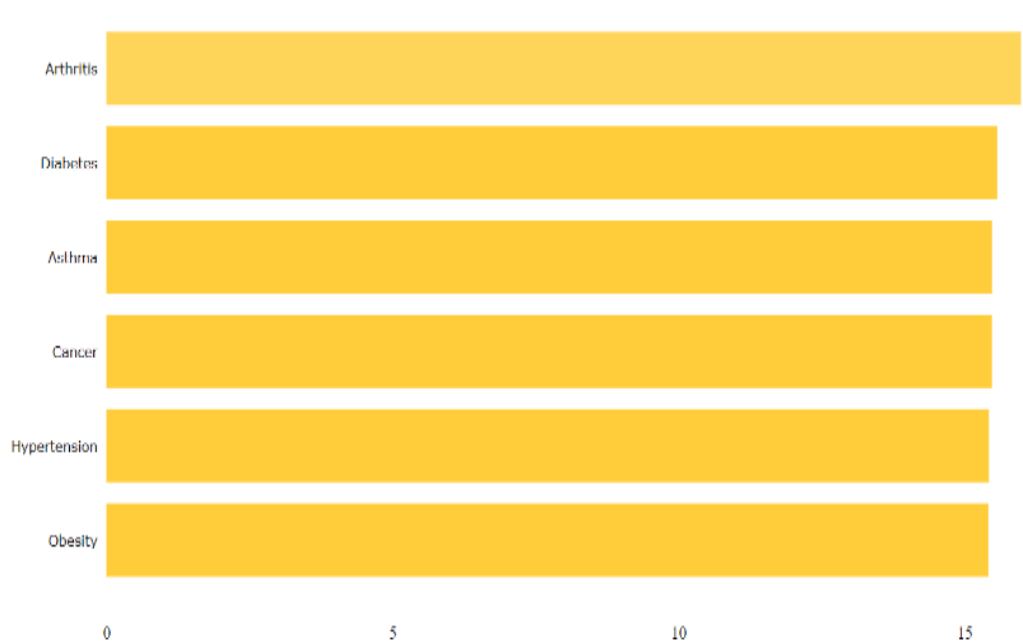
4. Billing and Insurance



- **Data Source:** Financial records
- **Metrics:** Total billing amount, insurance provider distribution
- **Insights:** Understanding financial aspects and patient coverage.

6. Average Length stay and medical condition

- **Data Source:** Medicine condition
- **Metrics:** stay in hospital, medicine condition
- **Insights:** Analyzing medicine condition

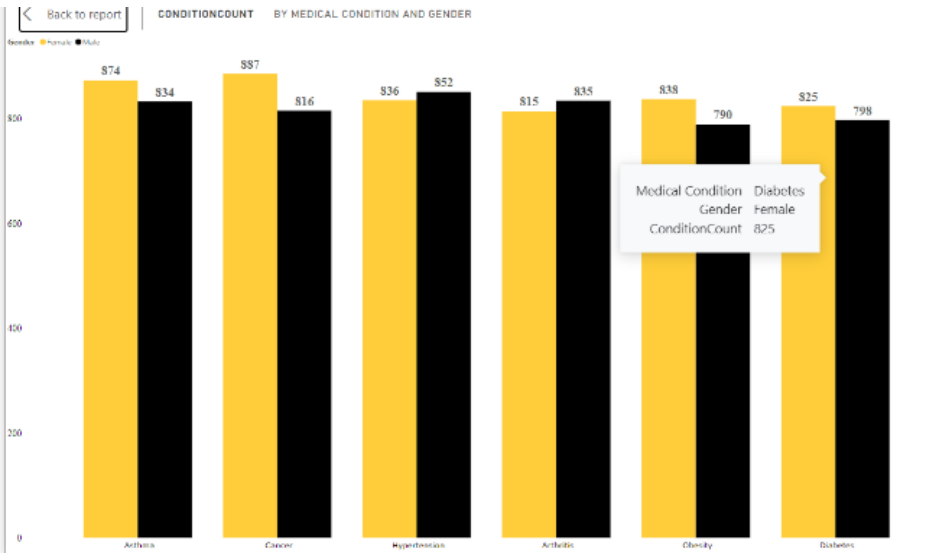


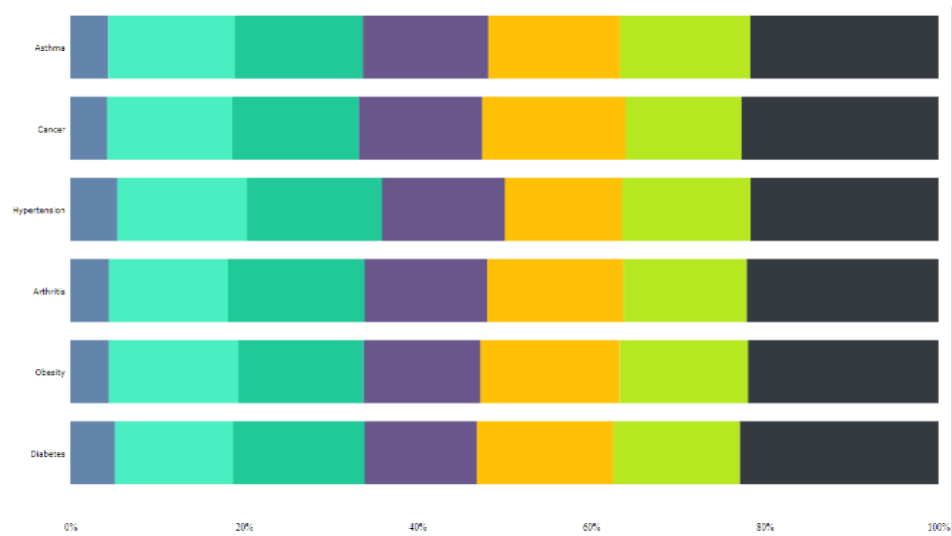
7. Condition count and medical condition



Data Source: Medical Condition
Metrics: Count of condition, medical condition
Insights: Analysing doctor workload and hospital efficiency

8. medical condition count by gender





Data Source: Medical Condition

Metrics: Count of condition, medical condition, gender, age

Insights: Analysing medical condition of gender

9. medical condition and insurance

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Medical Condition	Aetna	Blue Cross	Cigna	Medicare	UnitedHealthcare	Total
Arthritis	24,694.86	25,989.52	25,189.87	24,206.38	25,704.43	25,187.63
Asthma	24,761.52	25,701.56	26,604.20	25,820.57	24,198.13	25,416.87
Cancer	26,333.94	24,382.77	26,437.60	25,118.72	25,222.99	25,539.10
Diabetes	26,703.08	26,599.04	25,496.30	25,468.55	26,003.70	26,060.12
Hypertension	26,420.83	26,614.29	24,146.23	24,164.17	24,708.02	25,198.03
Obesity	26,109.23	24,576.70	26,130.31	25,259.83	26,586.30	25,720.84
Total	25,837.92	25,652.49	25,656.95	25,002.48	25,404.69	25,516.81

Data Source: Medical Condition and insurance

Metrics: medical condition, insurance

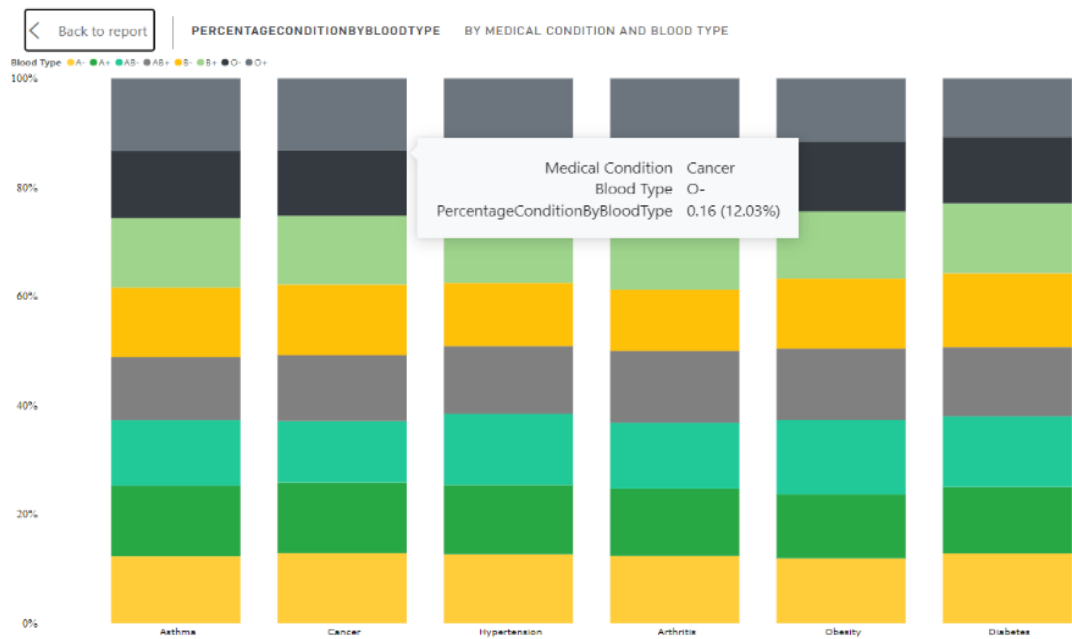
Insights: Analysing medical condition with insurance

10. medical condition and blood type

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MEDICAL CONDITION & BLOOD TYPE

Medical Condition	A-	A+	AB-	AB+	B-	B+	O-	O+	Total
Arthritis	202	202	204	219	186	196	216	225	1650
Asthma	208	220	210	199	218	217	209	227	1708
Cancer	218	219	195	208	221	214	204	224	1703
Diabetes	206	197	214	207	221	207	197	174	1623
Hypertension	212	213	225	211	196	211	211	209	1688
Obesity	192	190	227	214	210	199	207	189	1628
Total	1238	1241	1275	1258	1252	1244	1244	1248	10000

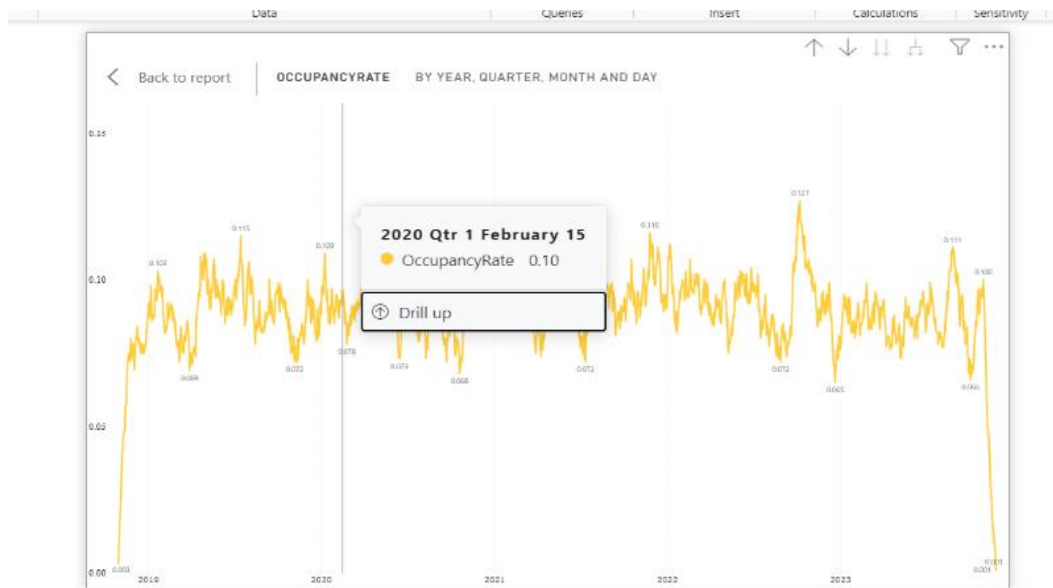


Data Source: Medical Condition and blood type

Metrics: medical condition, blood type

Insights: Analysing medical condition with blood type

11. medical condition and insurance

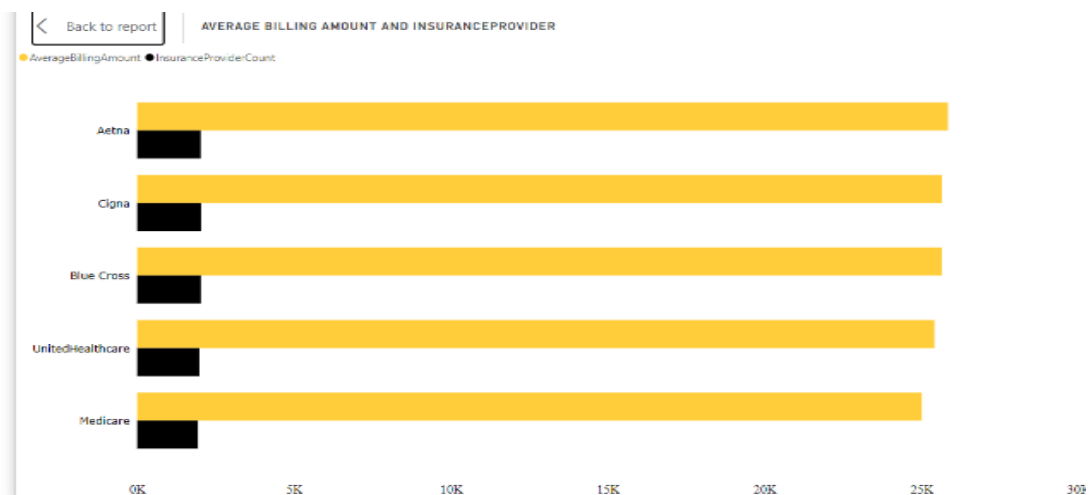


Data Source: Occupancy rate

Metrics: Occupancy, date

Insights: Analysing occupancy rate by date, month, year

12. medical condition and insurance provider



Data Source: medical condition

Metrics: medical condition, insurance provider

Insights: Analysing condition

Key Findings

- **Patient Demographics:** Majority of patients fall in the age group of 50-70 years.
- **Medical Conditions:** Cancer and Asthma are the most common conditions.
- **Admission Trends:** Peak admissions during winter months.
- **Financial Insights:** Significant portion of billing covered by Medicare.
- **Doctor Analysis:** Dr. Patrick Parker handles the most patients.

Conclusion

Recap: The dashboard highlights key insights into patient demographics, medical conditions, admission trends, financial aspects, and doctor/hospital performance.

Next Steps: Use these insights to improve patient care strategies, optimize hospital resource allocation, and enhance financial planning.