Hospital Emergency Room Project

Project Purpose

This project aims to create an interactive dashboard for the Hospital Emergency Room to monitor and analyze key performance metrics such as patient count, average wait time, patient satisfaction, and demographic distribution. The goal is to provide hospital management and staff with actionable insights to improve patient care and operational efficiency

KPI'S Requirement

Number of Patients:
Count the total number of patients visiting the ER each day.
Show a daily trend with an area sparkline to spot patterns like busy days or seasonal trends.

Average Wait Time:
Find the average time patients wait to see a medical professional.
Use an area sparkline to track daily changes and highlight days with longer wait times that might need improvements.

Patient Satisfaction Score:
Check the average daily satisfaction score of patients to assess service quality.
Use an area sparkline to show trends, spot drops in satisfaction, and link them to challenges.

Charts to Create:

Patient Admission Status:
Show how many patients were admitted vs. not admitted.

Patient Age Distribution:
Group patients by age.

Timeliness:
Measure the percentage of patients seen within 30 minutes.

Gender Analysis:
Display the number of patients by gender.

Department Referrals:
Check which departments patients are referred to the most.

HOSPITAL EMERGENCY ROOM DASHBOARD
Monthly Report

Year

2024 | 2023

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

513
No of Patients

36.32
Avg. WaitTime(min)

4.96
Avg. Patient Satisfaction Score

Admission Status	Patients	% of Total	Status in %
Not Admitted	244	47.56%	Not...
Admitted	269	52.44%	Admitted
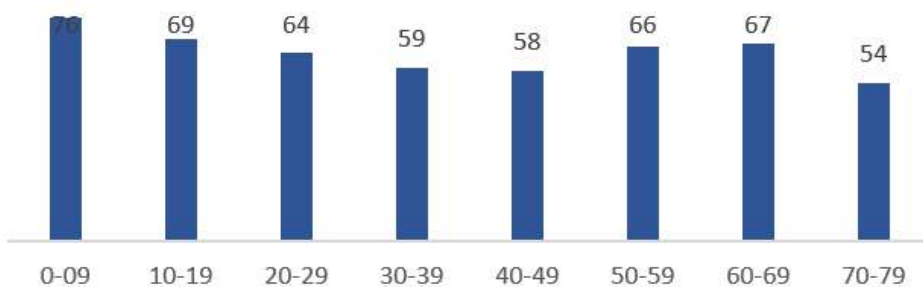
No of Patient by Age Group

Age Group	Count
0-09	
10-19	69
20-29	64
30-39	59
40-49	58
50-59	66
60-69	67
70-79	54
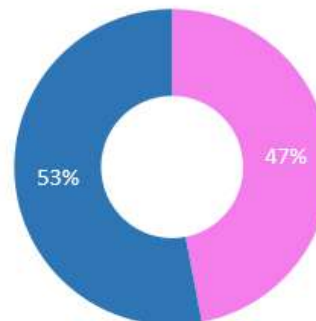
Patient Gender Distribution

■ Female ■ Male

53% 47%
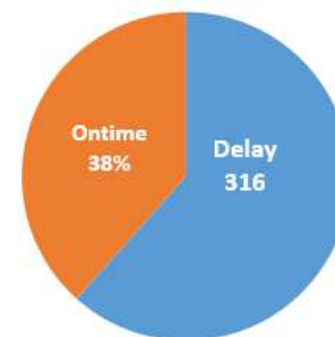
Patient Attended within Time

Ontime 38% Delay 316
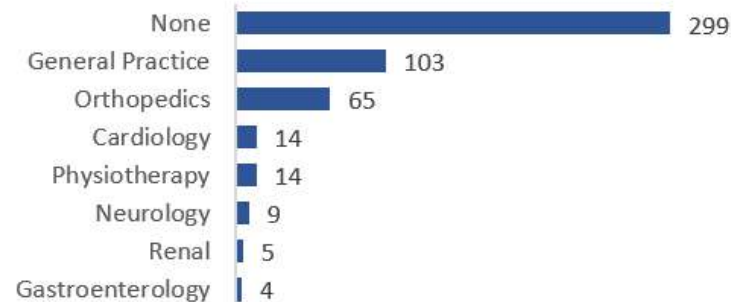
No. Of Patient by Department Referral

Department	Count
None	299
General Practice	103
Orthopedics	65
Cardiology	14
Physiotherapy	14
Neurology	9
Renal	5
Gastroenterology	4