HOSPITAL EMERGENCY ROOM
CONSOLIDATED VIEW

01-04-2023 30-10-2024

No. of Patients
9216

Avg Wait Time
35.3 Min

Patients Satisfaction Score
4.99

No. of Patients Referred
3816

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

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Patient Admission Status

Admitted Status	No Of Patients	%Of Patients
Admitted	4612	50.04%
Not Admitted	4604	49.96%

No Of Patients by Age group
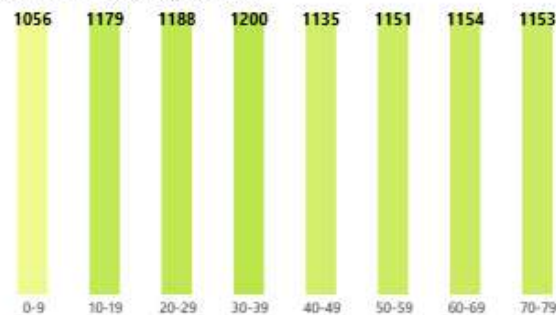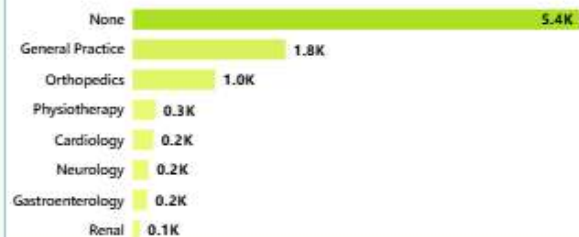
0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79
1056	1179	1188	1200	1135	1151	1154	1153

No Of Patients by Department Referral

Department	No Of Patients
None	5.4K
General Practice	1.8K
Orthopedics	1.0K
Physiotherapy	0.3K
Cardiology	0.2K
Neurology	0.2K
Gastroenterology	0.2K
Renal	0.1K

% of Patients Seen Within 30Mins

- Traget Missed
- Within Traget

4K (40.68%)
5K (59.32%)

No Of Patients by Patient Gender

- Male
- Female
- Not Confirmed

4K (48.69%)
5K (51.05%)

No Of Patients by Patient Race

Race	No Of Patients
White	2.6K
African American	2.0K
Two or More Races	1.6K
Asian	1.1K
Declined to Identify	1.0K
Pacific Islander	0.5K
Native American/Al...	0.5K

No Of Patients By Day and Hour

1314 1305 1260 1332 1310 1377 1318
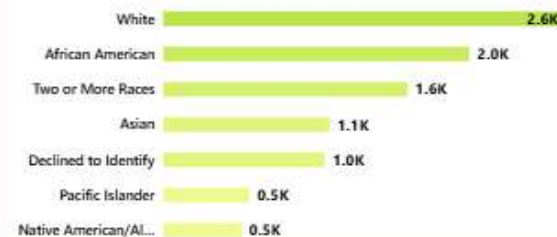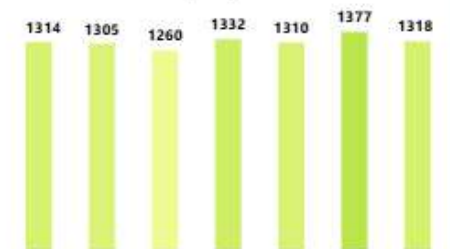
Hours	Mon	Tue	Wed	Thu	Fri	Sat	Sun
00-02	114	107	102	106	113	118	118
03-04	111	107	104	100	113	128	98
05-06	125	122	104	104	98	114	110
07-08	84	123	111	124	127	102	119
09-10	116	112	107	113	102	124	100
11-12	107	106	98	111	122	109	99
13-14	115	107	117	105	107	123	102
15-16	99	94	117	111	102	110	129
17-18	104	116	102	121	98	99	97
19-20	123	84	94	105	124	113	110
21-22	110	105	97	116	89	110	121
23-24	106	122	107	116	115	127	115

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Descriptive Analysis
(April 2023 - October 2024)

The emergency room dataset, covering a period of 19 months, records a total of 9,216 unique patients.

Patient Wait Time & Satisfaction:

The average wait time was approximately **35.3 minutes**, indicating a need for improvement to enhance patient flow. The **average satisfaction score** was **4.99 out of 10**, suggesting moderate satisfaction and highlighting areas for improving patient experiences.

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).

Peak Busy Periods:

The busiest day were **Saturdays (1377 Patients)**, Thursdays (1332 Patients), and Sundays (1318 Patients). The busiest hours were 12 AM, 7 AM, 01 PM, and 11 PM indicating need of ample staffing during these periods.

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).

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.

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. Saturdays and late night 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

MONTHLY VIEW   **Apr 2023**

Year		Month Name	
2023	⌄	Apr	⌄

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No. of Patients
479

Avg Wait Time
35.3 Min

Patients Satisfaction Score
5.30

No. of Patients Referred
216

Patient Admission Status

Admitted Status	No Of Patients	%Of Patients	
Admitted	237	49.48%	
Not Admitted	242	50.52%	

No Of Patients by Age group
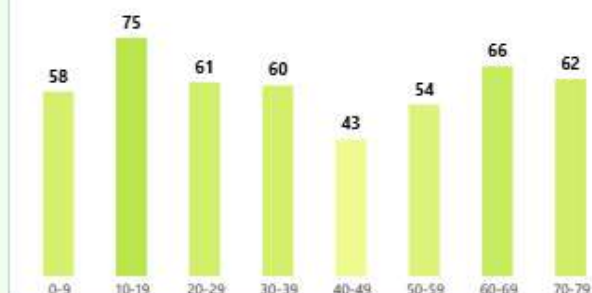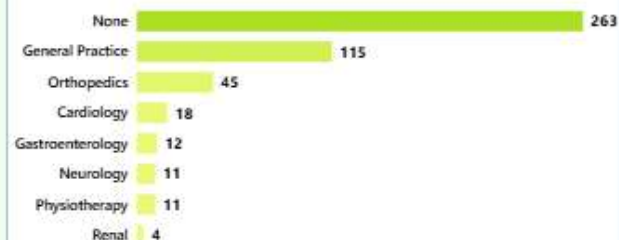
Age group	Count
0-9	58
10-19	75
20-29	61
30-39	60
40-49	43
50-59	54
60-69	66
70-79	62

No Of Patients by Department Referral

Department	Count
None	263
General Practice	115
Orthopedics	45
Cardiology	18
Gastroenterology	12
Neurology	11
Physiotherapy	11
Renal	4

% of Patients Seen Within 30Mins

- 206 (43.01%) — Traget Missed
- 273 (56.99%) — Within Traget

No Of Patients by Patient Gender

- 235 (49.06%)
- 243 (50.73%)
- Male
- Female
- Not Confirmed

No Of Patients by Patient Race

Race	Count
White	144
Two or More Races	84
African American	81
Asian	67
Declined to Identify	50
Native American/Al...	30
Pacific Islander	23

No Of Patients By Day and Hour

Day	Count
Mon	57
Tue	64
Wed	83
Thu	59
Fri	63
Sat	85
Sun	68

Hours	Mon	Tue	Wed	Thu	Fri	Sat	Sun
00-02	4	5	3	5	3	10	7
03-04	3	7	6	3	6	10	4
05-06	8	7	5	4	3	2	8
07-08	4	5	9	4	7	4	2
09-10	6	7	8	7	4	6	7
11-12	6	6	2	3	7	6	4
13-14	4	6	7	4	5	11	6
15-16	3	3	12	7	4	5	6
17-18	4	6	7	6	4	6	3
19-20	6	2	9	4	7	8	10
21-22	6	3	10	6	5	7	7
23-24	3	7	5	6	8	10	4
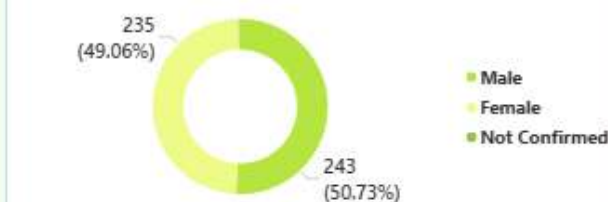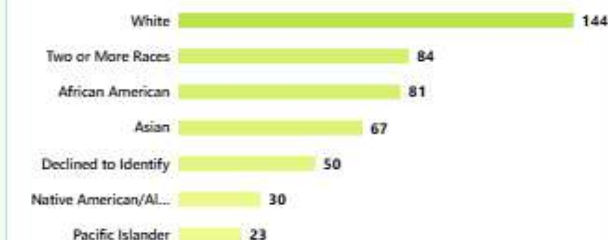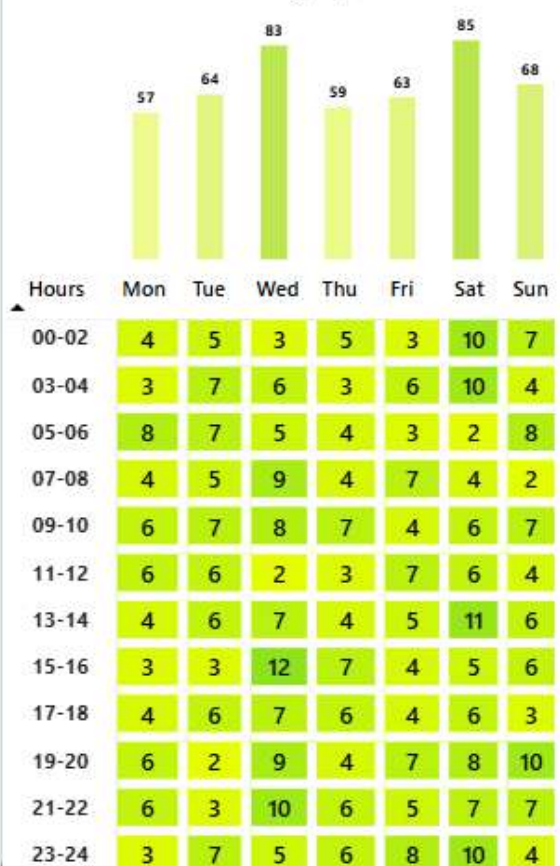
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CONSOLIDATED VIEW

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

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