

# **PROJECT DEVELOPMENT PHASE FINAL DELIVERABLES**

TEAM ID :PNT2022TMID03446

BATCH NO: B2-2M4E

PROJECT: Analytics For Hospital Health care Data

Date :14 Nov 2022

The background features a light blue-grey gradient with various medical icons scattered around. These include a pink and white thermometer with a digital display showing '36.7', a green blister pack containing ten pink and white capsules, several individual capsules in pink, brown, and teal colors, a pink clipboard with a green stethoscope resting on it, and several pink plus signs.

# **ANALYTICS FOR HOSPITAL'S** **HEALTH - CARE DATA**

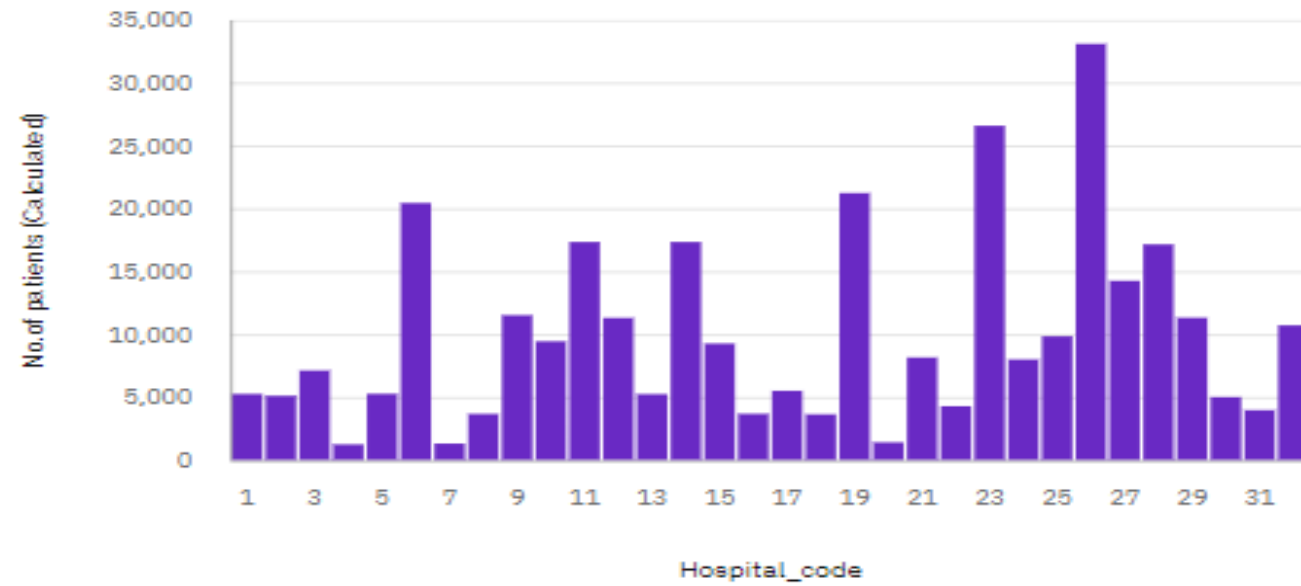
PROJECT CONTRIBUTORS

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Team ID:PNT2022TMID03446

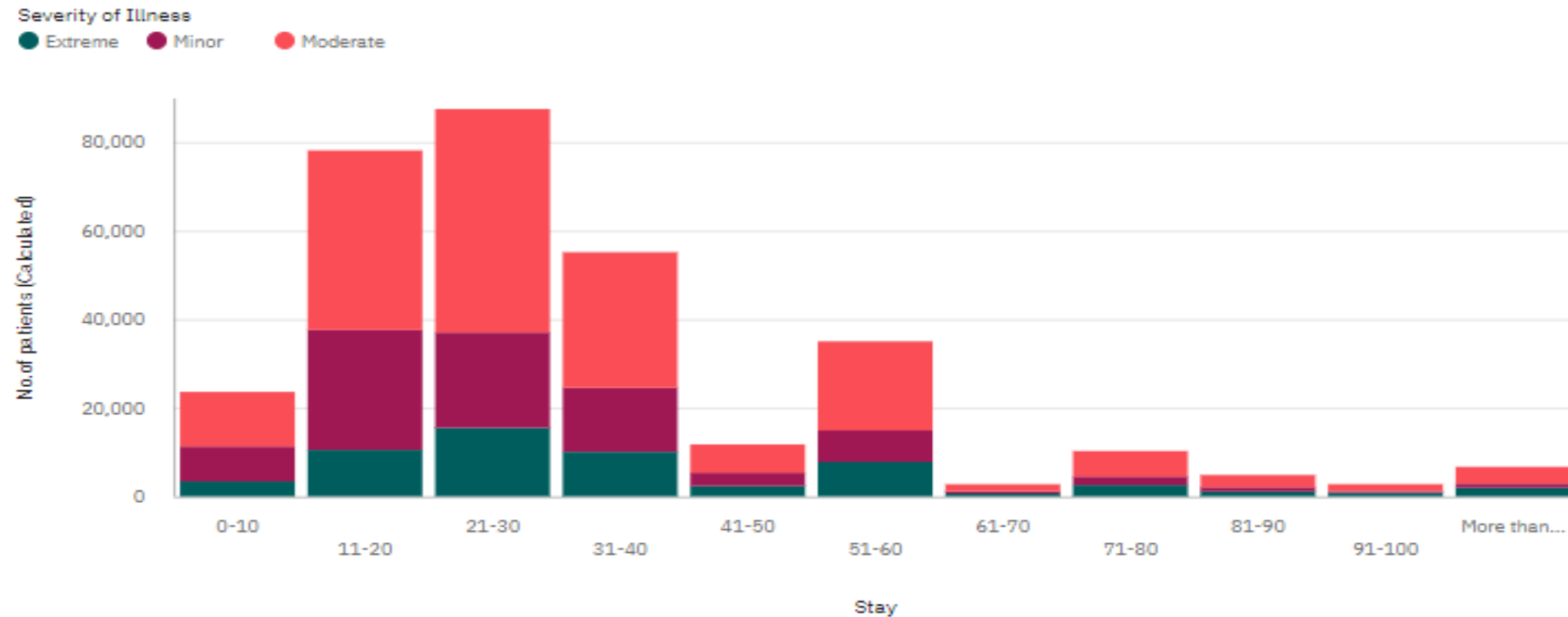
# VISUALIZATION

No.of patients by Hospital\_code



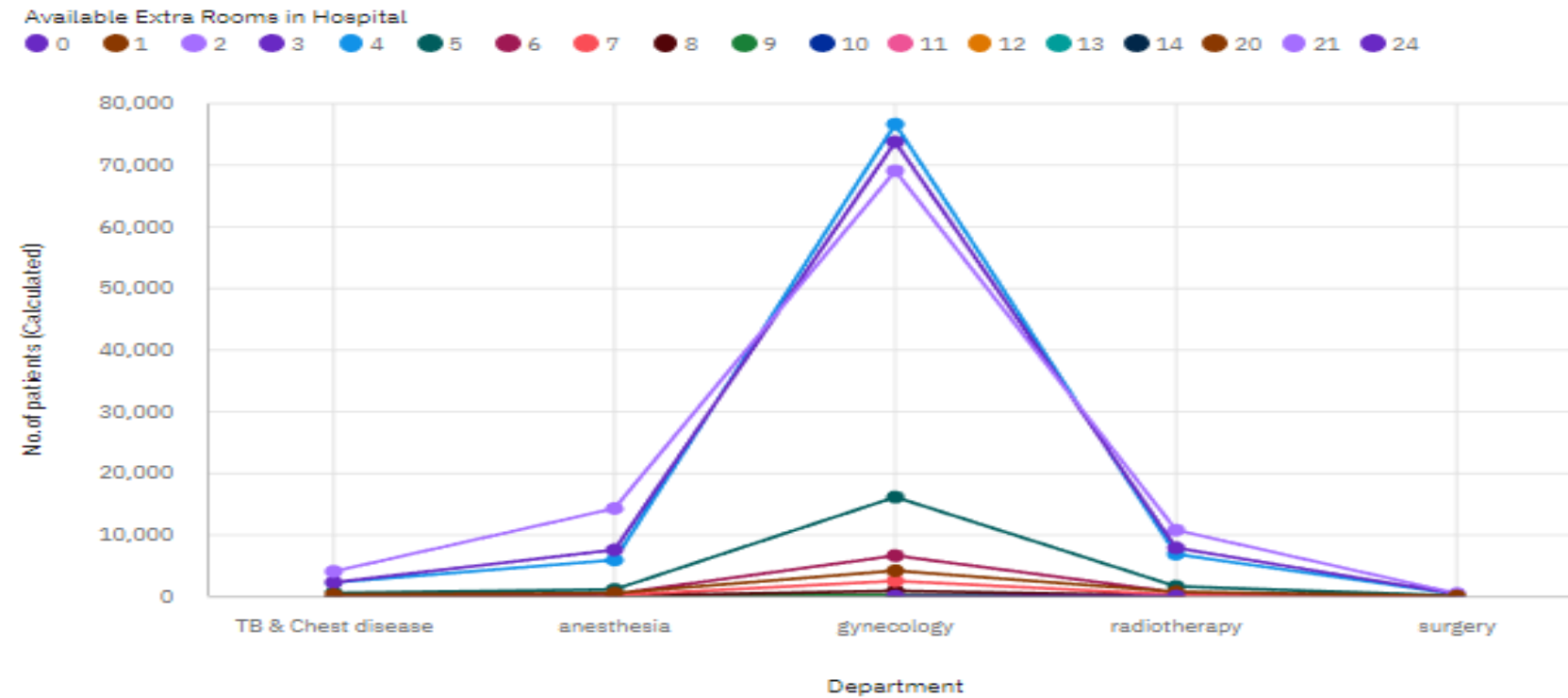
# NO OF PATIENTS TO STAY COLORED BY SEVERITY OF ILLNESS

No. of patients by Stay colored by Severity of Illness

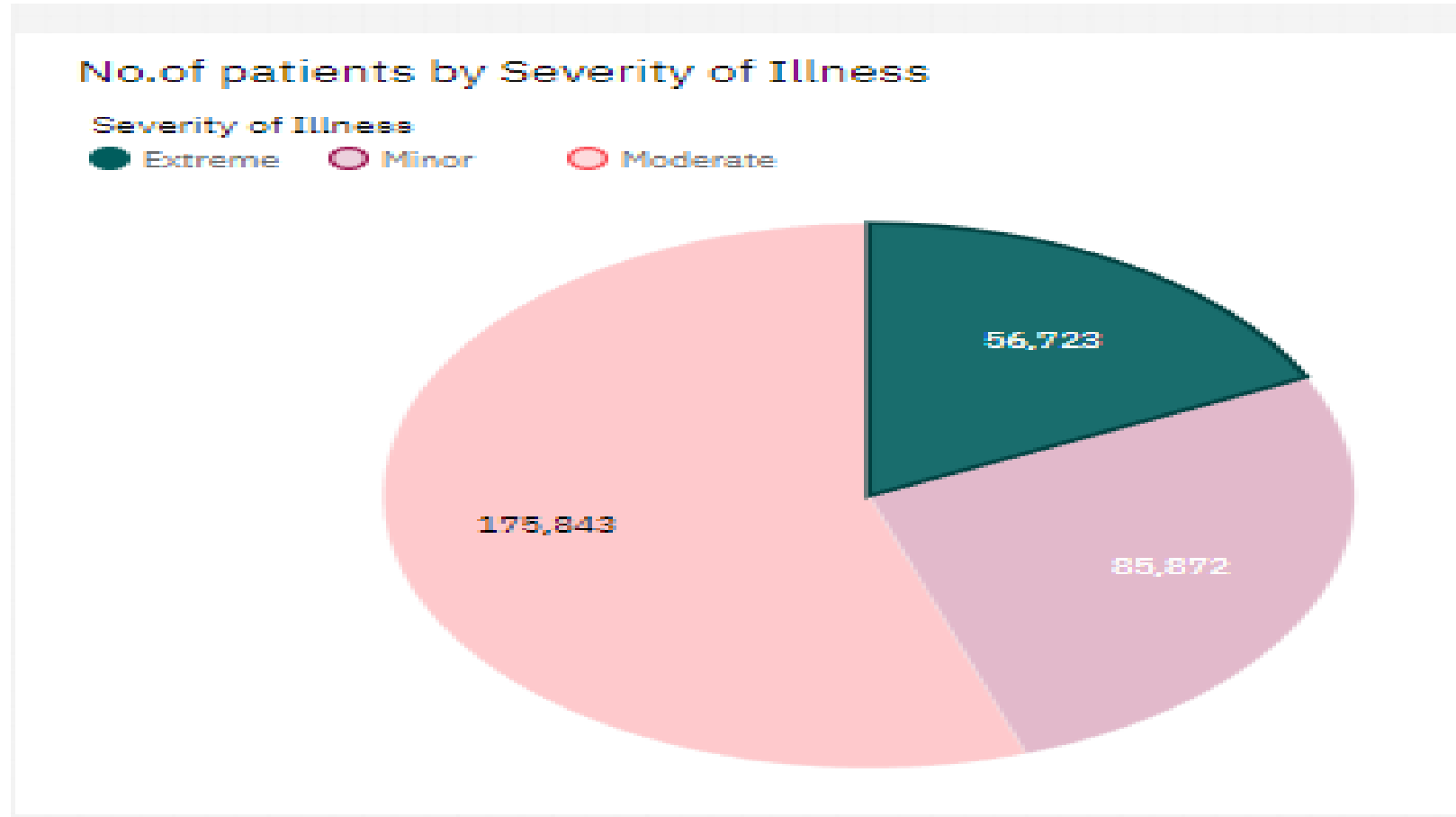


NO OF PATIENTS BY DEPARTMENT COLORED BY  
AVAILABLE EXTRA ROOMS IN HOSPITAL

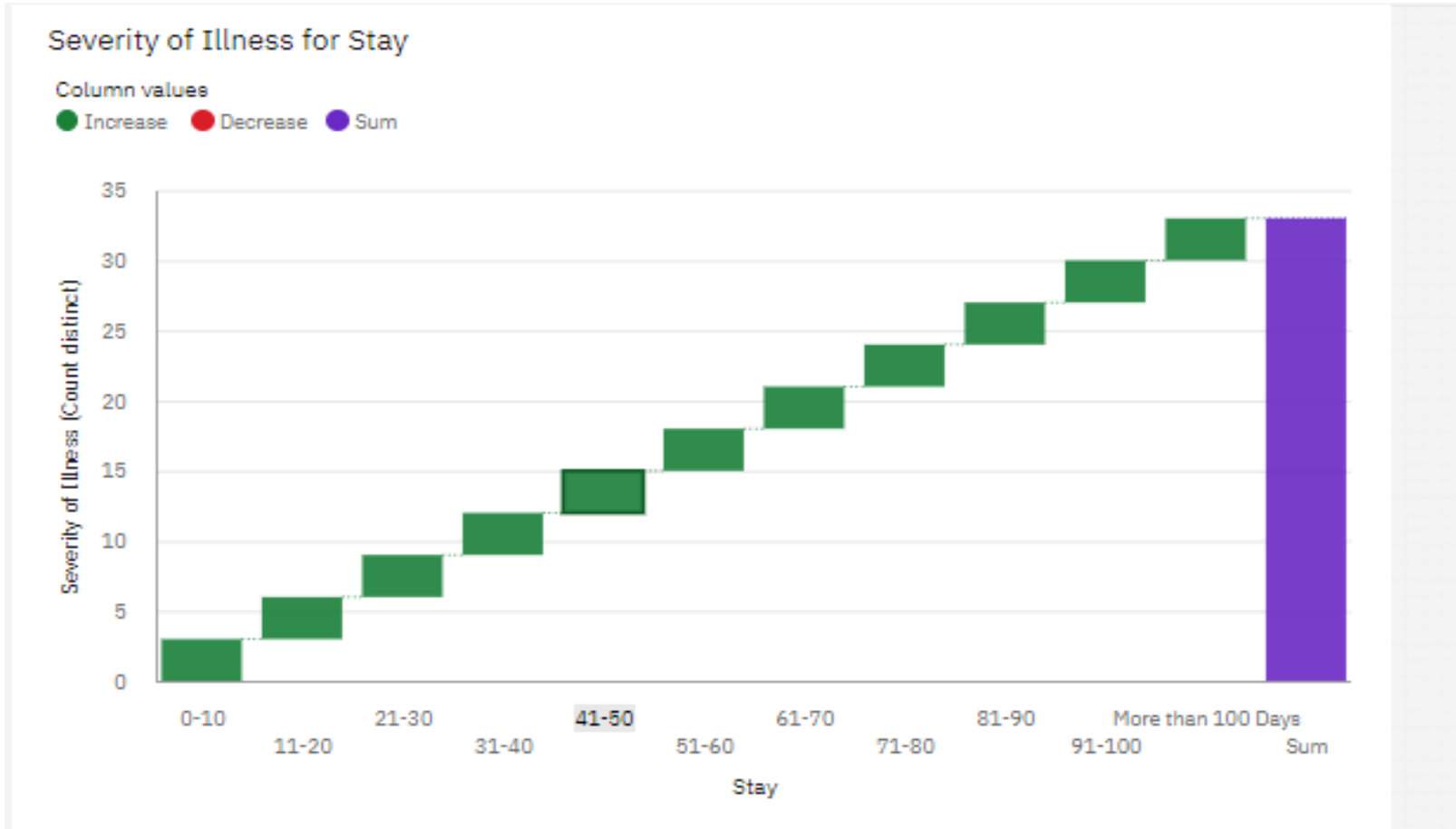
No.of patients by Department colored by Available Extra Rooms in Hospital



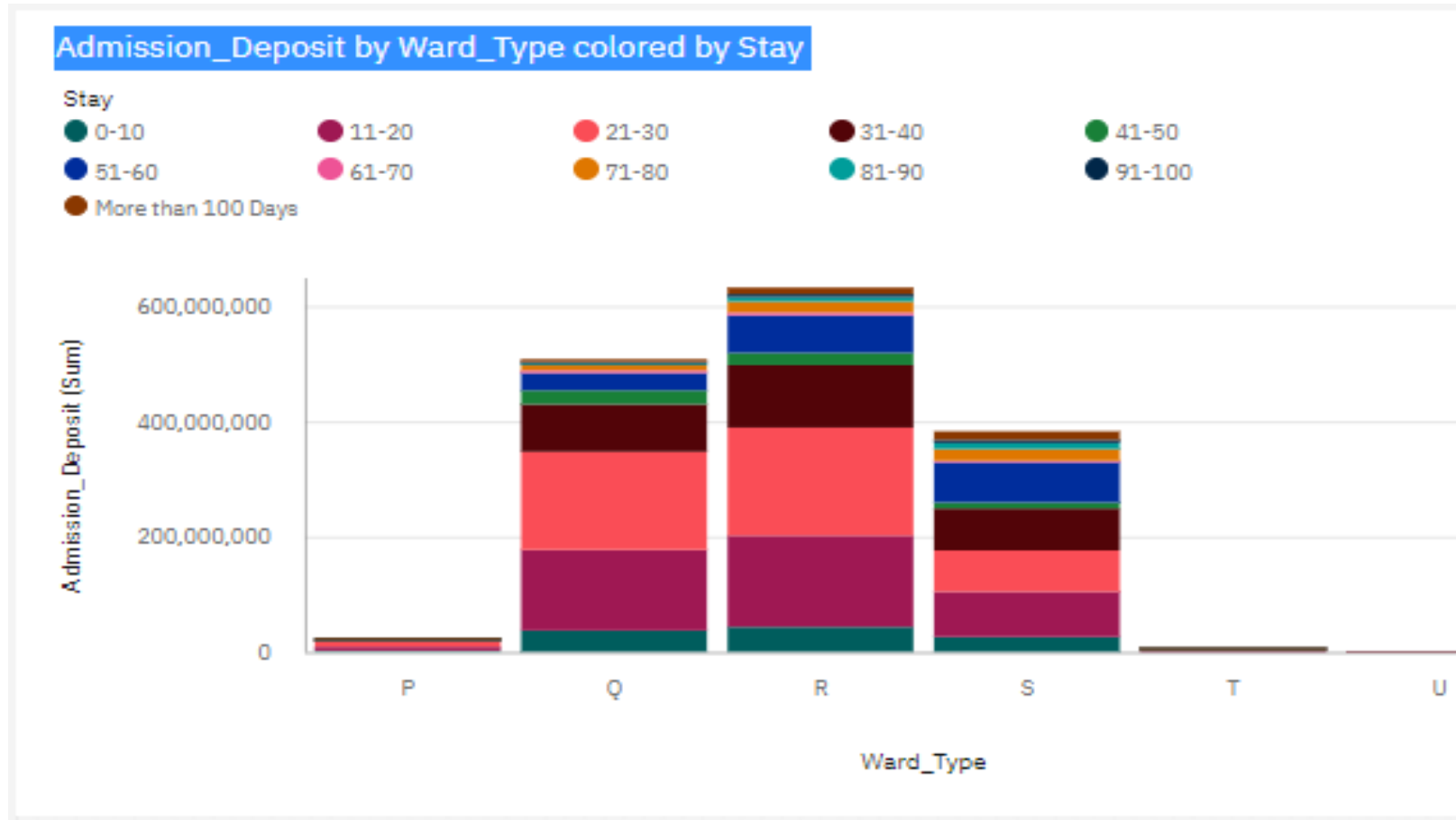
# NO OF PATIENTS BY SEVERITY OF ILLNESS



# SEVERITY OF ILLNESS FOR STAY

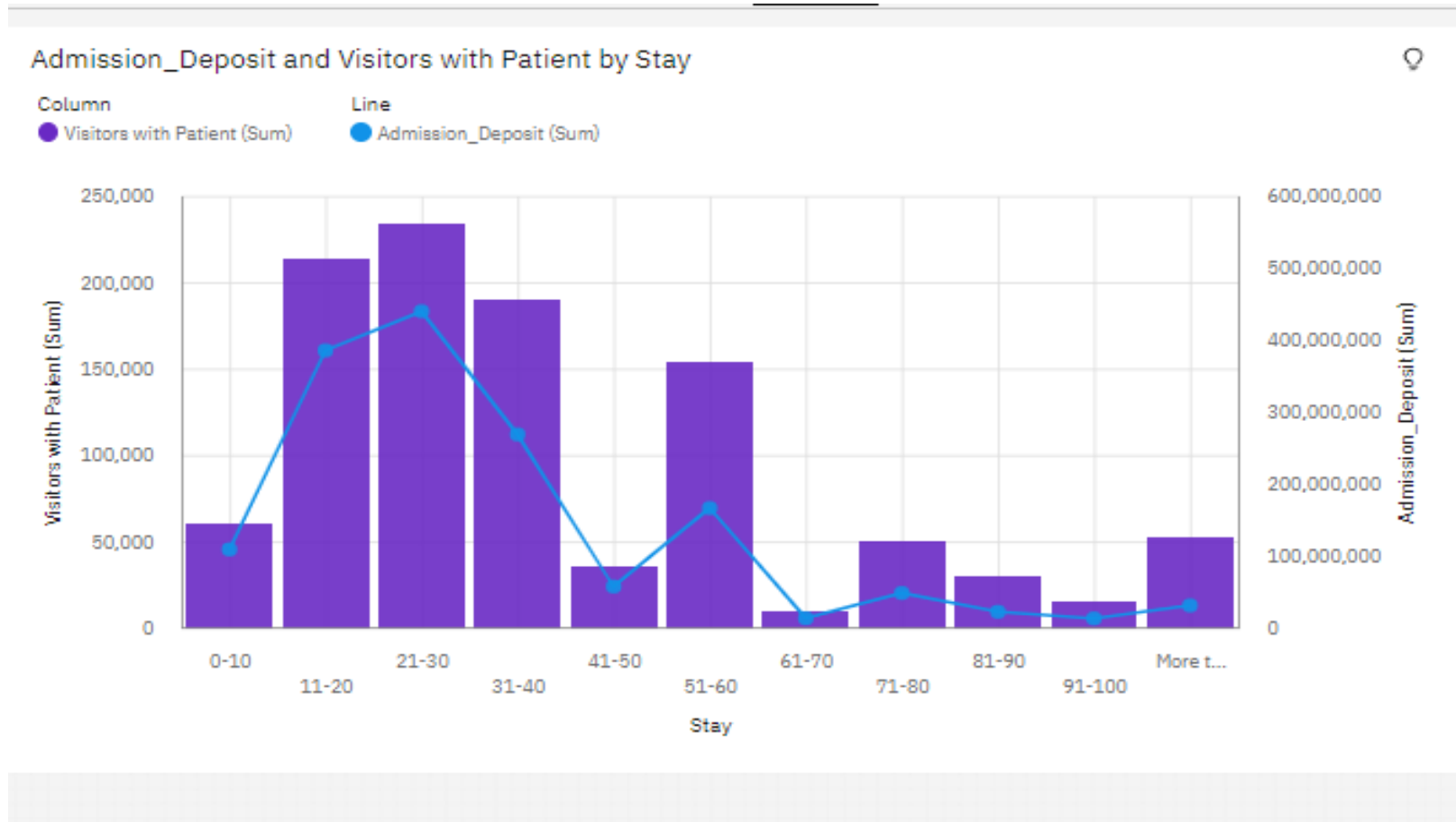


# ADMISSION DEPOSIT BY WARD TYPE COLORED BY STAY

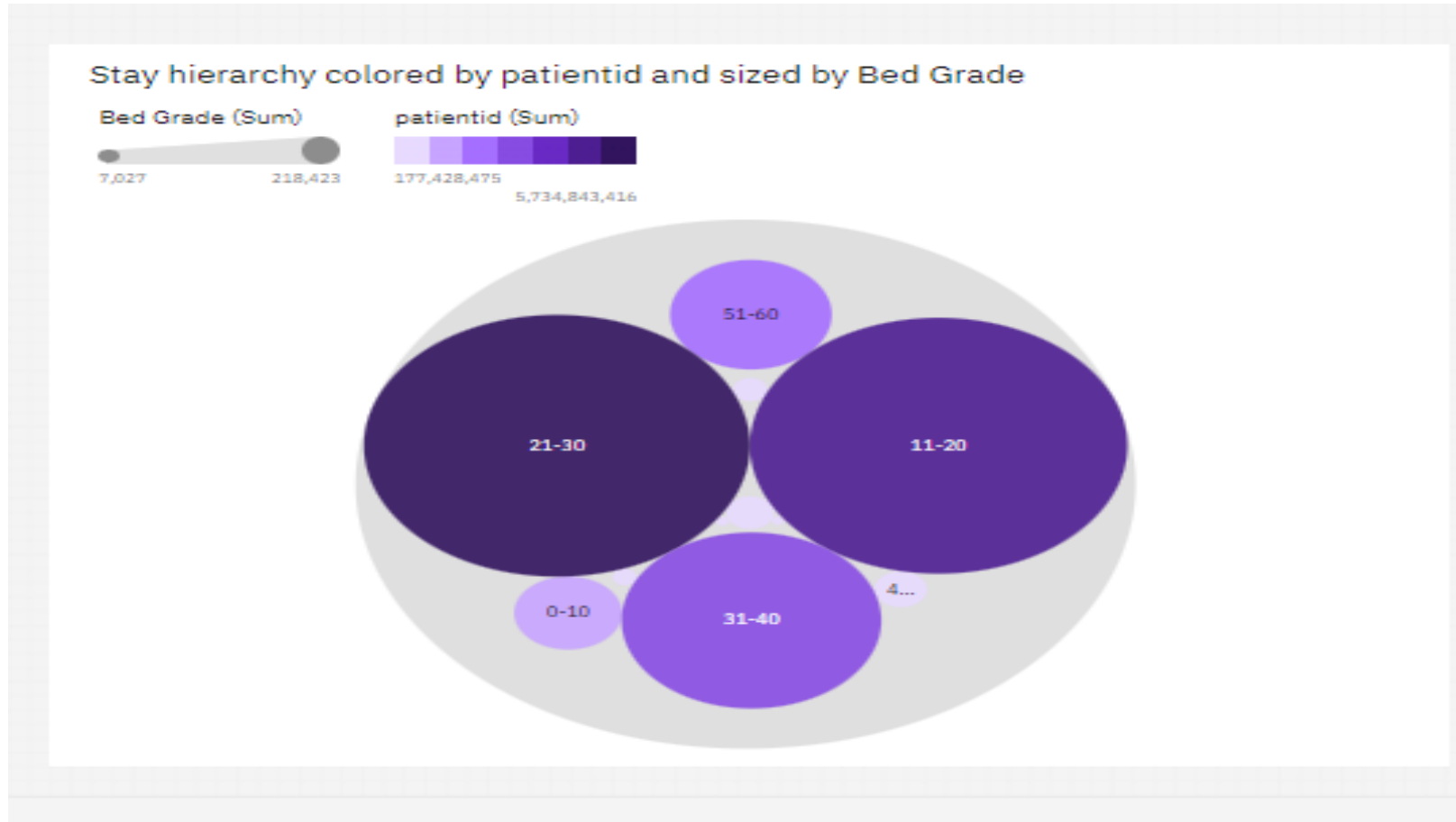




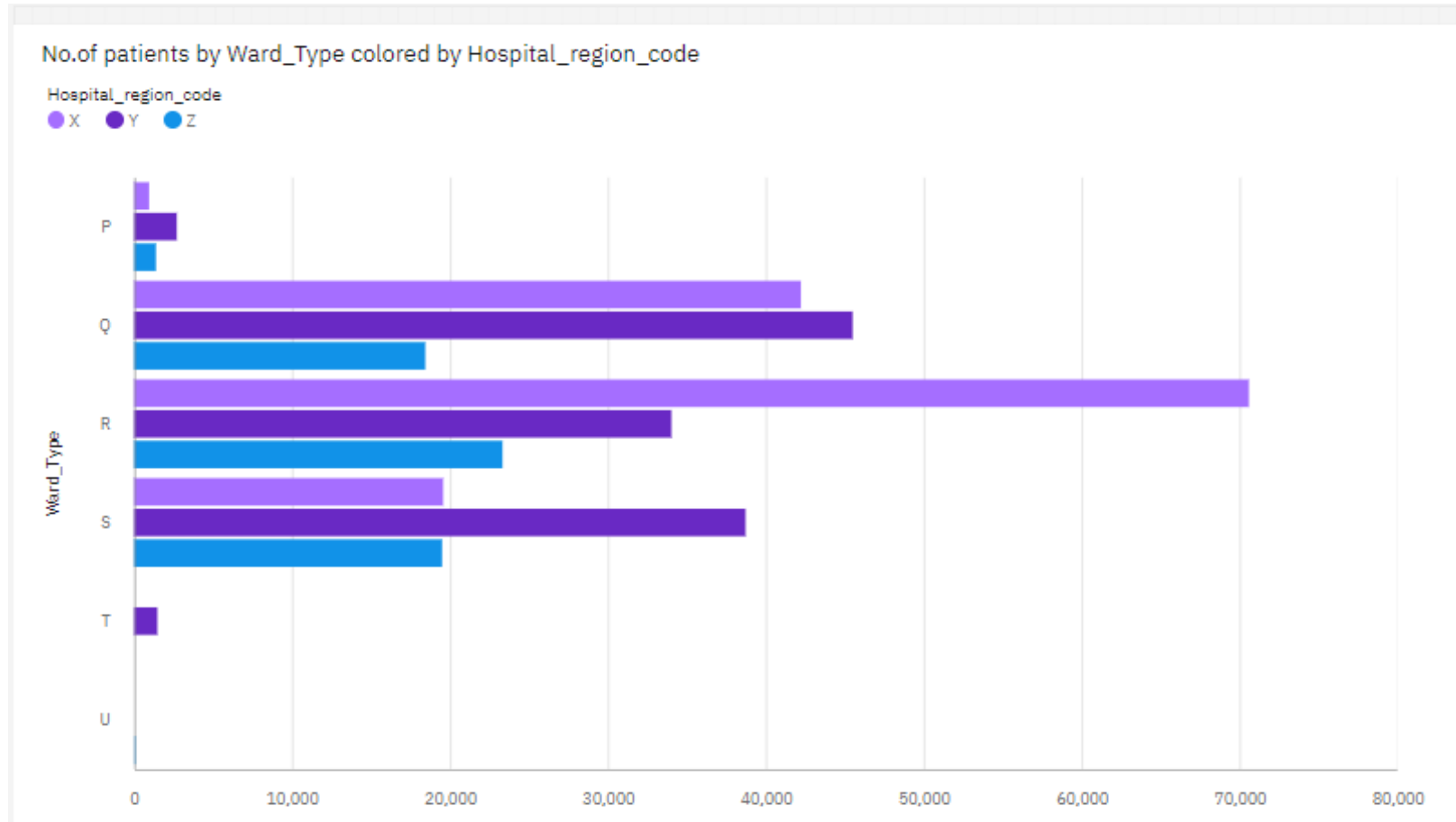
# ADMISSION DEPOSIT AND VISITORS WITH PATIENT BY STAY



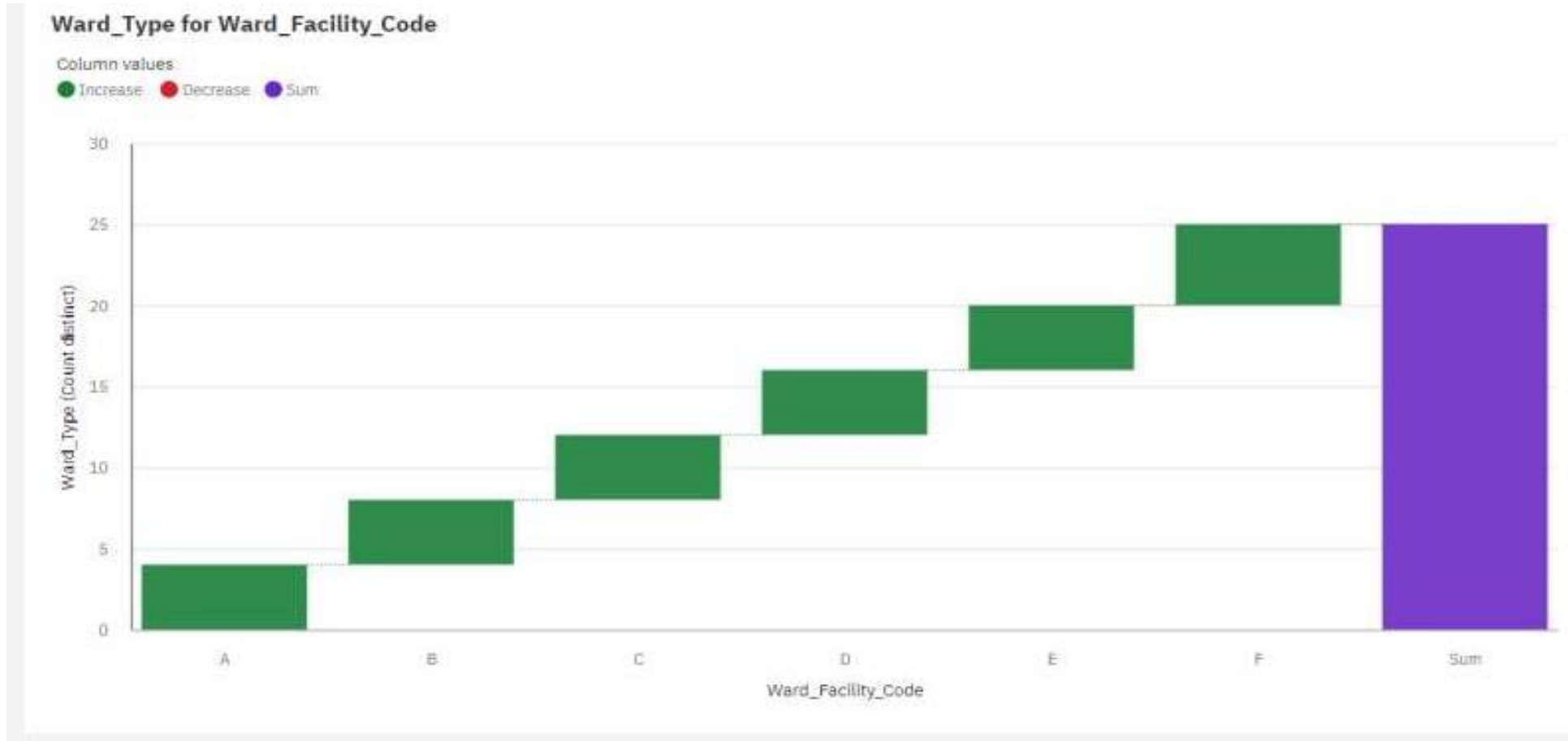
# STAY HIERARCHY COLORED BY PATIENT ID AND SIZED BY BED GRADE



# NO OF PATIENTS BY WARD TYPE COLORED BY HOSPITAL REGION CODE

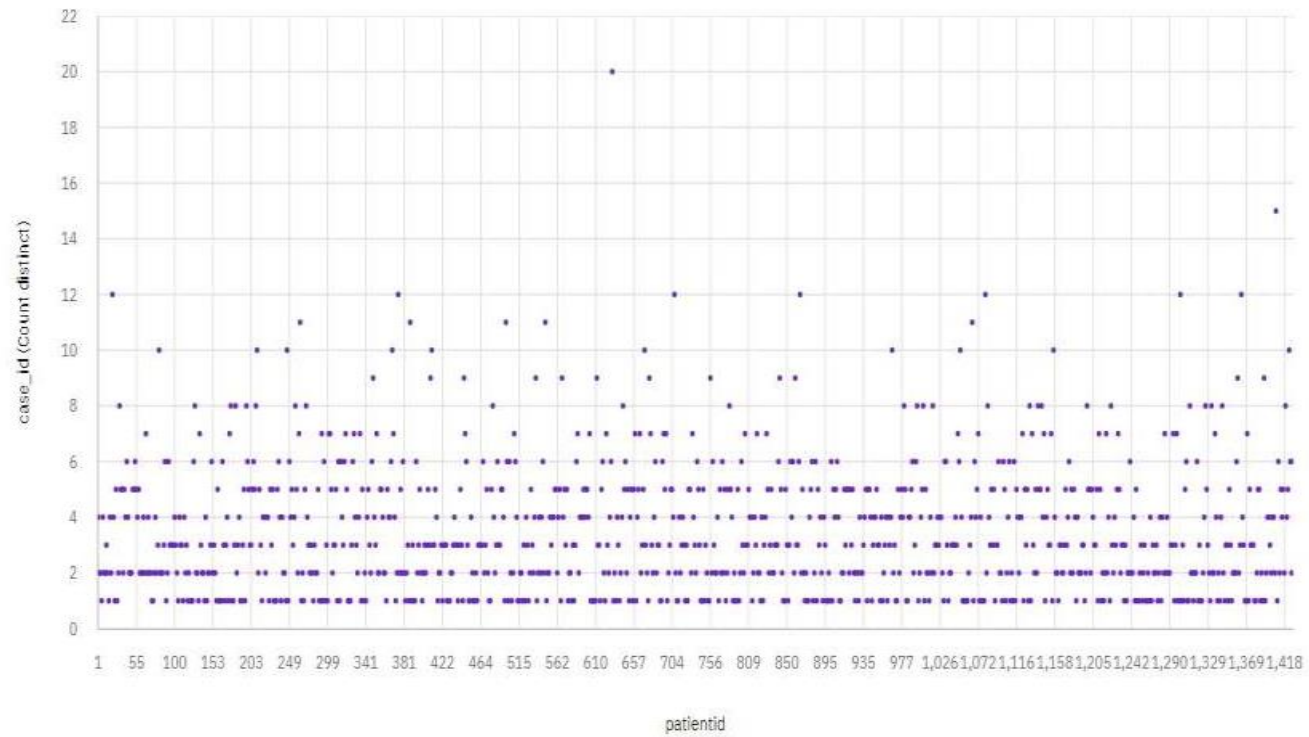


# WARD TYPE FOR WARD FACILITY CODE

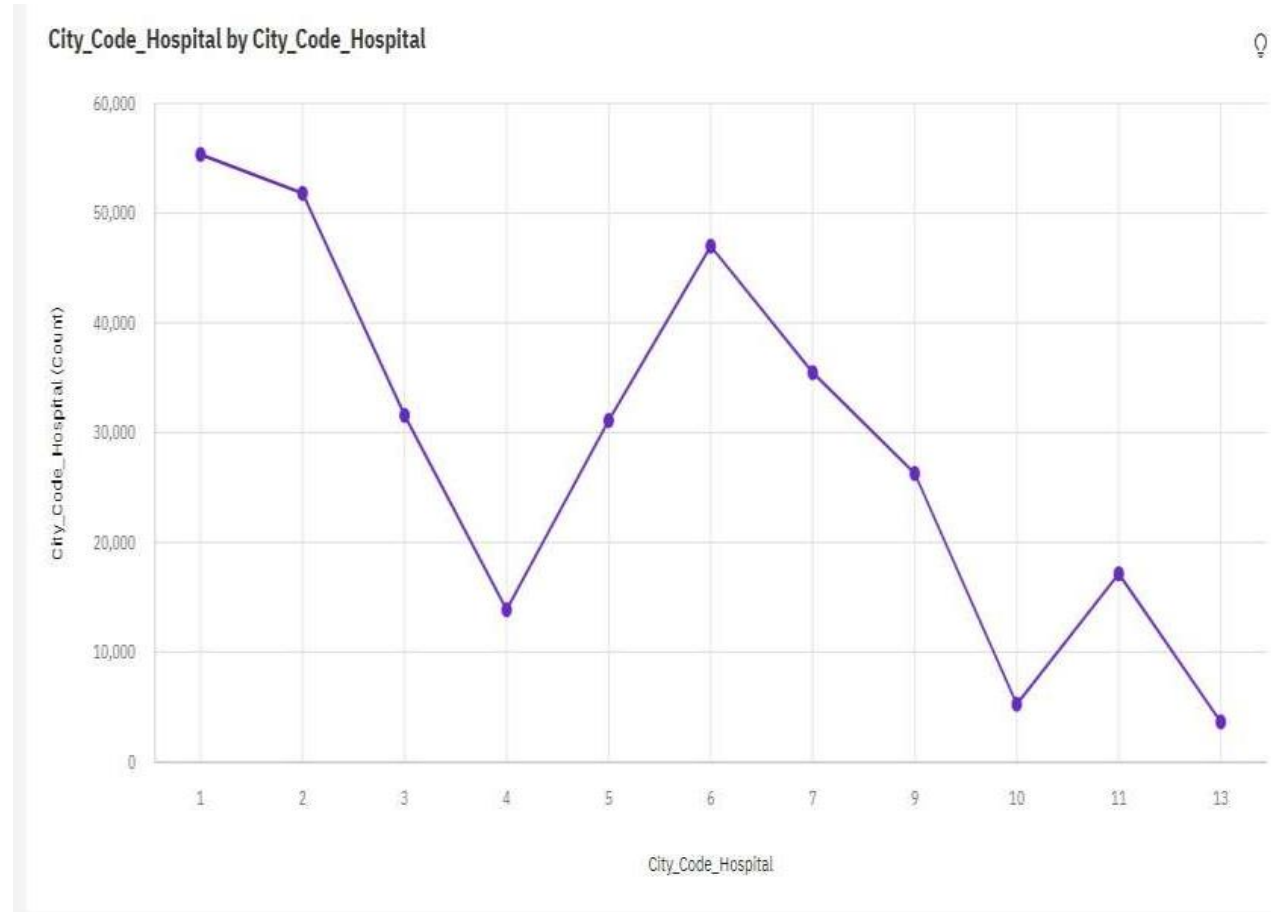


# CASE ID BY PATIENT ID

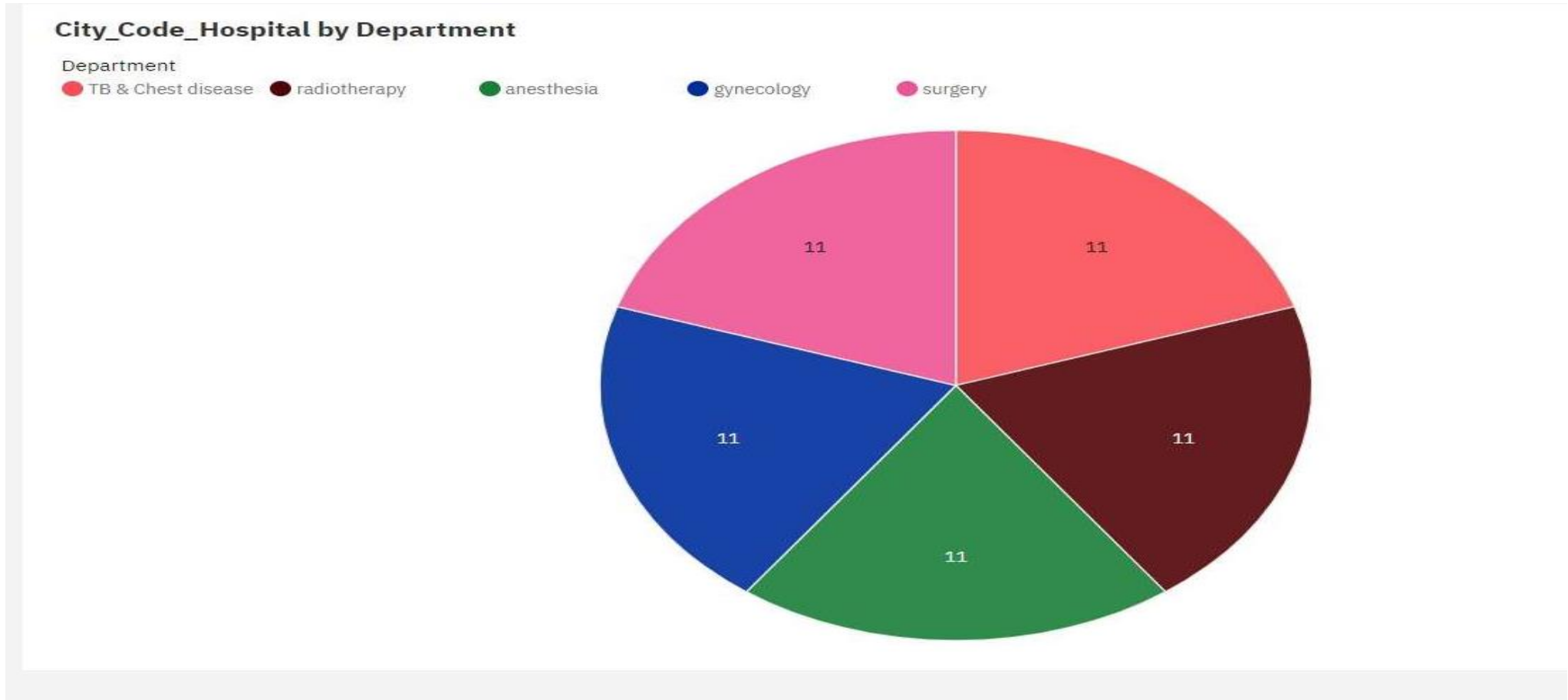
case\_id by patientid

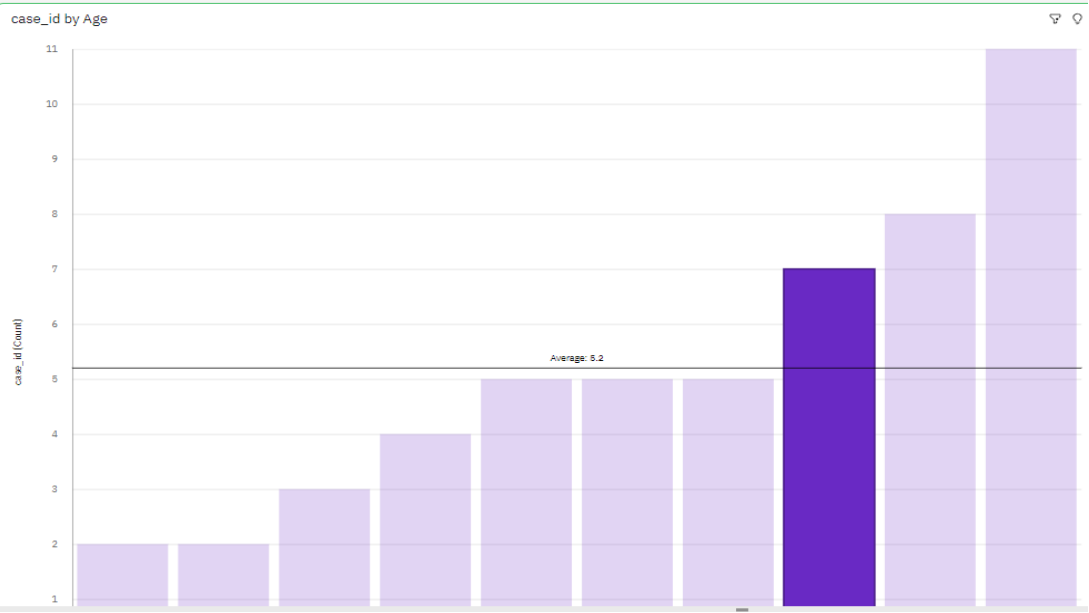
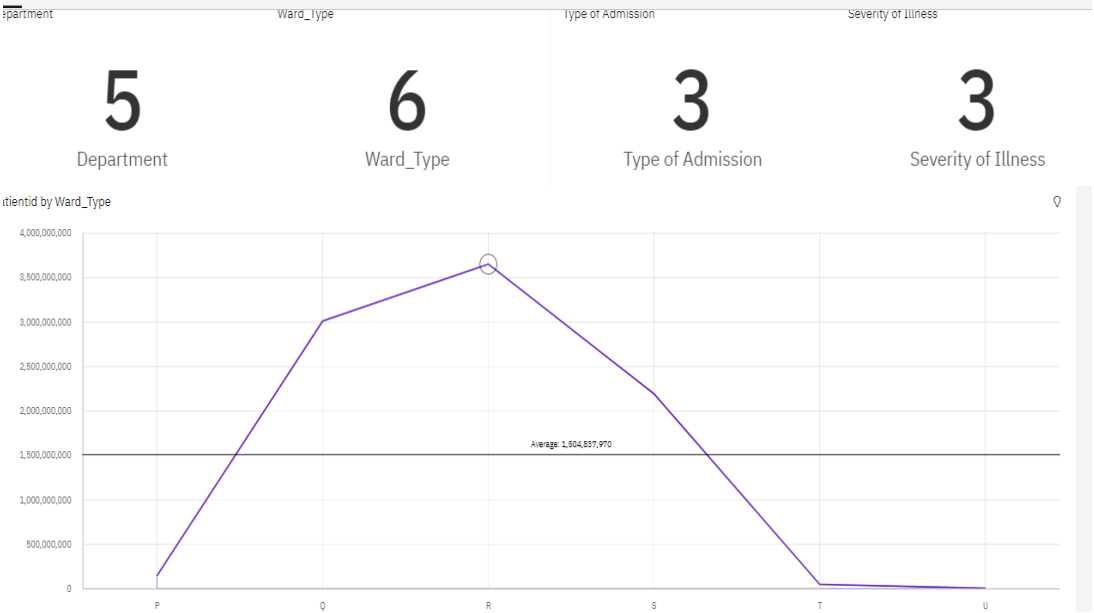


# CITY CODE HOSPITAL BY CITY CODE HOSPITAL



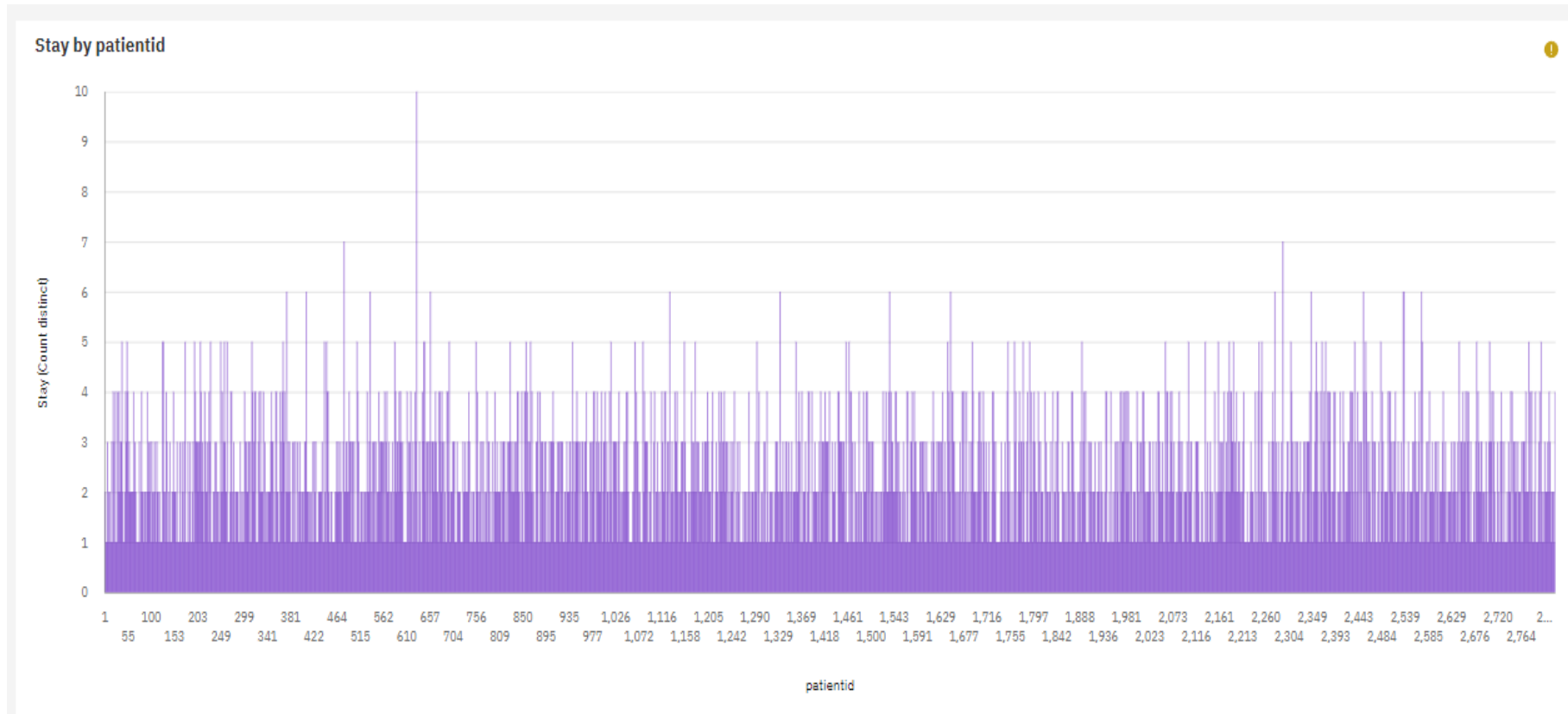
# CITY CODE HOSPITAL BY DEPARTMENT







# STAY BY PATIENT



# PATIENT ID FOR SEVERITY OF ILLNESS HIERARCHY



# DEPARTMENT AND AGE

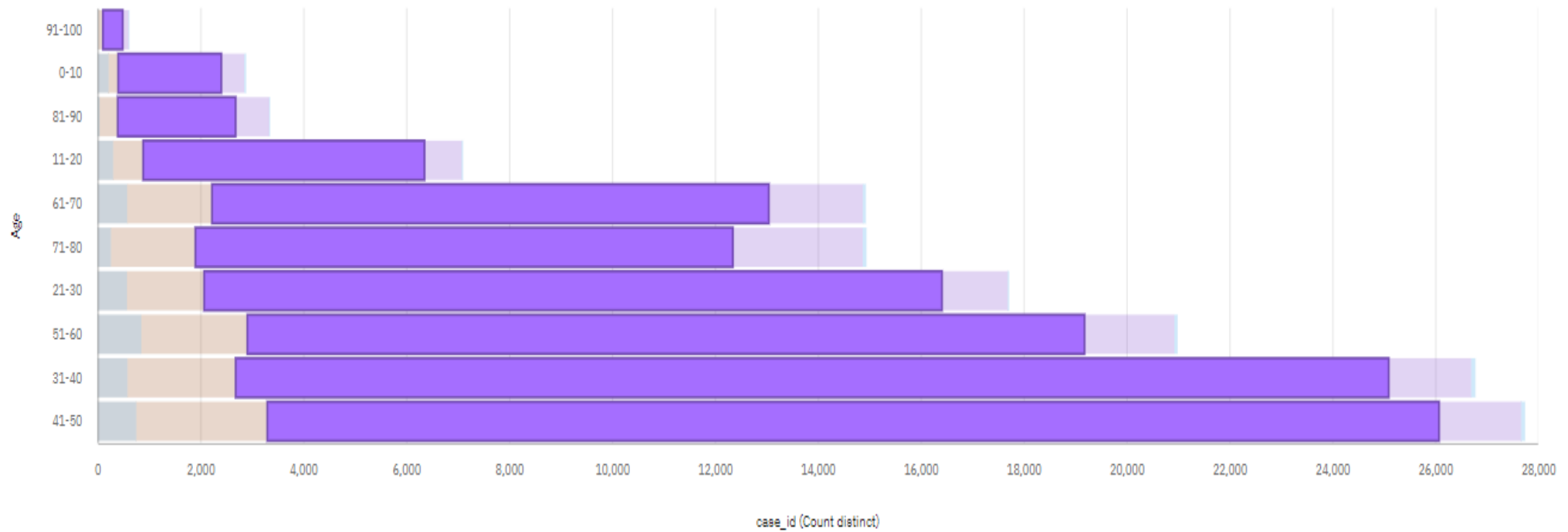
Department and Age	
Age	Department
31-40	anesthesia
	gynecology
	radiotherapy
	surgery
41-50	TB & Chest disease
	anesthesia
	gynecology
	radiotherapy
51-60	surgery
	TB & Chest disease
	anesthesia
	gynecology
	radiotherapy
	surgery
	TB & Chest disease

# CASE ID BY AGE COLORED BY DEPARTMENT

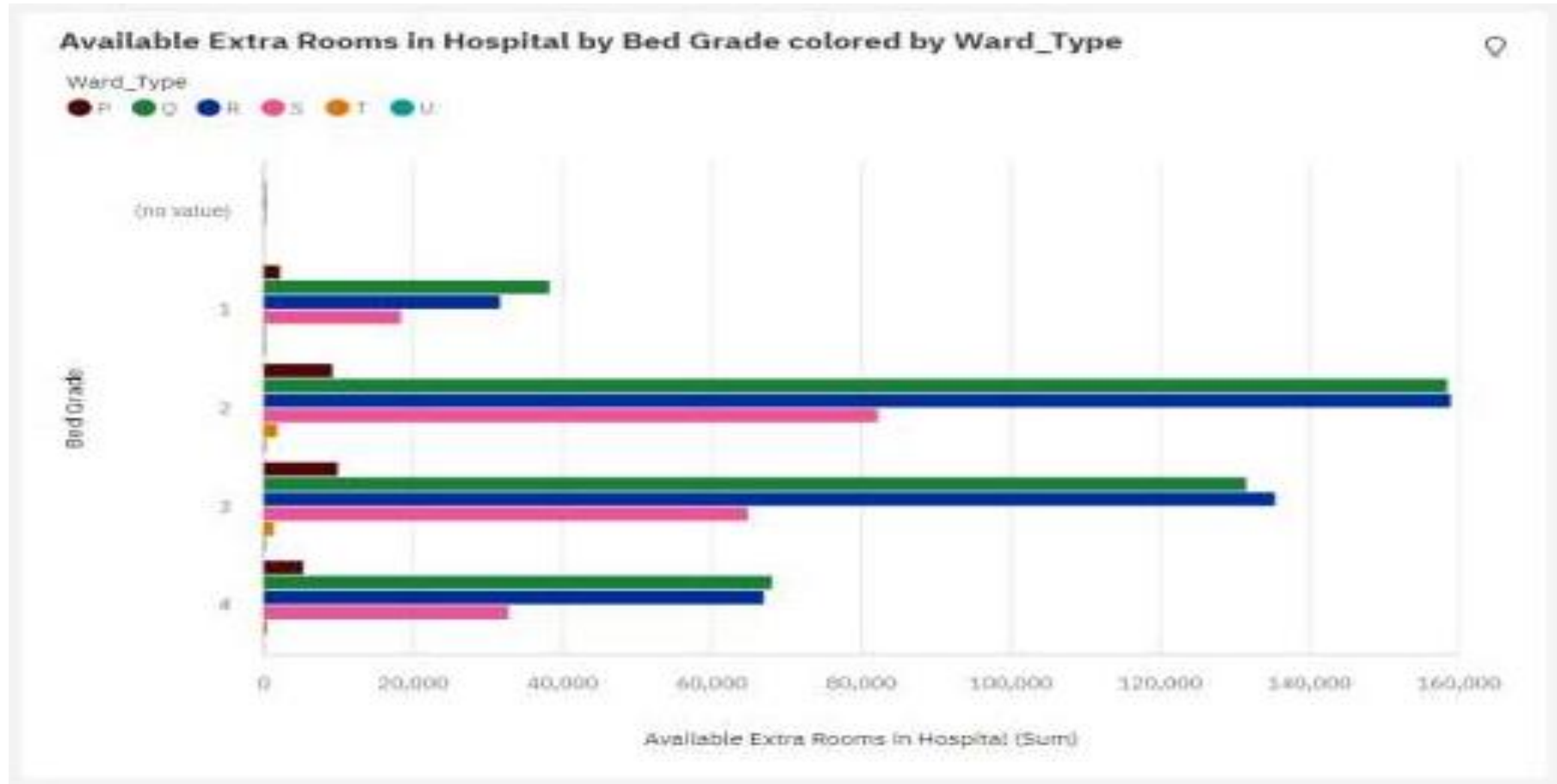
case\_id by Age colored by Department

Department

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



# AVAILABLE EXTRA ROOMS IN HOSPITAL BY BED GRADE COLORED BY WARD TYPE

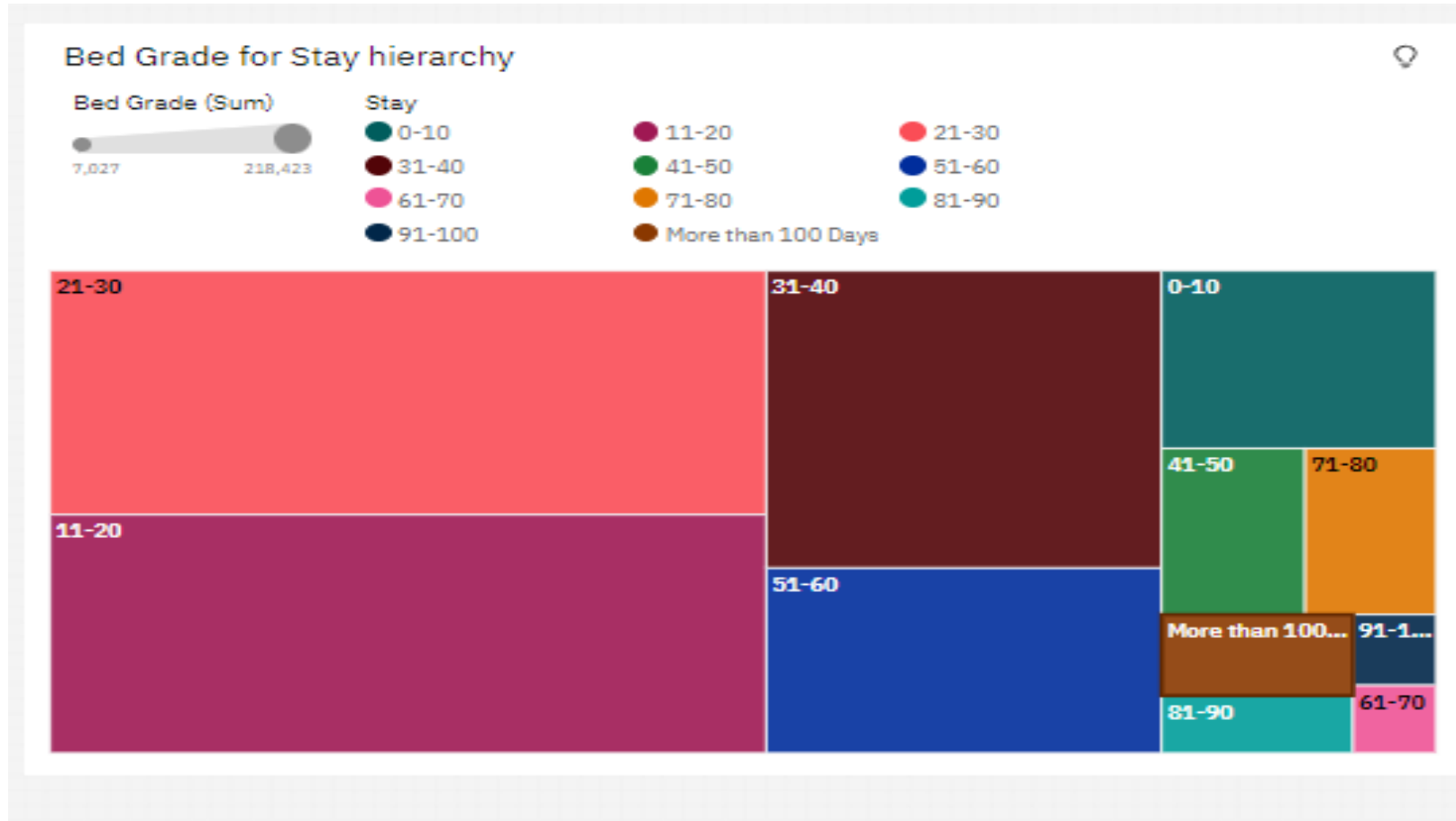


# WARD TYPE FOR BED GRADE AND AVAILABLE EXTRA ROOMS IN HOSPITAL

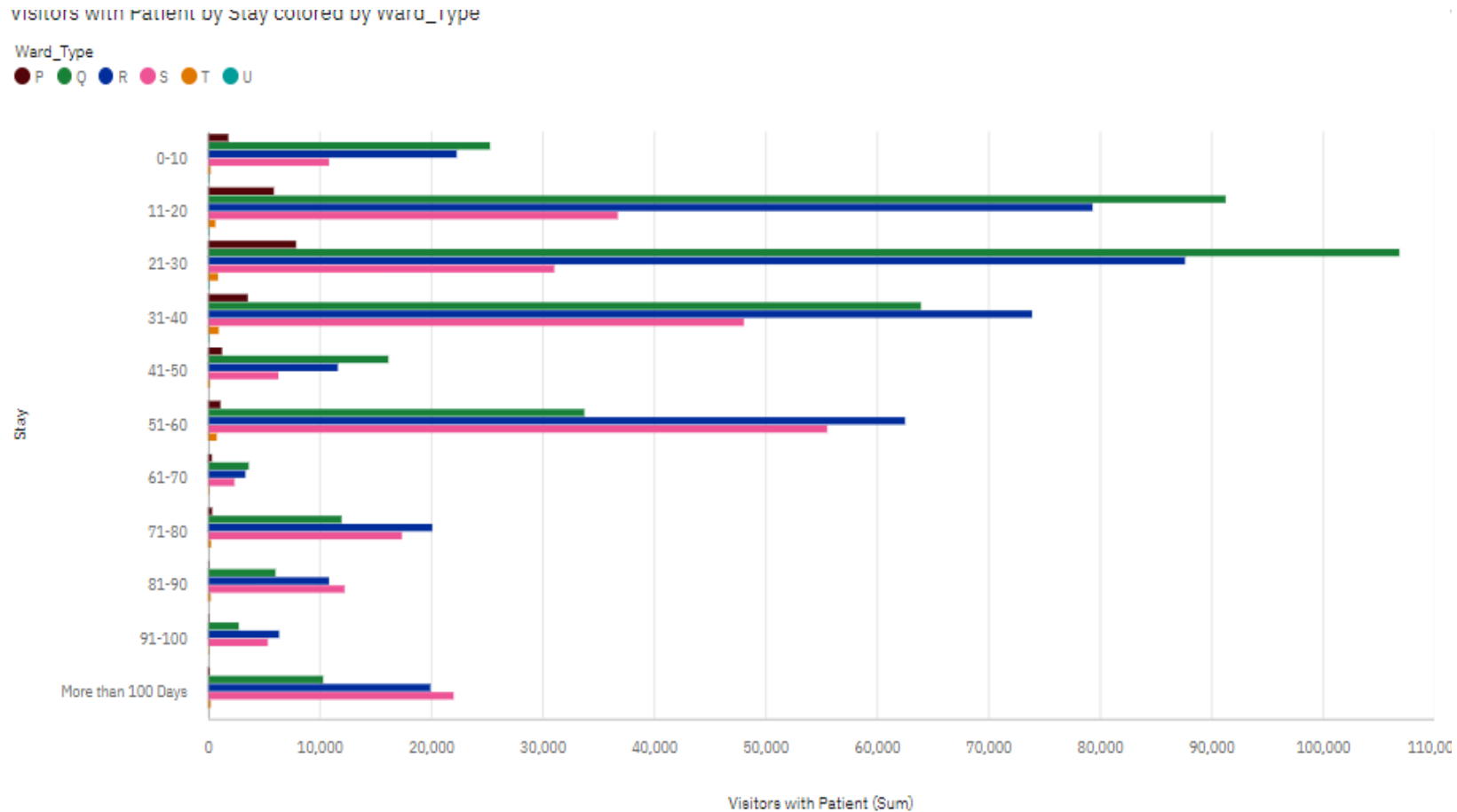
Ward\_Type for Bed Grade and Available Extra Rooms in Hospital

Ward_Type	1	2	3	4	Summary
0	(no value)	3	2	1	3
1	4	5	5	5	5
2	5	5	6	5	6
3	5	5	6	5	6
4	6	6	6	5	6
5	5	5	5	4	5
6	4	5	4	4	5
7	4	4	4	4	4
8	4	4	4	4	4
9	3	4	4	3	4
10	2	4	4	3	4
11	1	2	2	2	3
12	1	2	2	2	2
13	(no value)	1	(no value)	1	1

# BED GRADE FOR STAY HIERARCHY



# VISITORS WITH PATIENTS BY STAY COLORED BY WARD TYPE





# IMPACT OF AGE ON LOS

Impact of age on LOS

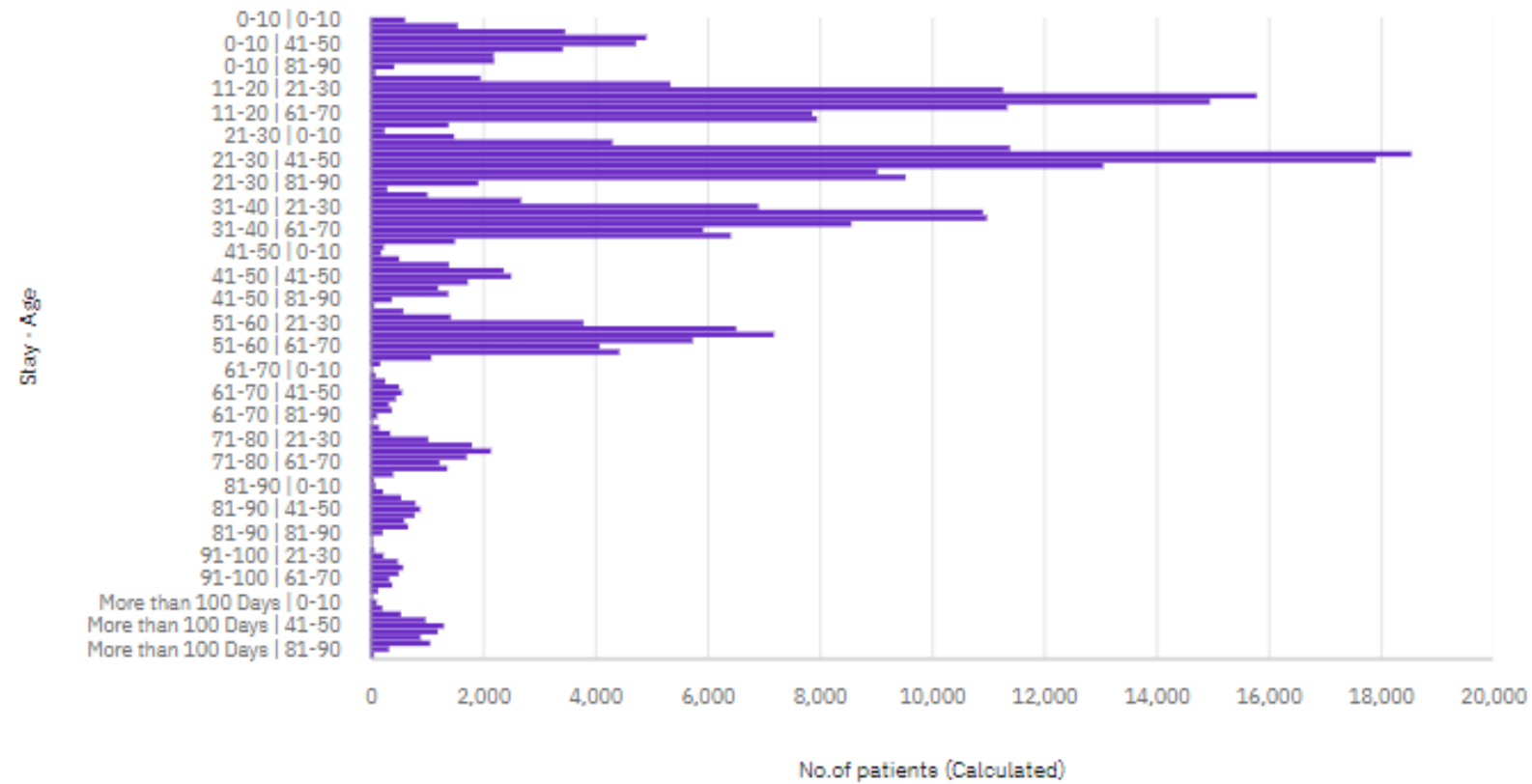
No.of patients	0-10	11-20	21-30	31-40	41-50	51-60
0-10	615	1,959	1,489	1,014	187	
11-20	1,552	5,343	4,312	2,681	510	
21-30	3,467	11,272	11,394	6,912	1,398	
31-40	4,916	15,792	18,550	10,912	2,373	
41-50	4,727	14,959	17,906	10,983	2,507	
51-60	3,427	11,346	13,058	8,569	1,735	
61-70	2,194	7,870	9,033	5,930	1,205	
71-80	2,201	7,958	9,534	6,420	1,383	
81-90	422	1,392	1,920	1,504	379	
91-100						

# SEVERITY OF ILLNESS FOR SEVERITY OF ILLNESS AND AGE

Severity of Illness for Severity of Illness and Age				
Severity of Illness	Extreme	Minor	Moderate	Summary
0-10	658	2,530	3,066	6,254
11-20	1,358	8,027	7,383	16,768
21-30	4,237	15,406	21,200	40,843
31-40	10,219	16,462	36,958	63,639
41-50	13,393	12,933	37,423	63,749
51-60	10,467	10,513	27,534	48,514
61-70	7,215	8,199	18,273	33,687
71-80	7,038	9,686	19,068	35,792
81-90	1,842	1,840	4,208	7,890
91-100	296	276	730	1,302
Summary	56,723	85,872	175,843	318,438

# NO.OF PATIENTS BY STAY ANG AGE

No.of patients by Stay and Age

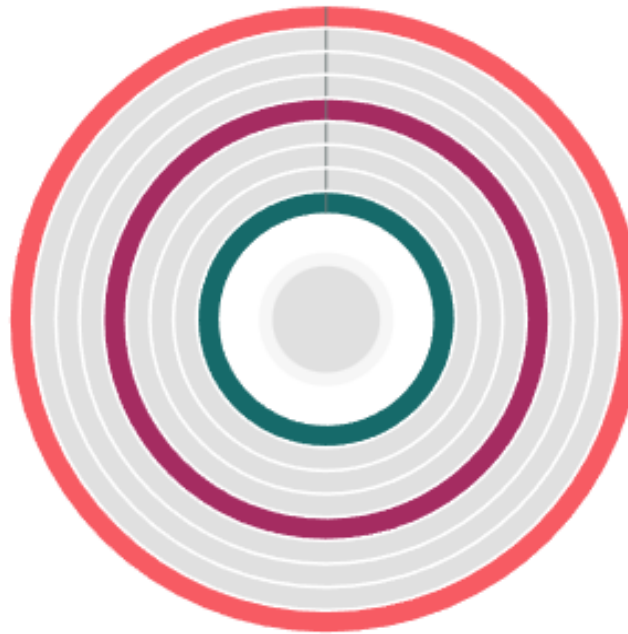


# STAY BY OF PATIENTS COLORED BY SEVERITY OF ILLNESS

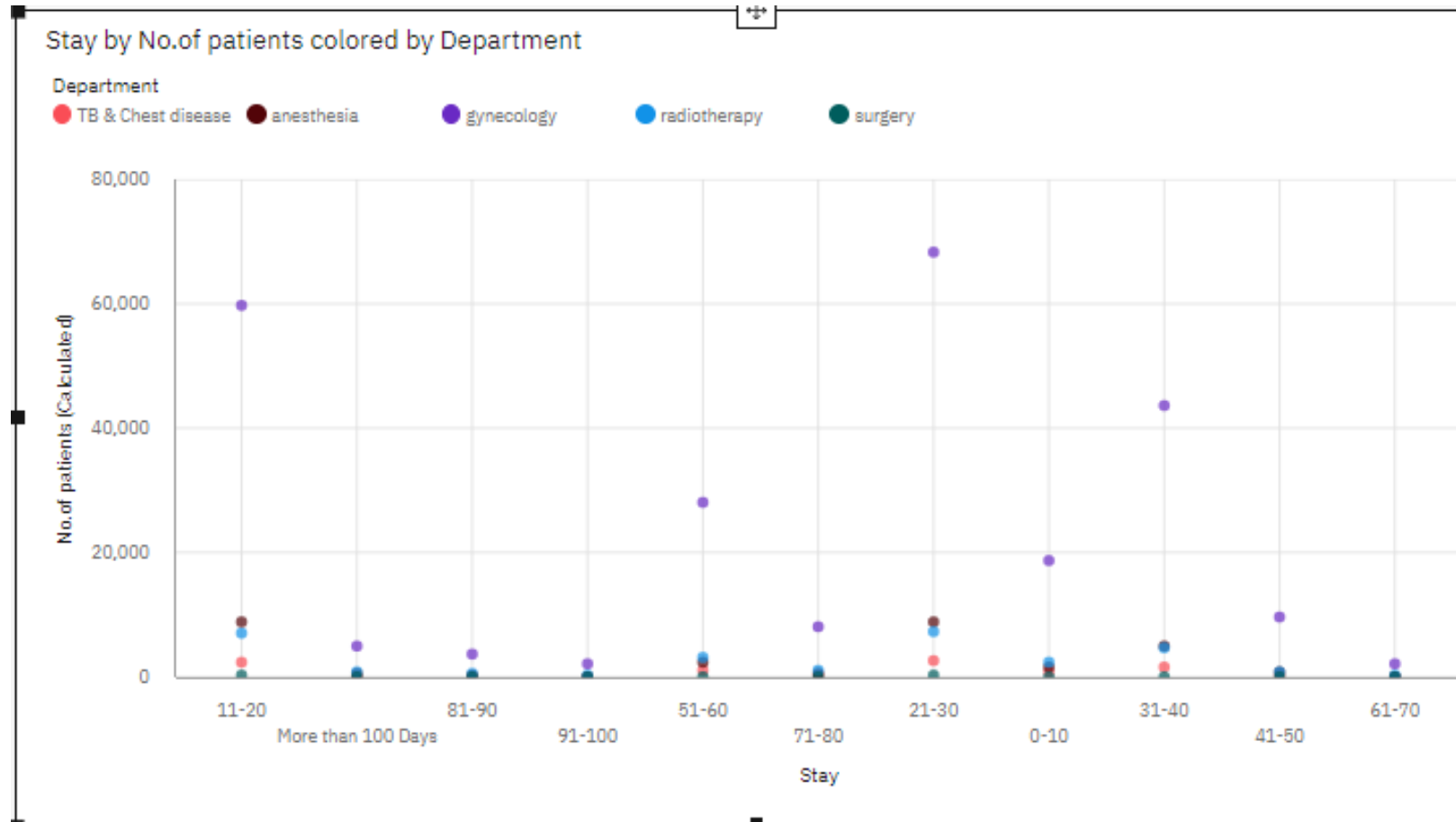
Stay by No.of patients colored by Severity of Illness

Severity of Illness

● Extreme ● Minor ● Moderate



# STAY BY NO OF PATIENTS COLOURED BY DEPARTMENT



# AVAILABLE EXTRA ROOMS IN HOSPITAL BY STAY

Available Extra Rooms in Hospital by Stay

