

# Data analytics in Healthcare

In today's data-driven age, health care is transitioning from opinion-based decisions to informed decisions based on data and analytics. Analysing the data reveals trends and knowledge trends and knowledge that may run contrary to our assumptions causing a shift in ultimate decisions that turn will better serve both patients and health care enterprise. We recount NexBox as a future of analytics. This is a complete end –to-end analytical platform. Where you can prepare, visualize and analyse your complex business data.

# Features of NexBox

- ✓ On premise.
- ✓ On cloud.
- ✓ Security with LDAP.
- ✓ ETL/ELT/Data ingestion.
- ✓ Direct RDBMS.
- ✓ Role based access.
- ✓ Embedded Portal.
- ✓ Ad-hoc Analysis high volume data.
- ✓ App or sites integration.
- ✓ Self service.
- ✓ Email report/Triggers
- ✓ Data mash-ups.
- ✓ Custom charts.
- ✓ Visual and advance analytics
- ✓ Drag and drop user interface.
- ✓ Interactive browser based dashboard.
- ✓ Data import/ export in different formats.
- ✓ Complex business queries without programming and sql.

# Our solutions

- Patient analysis.
- Hospital performance analysis.
- Patient satisfaction.
- Financial analysis.
- Provider Analysis

# Patient Analysis

- Admitted vs Readmitted Patients of IP and EM patient type Out Patients
- IP Service Days by Adult and Children or New Born
- Avg. Census by Adult and Children or New Born
- IP Service Days and Avg. Census by Adult and Children or New Born
- Avg. LOS of IP by Patient Type ,Speciality , Ethnicity , Ethnic Group
- Number of Discharges / Number of Admits this year vs last year
- Distribution of LOS by Speciality , Ethnicity , Ethnic Group
- Total observation hours (i.e., patient continue to receive treatment as IP or get discharged from hospital )
- Bed occupancy rate by Adult and Children or New Born
- Bed Turnover Rate by Adult and Children or New Born

# Hospital Performance Analysis

- Admission by division
- Available staff per division
- Avg wait time by division
- Admission vs cost over time
- Avg patient per Dr. per month
- Confidence in treatment.
- Total patient admitted.
- Avg cost per patient.

# Patient satisfaction

- Overall patient satisfaction
- Lab test turnaround.
- Patient falls.
- Patient safety.
- Avg wait time
  - Arrival to bed
  - to see a doctor
  - to get a treatment

# Financial analysis

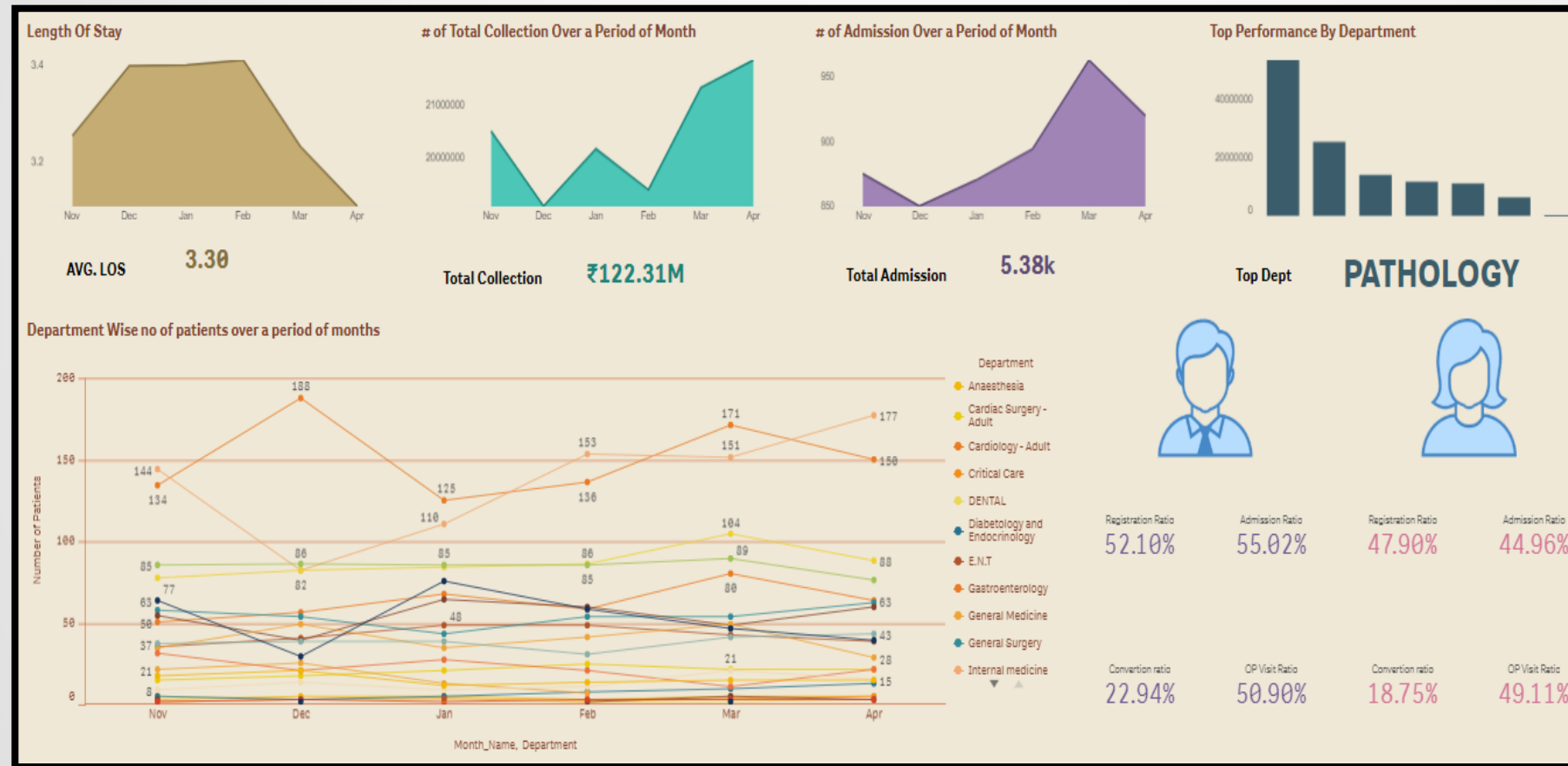
- Budget variance analysis
- Accounts payable / receivables
- Cash collected vs. target
- Cash on hand
- Percent of in-patient capitated and commercial revenue
- Percent of in-patient and out-patient revenue
- Percent of in-patient HMO revenue
- Percent of in-patient and out-patient Medicaid revenue
- Percent of in-patient self-pay revenue
- Percent of Medicaid revenue
- Percent of out-patient revenue

# Provider Analysis

- Avg referred patients per provider
- Avg charge per provider
- Avg referral per provider
- Referred patients and avg charge by specialty
- Referrals and total charge by clinic
- Referring providers , avg charge and referrals by procedure category.

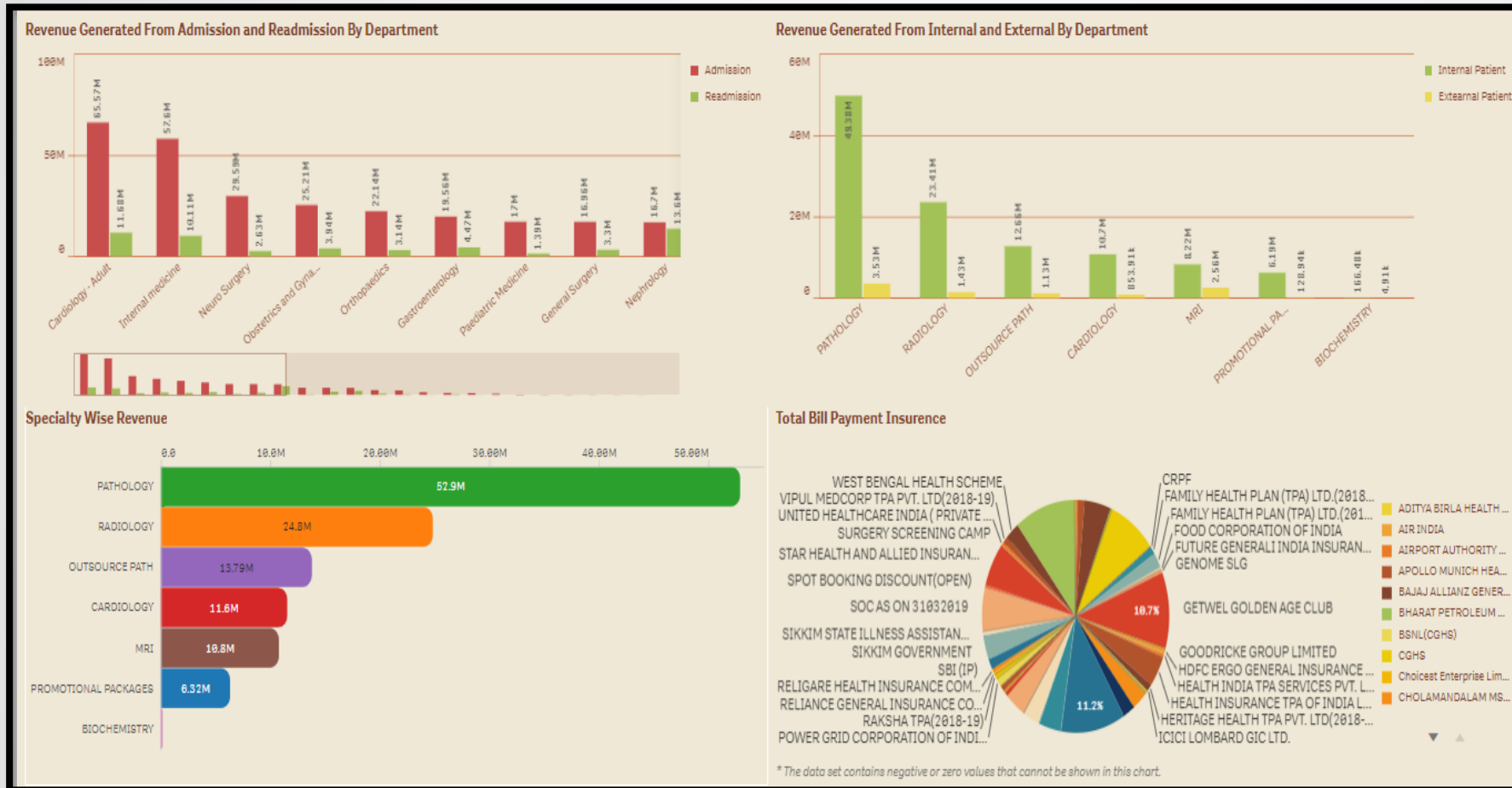


# Dashboard Preview



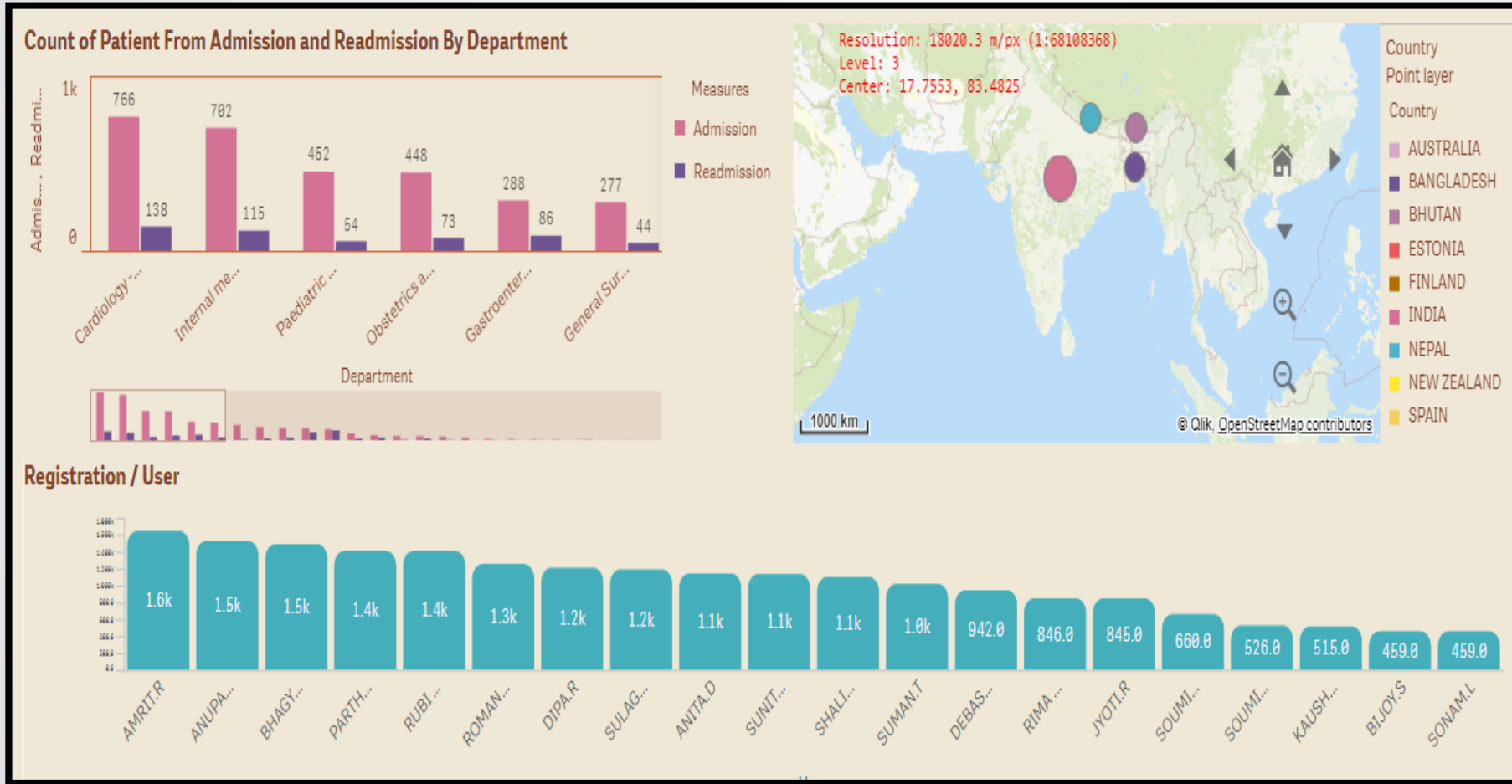
## Executive Dashboard

# Dashboard Preview



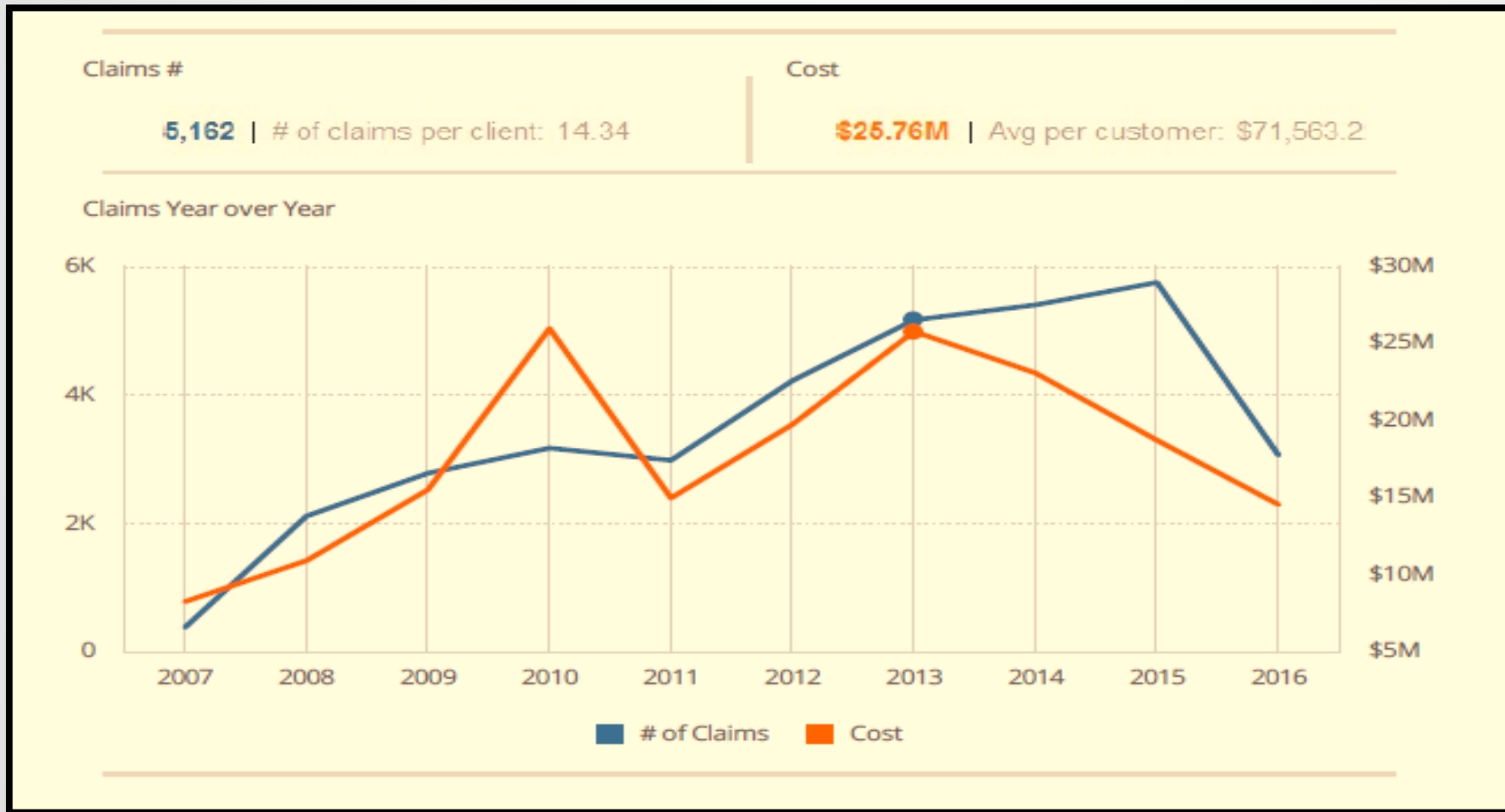
## Hospital Profit Analysis

# Dashboard Preview



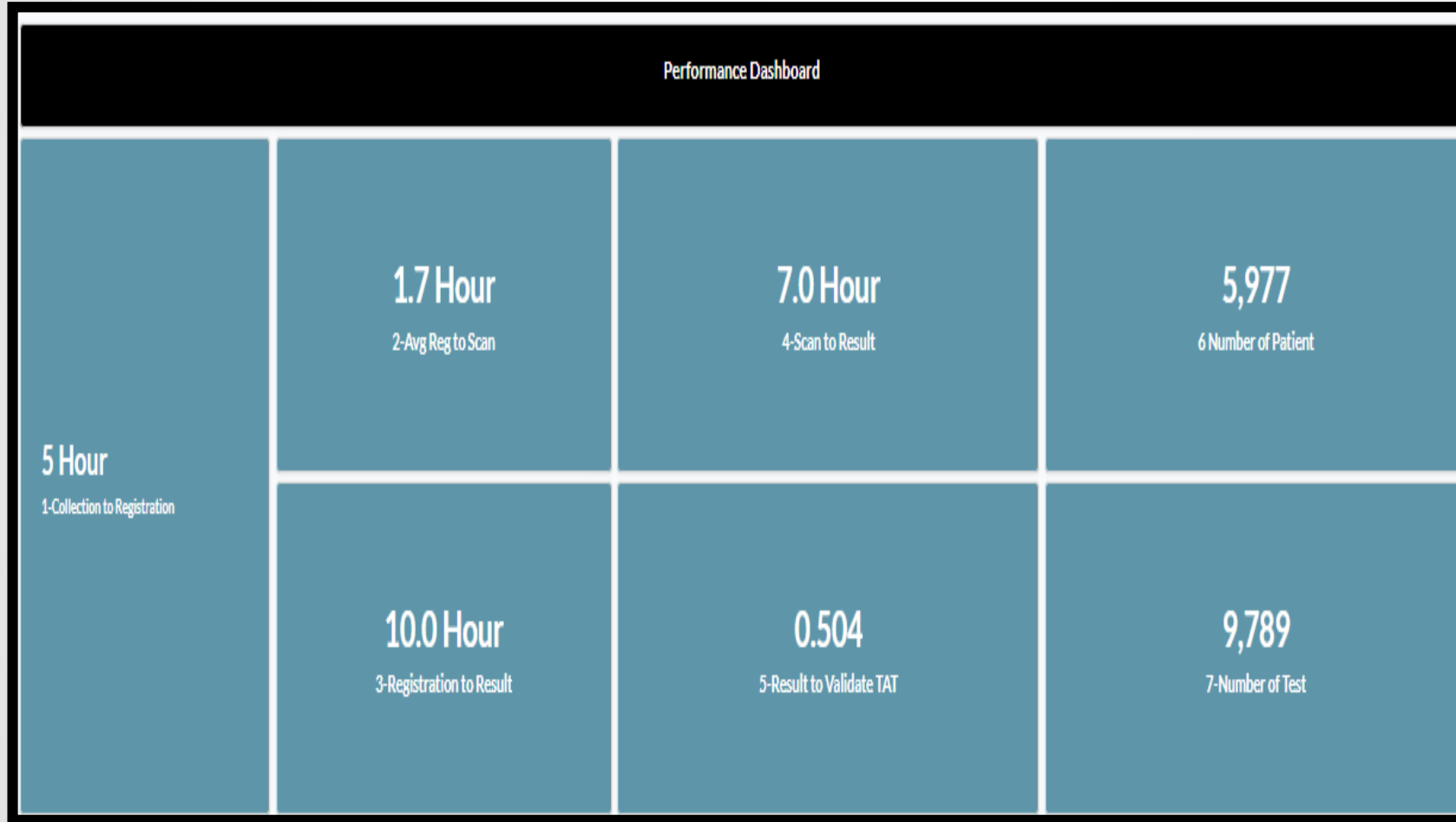
## Patient Analysis

# Dashboard Preview



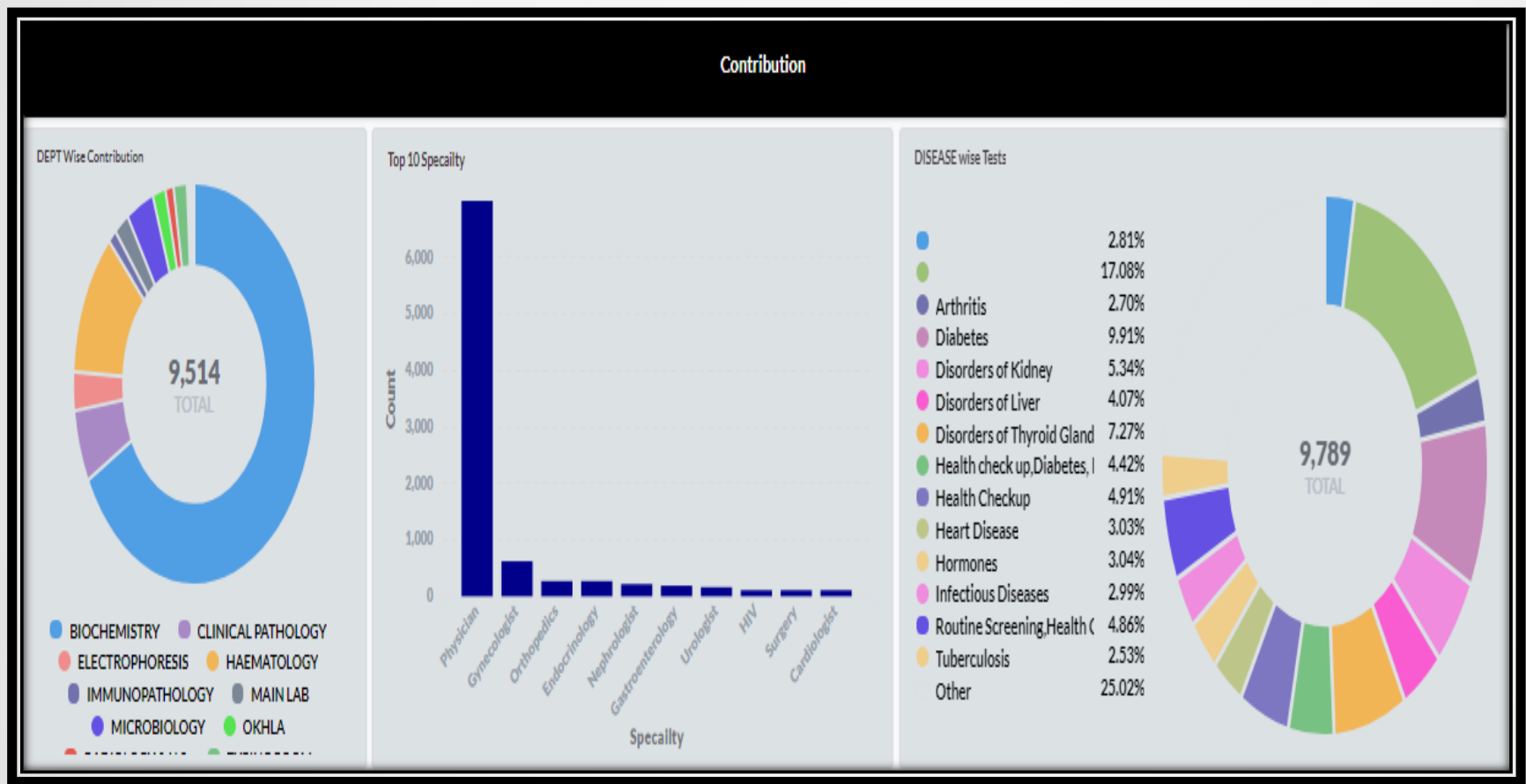
Insurance claim

# Dashboard Preview



Performance Dashboard

# Dashboard Preview



**Contribution Analysis**

Thank you