

Project Development
PhaseSprint -3

Date	10 November2022
TeamID	PNT2022TMID14777
ProjectName	Project - Analytics for hospitals healthcaredata

Project Development

Phase:Sprint-1:

- DataCollection
- DataPreparation

Sprint-2:

- DataExploration

Sprint-3:

- DashboardCreation

Sprint-4:

- ReportCreation
- StoryCreation

Analytics for Hospital's Health Care Data

TEAM LEAD : JANANI M
TEAM MEMBER 1 : KAVIPRIYA T
TEAM MEMBER 2 : SADHASIVAM S
TEAM MEMBER 3 : MANJEET SINGH



TEAM ID : PNT2022TMID14777

Sprint-1

Dashboard Creation

- **Overview**
- **Department Analysis**
- **Location Wise Analysis**
- **Severity of Illness**
- **Admission Deposit Analysis**

Overview:

Total Department

5

Department

patientid

20.9B

patientid

Admission_Deposit

1.55B

Admission_Deposit

Bed Grade

836K

Bed Grade

Available Extra Rooms in Hospital

1.02M

Available Extra Rooms in Hospital

Visitors with Patient

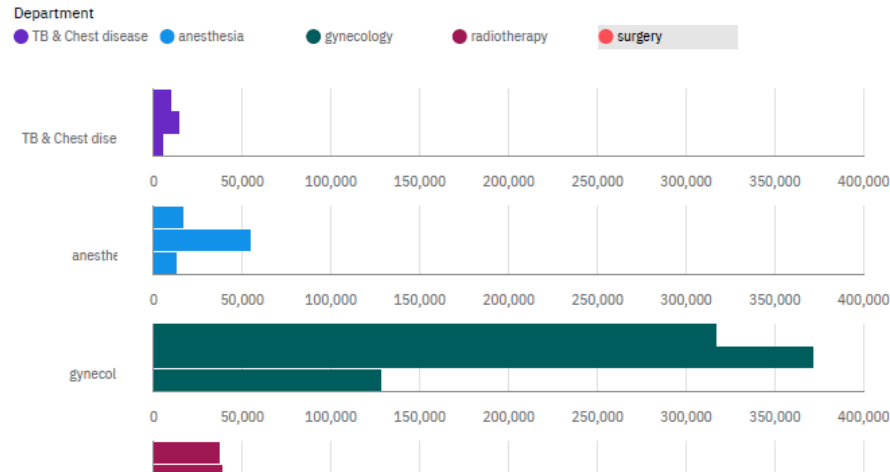
1.05M

Visitors with Patient

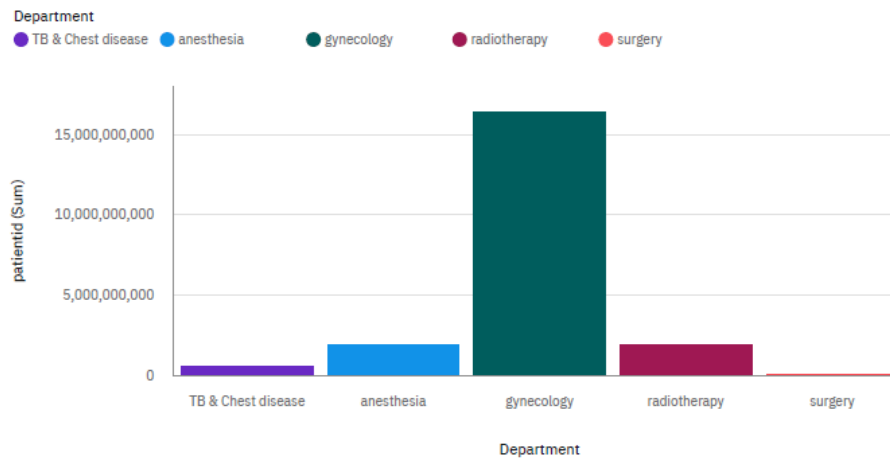
Department Analysis:

Department Analysis

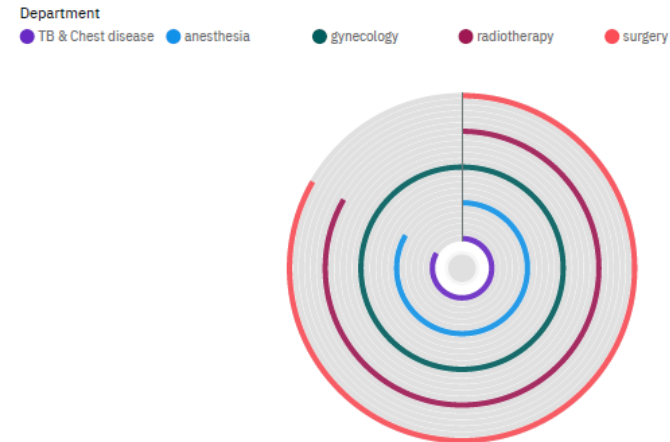
Available Extra Rooms in Hospital by Type of Admission colored by Department



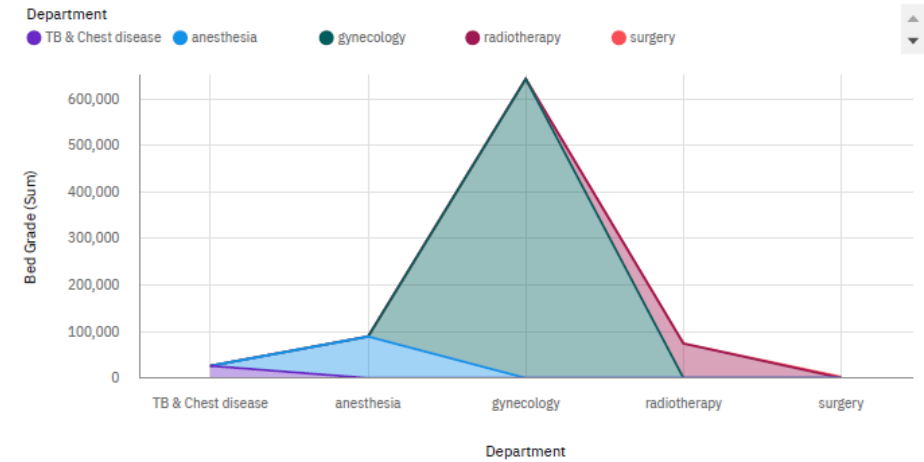
patientid by Department colored by Department



Ward_Type by Department colored by Department



Bed Grade by Department colored by Department



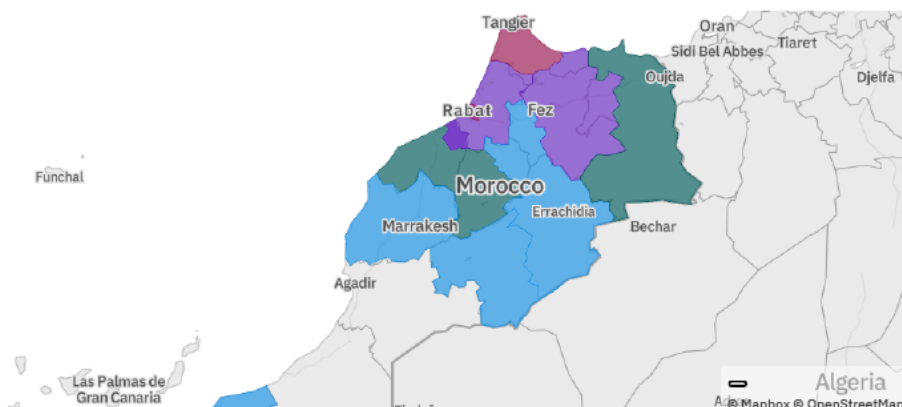
Location Wise Analysis:

Location Wise Dashboard

Department for City_Code_Hospital regions

Department

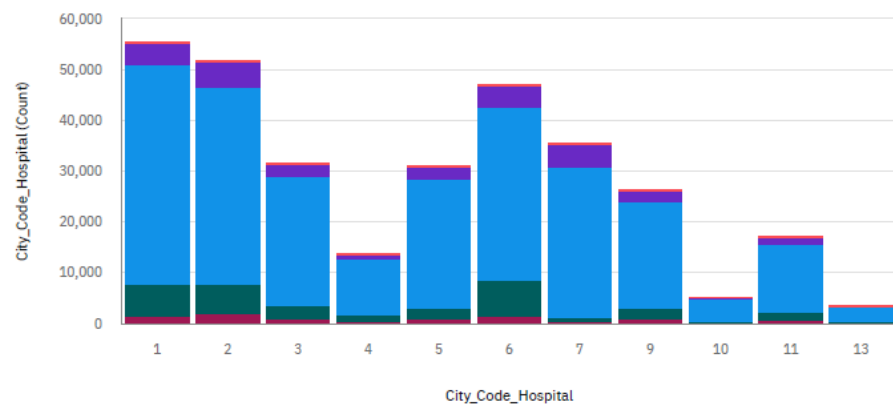
radiotherapy anesthesia gynecology TB & Chest disease surgery



City_Code_Hospital by City_Code_Hospital colored by Department

Department

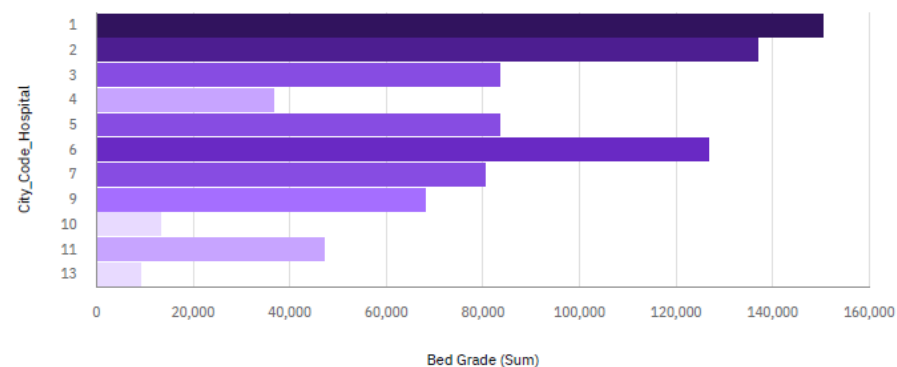
TB & Chest disease anesthesia gynecology radiotherapy surgery



Bed Grade by City_Code_Hospital colored by Bed Grade

Bed Grade (Sum)

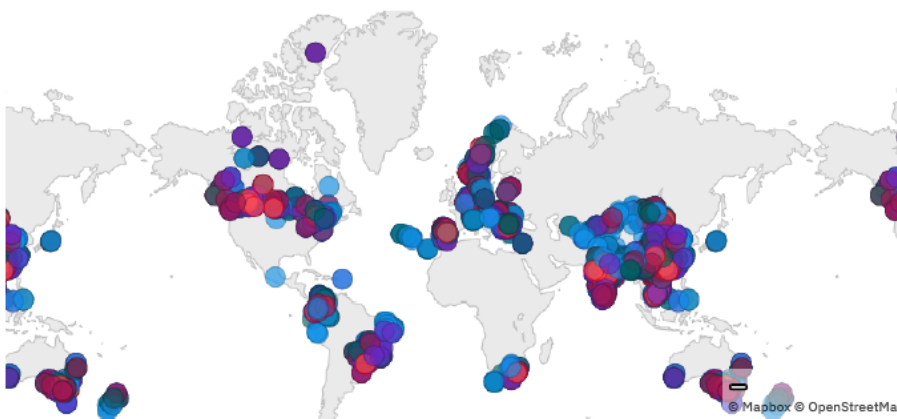
9,183 150,487



Department for Admission_Deposit regions

Department

anesthesia radiotherapy gynecology TB & Chest disease surgery



Severity of Illness - Dashboard

Severity of Illness by Available Extra Rooms in Hospital colored by Severity of Illness

Severity of Illness

- Extreme
- Minor
- Moderate

Available Extra Rooms in Hospital

Severity of Illness (Count)

Department by Severity of Illness colored by Department

Department

- TB & Chest disease
- anesthesia
- gynecology
- radiotherapy
- surgery

Department (Count)

Severity of Illness

Severity of Illness colored by Department sized by Department

Department (Count)

- TB & Chest disease
- anesthesia
- gynecology
- radiotherapy
- surgery

Department

Severity of Illness

Severity of Illness to Department

From

- Severity of Illness

To

- Department

Severity of Illness

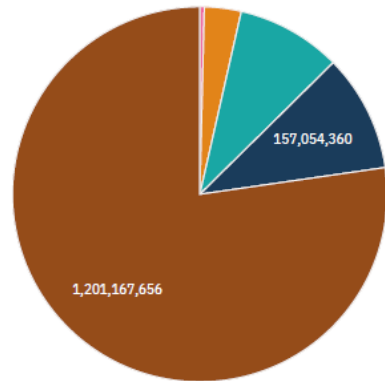
Department

Admission Deposit Analysis:

Admission Dashboard

Admission_Deposit by Department

Department
surgery TB & Chest disease radiotherapy anesthesia gynecology



Admission_Deposit compared to Type of Admission

1.55B ↑

Admission_Deposit

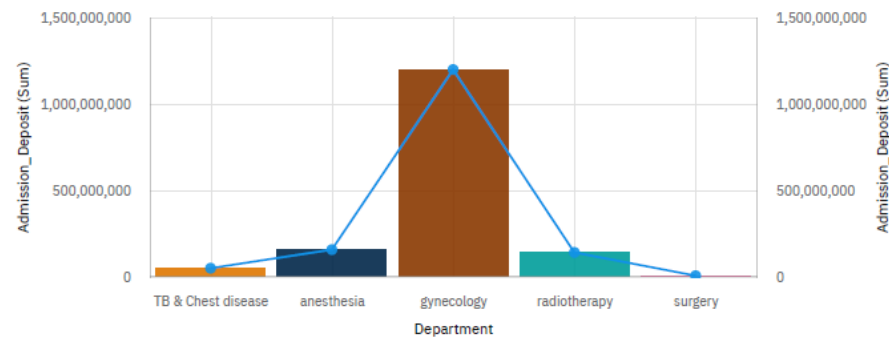
3 (+51,807,202,400%)

Type of Admission

Admission_Deposit and Admission_Deposit for Department colored by Department

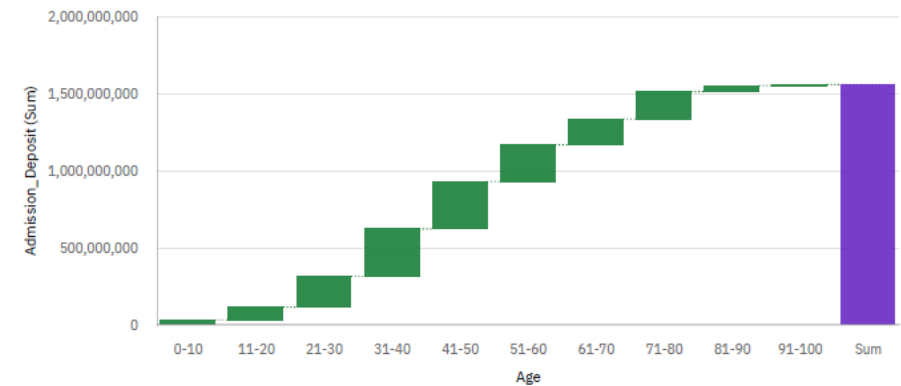
Department
TB & Chest disease anesthesia gynecology radiotherapy surgery

Line
Admission_Deposit (Sum)



Admission_Deposit for Age

Column values
Increase Decrease Sum



DataPreparationLink:

https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FHealthCare%2BAnalytics%2B-%2BDashboard&action=view&mode=dashboard&subView=model0000018480683365_00000000

