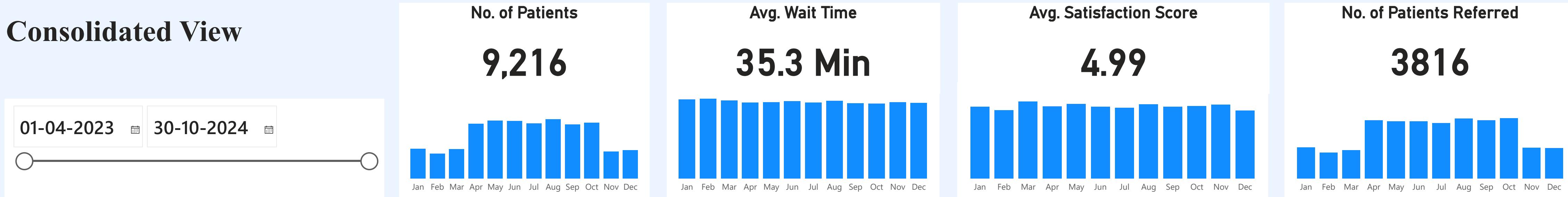


Hospital Management Analytics Dashboard



Consolidated View

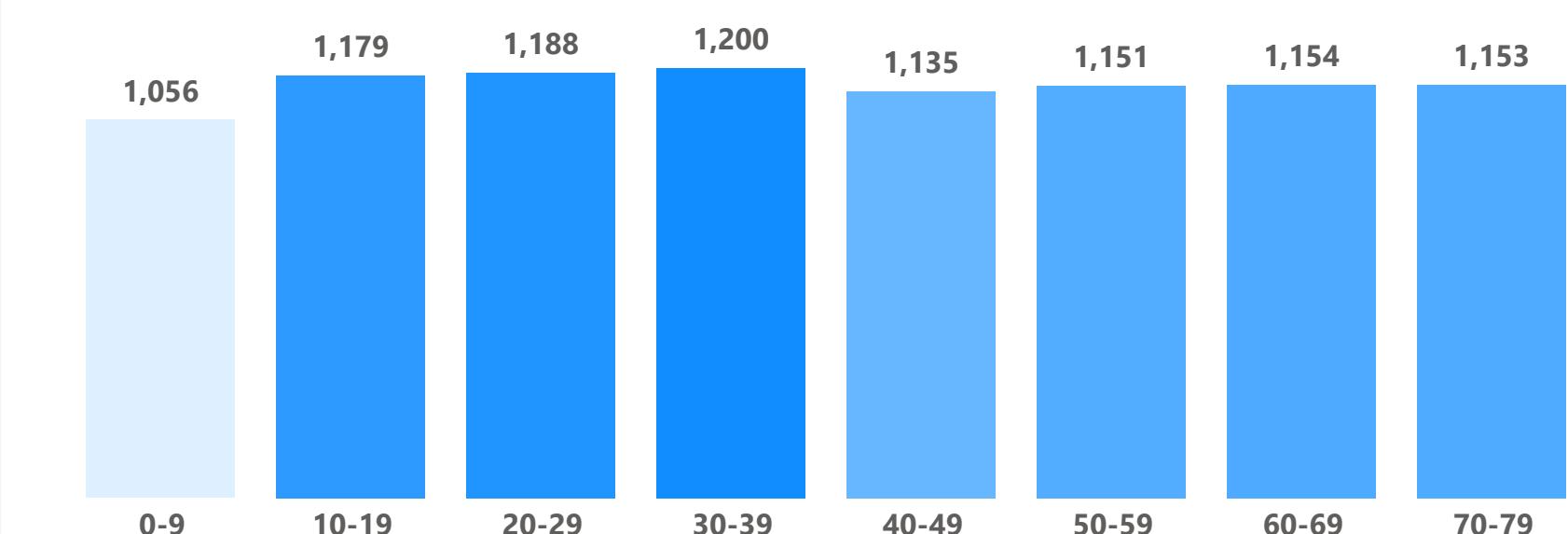


Patient Admission Status

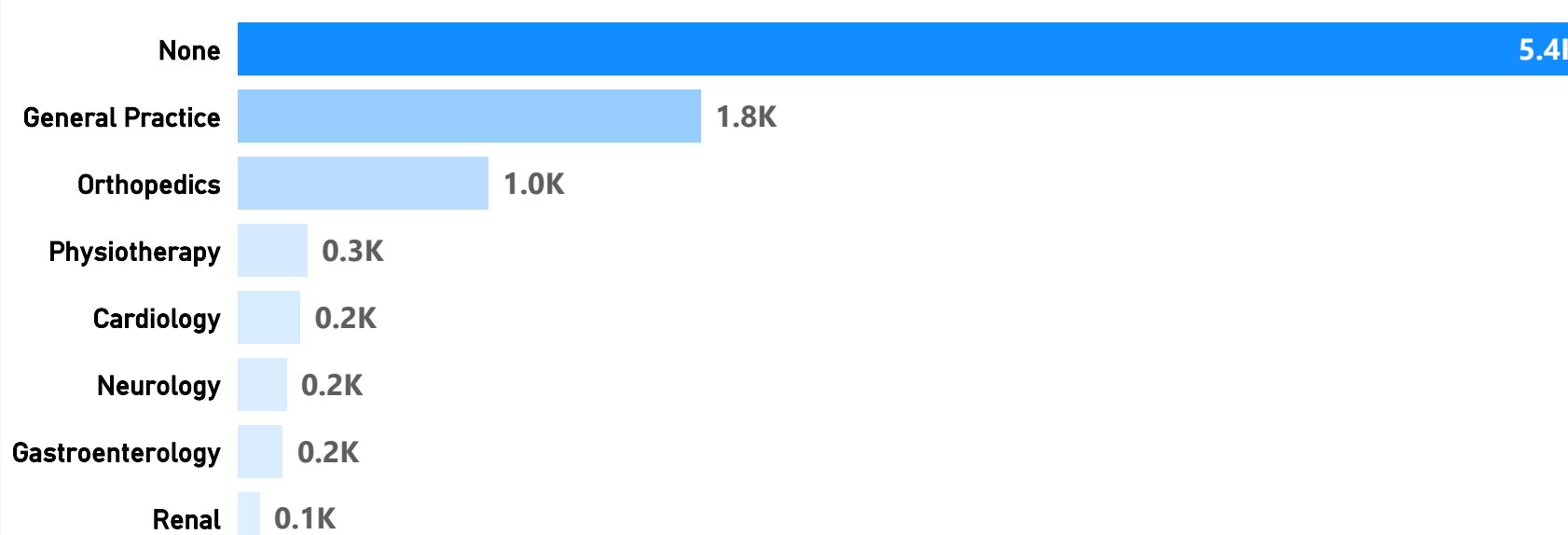
Admission Status Patients % of Total Patients

Admitted	4,612	50.04%
Not Admitted	4,604	49.96%

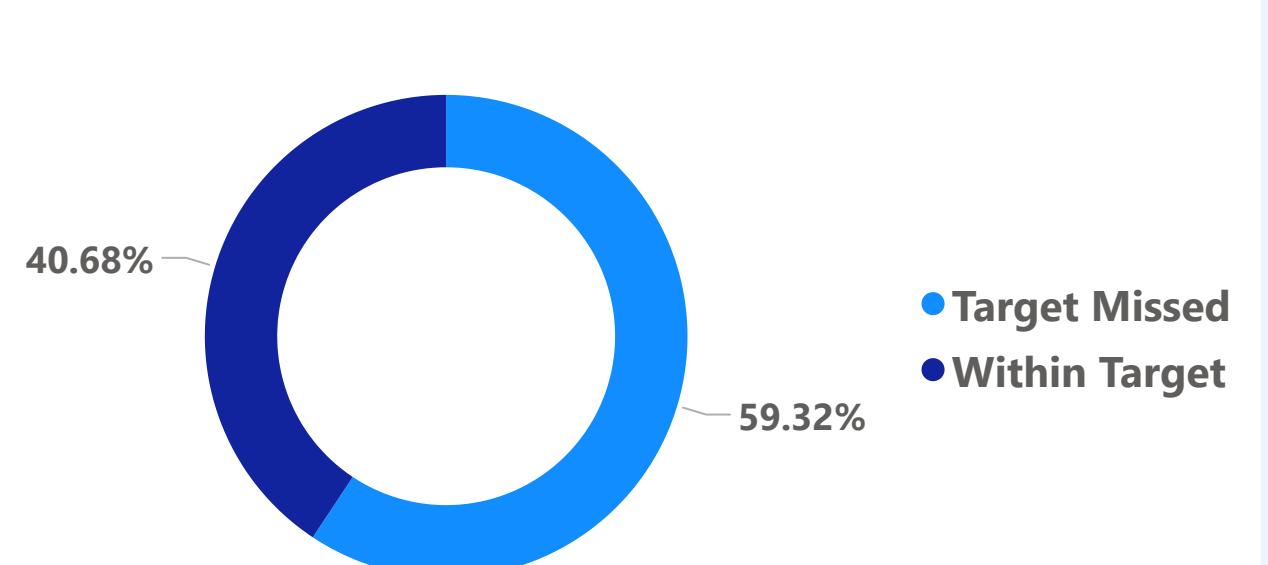
No of Patients by Age Group



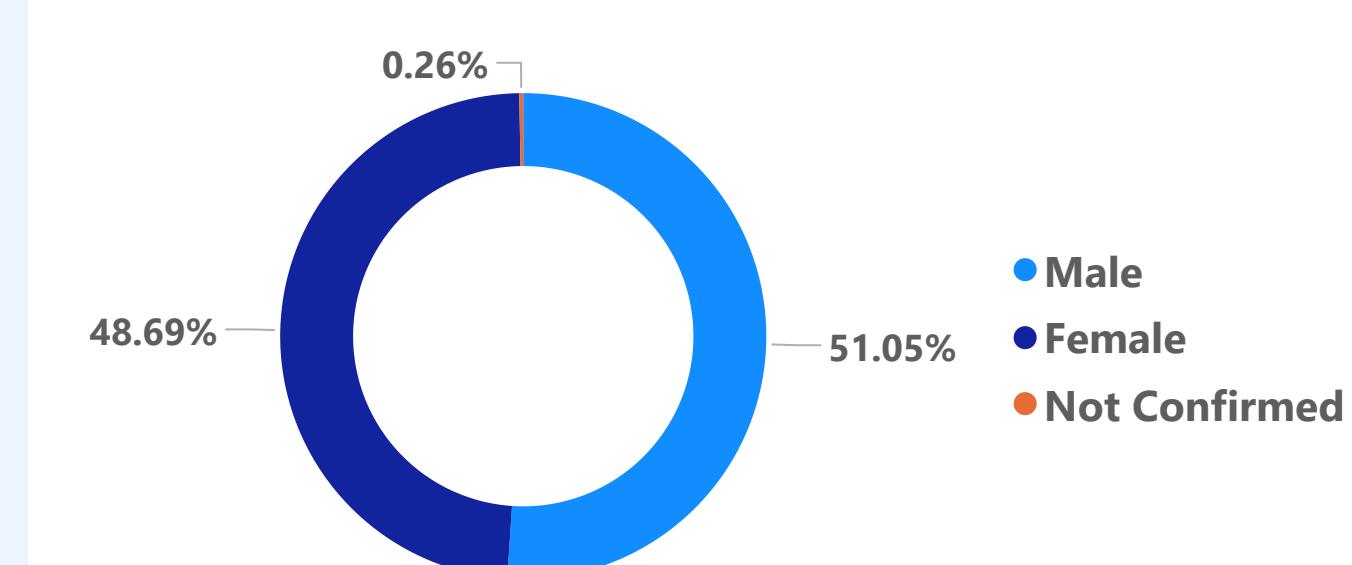
No of Patients by Department Referral



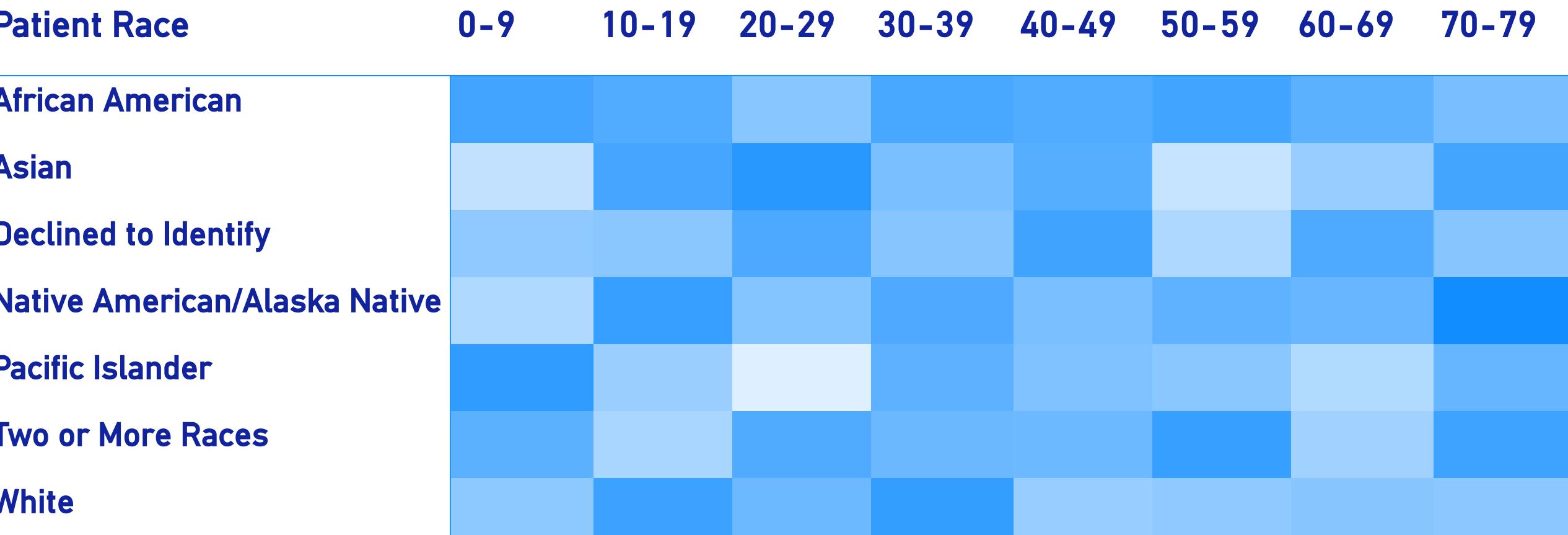
% of Patients admitted within 30 minutes



Patient Gender Distribution



Avg. Wait Time by Patient Race and Age Group



Hospital Management Analytics Dashboard



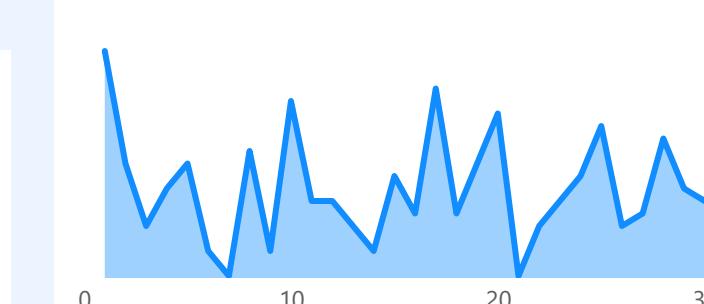
Monthly View

Month and Year

Aug 2024

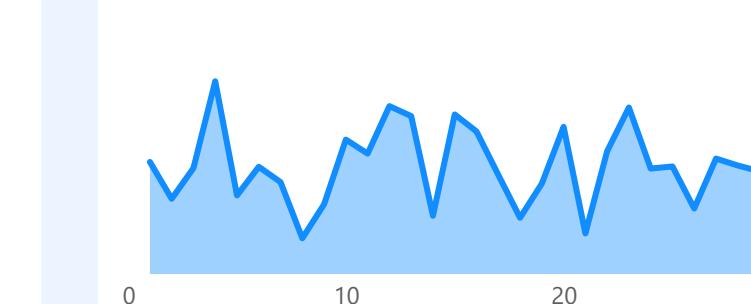
No. of Patients

530



Avg. Wait Time

35.1 Min



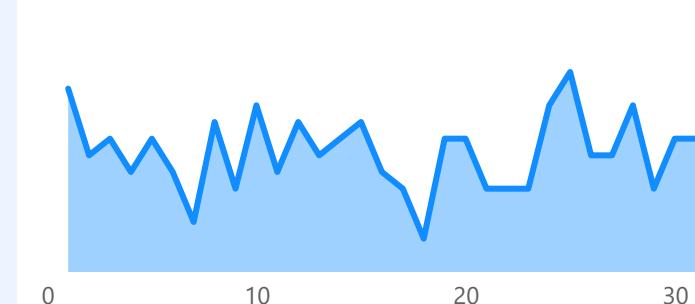
Avg. Satisfaction Score

5.18



No. of Patients Referred

223

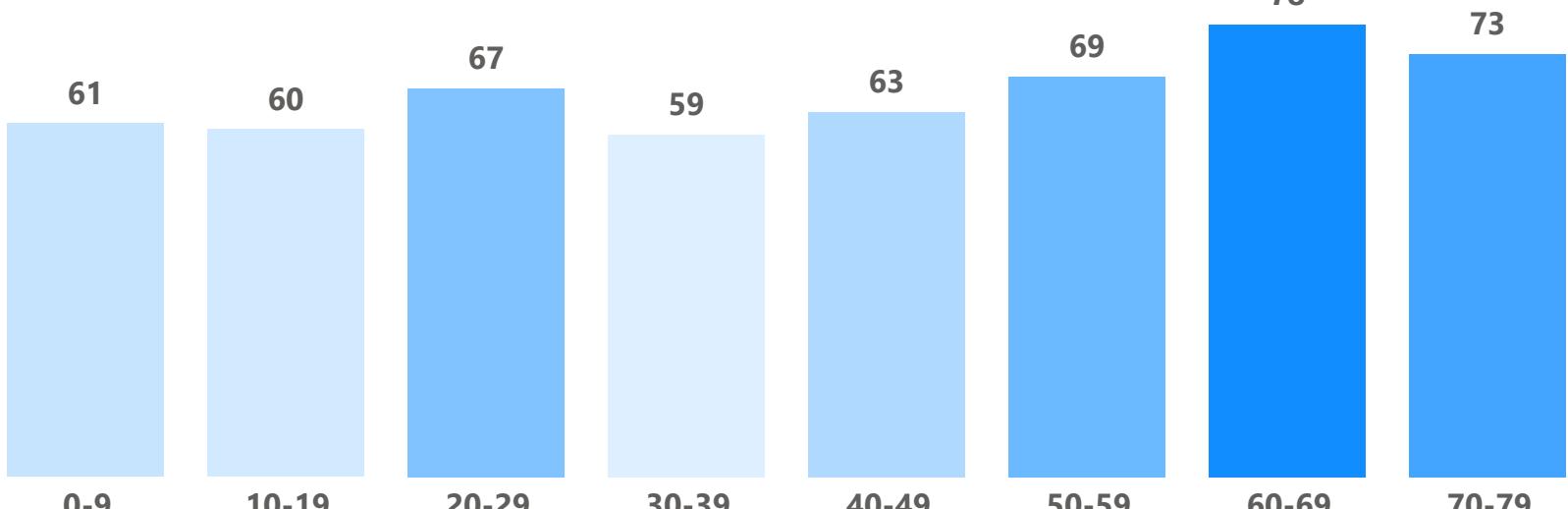


Patient Admission Status

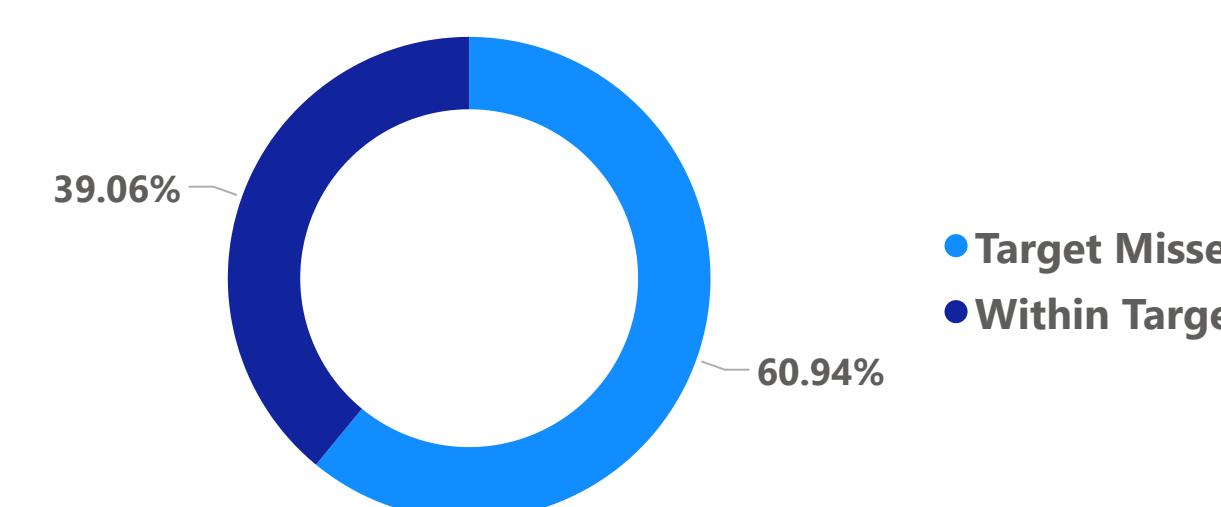
Admission Status Patients % of Total Patients

Admitted	242	45.66%
Not Admitted	288	54.34%

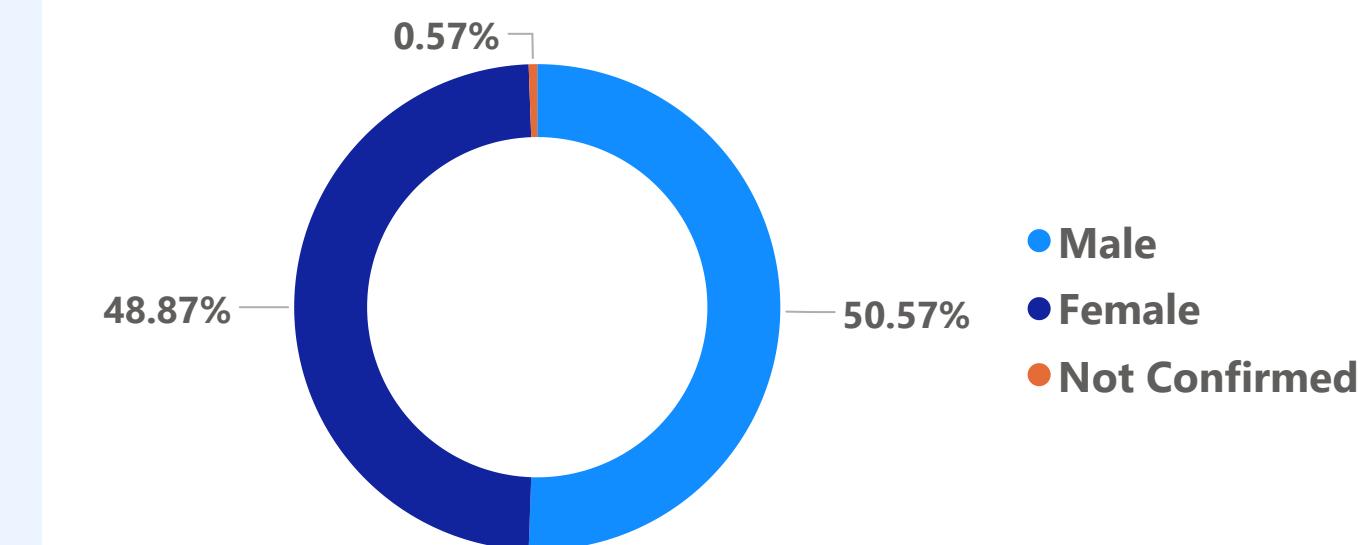
No of Patients by Age Group



% of Patients admitted within 30 minutes

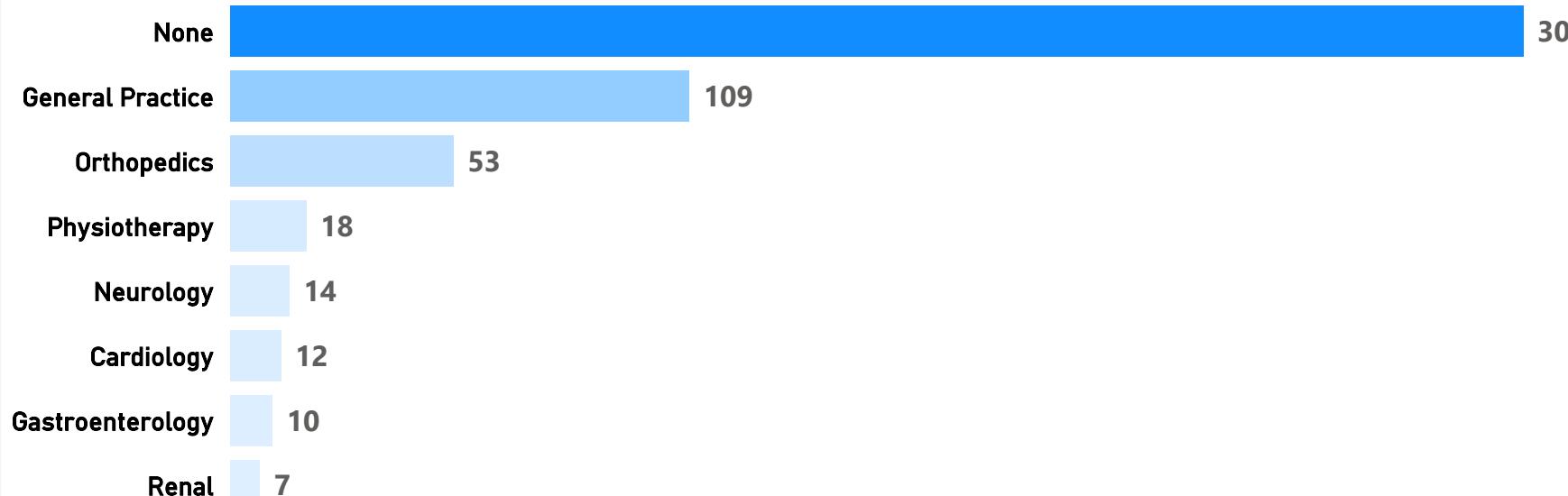


Patient Gender Distribution



Avg. Wait Time by Patient Race and Age Group

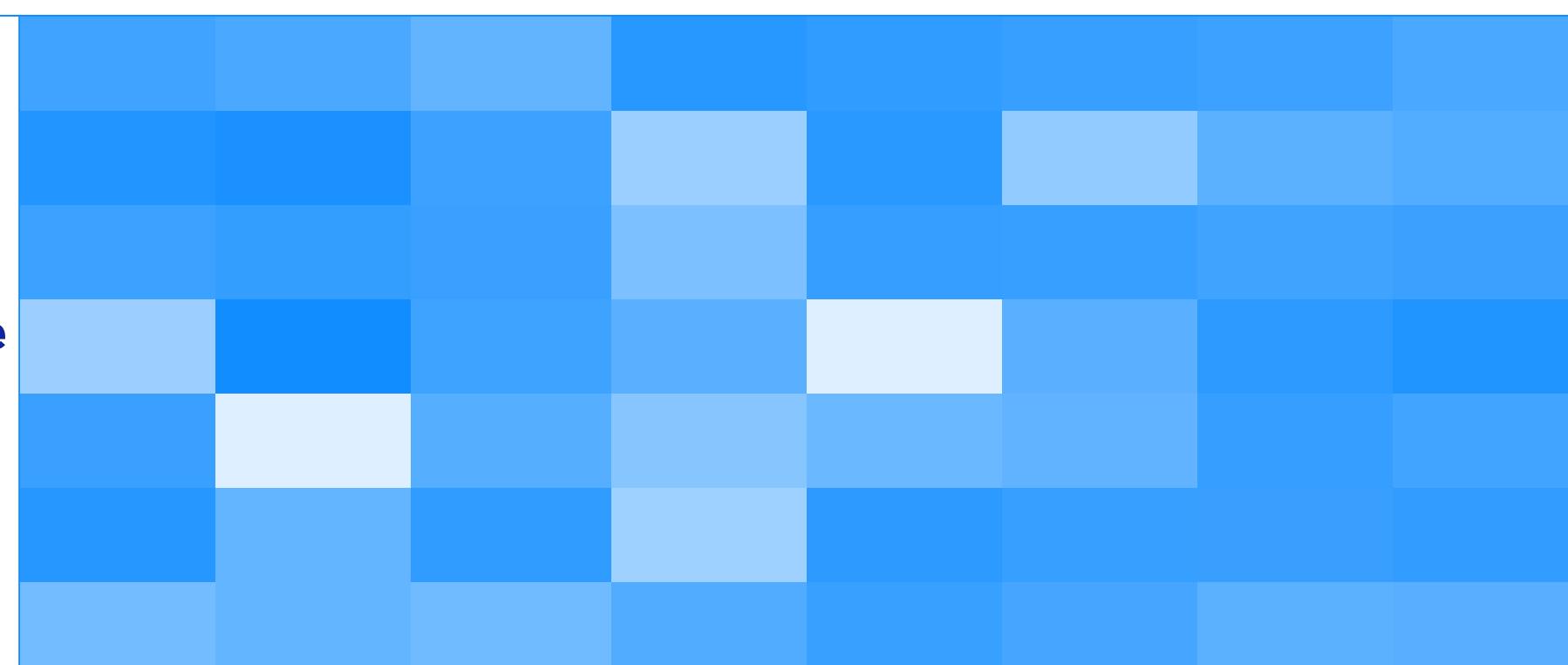
No of Patients by Department Referral



Patient Race

African American
Asian
Declined to Identify
Native American/Alaska Native
Pacific Islander
Two or More Races
White

0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79





Key Takeaways

The emergency room dataset, covering a period of **19 months (April 2023 – October 2024)**, 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 experience.

Departmental Referrals

A significant number of patients (**5,400**) did not require referrals. Among those referred, the most common departments were:

- **General Practice (1,840 cases)**
- Orthopedics (995 cases)
- Physiotherapy (276 cases)
- Cardiology (248 cases)

Peak Busy Periods

The busiest days were **Mondays (1,377 patients)**, Saturdays (1,322 patients), and Tuesdays (1,318 patients). The busiest hours were 11 AM, 1 PM, 7 PM, and 11 PM, indicating the need for ample staffing during these periods.

Patient Demographics

Adults aged **30–39 years formed the largest group (1,200 patients)**, followed by young adults aged 20–29 years (1,188 patients). Other significant groups included middle-aged adults (40–50 years).

Race Distribution

The largest racial group was **White (2,571 patients)**, followed by African American (1,951), multi-racial (1,557), and Asian (1,060) patients. A significant number of patients (1,030) declined to identify their race.

Admission Patterns

Nearly half of the patients (**4,612**) were admitted, while the remaining (**4,604**) 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. 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.