

SPRINT-3

Date	10 TH November 2022
Team ID	PNT2022TMID07721
Project Name	Analytics for Hospital's Health-Care Data

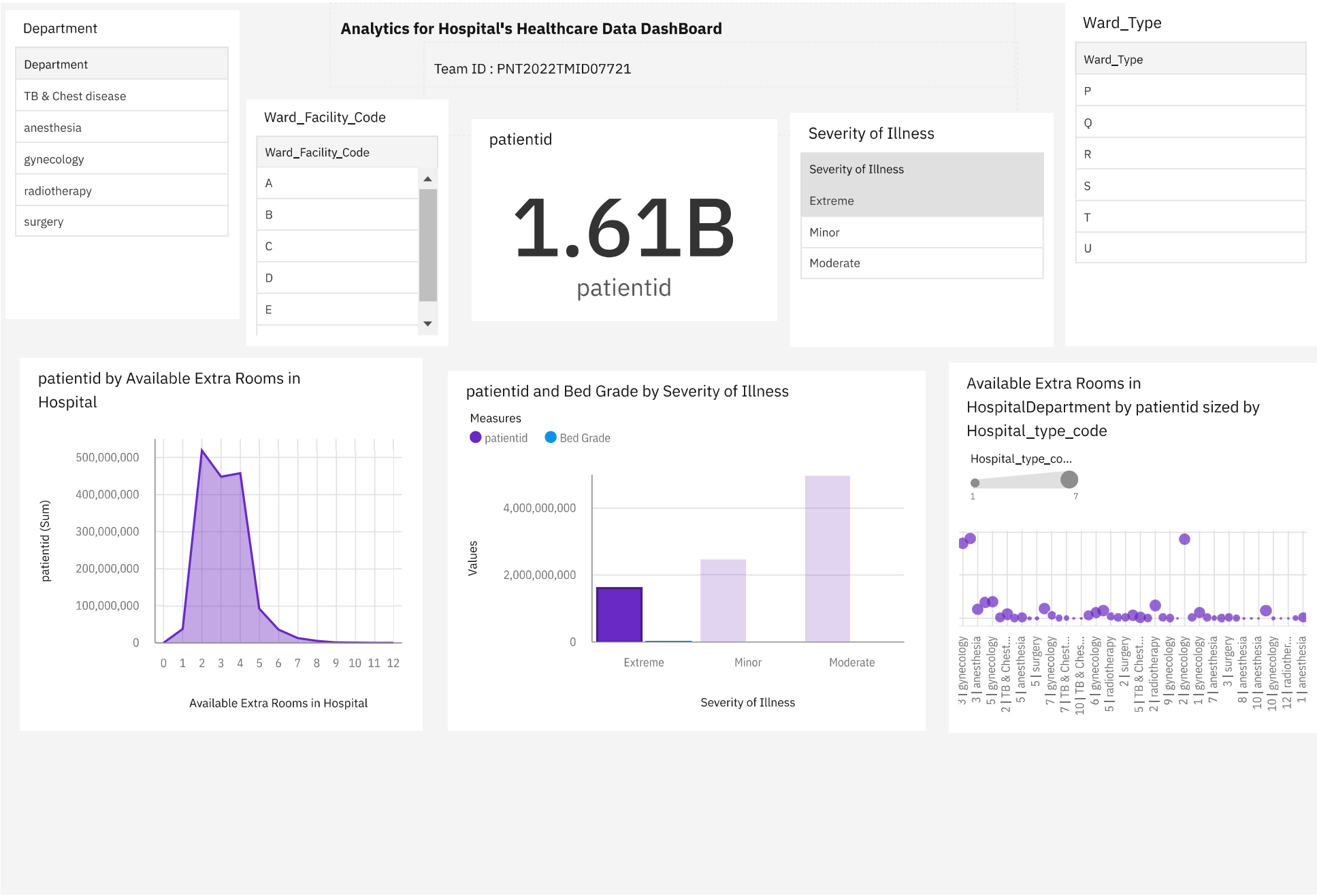
Creating a standard dashboard for Data Analytics using IBM Cognos

- After data exploration we need to create a dashboard which will be an interactive dashboard consists of different visualizations
- Some of the visualizations are stacked columns , radial , summary tabs , line graph , bar graphs , heatmaps.
- From the dashboard IBM Cognos can give an insight report and predict a particular value which is needed for the whole project.
- Interactive Dashboard changes the values according to the user need when he/she moves the mouse pointer towards any data at any timeline which makes the user more comfortable and understand the sprint flow of data analytics project in hospital's health care data.
- Severity of the patients, patients' types with patient ids can categorize the patients into several user cases which is required for predictive analysis to predict the link of stay.

IBM Cognos Dashboard Link:

https://us3.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FSprint%2B3%2BDashboard&action=view&mode=dashboard&subView=model0000018471f6fe8e_00000002

Tab 1



patientid by Available Extra Rooms in Hospital

Available Extra Rooms in Hospital	patientid (Sum)
0	0
1	~50,000,000
2	~500,000,000
3	~450,000,000
4	~450,000,000
5	~100,000,000
6	~50,000,000
7	~20,000,000
8	~10,000,000
9	~5,000,000
10	~2,000,000
11	~1,000,000
12	~500,000

patientid and Bed Grade by Severity of Illness

Measures
● patientid ● Bed Grade

Severity of Illness	patientid	Bed Grade
Extreme	~1,500,000,000	~100,000,000
Minor	~2,500,000,000	~200,000,000
Moderate	~4,500,000,000	~500,000,000

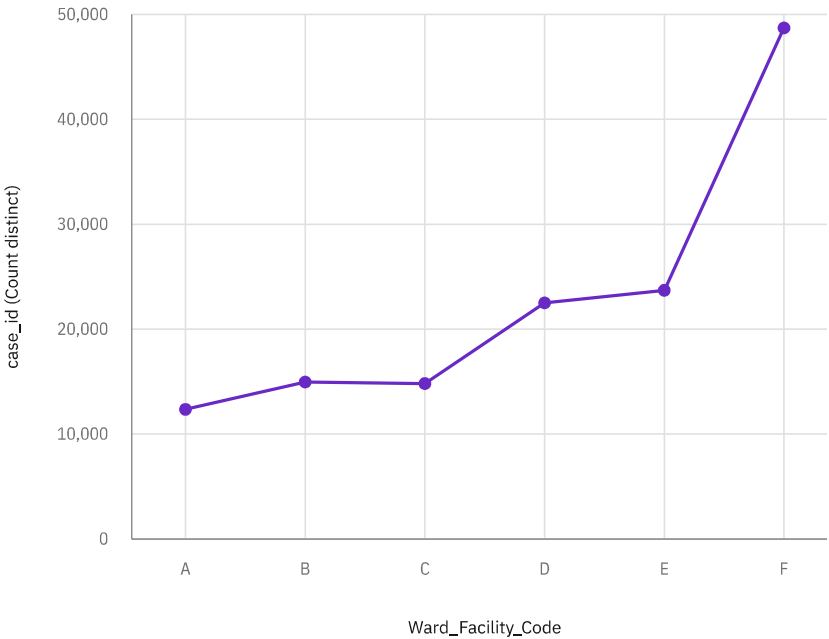
Available Extra Rooms in HospitalDepartment by patientid sized by Hospital_type_code

Hospital_type_co...
1 7

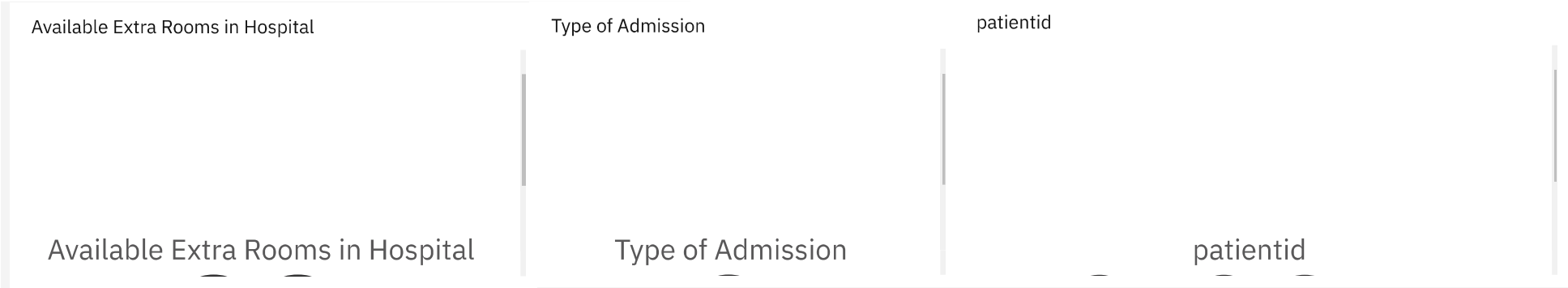
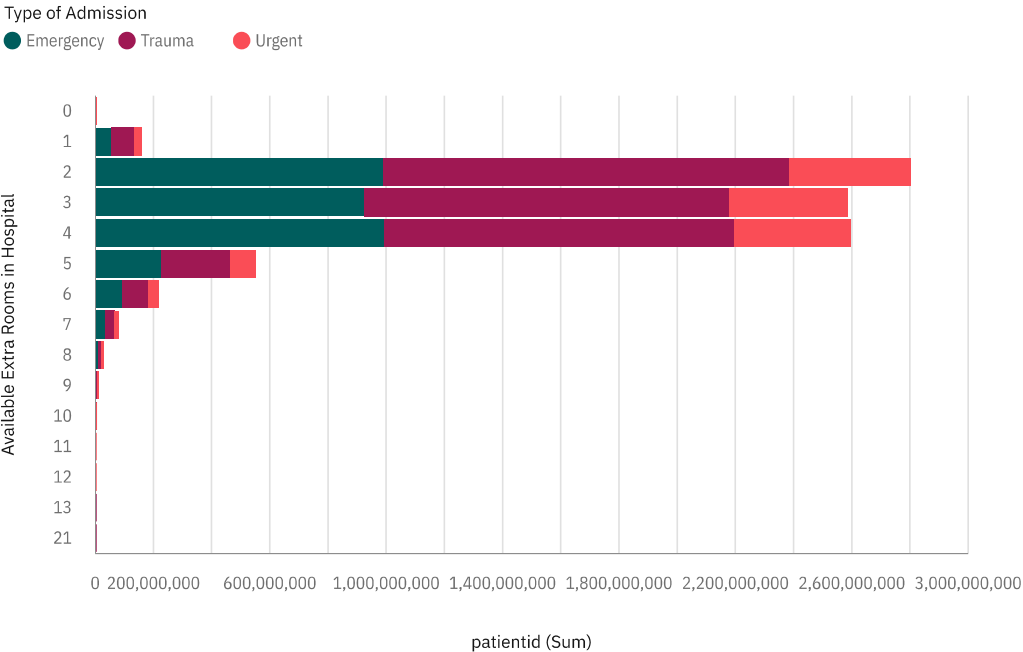
HospitalDepartment	patientid	Hospital_type_code
3 gynecology	~1,500,000,000	~1
3 anesthesia	~1,500,000,000	~1
5 gynecology	~1,000,000,000	~1
2 TB & Chest...	~1,000,000,000	~1
5 anesthesia	~1,000,000,000	~1
5 surgery	~1,000,000,000	~1
7 gynecology	~1,000,000,000	~1
7 TB & Chest...	~1,000,000,000	~1
10 TB & Ches...	~1,000,000,000	~1
6 gynecology	~1,000,000,000	~1
5 radiotherapy	~1,000,000,000	~1
2 surgery	~1,000,000,000	~1
5 TB & Chest...	~1,000,000,000	~1
2 radiotherapy	~1,000,000,000	~1
9 gynecology	~1,000,000,000	~1
2 gynecology	~1,000,000,000	~1
1 gynecology	~1,000,000,000	~1
7 anesthesia	~1,000,000,000	~1
3 surgery	~1,000,000,000	~1
8 anesthesia	~1,000,000,000	~1
10 anesthesia	~1,000,000,000	~1
10 gynecology	~1,000,000,000	~1
12 radiother...	~1,000,000,000	~1
1 anesthesia	~1,000,000,000	~1

Tab 2

case_id by Ward_Facility_Code

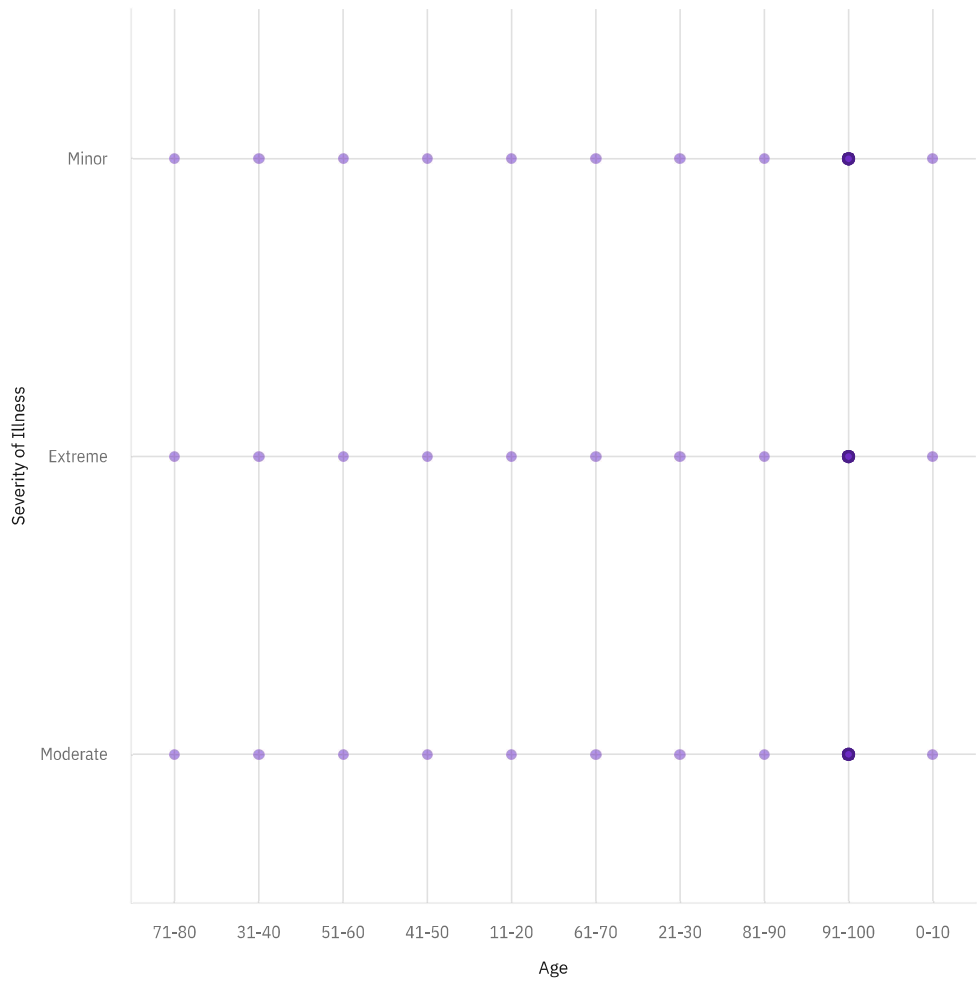


patientid by Available Extra Rooms in Hospital colored by Type of Admission

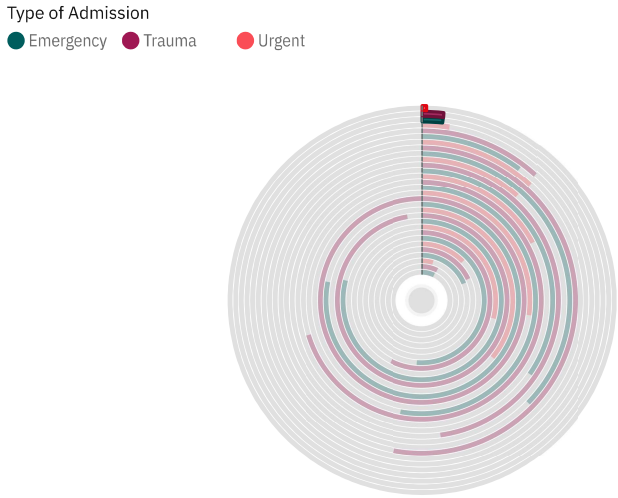


Tab 3

Age by Severity of Illness with points for Type of Admission



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

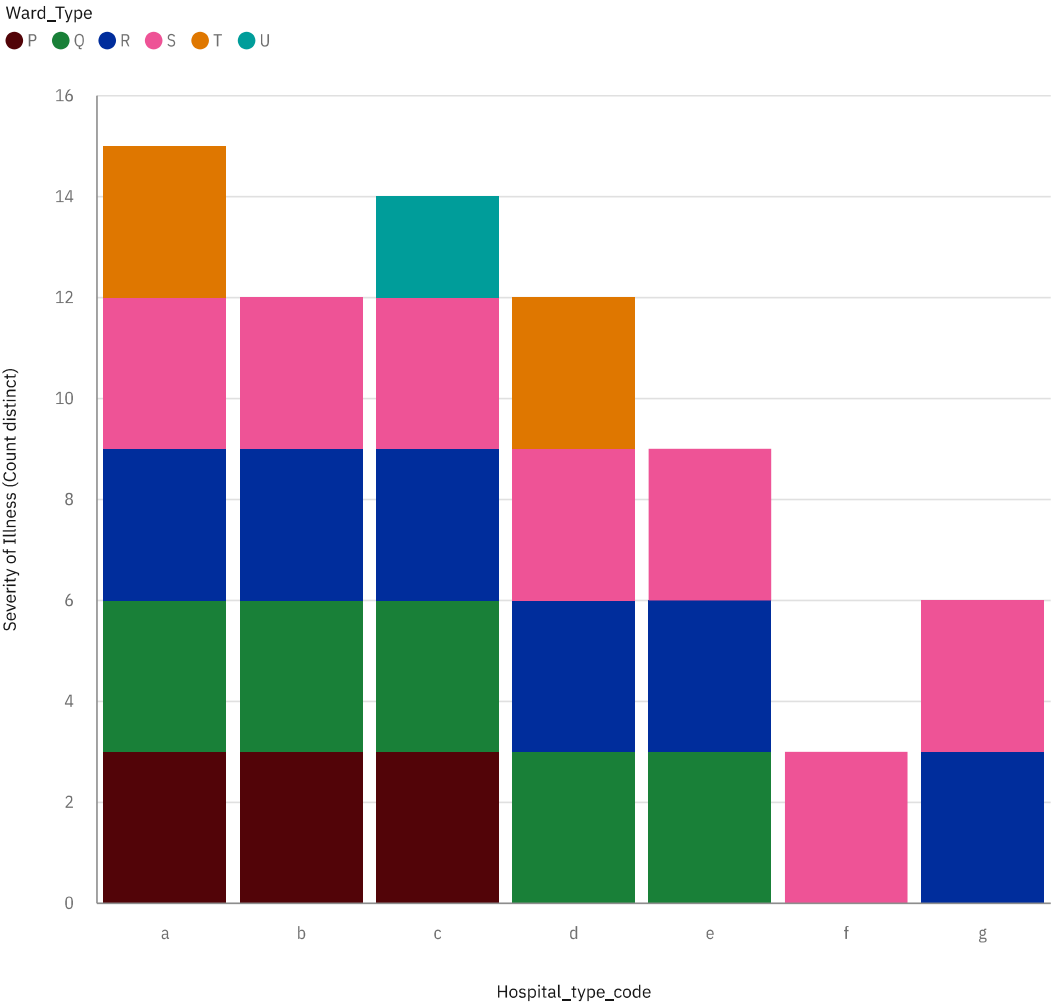


Bed Grade

Bed Grade

Tab 4

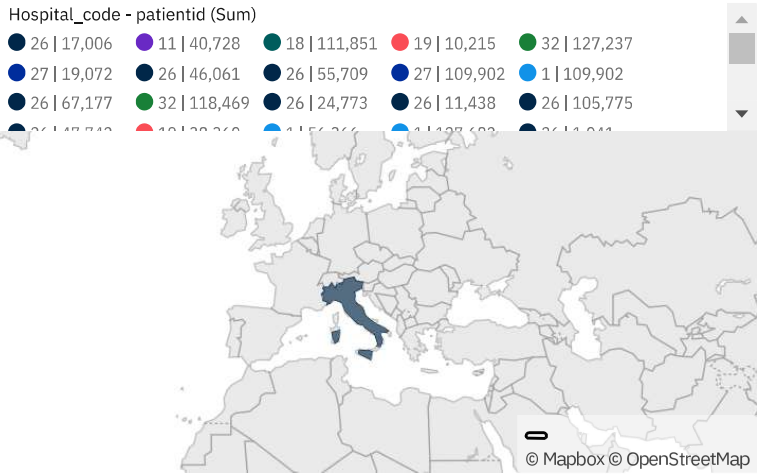
Severity of Illness by Hospital_type_code colored by Ward_Type



Department

Department
TB & Chest disease
anesthesia
gynecology
radiotherapy
surgery

Hospital_code and patientid for Hospital_region_code regions



Tab 5

patientid by Hospital_region_code colored by Ward_Type

Ward_Type
● P ● Q ● R ● S ● T ● U



Hospital_region_code regions



Ward_Type

Ward_Type

P

Q

R

S

T

patientid

Hospital_region_code

Bed Grade

141M

5.91K