

HOSPITAL EMERGENCY ROOM DASHBOARD

MONTHLY VIEW **May 2023**

Year

2023

Month Name

May

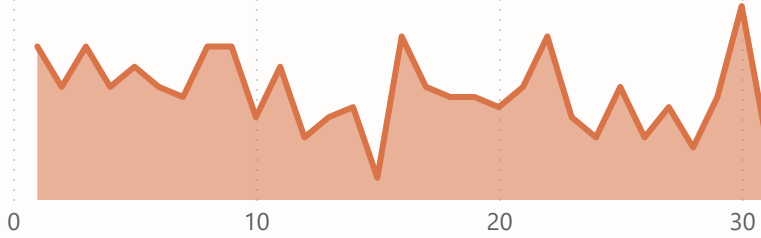


- Monthly View
- Consolidated View
- Patient Details
- Keytakeaways
- Insights



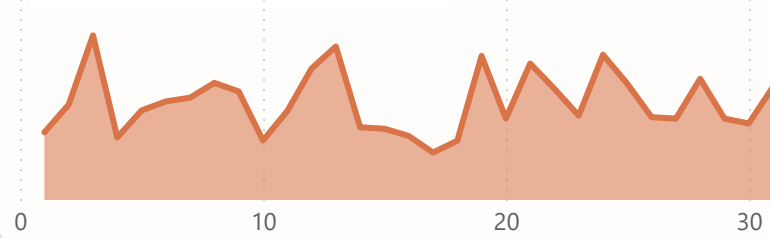
No. of Patients

480



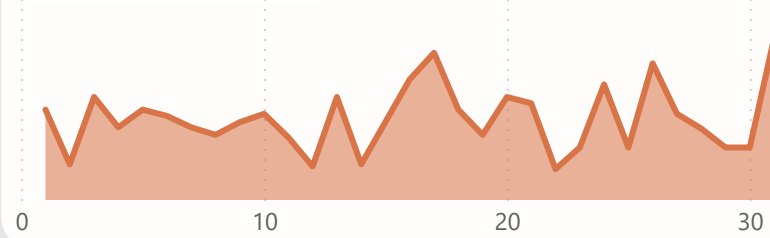
Avg. Wait Time

34.4Min



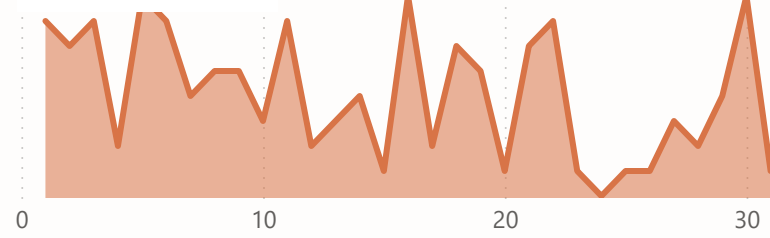
Patient Satisfaction Score

5.16



No. of Patients Referred

189



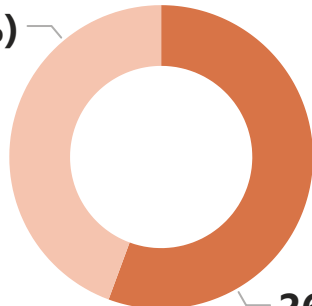
Patient Admission Status

Admission status Patients % of Total

Admitted	229	47.71%	<div></div>
Not Admitted	251	52.29%	<div></div>

% of Patient seen within 30min

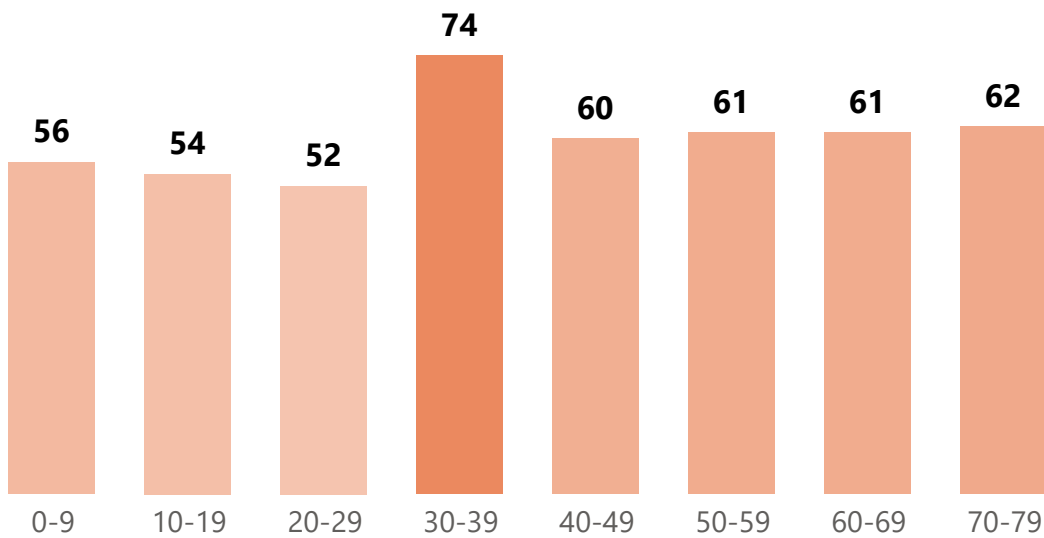
213 (44.4%)



Target Missed
Within Target

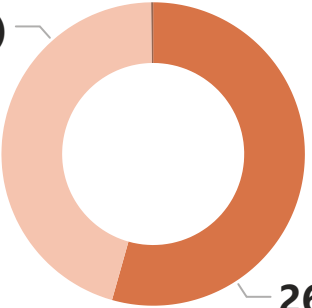
267 (55.6%)

No. Of Patients by Age group



No. of Patient by Gender

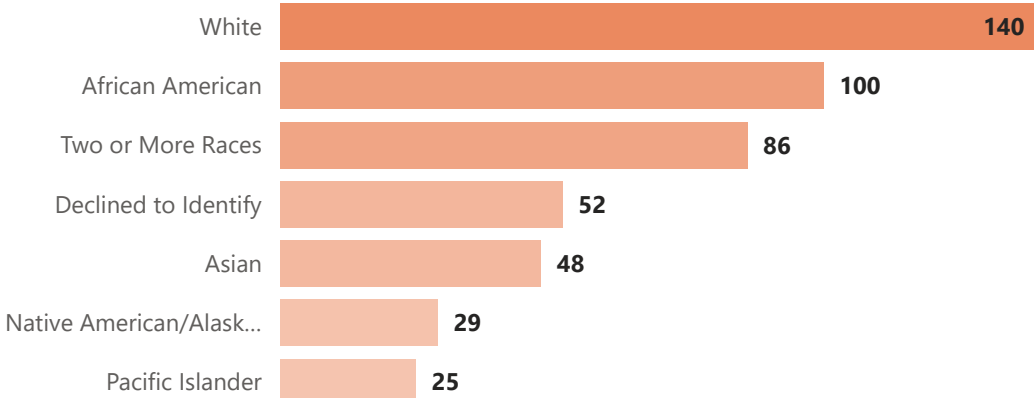
218 (45.4%)



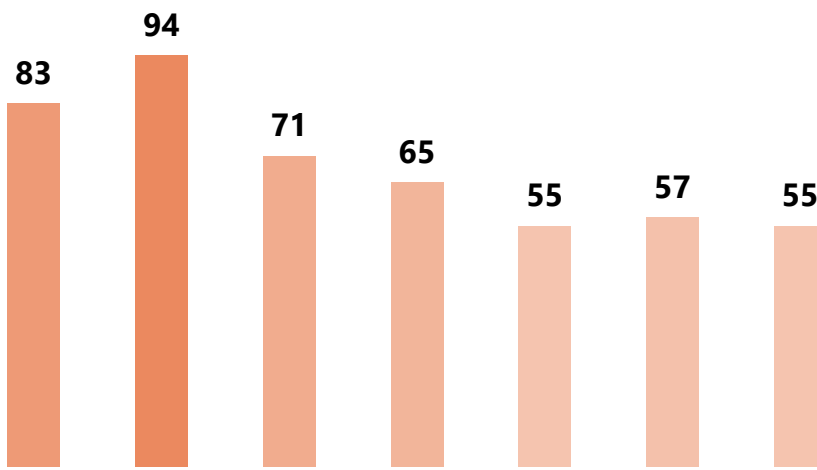
Female
Male
Not-Confirmed

261 (54.4%)

No. Of Patients by Patient Race



No. Of Patients by Day & Hour



Hours

Hours	Mon	Tue	Wed	Thu	Fri	Sat	Sun
00-02	7	3	6	1	4	2	1
03-04	5	5	6	7	6	5	7
05-06	6	10	5	7	1	3	4
07-08	10	10	4	4	5	9	8
09-10	7	13	7	9	3	6	4
10-20	10	6	7	5	3	3	9
11-12	10	4	6	4	7	4	2
13-14	5	7	5	6	5	8	2
15-16	4	8	7	6	4	4	3
17-18	5	9	5	7	2	4	8
20-22	7	12	5	4	6	6	3
23-24	3	4	7	4	6	1	3



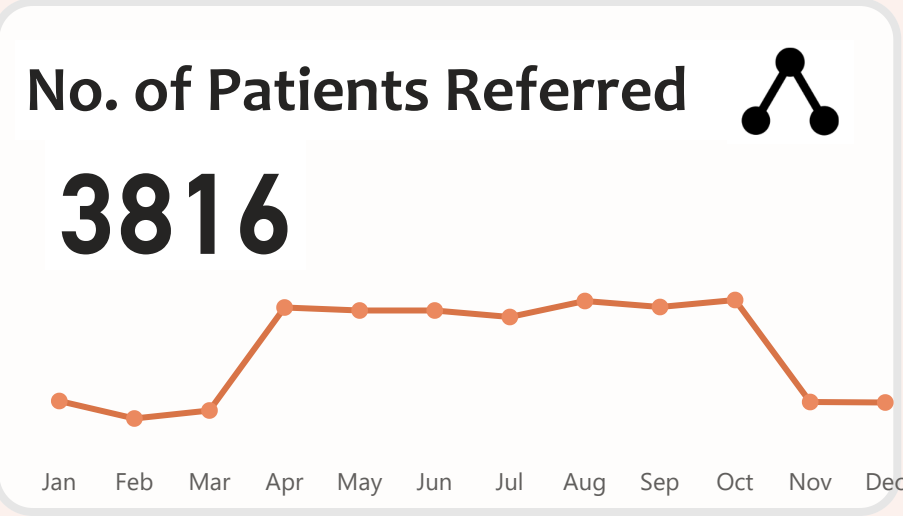
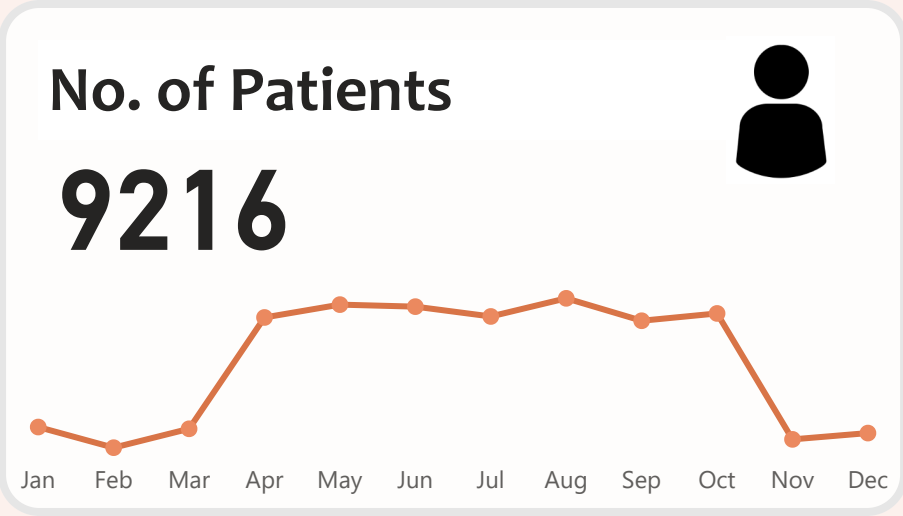
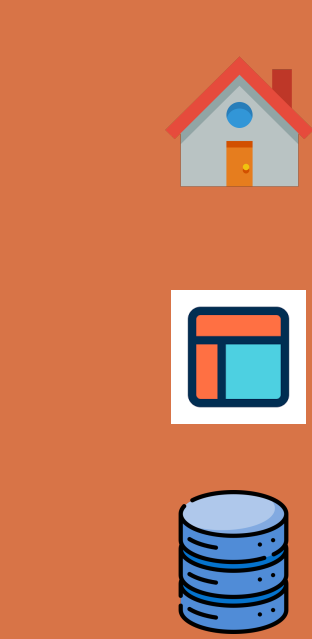
HOSPITAL EMERGENCY ROOM DASHBOARD

01-04-2023

30-10-2024

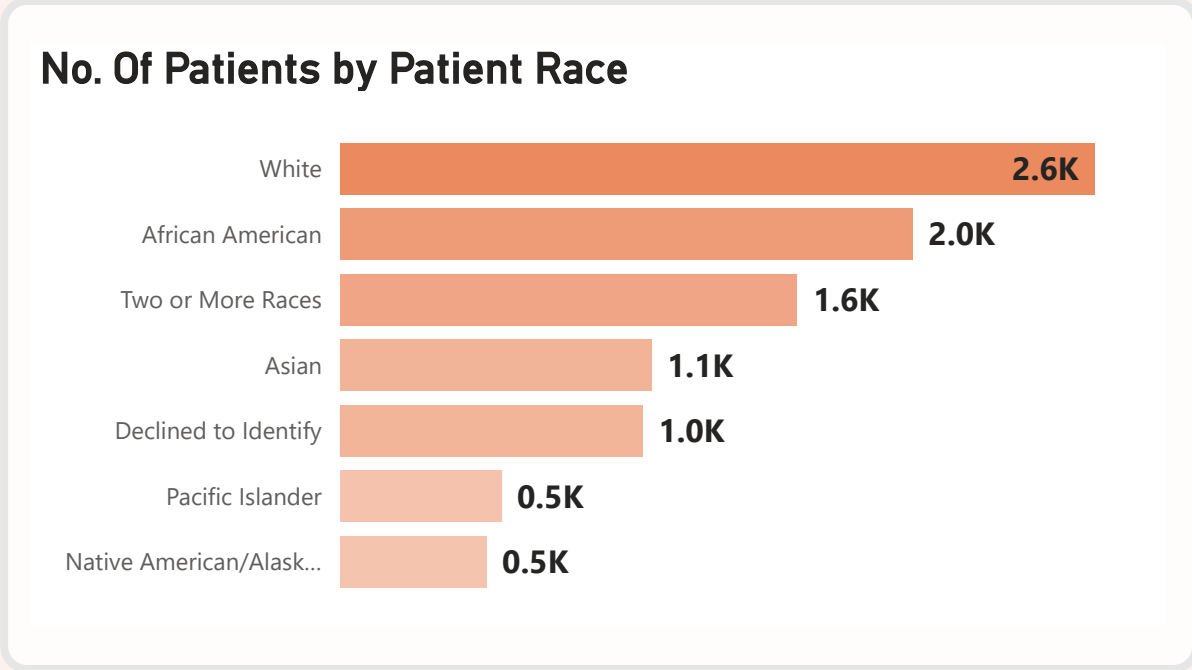
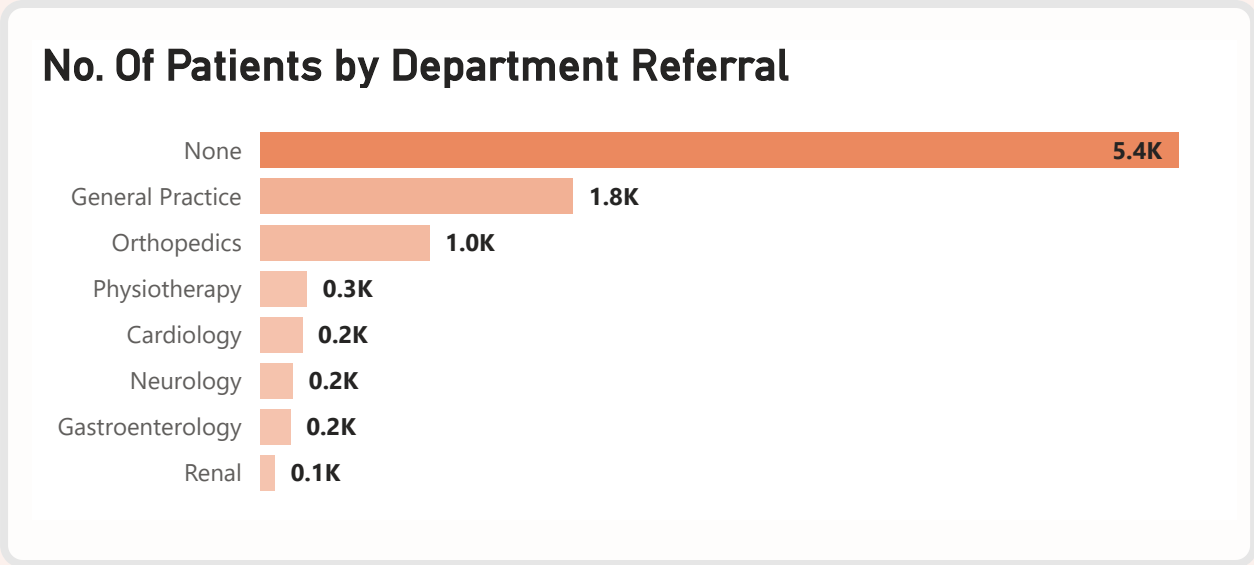
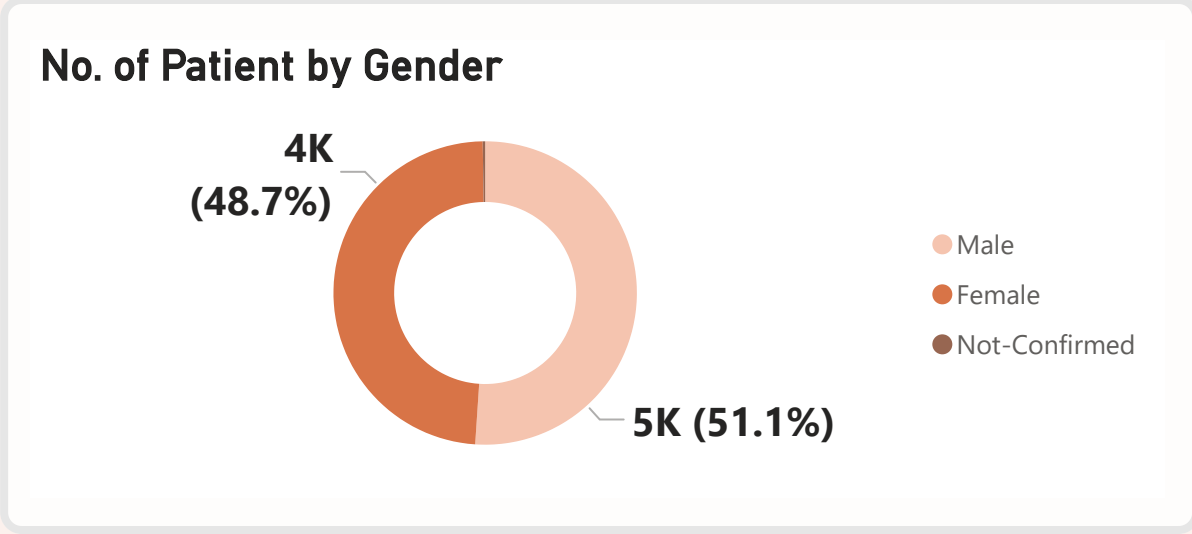
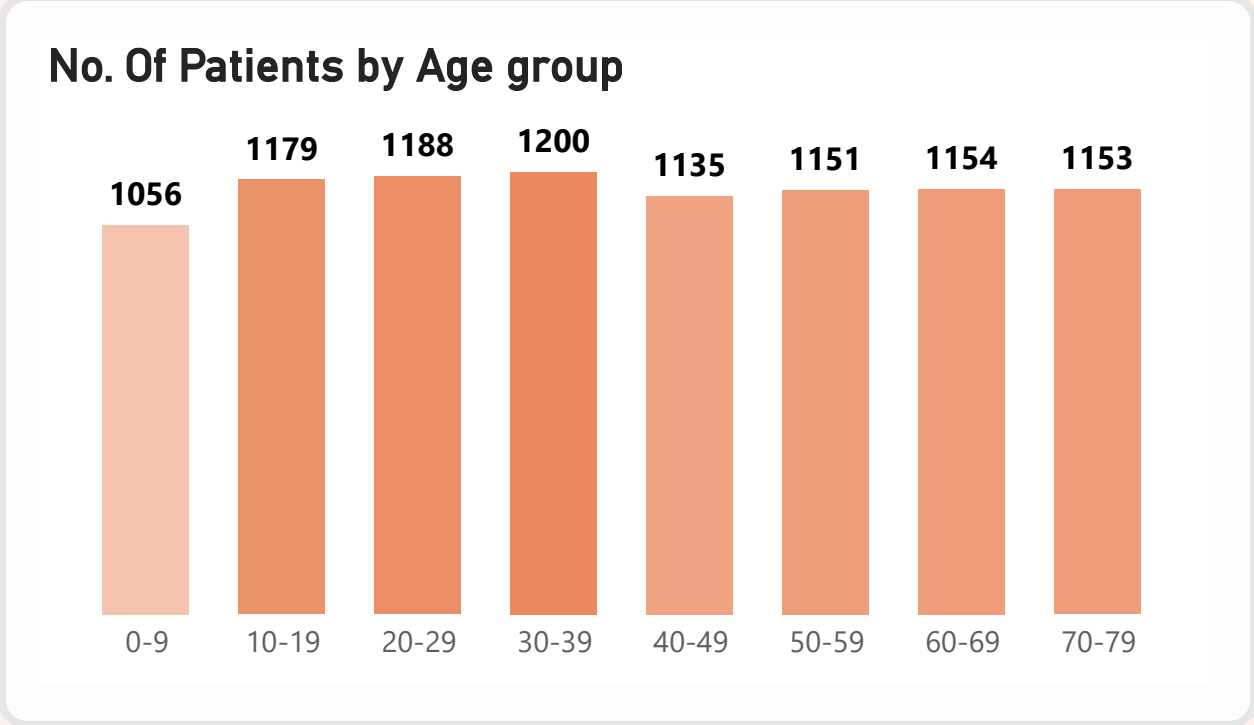
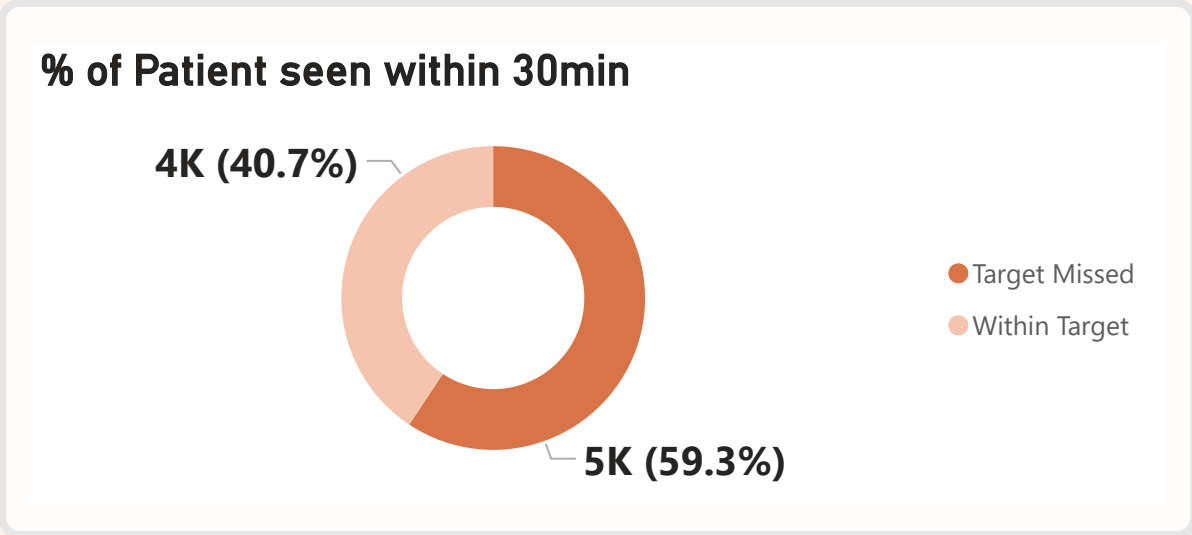
CONSOLIDATED VIEW

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Patient Admission Status

Admission status	Patients	% of Total
Not Admitted	4604	49.96%
Admitted	4612	50.04%



No. Of Patients by Day & Hour

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
1314							
1305							
1260							
1332							
1310							
1377							
1318							
Hours	Mon	Tue	Wed	Thu	Fri	Sat	Sun
00-02	66	58	54	59	57	58	54
03-04	97	102	104	93	114	123	115
05-06	131	113	97	111	94	119	104
07-08	100	114	99	111	125	116	103
09-10	103	123	116	119	118	106	116
10-20	119	97	103	113	95	97	105
11-12	112	108	99	107	94	110	107
13-14	105	103	121	104	116	127	93
15-16	104	103	109	117	109	120	116
17-18	102	118	109	113	112	101	117
20-22	115	89	96	116	112	115	112
23-24	96	112	102	110	105	117	106



Monthly View

Consolidated View

Patient Details

Keytakeaways

Insights



HOSPITAL EMERGENCY ROOM DASHBOARD

01-04-2023

30-10-2024

PATIENT DETAILS

Patient Id	Patient Name	Patient Gender	Patient Age	Patient Admin Date	Patient Race	Patient Waittime	Department Referral	Admission status
106-45-9457	I Nicol	Female	71	01-04-2023	Two or More Races	14	General Practice	Admitted
111-52-9197	G Hawkeswood	Female	64	01-04-2023	White	59	None	Not Admitted
125-52-4944	N Sommerscales	Male	79	01-04-2023	White	21	General Practice	Not Admitted
161-03-2325	Q Everson	Female	26	01-04-2023	Declined to Identify	44	None	Not Admitted
170-60-7747	T Snowdon	Male	31	01-04-2023	White	56	General Practice	Not Admitted
259-51-9518	T Rolingson	Male	62	01-04-2023	Asian	12	None	Not Admitted
338-11-7529	B Grzelczak	Female	38	01-04-2023	African American	54	None	Admitted
389-14-6190	E Bygate	Female	20	01-04-2023	Asian	30	General Practice	Not Admitted
417-42-4910	V Cille	Female	79	01-04-2023	Two or More Races	45	None	Not Admitted
428-40-4491	J Antonnikov	Female	46	01-04-2023	African American	45	None	Admitted
570-93-0122	X Olech	Female	43	01-04-2023	Declined to Identify	47	Orthopedics	Not Admitted
576-82-1180	X Bassford	Male	69	01-04-2023	Asian	50	General Practice	Admitted
628-45-6492	L McCarrison	Female	6	01-04-2023	White	52	None	Admitted
689-22-4635	V Game	Male	53	01-04-2023	African American	46	None	Admitted
701-64-7880	L Brothwell	Male	18	01-04-2023	Two or More Races	40	None	Admitted
766-20-3662	N Sparsholt	Male	60	01-04-2023	Two or More Races	35	Cardiology	Admitted
868-10-5414	R Fulker	Female	55	01-04-2023	African American	24	None	Admitted
874-57-8352	V Matyushenko	Male	38	01-04-2023	White	50	None	Not Admitted
889-96-0276	Q Purseglove	Male	10	01-04-2023	Two or More Races	45	Cardiology	Not Admitted
112-88-9744	I Wing	Male	70	02-04-2023	Declined to Identify	26	None	Admitted
248-21-1787	C Benez	Female	60	02-04-2023	White	60	Physiotherapy	Admitted
262-69-4482	U Llopis	Male	38	02-04-2023	Declined to Identify	14	Gastroenterology	Admitted
353-77-6257	V Van Der Walt	Male	75	02-04-2023	White	33	None	Not Admitted
372-25-7518	K Hambly	Female	67	02-04-2023	Declined to Identify	22	General Practice	Admitted
476-32-0713	K Bunhill	Male	68	02-04-2023	White	24	None	Admitted
516-30-4919	S Nyland	Male	16	02-04-2023	White	21	Orthopedics	Not Admitted
563-50-3688	W Reburn	Female	26	02-04-2023	White	12	None	Admitted
682-34-0219	N Trenam	Male	38	02-04-2023	Native American/Ala...	36	Gastroenterology	Admitted
725-40-8184	X Hebborn	Female	71	02-04-2023	Pacific Islander	31	Neurology	Admitted
729-10-9426	Z Brotherhed	Male	6	02-04-2023	Asian	45	General Practice	Not Admitted
732-17-2371	H Halmkin	Male	57	02-04-2023	Declined to Identify	22	None	Admitted



HOSPITAL EMERGENCY ROOM DASHBOARD

KEY TAKEAWAYS

DESCRIPTIVE ANALYSIS: (April 2023- October 2024)

The emergency room dataset, covering a period of 19months of 9,216 unique patterns.

1.Wait Time Efficiency

The **average wait time** was **35.3 minutes**, indicating a need for improvement to enhance patient flow.

2.Satisfaction Score

Patients rated their experience with a **satisfaction score of 4.99/10**, suggesting moderate satisfaction and highlighting areas for improving patient experiences.

3.Departmental Referrals:

A significant number of patients **(5400)** did not require referrals. Among those referred, the most common were **General Practice (1840 cases)** and **Orthopedics (995 cases)**, followed by **Physiotherapy (276 cases)** and **Cardiology (248 cases)**.

4.Peak Busy Periods:

The busiest day were **Mondays (1377 Patients)**, **Saturdays (1322 Patients)**, and **Tuesdays (1318 Patients)**. The busiest hours were **11 AM, 7 PM, 01 PM, and 11 PM** indicating need of ample staffing during these periods.

5.Patient Demographics:

Age Groups: Adults **(30 - 39 Years)** formed a large group **(1200 Patients)**, followed by young adults **(20 - 29 Years)** with **1188 Patients**. Other significant groups included middle aged as well **(40 - 50 Years)**.

6.Race Distribution:

The largest racial group was **White (2571)**, followed by **African American (1951)**, **Multi Racial (1557)**, and **Asian (1060)** patients. A significant number of patients **(1030)** declined to identify their race.

7.Admission Patterns:

Nearly half of the patients **(4612) were admitted**, while the rest **(4604) were treated and released**.

Summary:

The dataset reveals high patient volumes, moderate satisfaction levels, and common referrals to General Practice and Orthopedics. Mondays and late night to early morning hours are particularly busy. The patient demographics show a diverse age and racial composition, with nearly equal numbers of admitted and non-admitted patients. These insights can help optimize resource allocation and improve patient care in the emergency room.





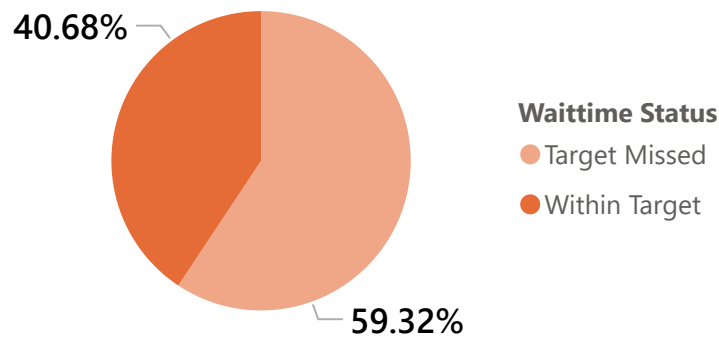
HOSPITAL EMERGENCY ROOM DASHBOARD

INSIGHTS

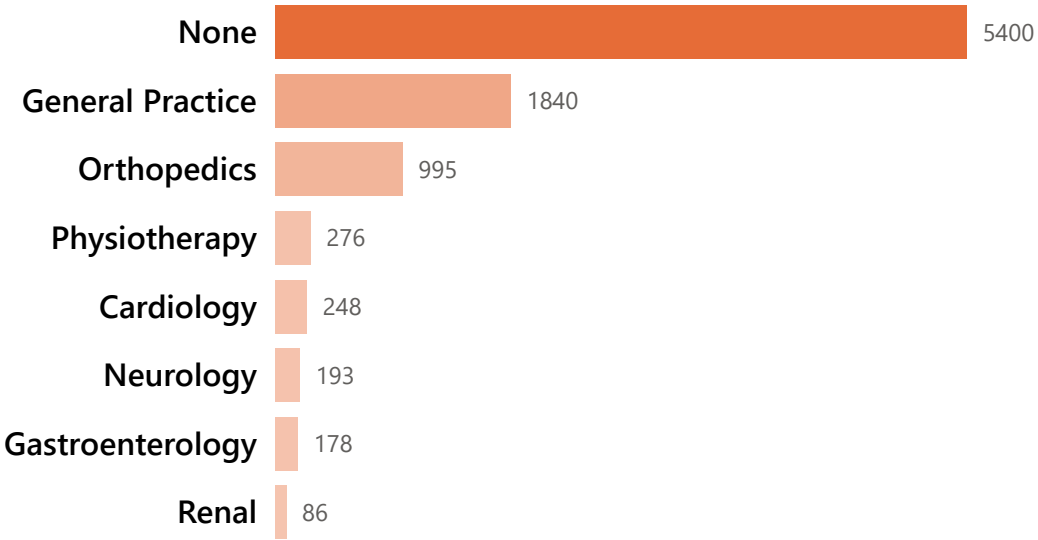
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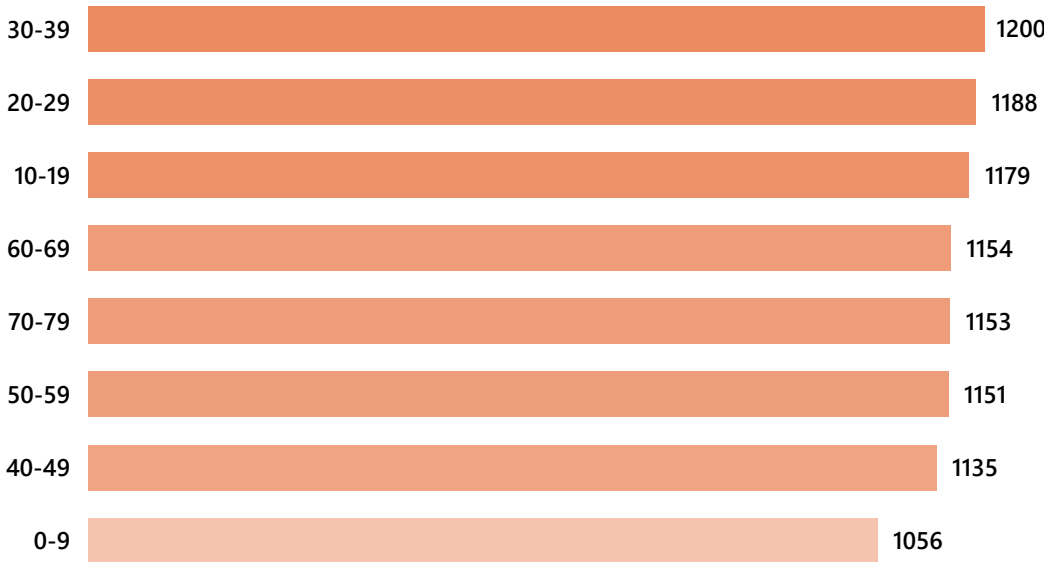
No. Of Patients by Waittime Status



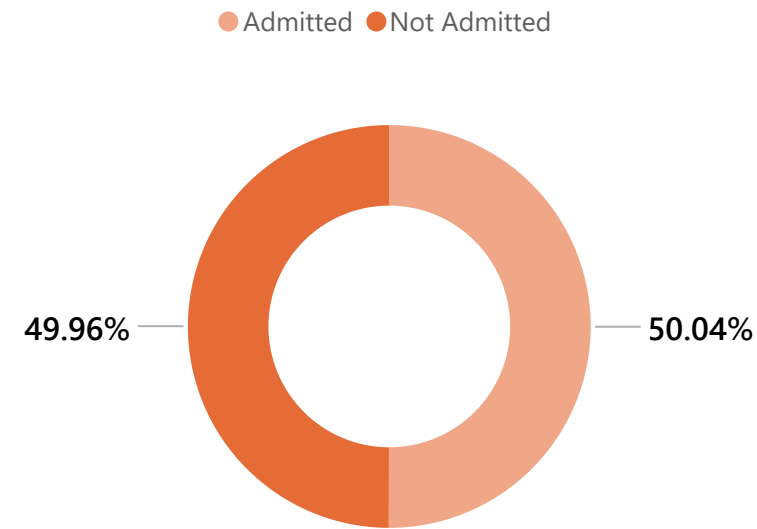
No. Of Patients by Department Referral



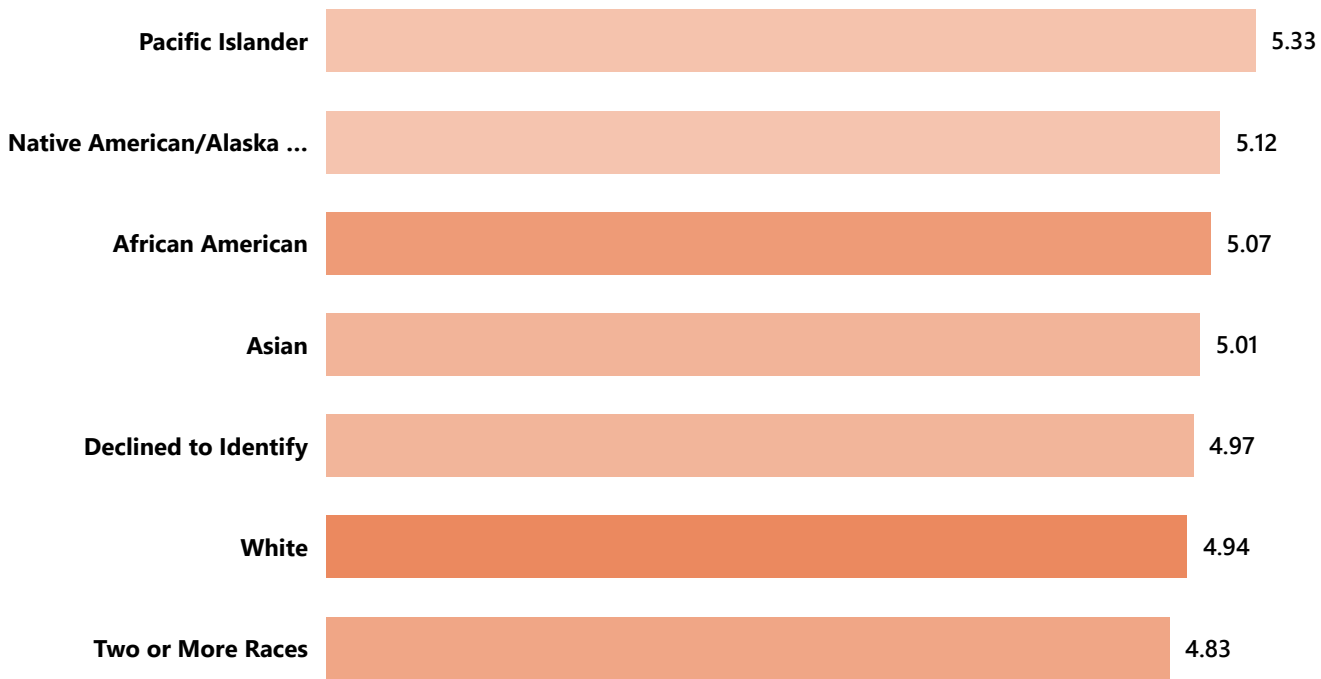
No. Of Patients by Age group



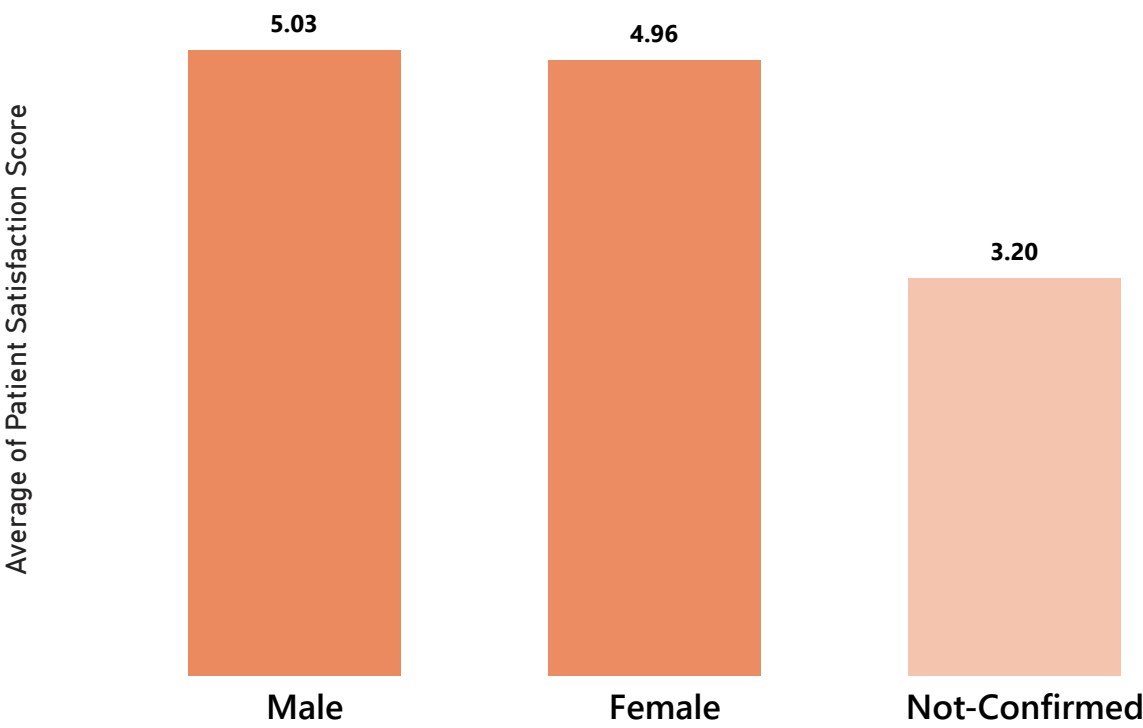
Patients by Admission status



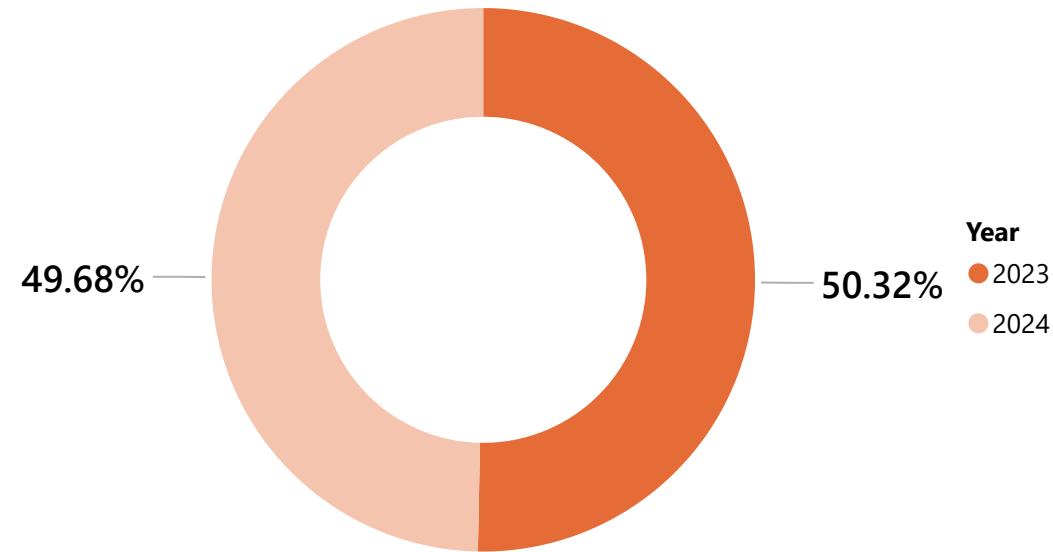
Average of Patient Satisfaction Score by Patient Race



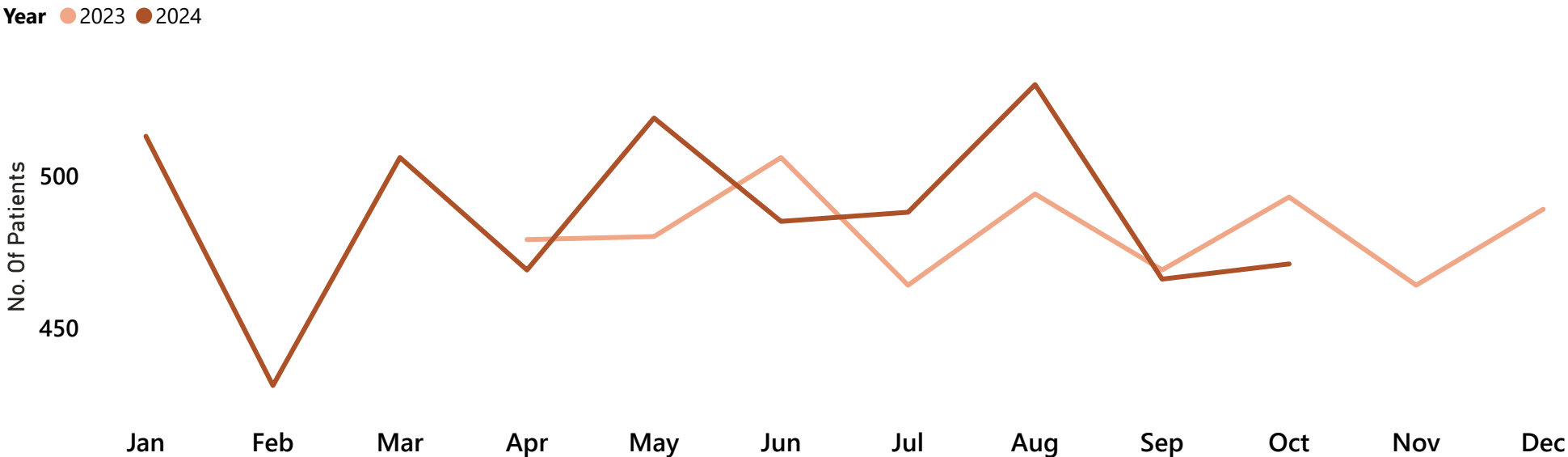
Average of Patient Satisfaction Score by Patient Gender



Average of Patient Satisfaction Score by Year



No. Of Patients by Month Name and Year



DAY AND HOUR LOAD

Day name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mon	66	48	49	62	69	56	44	40	63	53	59	48	57	58	46	53	49	55	64	59	56	54	42	64
Tue	58	49	53	54	59	63	51	72	51	61	47	59	44	63	40	54	64	52	45	39	50	55	57	65
Wed	54	48	56	48	49	55	44	67	49	58	41	57	64	53	56	61	48	54	49	45	51	46	56	51
Thu	59	47	46	54	57	47	64	60	59	54	53	58	46	59	58	53	60	61	52	53	63	53	57	59
Fri	57	56	58	55	39	59	66	61	57	45	49	73	43	64	45	57	55	43	52	72	40	49	56	59
Sat	58	60	63	65	54	60	56	46	60	64	46	63	64	59	61	49	52	47	50	63	52	58	59	68
Sun	54	64	51	47	57	53	50	69	47	53	54	45	48	54	62	67	50	47	58	52	60	61	45	70