

**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

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**TEAM ID : PNT2022TMID14777**

## **Sprint-3**

### **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

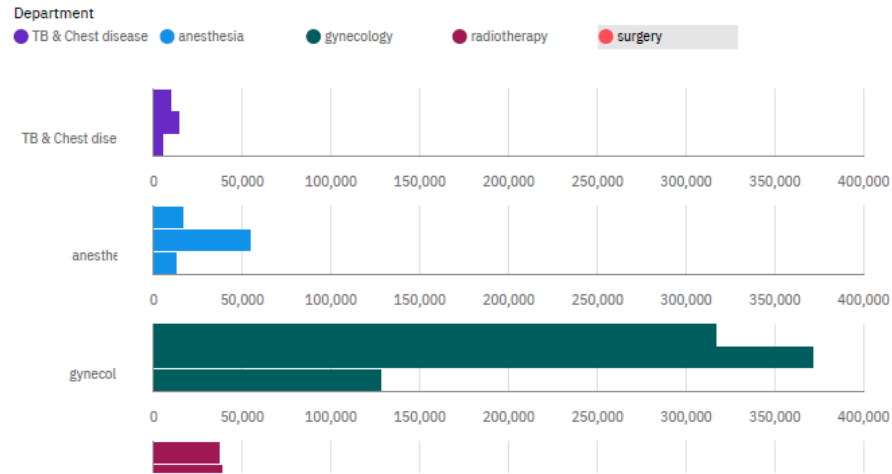
**1.05M**

Visitors with Patient

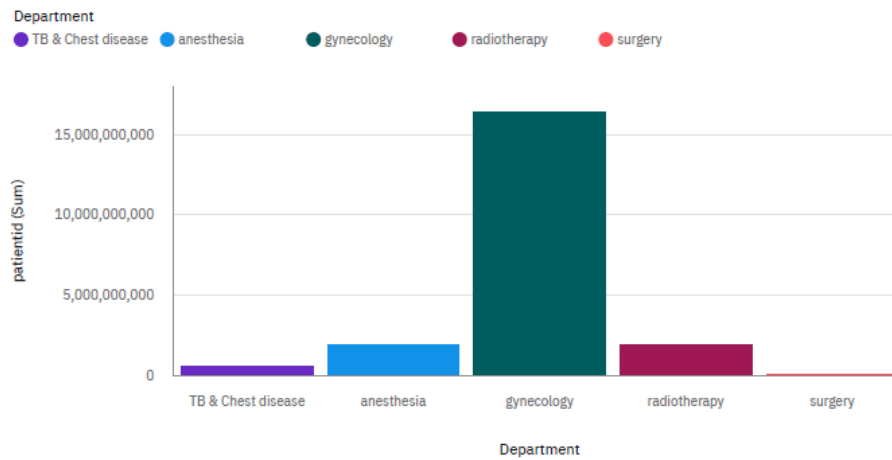
## Department Analysis:

### Department Analysis

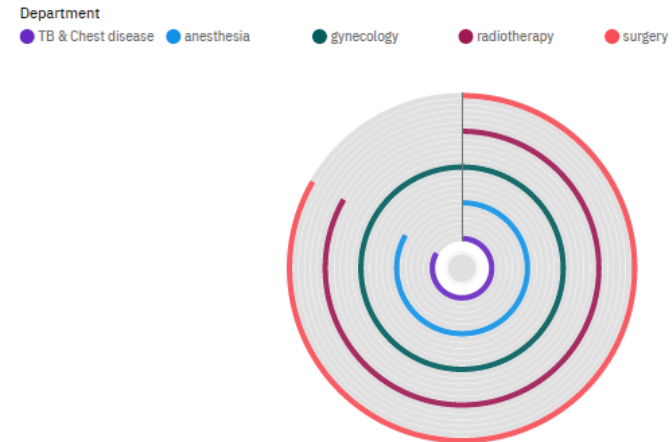
Available Extra Rooms in Hospital by Type of Admission colored by Department



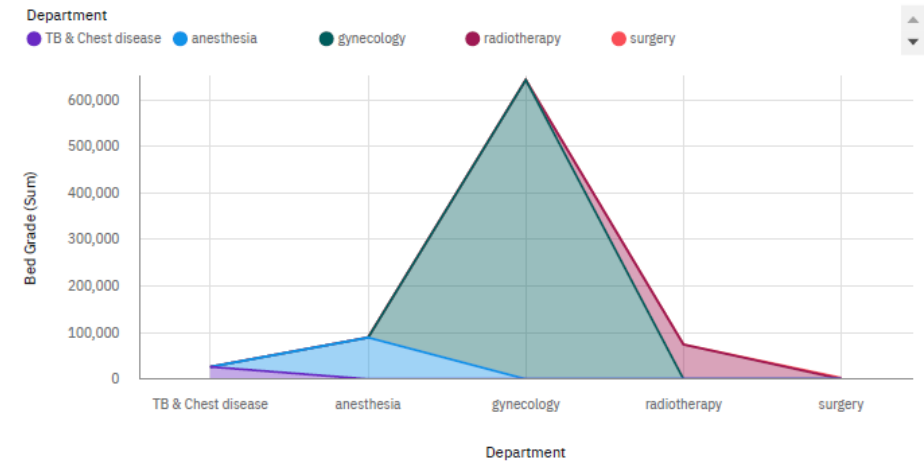
patientid by Department colored by Department



Ward\_Type by Department colored by Department



Bed Grade by Department colored by Department



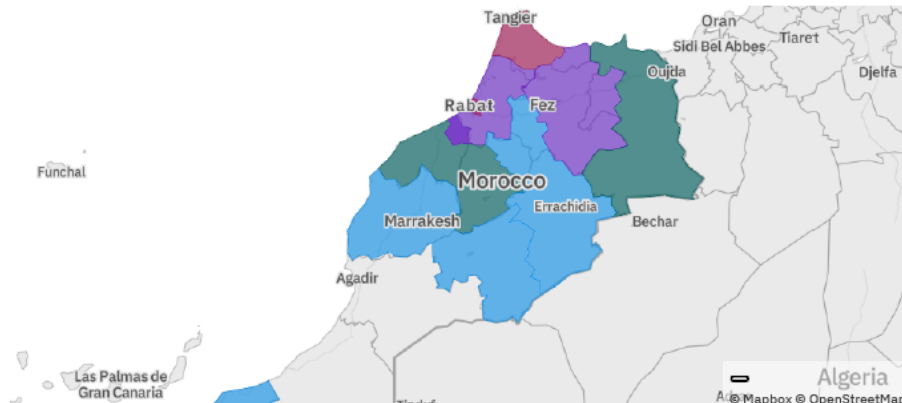
## Location Wise Analysis:

### Location Wise Dashboard

Department for City\_Code\_Hospital regions

Department

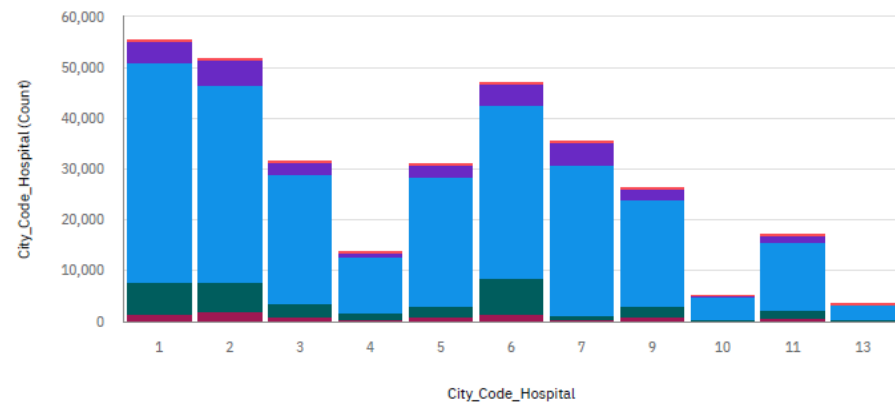
radiotherapy anesthesia gynecology TB & Chest disease surgery



City\_Code\_Hospital by City\_Code\_Hospital colored by Department

Department

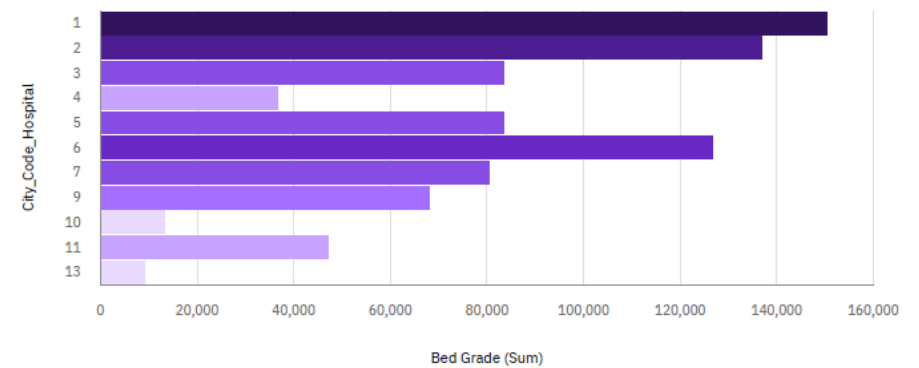
TB & Chest disease anesthesia gynecology radiotherapy surgery



Bed Grade by City\_Code\_Hospital colored by Bed Grade

Bed Grade (Sum)

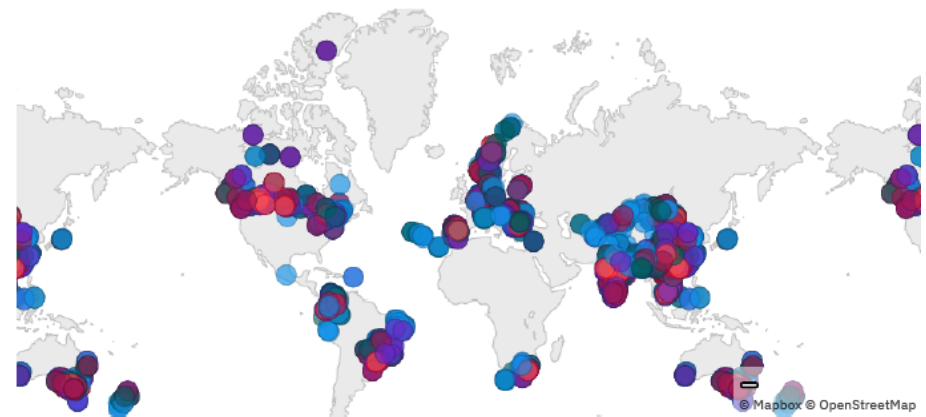
9,183 150,487



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)

Department

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

Severity of Illness to Department

From

To

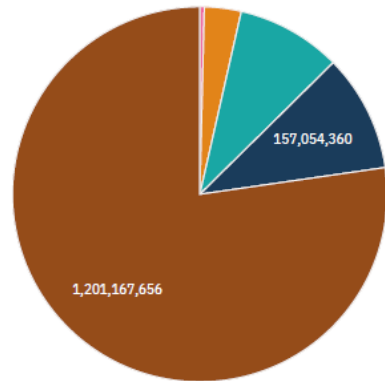
- Severity of Illness
- Department

## 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

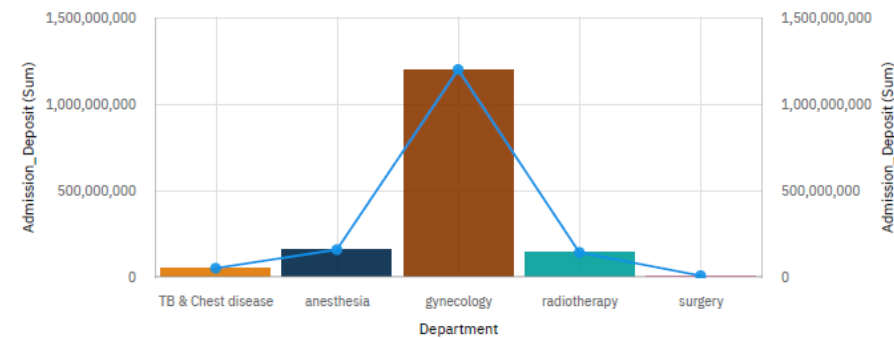
3 (+51,807,202,400%)

Type of Admission

#### Admission\_Deposit and Admission\_Deposit for Department colored by Department

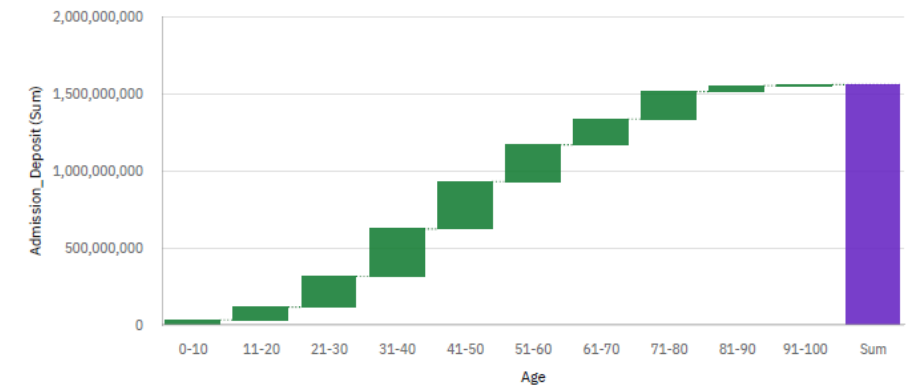
Department  
TB & Chest disease anesthesia gynecology radiotherapy surgery

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

