SPRINT – 4
DASHBOARD

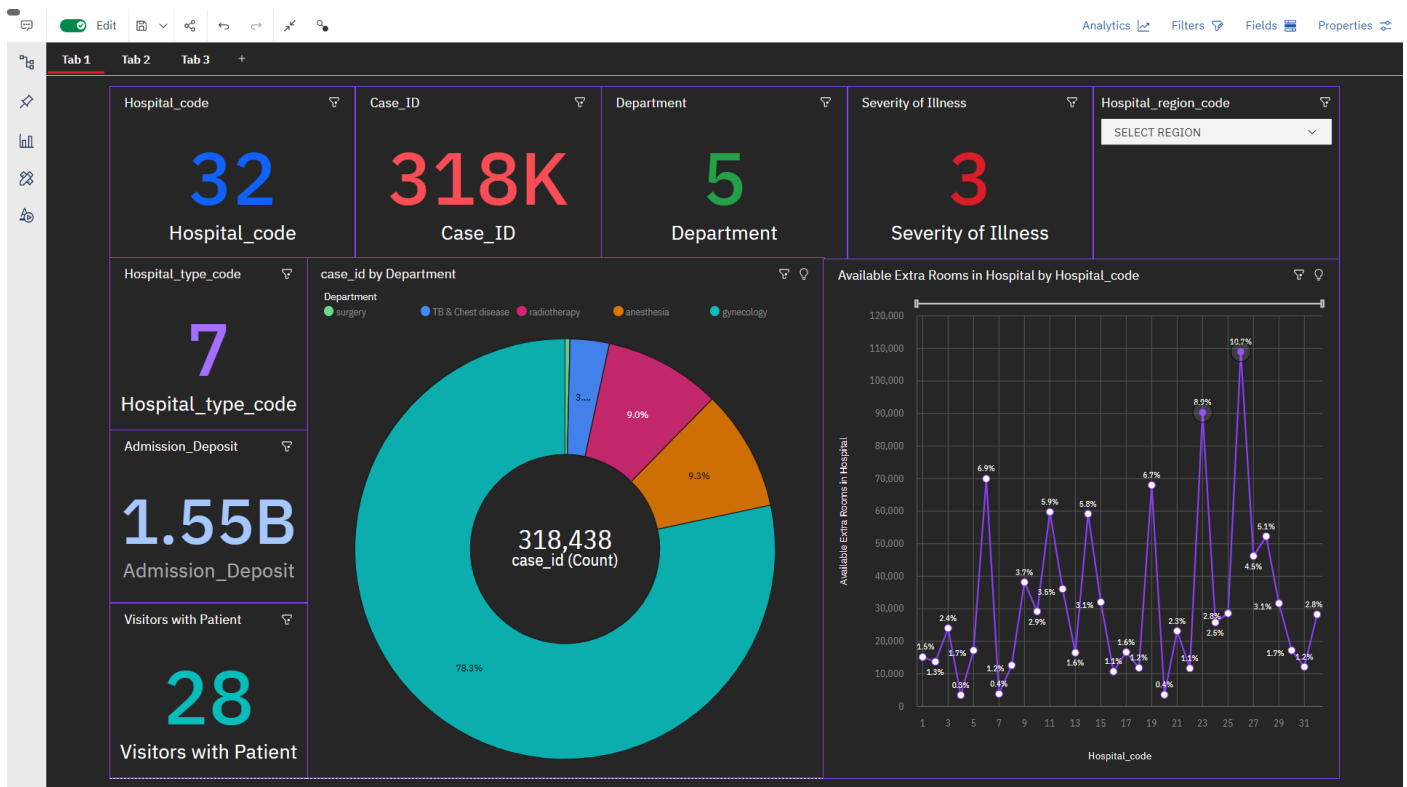| Team ID	PNT2022TMID54247
Project Name	ANALYTICS FOR HOSPITALS' HEALTHCARE DATA
Team Members	Jagadeesh R(TL), Karthik K(TM-1), Hariharan C(TM-2), Deepak Raj S(TM-3).

Analytics For Hospital's Healthcare Data:

TEAM ID: PNT2022TMID54247

DASHBOARD

This Dashboard will help's to predict the Length of Stay for each patient on case by case basis so that the Hospitals can use this information for optimal resource allocation and better functioning. The length of stay is divided into 11 different classes ranging from 0-10 days to more than 100 days. This dashboard shows the number of Hospital code, Case id, Department, Severity of illness, Hospital type code, and total number of admission deposit, and total number of visitors with patients. And the dashboard has filters for the severity of illness, ward type and hospital region code to view the periodical changes over a time period. The donut chart in the Dashboard will helps to know the number of case id in each department. It will also helps to find the total number of Case id count. And the majority of cases are in gynecology department. Least number of cases are in surgery department. But in gynecology department patient's severity of illness is moderate.

The line chart shows in the Dashboard will helps to find the total number of available extra rooms in the Hospital's by using the hospital code. And with this line chart we can able to understand that the value of available extra rooms in the hospital is unusually high when hospital code is 26. The percentage of available extra rooms in the hospital code HC – 26 is 10.4%. And in Hospital code – 4 there only o.4% extra rooms are available in the Hospital. By using this line chart present in the dashboard we can able to understand the meaning-full difference Between the Hospital code 1 to 32. And the hospital code – 23 holds the second position of Highest availability of extra rooms in the hospital. And the percentage of available extra room in the hospital code – 23 is 8.3%.
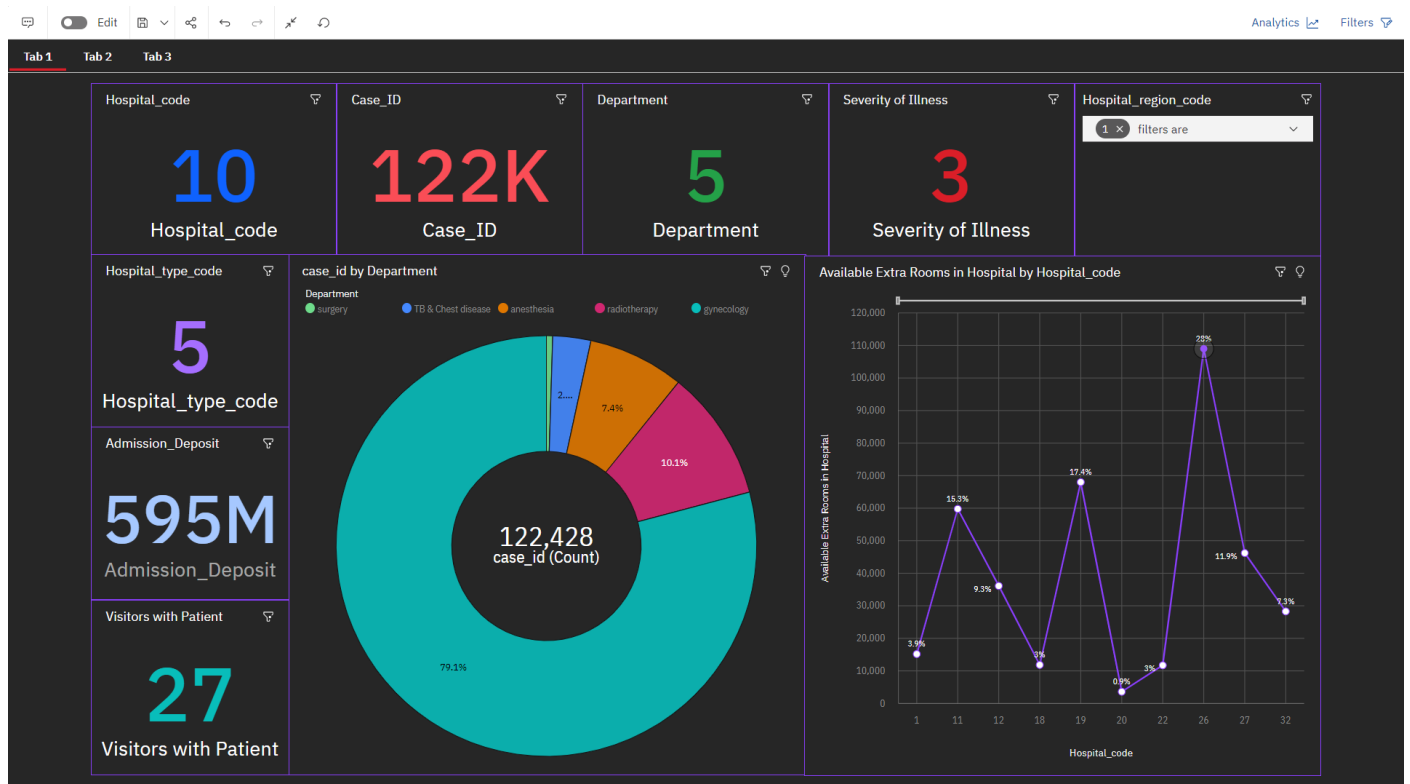
TEAM ID: PNT2022TMID54247

Dashboard link:
https://us3.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2Fsp_2_Exploration_dashboard&action=view&mode=dashboard&subView=model0000018462a2b91e_00000002
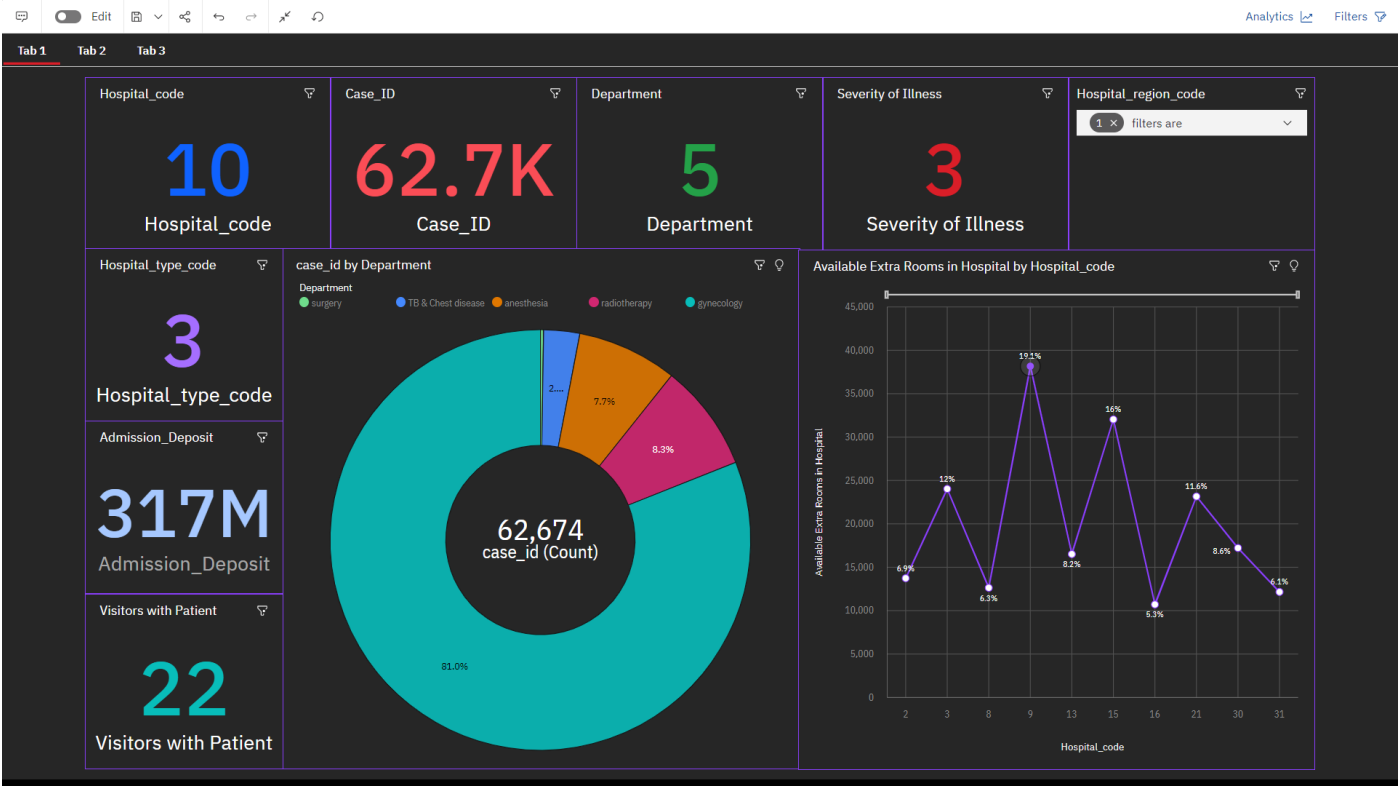
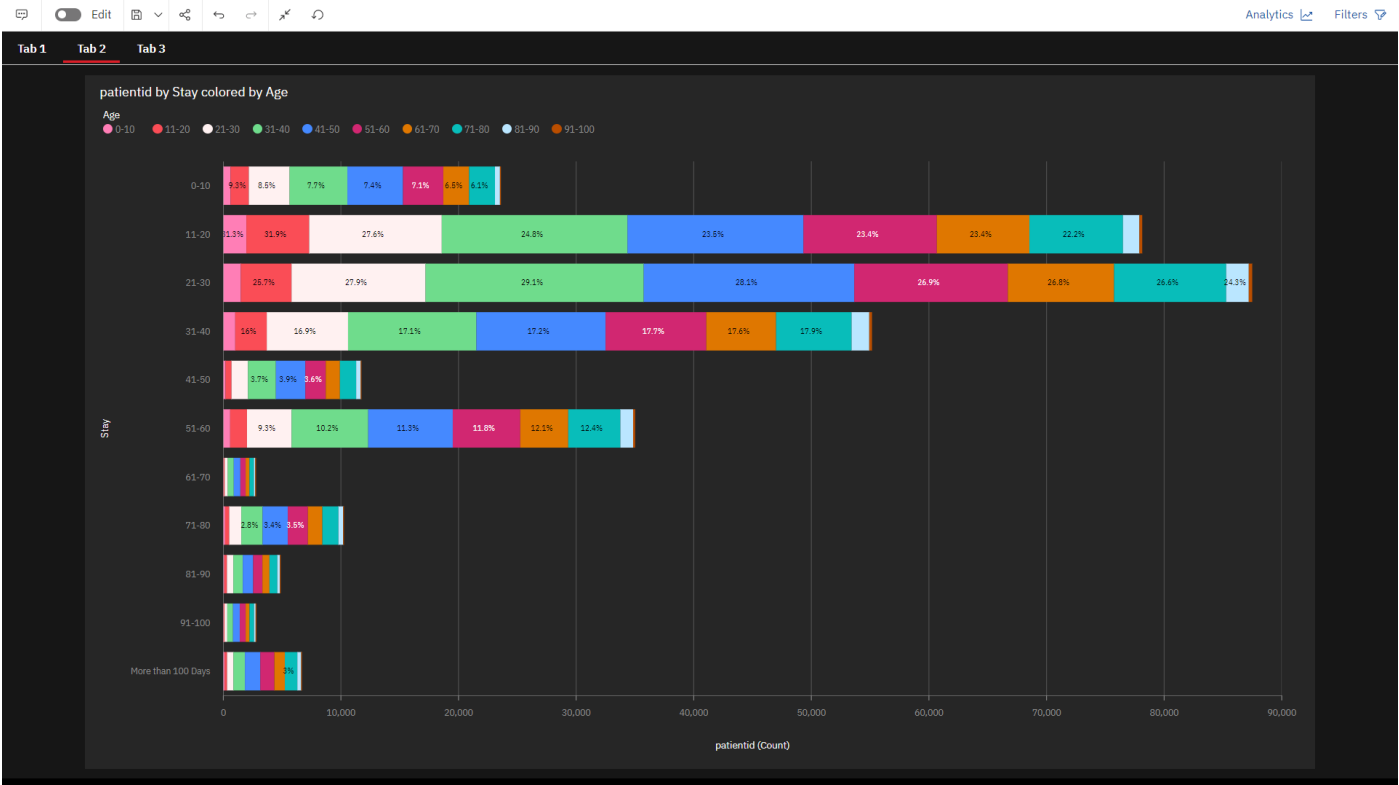## Filter by Hospital region code X
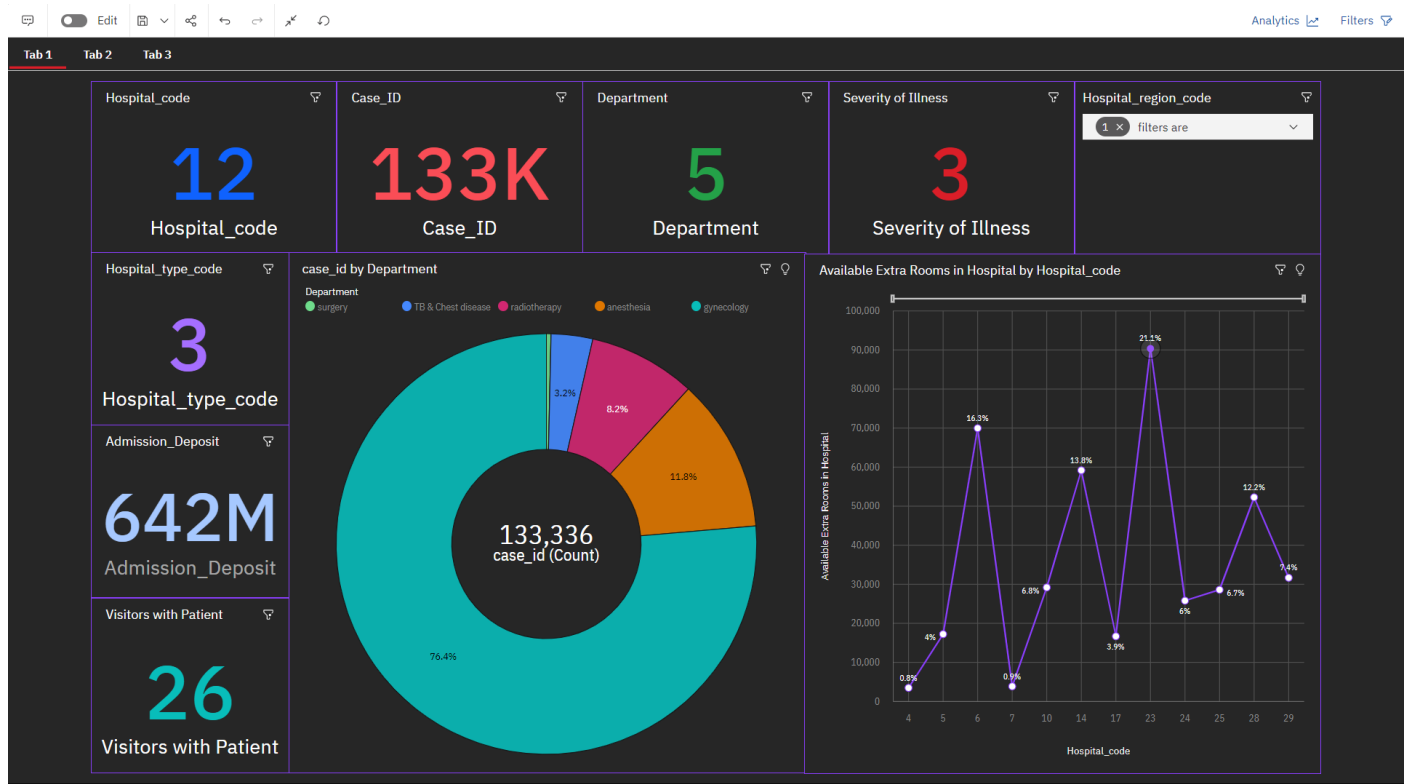
Filter by Hospital region code Y

Filter by Hospital region code Z

Dashboard for patient id by stay

The Most number of patients stay in the hospital bed for 21 to 30 days in that the majority of patients age is 31 to 40 and the total number of patients admitted in that age group is 18,550. and the least number of patients stays in the hospital bed for 91 to 100 days.
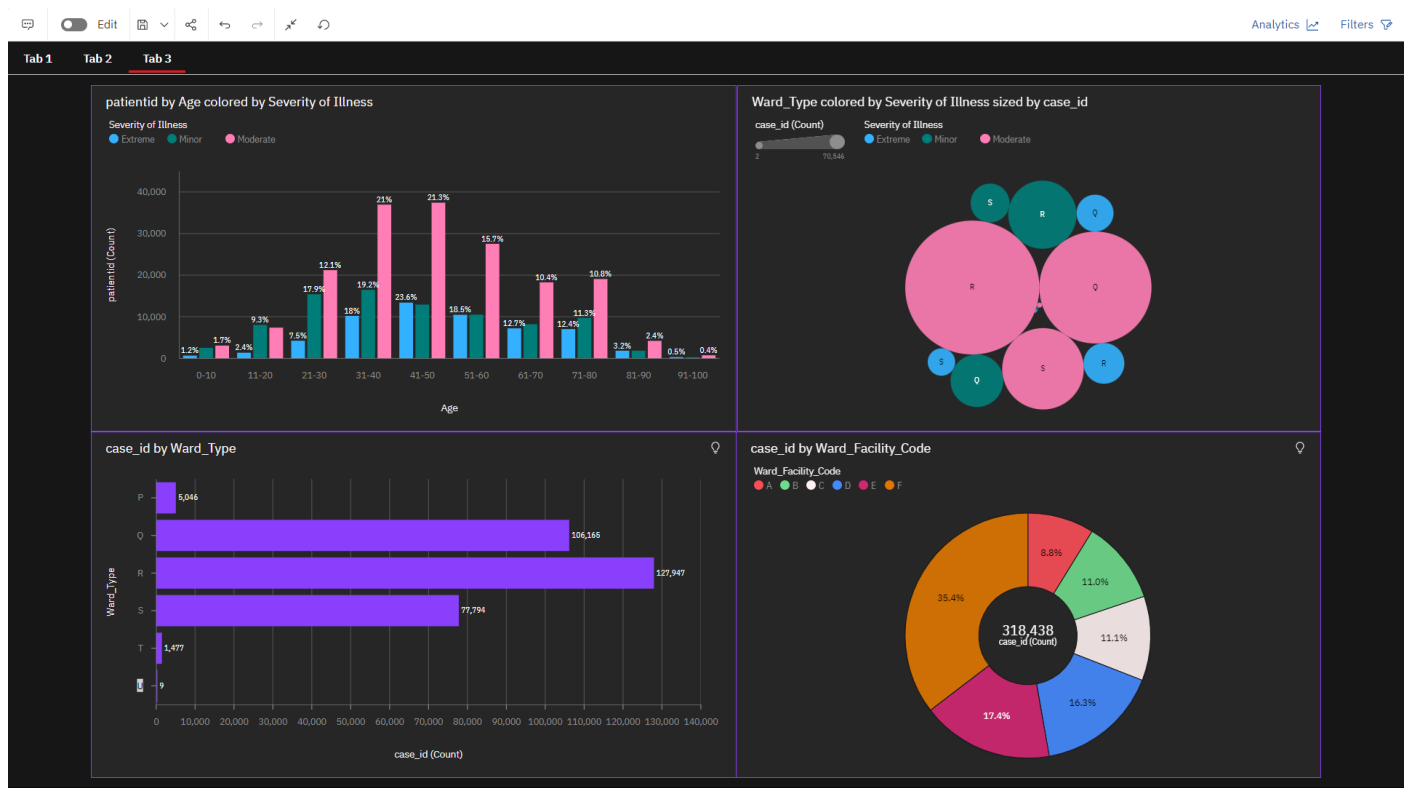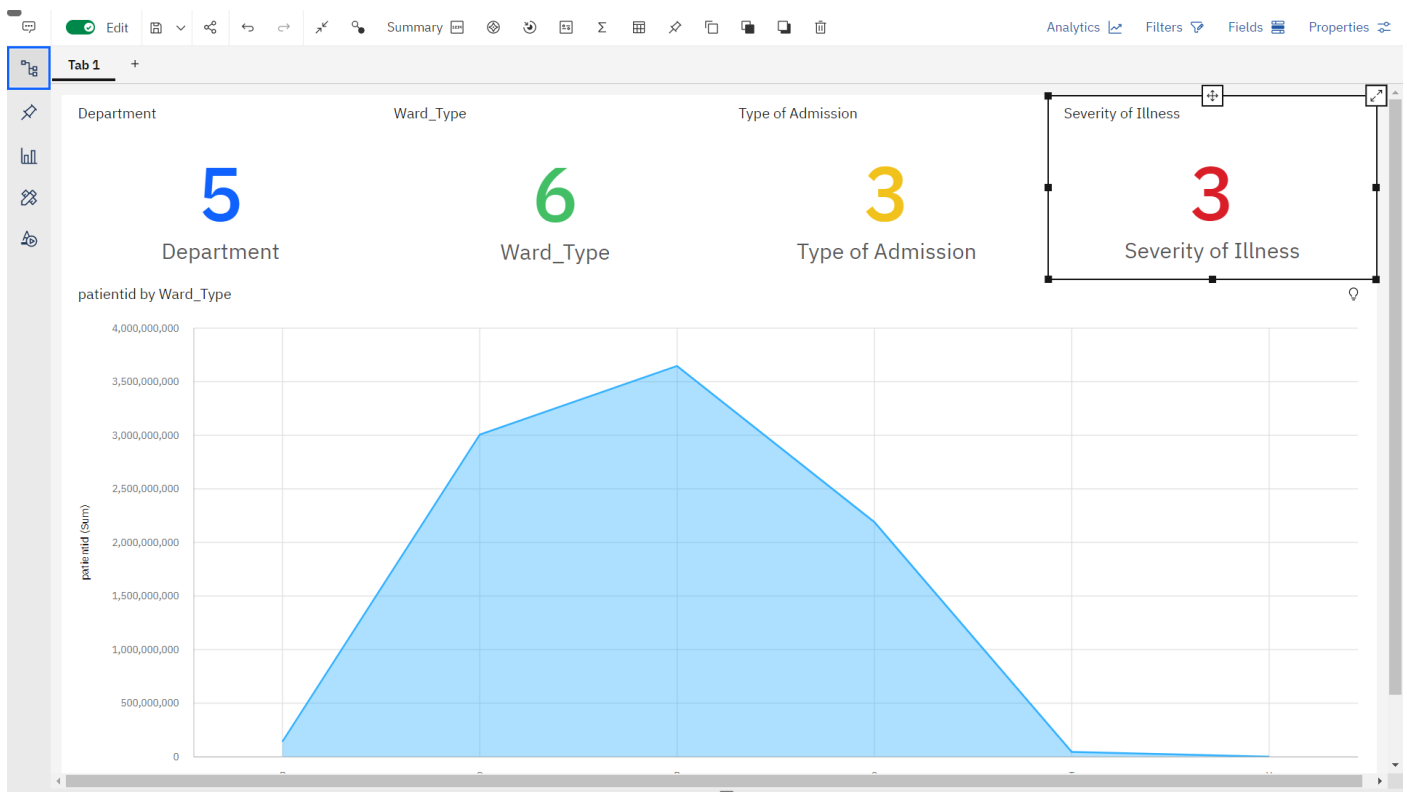
Dashboard link:

Dashboard

➢ showing the patient id age and severity of illness.
➢ ward type by severity of illness by case id.
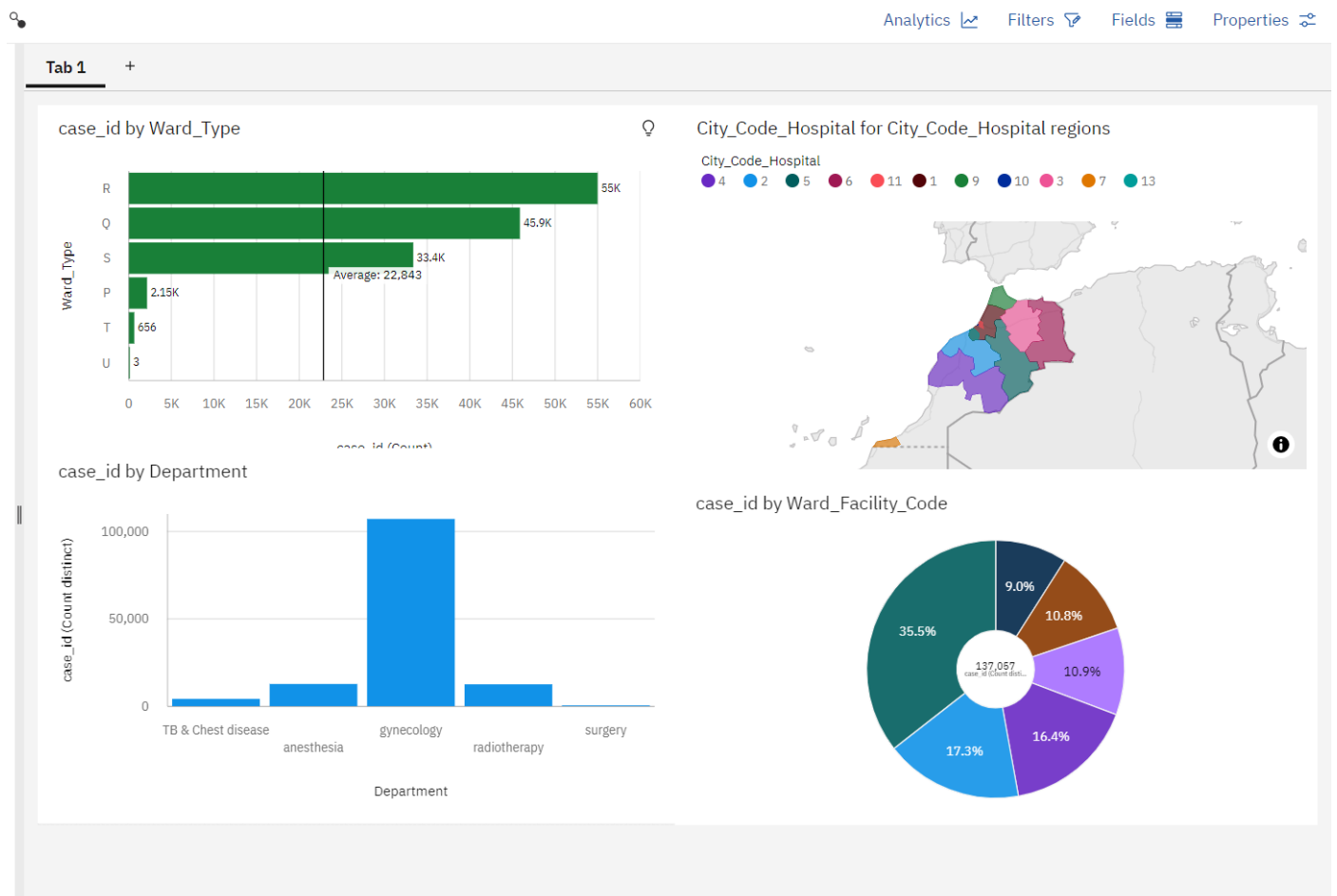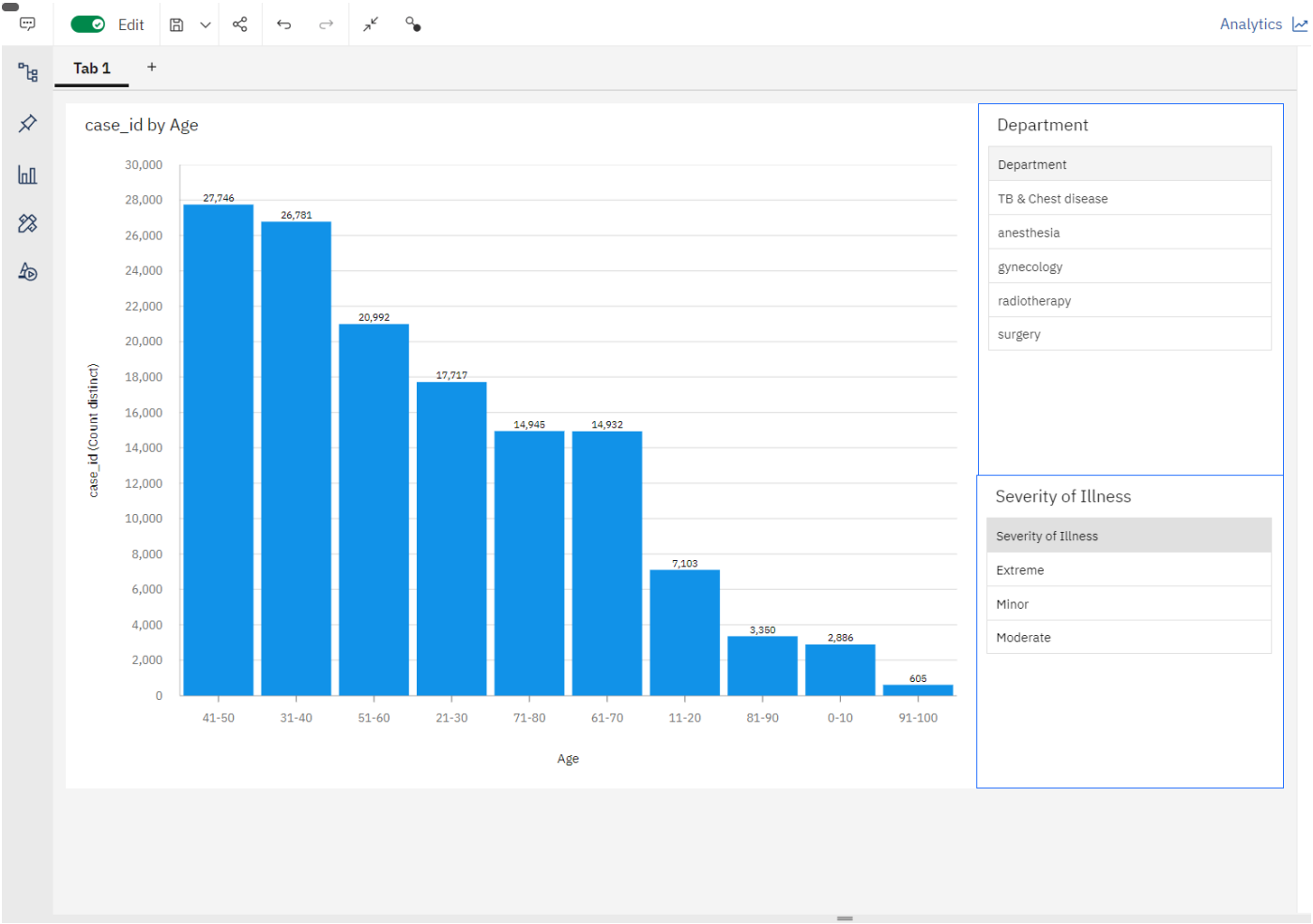➢ Case id by Ward type
➢ Case id by Ward Facility code

Number Of Patients By Ward Types

Dashboard To Show Number Of Patients
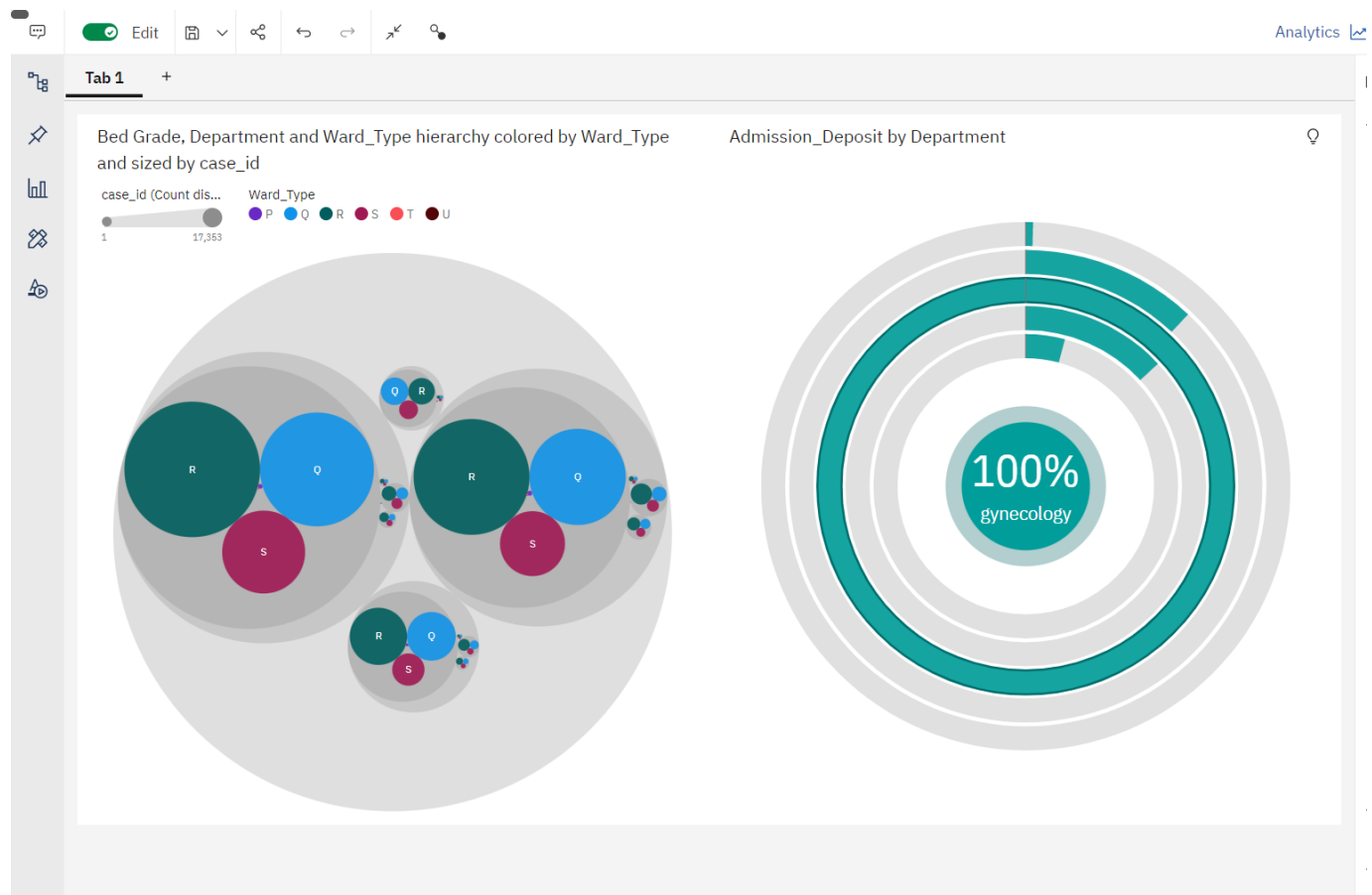
Age Wise Patients With Department And Severity Filters

Dashboard With Hierarchy Bubble And Radial Visuals

➢ Hierarchy Bubble to show case Bed Grade with Number of Cases by Department and Ward-wise.

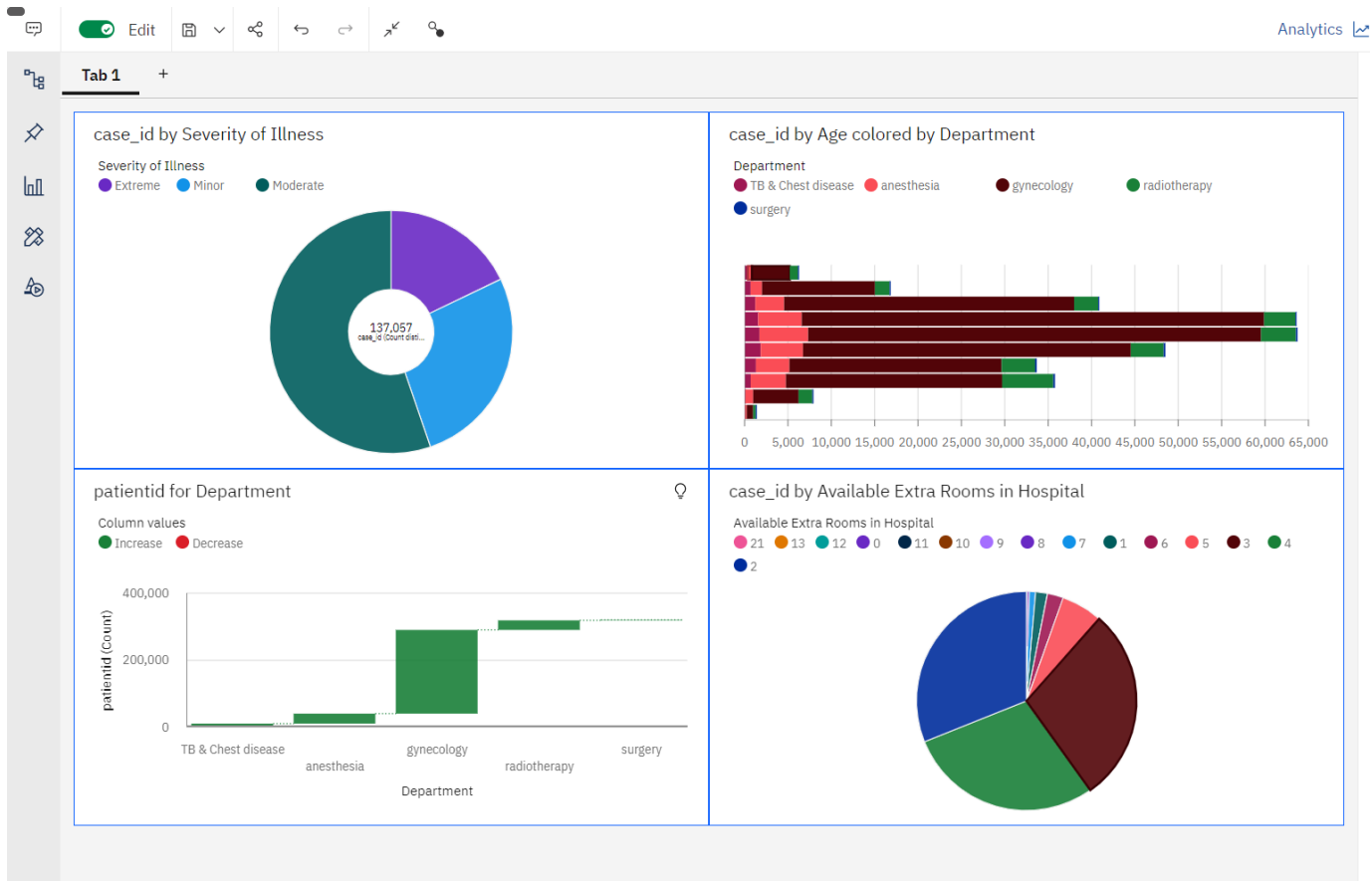➢ Radial chart to show case Department wise Admission Deposit Amount

Dashboard Showing Pie, Stacked Bar, Waterfall And Pie Charts

➢ a Pie-Chart showing Severity of illness by number of cases.

➢ a Stacked Bar Chart to visualize Department-wise, Age-wise number of cases.

➢ a Waterfall chart visualizing the Department wise number of Patients.

➢ a Pie-Chart showing the Availability of Extra rooms with Analytics.

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