

# PROJECT DEVELOPMENT PHASE DELIVERY OF SPRINT-4

Date	15 Nov 2022
Team ID	PNT2022TMID39745
Project Name	Analytics for hospitals' health-care data

## PROJECT DEVELOPMENT PHASE:

### **SPRINT-1**

- ✓ Data collection
- ✓ Data preparation

### **SPRINT-2**

- ✓ Data exploration

### **SPRINT-3**

- ✓ Dashboard creation

### **SPRINT-4**

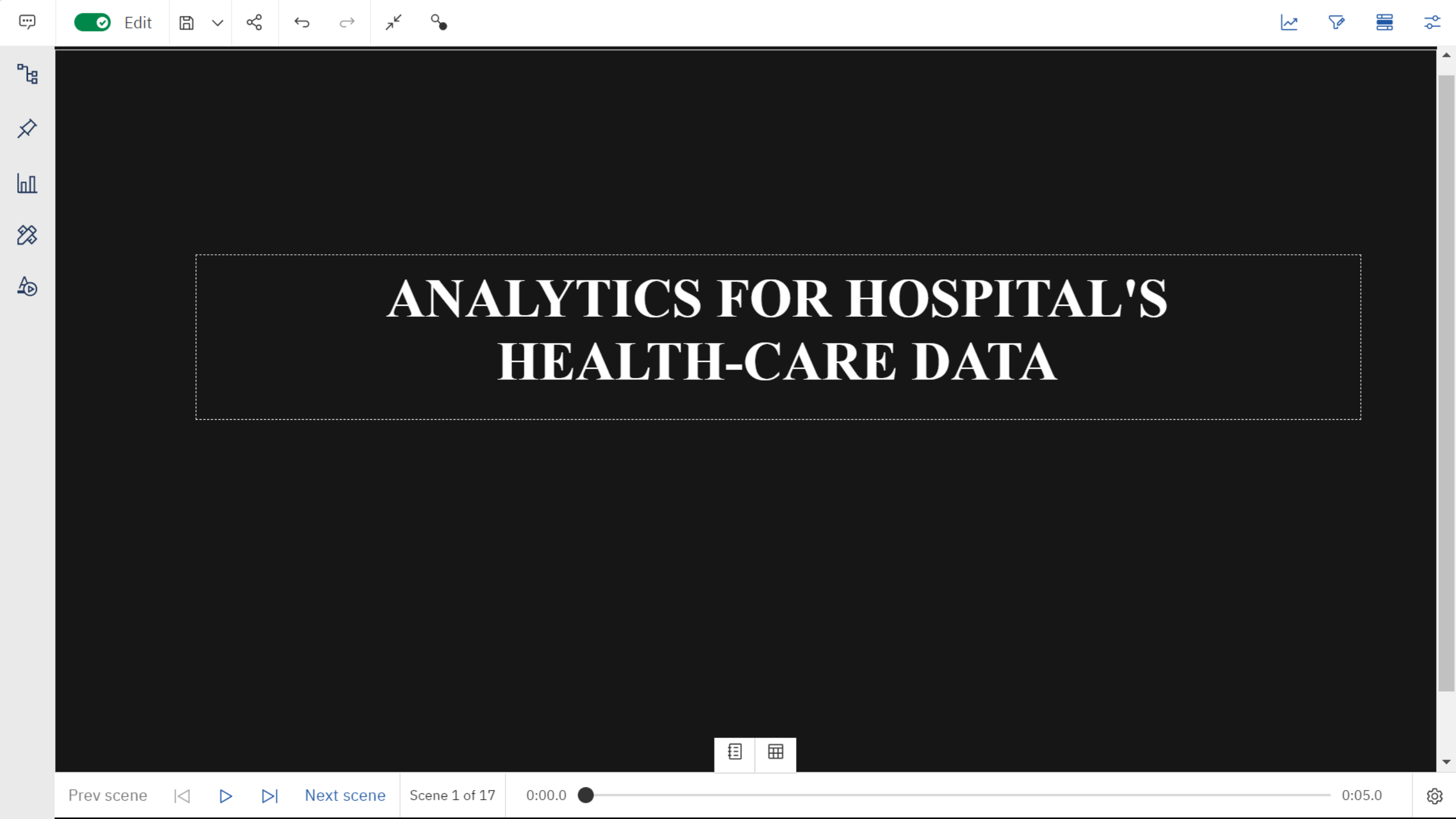
- ✓ Report creation
- ✓ Story creation

**TEAM ID :PNT2022TMID39745**

**TEAM MEMBERS:**

- ☐ HEMALAKSHMI\*
- ☐ PONMATHI
- ☐ SOBITHA
- ☐ YUVASHRI

# STORY CREATION



# ANALYTICS FOR HOSPITAL'S HEALTH-CARE DATA

Prev scene



Next scene

Scene 1 of 17

0:00.0



0:05.0



what do they say and do pain and gain?

what do they see? environment friends what the market offers?

How to respect for the patient's values, preferences and expressed needs?

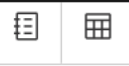
what really counts major preoccupations and Aspirations?

How to find out what patients want?

should understand where your patients are coming from?



# OVERVIEW





Department

5

Department

patientid

9.03B

patientid

Available Extra Rooms in Hospital

438K

Available Extra Rooms in Hospital

Bed Grade

361K

Bed Grade



Visitors with Patient

450K

Visitors with Patient

Admission\_Deposit

667M

Admission\_Deposit

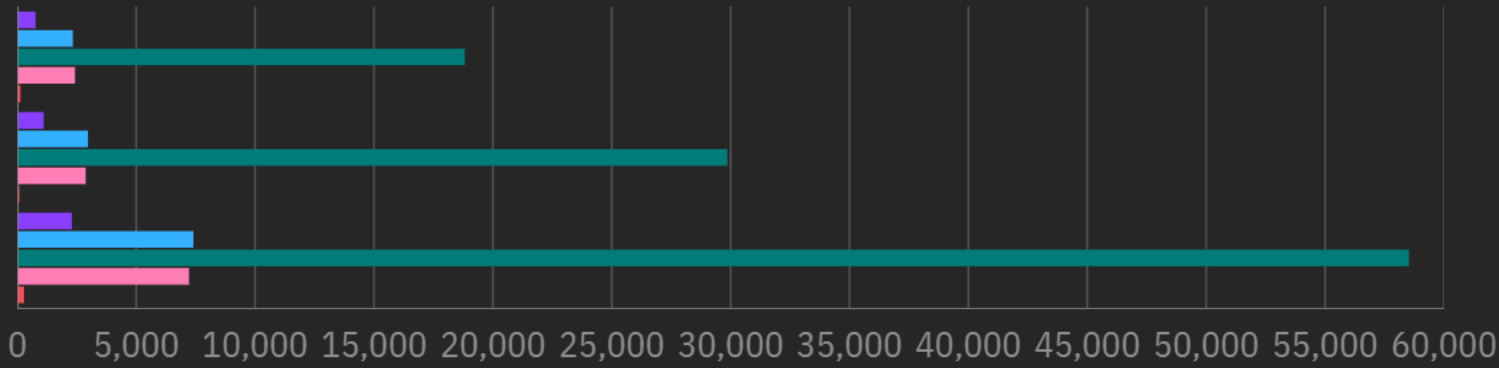
Department by Severity of Illness colored by Department

Department

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

Severity of Illness

Extreme  
Minor  
Moderate



Department (Count)



Prev scene



Next scene

Scene 5 of 17

0:00.0



0:05.0







# DEPARTMENT ANALYSIS

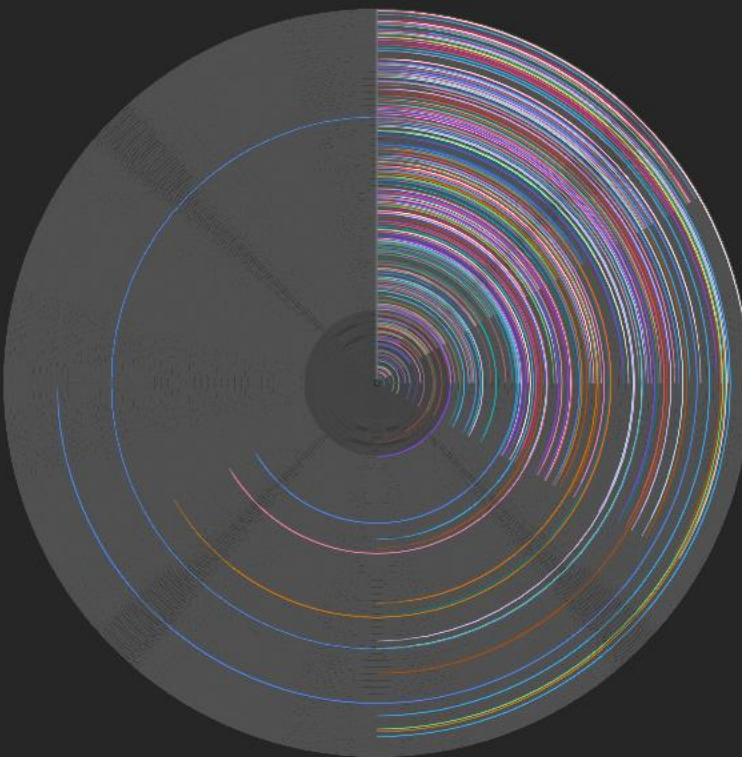


Bed Grade by Hospital\_code colored by patientid and Visitors with Patient



patientid (Sum) - Visitors with Patient (Sum)

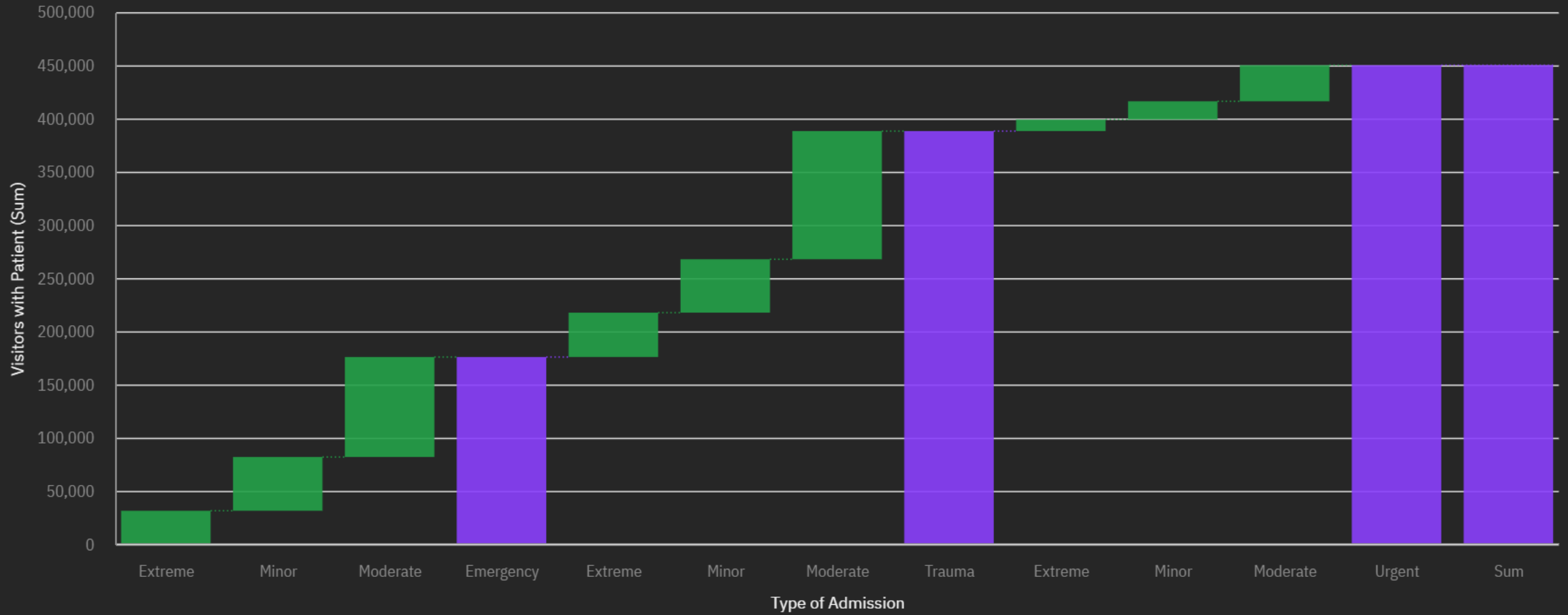
8   4	8   8	46   2	106   3	106   4	132   3	169   2	188   2	214   4	217   2	277   4	287   4	294   2	361   4	432   2	468   3	469   6
477   4	491   2	521   4	563   2	571   4	598   2	635   3	641   2	716   4	804   2	901   2	944   2	1,005   2	1,006   2	1,030   1	1,041   4	1,047   4
1,088   4	1,090   3	1,098   2	1,104   4	1,146   2	1,160   2	1,198   3	1,226   2	1,259   6	1,271   2	1,276   4	1,394   2	1,442   2	1,566   2	1,696   2	1,727   4	1,784   4
1,800   4	1,828   2	1,831   4	1,845   4	1,866   4	1,892   2	1,894   4	1,995   2	2,041   3	2,053   2	2,053   4	2,053   6	2,081   2	2,171   2	2,173   4	2,174   4	2,184   2
2,198   2	2,278   2	2,296   6	2,336   2	2,336   3	2,339   3	2,364   3	2,377   6	2,394   2	2,418   3	2,503   2	2,587   4	2,731   4	2,755   4	2,755   6	2,755   8	2,786   2
2,824   2	2,889   3	2,903   3	2,920   3	2,949   4	2,956   3	2,956   6	2,959   2	2,991   6	3,012   8	3,044   3	3,069   4	3,070   2	3,085   5		...	



### Visitors with Patient for Type of Admission

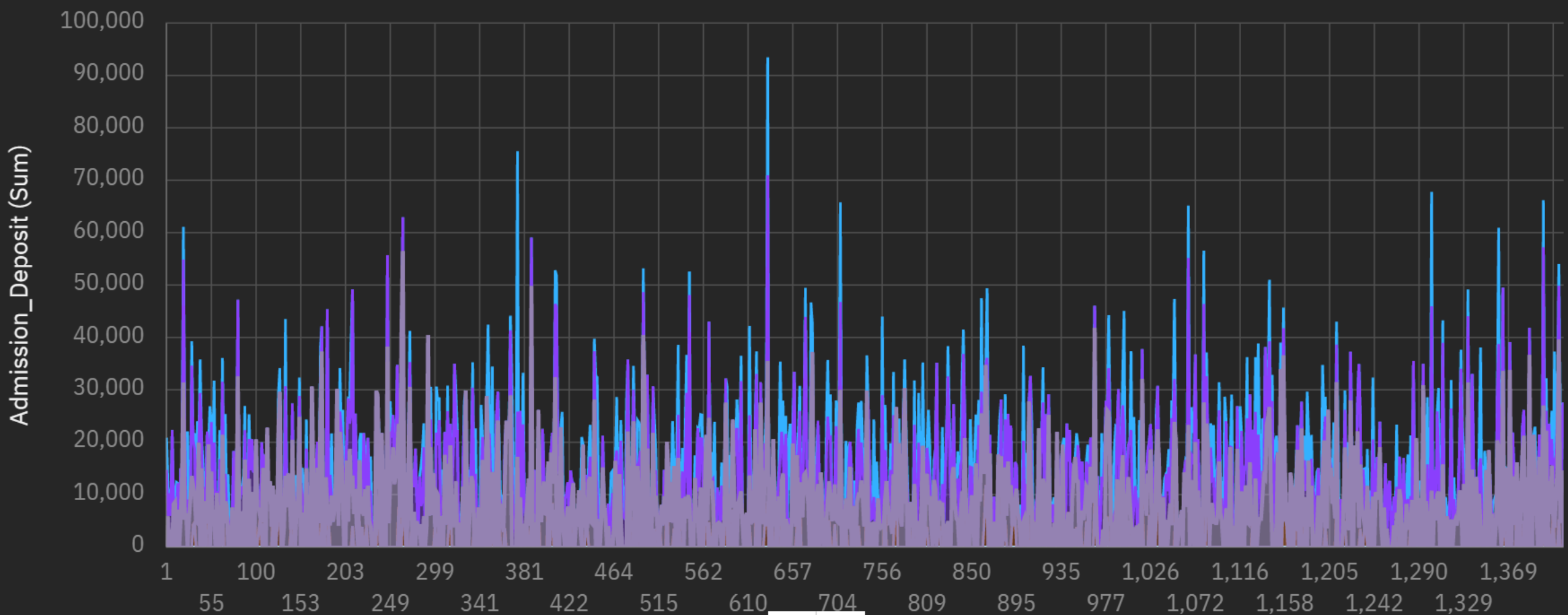
Column values

● Increase ● Decrease ● Sum



Admission\_Deposit by patientid colored by Bed Grade

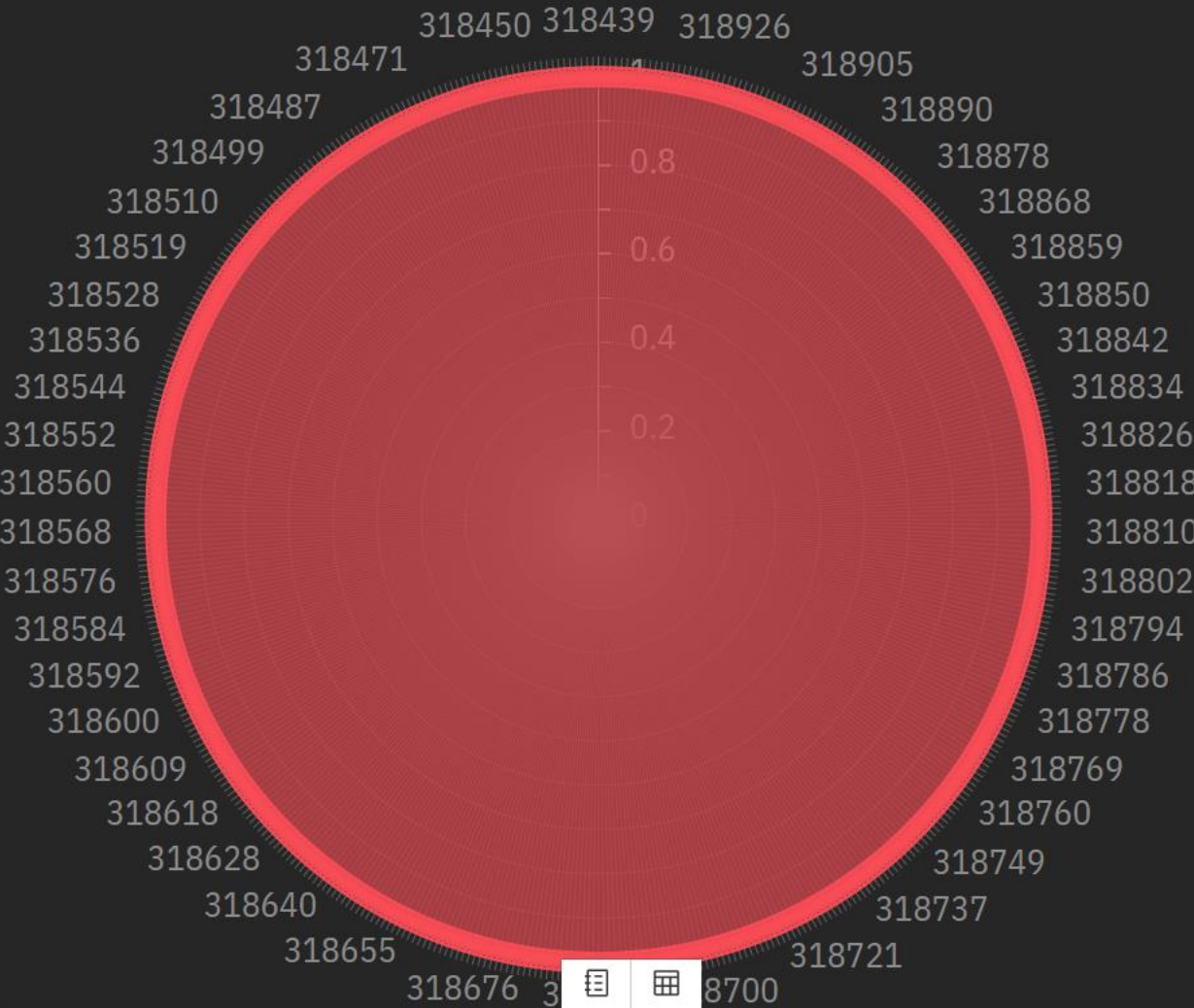
Bed Grade  
● (no value) ● 1 ● 2 ● 3 ● 4



[List View Icon] [Grid View Icon]

Hospital\_code by case\_id colored by Stay

Stay  
● 0-10





 Edit



# LOCATION-WISE ANALYSIS



Prev scene



Next scene

Scene 11 of 17

0:00.0



0:05.0

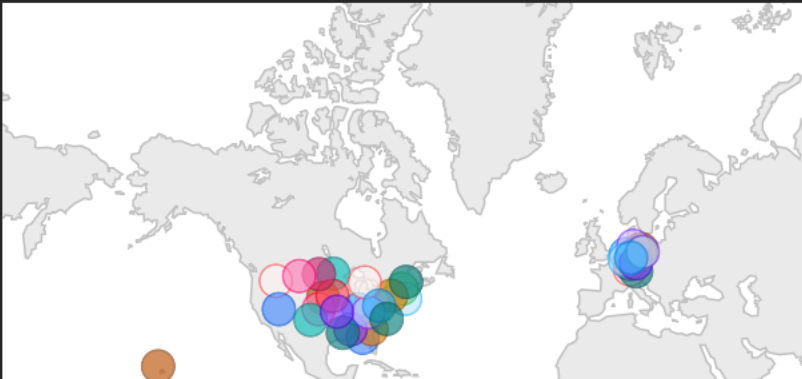


City\_Code\_Patient for City\_Code\_Patient regions



City\_Code\_Patient

- 7 14 12 6 13 27 25 31 10 28 18 1 4 22
- 3 20 19 16 33 32 38 36 35 2 8 5 15 21
- 9 34 23 30 11 26 29 24 37



Hospital\_region\_code for Hospital\_region\_code regions

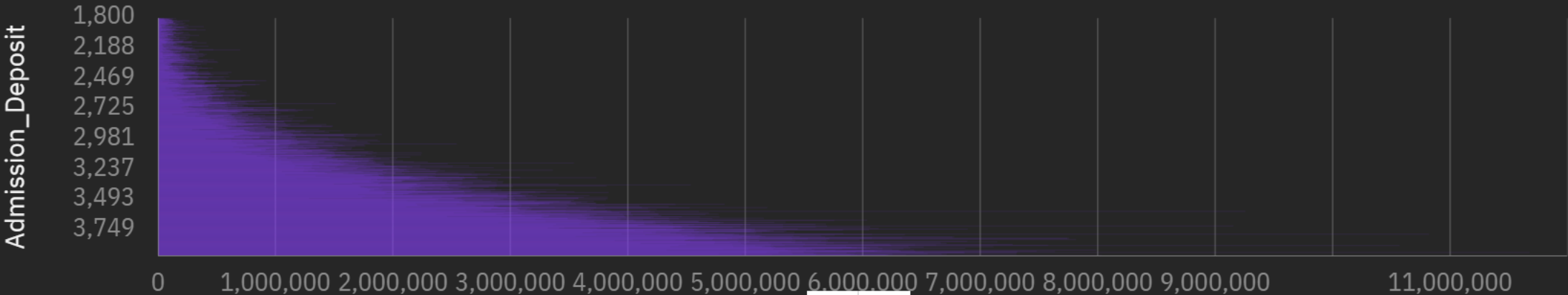


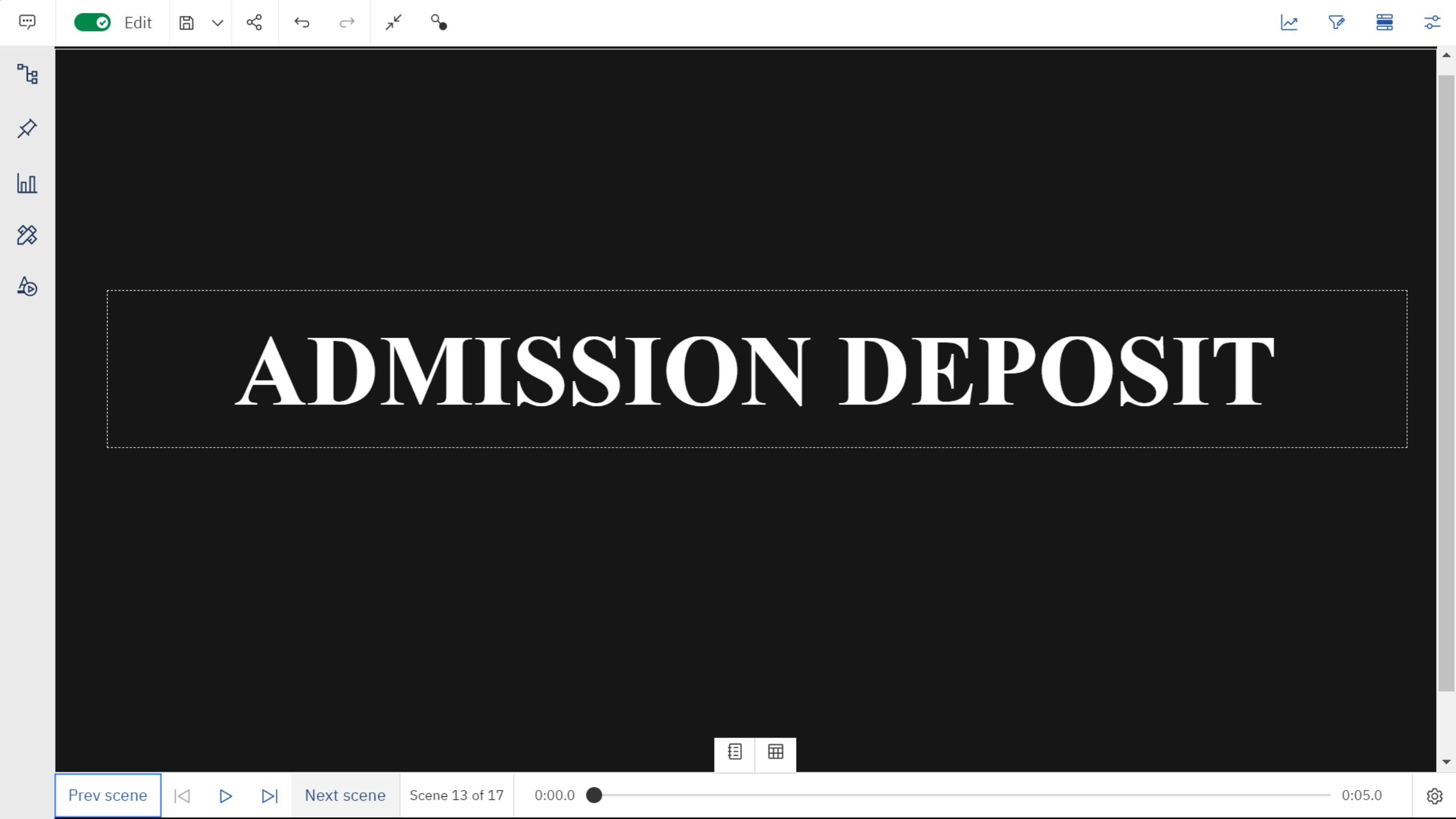
Hospital\_region\_code

- Y



patientid by Admission\_Deposit





# ADMISSION DEPOSIT

Prev scene



Next scene

Scene 13 of 17

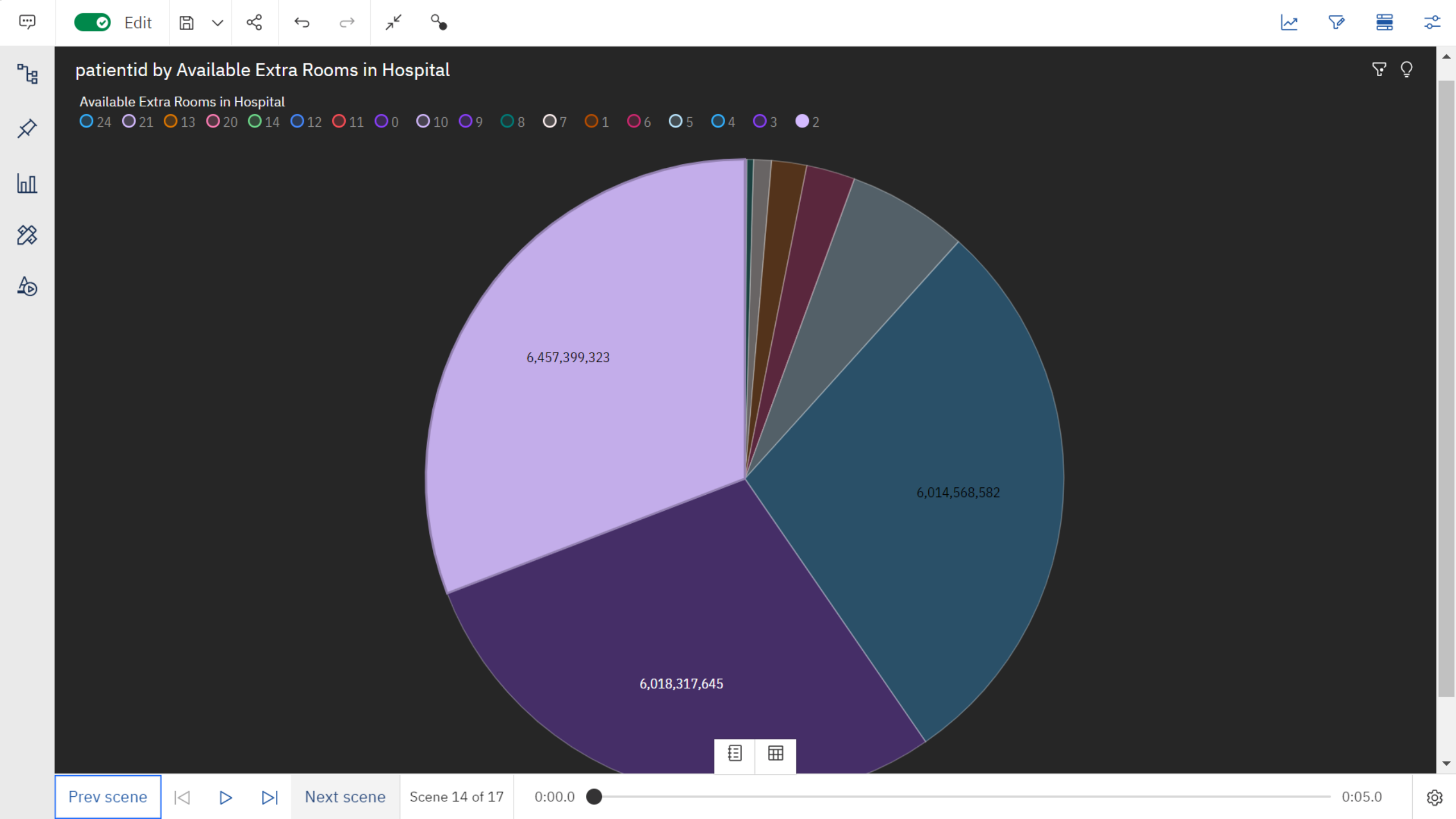
0:00.0



0:05.0







Admission\_Deposit



1.555B

Admission\_Deposit



Ward\_Facility\_Code and Ward\_Type by Type of Admission colored by Type of Admission

Measures - Type of Admission

Ward\_Facility\_Code | Emergency

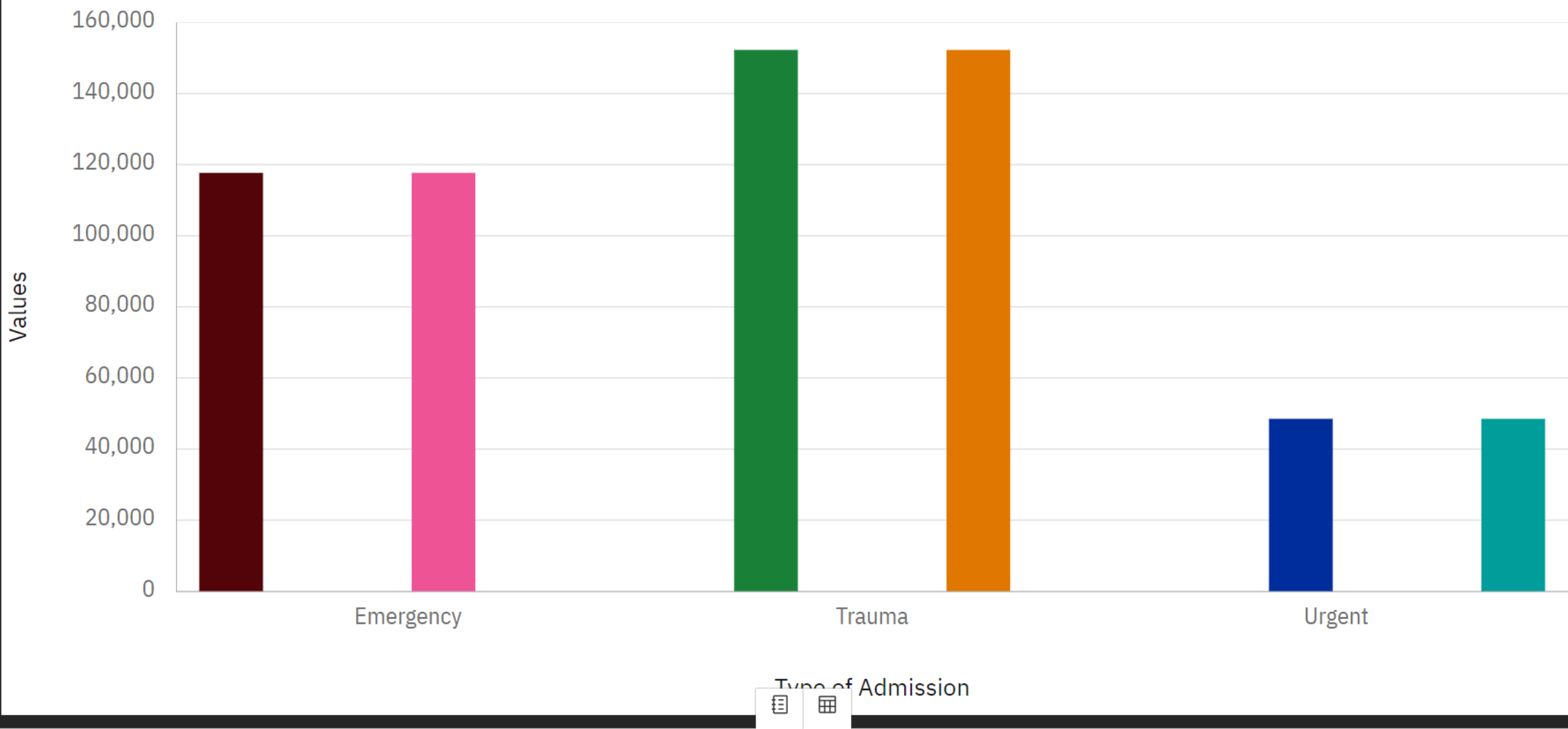
Ward\_Facility\_Code | Trauma

Ward\_Facility\_Code | Urgent

Ward\_Type | Emergency

Ward\_Type | Trauma

Ward\_Type | Urgent





THANK YOU



## PREPARED DATA LINK:

[https://us3.ca.analytics.ibm.com/bi/?perspective=story&pathRef=.my\\_folders%2Fstory%2Fsprint%2B4%2Bstory&action=view&sceneId=model0000018489ba28eb\\_00000000&sceneTime=52950](https://us3.ca.analytics.ibm.com/bi/?perspective=story&pathRef=.my_folders%2Fstory%2Fsprint%2B4%2Bstory&action=view&sceneId=model0000018489ba28eb_00000000&sceneTime=52950)

