

Healthcare Analytics Report

This report provides comprehensive insights into patient experiences, healthcare providers' performance, and overall operational efficiency as of April 2025.

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Patients Report Overview

A Comprehensive Overview of Patient Care Insights



❑ Purpose of the Report

- To analyze patient demographics and satisfaction in healthcare settings.

❑ Patient Age Group Distribution

- Visualize the age demographics of patients to understand the age segments better.

❑ Patient Gender Split

- Examine the gender distribution among patients for targeted care strategies.

❑ Geographical Distribution of Patients

- Map showing where patients are located to identify regional healthcare needs.

❑ Patient Satisfaction Score Over Time

- Track patient satisfaction trends to improve healthcare services.

❑ Emergency vs. Non-Emergency Visits

- Compare the number of emergency and non-emergency visits for resource allocation.

❑ Insurance Coverage Breakdown

- Analyze the types of insurance patients hold to optimize billing practices.

Key Performance Indicators for Patients

Analyzing patient metrics for healthcare insights



KPI	Value
Total Number of Patients	5000
Average Patient Satisfaction Score	4.00
Percentage of Emergency Visits	38.58%
Follow-Up Visit Rate	50.14%
Average Treatment Cost per Patient	\$526.08
Percentage of Unpaid Visits	38.30%

Doctors Report Overview

Analyzing Performance Across Healthcare Providers



❑ Purpose of the Doctors Report

The report evaluates doctors' performance to enhance healthcare delivery.

❑ Visits per Doctor Visualization

Bar chart illustrating the number of visits for each doctor.

❑ Doctor Satisfaction Scores

Visual representation of satisfaction scores collected from patients.

❑ Procedures by Each Doctor

Heatmap showcasing the procedures performed by individual doctor.

❑ Department-wise Contribution

Breakdown of doctor contributions by department to assess efficiency.

❑ Success Rate of Doctors

Analysis of the success rate achieved by each doctor in treatment.

❑ Doctors Nationality Map

Map visualizing the nationality distribution of the providers.

Key Performance Indicators Overview

Analyzing performance of healthcare providers



KPI	Description
Total Number of Doctor	5
Average Patient Satisfaction Score per Doctor	4.00
Provider Productivity (Visits per Doctor)	1000
Success Rate per Doctor	61.70%
Average Treatment Cost per Doctor	\$528.38
Percentage of Emergency Visits Handled by Doctors	24.70%

Calculating Revenue

An overview of healthcare resource optimization



❑ Purpose of the Report

This report aims to calculate the revenue by different sources within healthcare facilities.

❑ Total Billing Amount By City

Examines Total Billing Amount by Cities and States of the European Countries

❑ Total Billing amount By Procedure

Analyzes Billing amount by Procedure to identify improvement areas.

❑ Total Billing Amount By Department

Reviews Billing amount by Departments to identify improvement areas.

❑ Total Billing Amount By Diagnosis and Service Type

Analyzes billing amount by Diagnosis and Services types for more improvements in healthcare facilities

❑ Total Billing Amount By Months and Weekdays

Analyzes billing amount by Months and Weekdays for more accurate analysis by Time.

Operational Efficiency – Optimizing Resources

An overview of healthcare resource optimization



❑ Purpose of the Report

This report aims to analyze operational efficiency within healthcare facilities.

❑ Room Utilization Analysis

Examines utilization of private rooms and general wards to maximize capacity.

❑ Length of Stay Trends

Analyzes trends in patient length of stay to identify improvement areas.

❑ Cost Analysis Overview

Reviews treatment costs and room charges to optimize financial resources.

❑ Payment Status Evaluation

Assesses payment status and insurance contributions for financial insights.

❑ **Patient Satisfaction Discrepancy**

Patient satisfaction scores are notably lower in emergency visits than in scheduled visits.

❑ **Follow-Up Protocol Improvement**

Enhance follow-up protocols to boost follow-up visit rates and patient engagement.

❑ **Emergency Visit Efficiency**

Increase resources in emergency departments to reduce wait times and improve patient experiences.

❑ **Data-Driven Decision Making**

Utilize patient feedback data to inform service delivery improvements.

❑ **Training for Staff**

Provide additional training for staff on patient communication to enhance overall satisfaction.

Key Insights and Actionable Recommendations

Summarizing key findings and suggestions



Enhancing Healthcare Delivery Through Analytics

Utilizing reports to drive data-informed decisions fosters improved patient care, provider performance, and operational efficiency. Let's collaborate to implement these insights

