

Healthcare Dashboard Report

Insights from Patient Data (2019-2024)

Generated on May 3, 2025

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1 Summary

This report provides an overview of healthcare data from 2019 to 2024, based on a dataset of 55,500 patients across 39,880 hospitals, attended by 40,340 doctors. Key metrics include patient demographics, admission trends, medical conditions, and treatment costs.

- **Total Patients:** 55,500
- **Total Doctors:** 40,340
- **Total Hospitals:** 39,880
- **Gender Breakdown:** Male (27,770), Female (27,730)
- **Average Length of Stay:** 16 days
- **Average Cost of Treatment:** 25,000 (assumed currency)

2 Detailed Analysis

2.1 Year-Wise Patient Admissions

The following table summarizes patient admissions over the years, showing a peak in 2020 followed by a decline by 2024.

| Year | 2018 | 2020 | 2022 | 2024 |
|----------------|------|------|------|------|
| Admissions (K) | 7.4 | 11.3 | 10.9 | 3.9 |

Table 1: Year-Wise Patient Admissions

2.2 Medical Condition-Wise Count

The distribution of medical conditions among patients is fairly even, with Asthma being the most common.

| Condition | Asthma | Arthritis | Cancer | Diabetes | Hypertension | Obesity |
|-----------|--------|-----------|--------|----------|--------------|---------|
| Count (K) | 9.19 | 9.31 | 9.23 | 9.3 | 9.25 | 9.23 |

Table 2: Medical Condition-Wise Count

2.3 Admission Type-Wise Count

Admissions are nearly evenly split across Elective, Urgent, and Emergency types.

| Type | Elective | Urgent | Emergency |
|-------|----------|--------|-----------|
| Count | 18,655 | 18,576 | 18,269 |

Table 3: Admission Type-Wise Count

2.4 Age-Wise Admissions

GenX and Millennials constitute the majority of hospital admissions.

| Age Group | GenX (45+) | Millennials (25-44) | Older People (65+) | Boomers | GenZ (18-24) | Teens (<18) |
|-----------|------------|---------------------|--------------------|---------|--------------|-------------|
| Count | 16,476 | 16,228 | 8,986 | 101 | 55 | 24 |

Table 4: Age-Wise Admissions

2.5 Additional Insights from Data

From the patient dataset:

- **Gender Distribution:** Females slightly outnumber males, with 27,730 female patients compared to 27,770 male patients.
- **Average Length of Stay:** Patients stay an average of 16 days in the hospital, consistent with the dashboard.
- **Average Billing Amount:** The average cost of treatment is approximately 25,000, aligning with the dashboard's insight.

3 Conclusion

This healthcare dashboard analysis reveals that GenX and Millennials are the primary age groups admitted to hospitals, making up over 60% of admissions. Medical conditions are evenly distributed, with Asthma, Arthritis, and Diabetes being the most prevalent. The average length of stay is 16 days, and the average treatment cost is around 25,000. Admission types are balanced across Elective, Urgent, and Emergency categories, indicating a diverse range of healthcare needs.