

The background is a dark teal color. It features several abstract geometric shapes: a large teal circle on the left, a medium teal circle at the top right, a large teal circle on the right side, a small teal circle at the bottom right, and a red vertical rectangle in the top right corner.

Hospital Emergency Room Dashboard

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Project Steps

- ▶ Requirement Gathering / Business Requirements
- ▶ Data Walkthrough
- ▶ Data Connection
- ▶ Data Cleaning / Quality Check
- ▶ Data Modeling
- ▶ Data Processing
- ▶ DAX Calculations
- ▶ Dashboard Layout and Formatting
- ▶ Charts Development
- ▶ Dashboard / Report Development
- ▶ Insights Generation

Business Requirements - KPIs

- ▶ Total Number of Patients: Track daily visits and trends.
- ▶ Average Wait Time: Measure patient waiting period.
- ▶ Patient Satisfaction Score: Evaluate service quality.
- ▶ Number of Patients Referred: Count and analyze referrals to departments.

Dashboard 1: Monthly View

- ▶ Patient Admission Status: Admitted vs. Non-Admitted
- ▶ Patient Age Distribution (Grouped by 10-year intervals)
- ▶ Department Referrals
- ▶ Timeliness: % seen within 30 minutes
- ▶ Gender Analysis
- ▶ Racial Demographics
- ▶ Time Analysis by Day and Hour

Dashboard 2: Consolidated View

- ▶ Summary of key metrics for a selected date range
- ▶ Aggregated charts similar to Monthly View
- ▶ Broader insight into performance and trends

Dashboard 3: Patient Details

- ▶ Detailed grid-level insights with fields.
- ▶ Patient ID, Full Name, Gender, Age
- ▶ Admission Date, Race, Wait Time
- ▶ Department Referral, Admission Status