

Healthcare Analysis

This dashboard provides a high-level overview of patient care and hospital performance across 10 major U.S. hospitals, based on 55,500 real patient records.

It is divided into three key areas:

Patient Demographics – Understand admission trends by age, gender, and blood type.

Hospital & Insurance Performance – Compare billing, outcomes, and provider efficiency.

Medical Insights & Treatment – Analyze top conditions, medications, and treatment patterns.

Use this dashboard to uncover trends, optimize care, and drive smarter healthcare decisions.



Home



Patient Demographics



**Hospital & Insurance
Performance**



**Medical Insights & Treatment
Analysis**

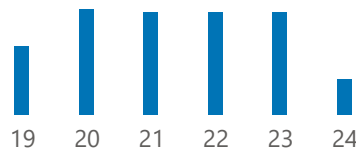


Patient Demographics



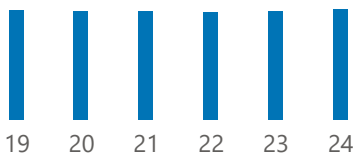
Total_Patients

55500



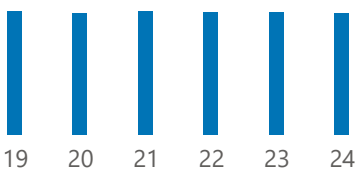
Avg Stay

15.51

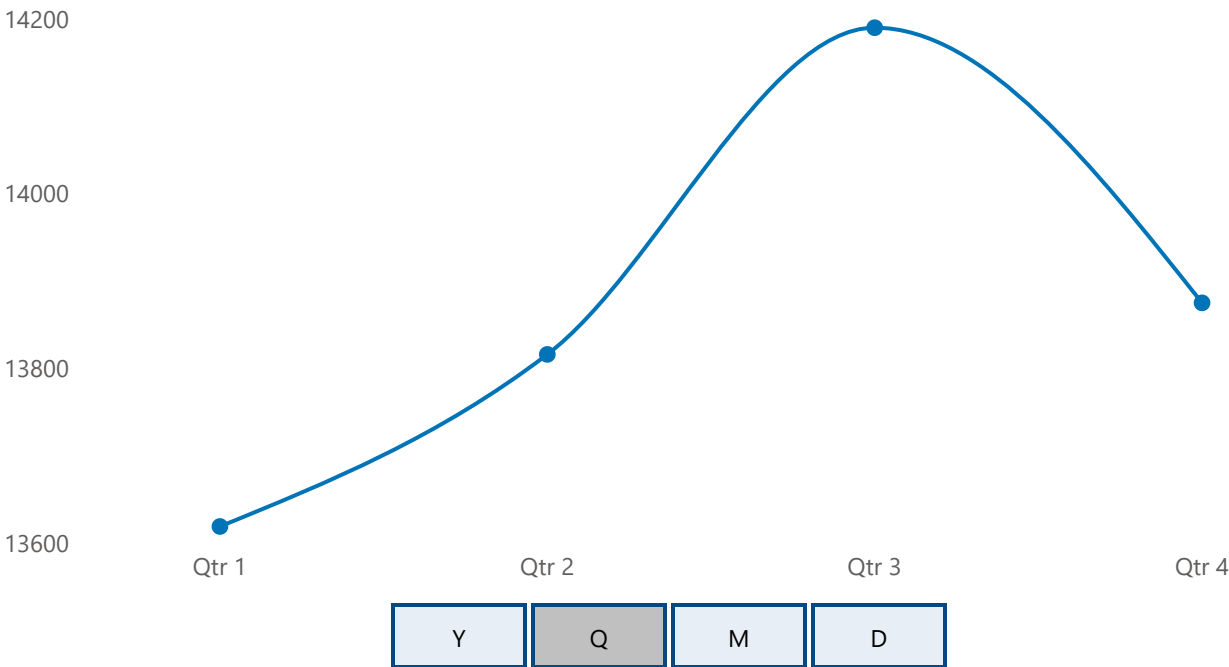


Avg Cost

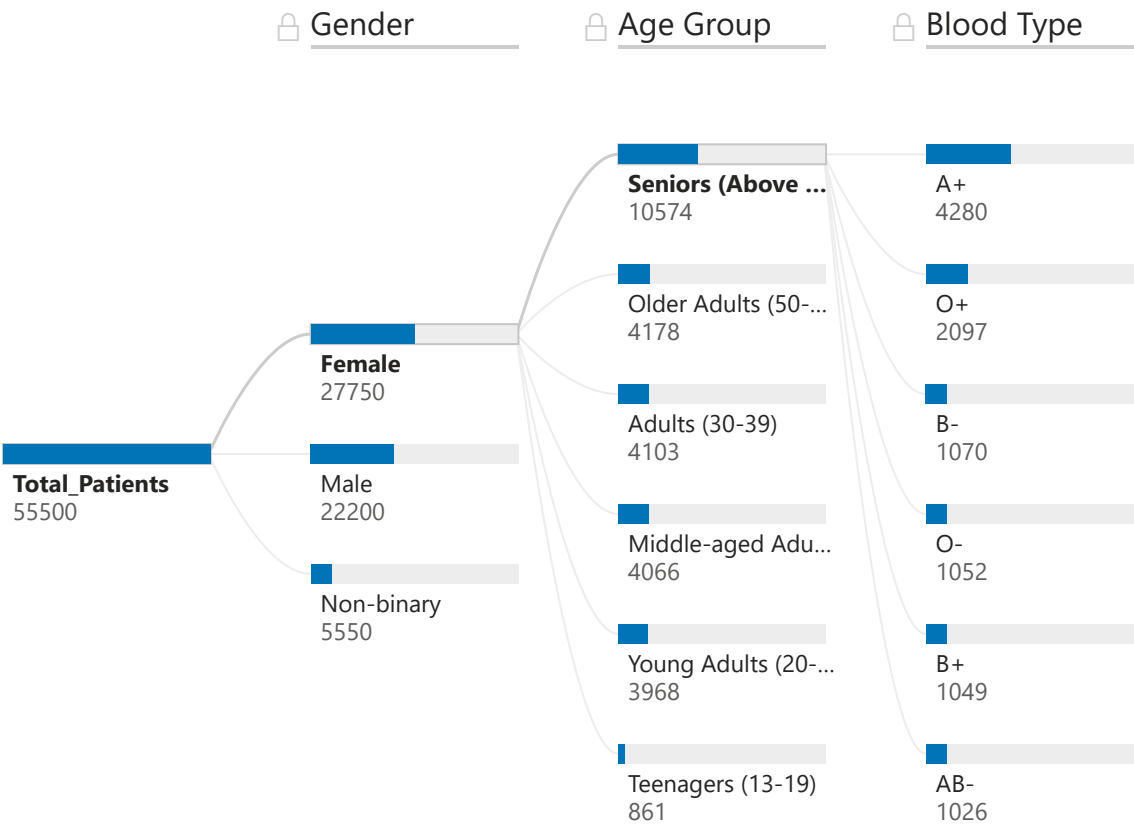
\$25.5K



Patient Admission Flow



Patient Admissions By Gender/Age Group/Blood Type



Select Patient ID

ID-0006

Patient Details

Age	39
Gendar	Male
Blood Type	A+
Medical Condition	Asthma
Hospital	Houston Methodist
Date of Admission	07 September 2022
Doctor	Cody Galvan
Insurance	UnitedHealthCare
Billing Amt	11.90K
LOS	14
Admission Type	Elective
Medication	Aspirin
Test Results	Abnormal
Room No	160
Date of Discharge	21 September 2022

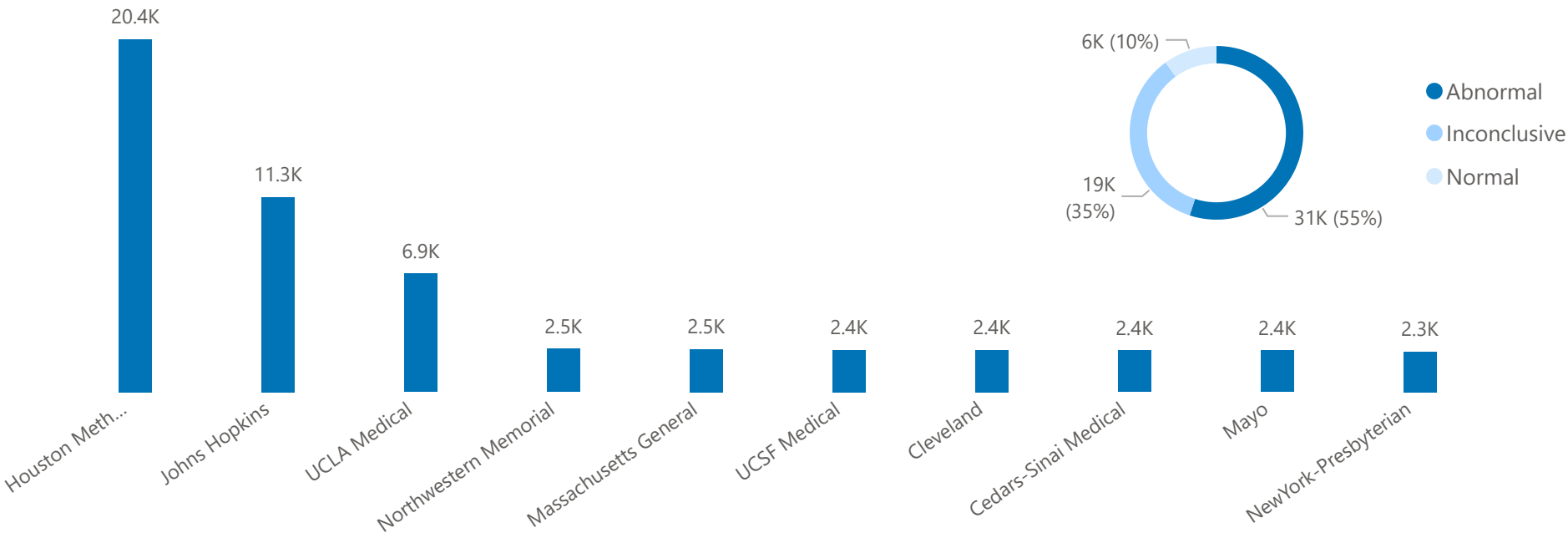


Hospital & Insurance Performance

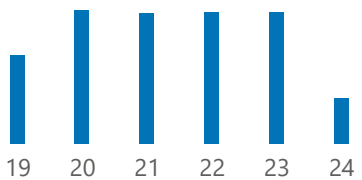


- Hospital
- Insurance Provider

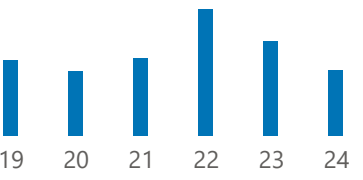
Patient Volume by Hospital



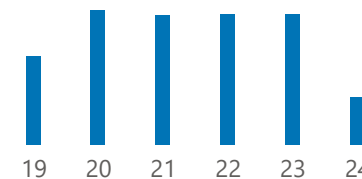
Total Billing
\$1.42bn



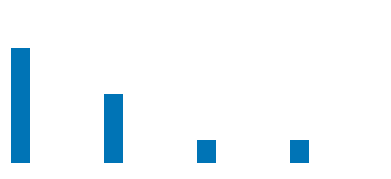
Negative Billing
\$107.85K



Total Doctors
40K



Insurance
4



Total_Patients by Hospital Latitude and Hospital Longitude



Total Treatment cost

Avg treatment cost

Cost Distribution by Medical Condition & Hospital

Hospital	Arthritis	Asthma	Cancer	Diabetes	Hypertension	Obesity
Cedars-Sinai Medical	\$5.88M	\$4.07M	\$6.01M	\$15.49M	\$16.10M	\$14.33M
Cleveland	\$6.00M	\$4.70M	\$6.13M	\$15.91M	\$15.01M	\$14.15M
Houston Methodist	\$49.38M	\$37.69M	\$53.85M	\$129.78M	\$129.47M	\$120.85M
Johns Hopkins	\$29.33M	\$20.27M	\$27.89M	\$72.54M	\$71.98M	\$66.23M
Massachusetts General	\$6.32M	\$4.23M	\$6.55M	\$14.72M	\$16.30M	\$15.31M
Mayo	\$6.06M	\$4.34M	\$5.68M	\$15.71M	\$15.61M	\$14.21M
NewYork-Presbyterian	\$6.36M	\$3.99M	\$5.44M	\$14.38M	\$15.60M	\$12.76M
Northwestern Memorial	\$6.38M	\$4.55M	\$6.00M	\$16.80M	\$15.75M	\$14.14M
UCLA Medical	\$18.39M	\$12.47M	\$17.16M	\$43.15M	\$43.88M	\$40.61M
UCSF Medical	\$6.30M	\$3.45M	\$6.85M	\$15.41M	\$15.32M	\$14.31M

Patient distribution by Admission type & Hospital

Elective Emergency Urgent

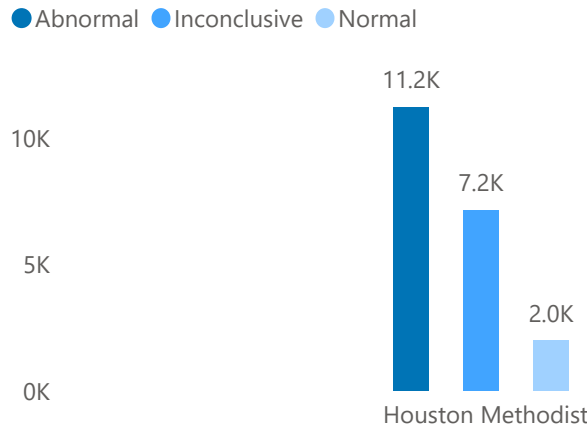
Houston Methodist	34.05%	32.92%	33.04%
Johns Hopkins	33.79%	32.42%	33.79%
UCLA Medical	33.04%	33.12%	33.84%
Northwestern Memorial	32.26%	33.29%	34.45%
Massachusetts General	32.42%	33.51%	34.08%
UCSF Medical	34.54%	34.00%	31.46%
Cleveland	34.03%	32.26%	33.70%
Cedars-Sinai Medical	32.52%	34.26%	33.22%
Mayo	33.96%	32.17%	33.88%
NewYork-Presbyterian	32.78%	32.60%	34.62%

Hospital Details

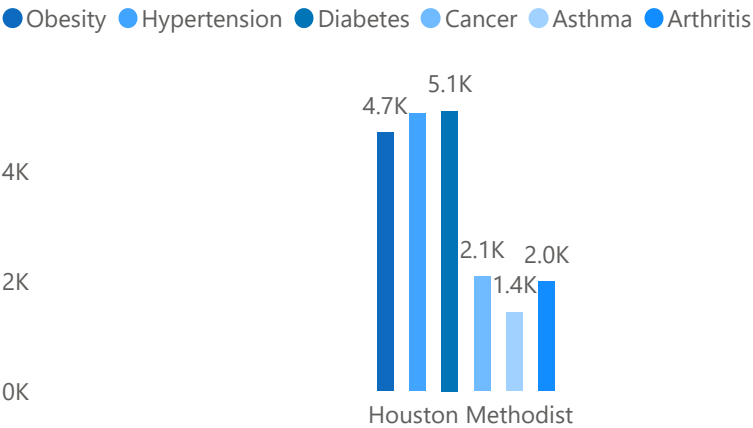


Hospital	Total_Patients	Normal_Results	Abnormal_Results	Inconclusive_Results	% All Results	Avg Stay	Total_Treatmentcost	Avg_treatment_cost	Refund/Recovery_Amt
<div><div></div>Houston Methodist</div>	20402	1998	11241	7163	% Abnormal: 55.10% % Inconclusive: 35.11% % Normal: 9.79%	15.51	\$521.02M	\$25.5K	\$39.73K

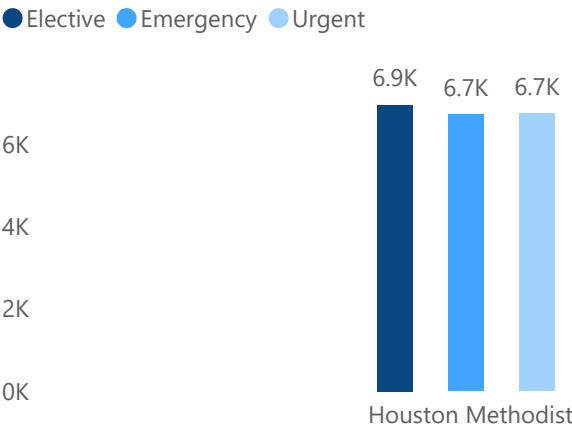
Patient Distribution by Test Results



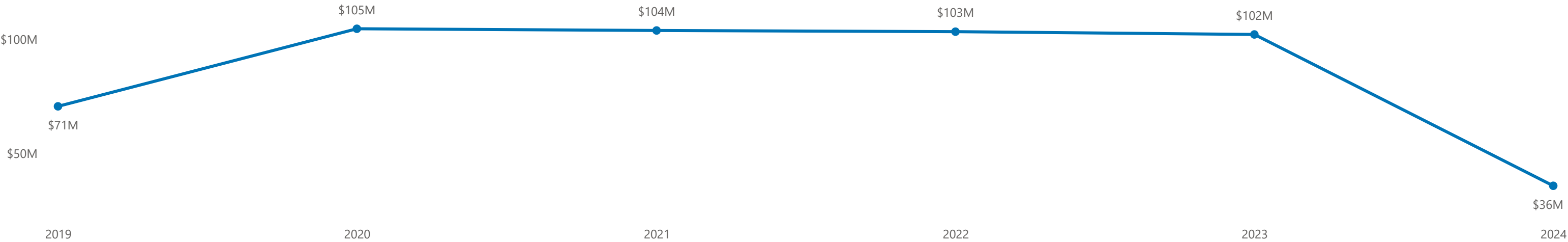
Patient Distribution by Medical Condition



Patient Distribution by Admission Type



Billing Over the time



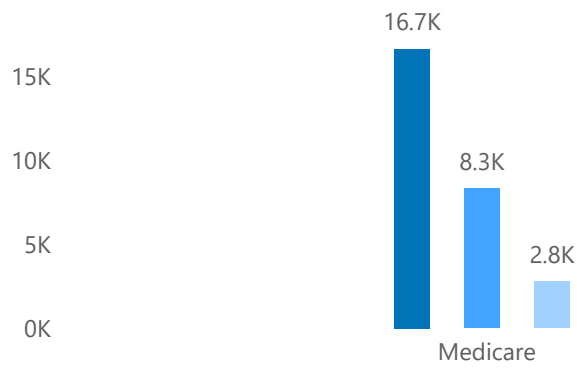
Insurance Details



Insurance Provider	Total_Patients	Normal_Results	Abnormal_Results	Inconclusive_Results	% All Results	Avg Stay	Total_Treatmentcost	Avg_treatment_cost	Refund/Recovery_Amt
⊞ Medicare	27750	2775	16650	8325	% Abnormal: 60.00% % Inconclusive: 30.00% % Normal: 10.00%	▲ 15.59	\$707.53M	\$25.5K	\$58.26K

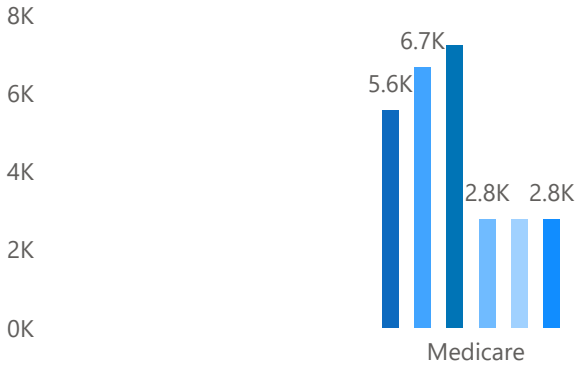
Patient Distribution by Test Results

● Abnormal ● Inconclusive ● Normal



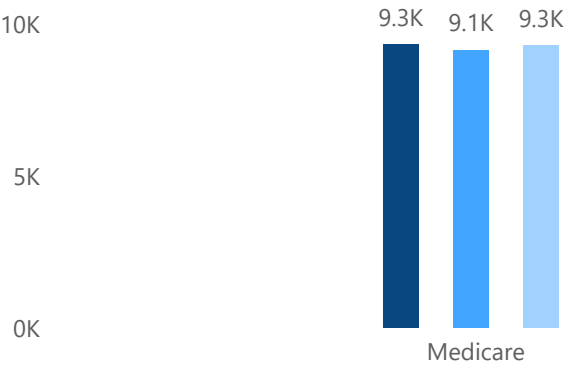
Patient Distribution by Medical Condition

● Obesity ● Hypertension ● Diabetes ● Cancer ● Asthma ● Arthritis

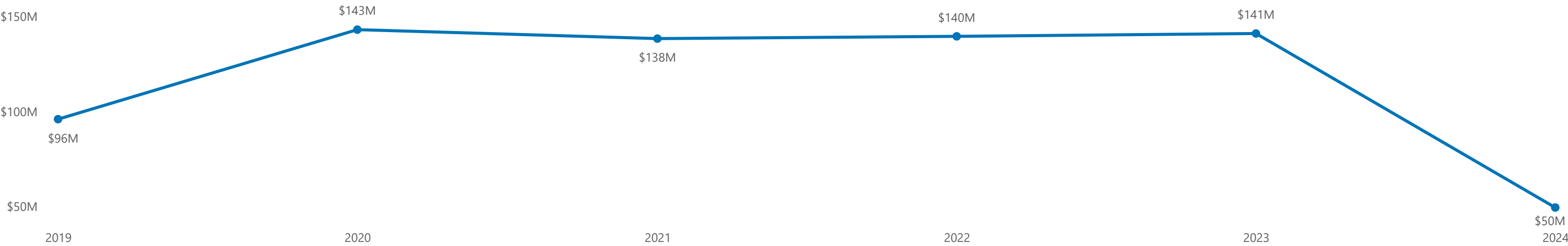


Patient Distribution by Admission Type

● Elective ● Emergency ● Urgent



Billing Over the time





Medical Insights & Treatment Analysis



Medical Conditions & Test Results



Medical Condition	Normal	Abnormal	Inconclusive
Arthritis	5550	100.00%	
Asthma		3885	100.00%
Cancer		5550	100.00%
Diabetes		7215	52.00%
Hypertension		13875	100.00%
Obesity			12765

Patient distribution by Age Group/Blood type/Gender



- Age Group
- Blood Type
- Gender

Age Group	Arthritis	Asthma	Cancer	Diabetes	Hypertension	Obesity
Adults (30-39)	803	553	858	2031	2041	1893
Middle-aged Adults (40-49)	823	599	817	1983	2001	1907
Older Adults (50-59)	831	583	791	2170	2103	1872
Seniors (Above 59)	2105	1472	2148	5243	5338	4842
Teenagers (13-19)	183	121	168	421	421	379
Young Adults (20-29)	805	557	768	2027	1971	1872

Patient Admissions By Admission Type & Medical Condition

- Elective
- Emergency
- Urgent

- Admission Type
- Medical Condition

Elective	19K	18K	19K
Emergency	19K	18K	19K
Urgent	19K	18K	19K

Medicines By Medical Condition



Medical Condition	Aspirin	Ibuprofen	Lipitor	Paracetamol	Penicillin
Arthritis	1091	1113	1119	1153	1074
Asthma	782	770	759	794	780
Cancer	1160	1082	1070	1102	1136
Diabetes	2741	2858	2861	2692	2723
Hypertension	2837	2761	2714	2671	2892
Obesity	2483	2543	2617	2659	2463

Treatment cost over time by Admission type



- Elective
- Emergency
- Urgent

