

PROJECT DEVELOPMENT PHASE

SPRINT DELIVERY -2

TEAM ID :PNT2022TMID03446

BATCH NO : B2-2M4E

PROJECT : Analytics for

Hospitals Health-Care Data

DATE : 5 NOV 2022

The background features a light blue gradient with various medical icons scattered around. These include several capsules in red and blue, a blister pack of white pills, a pink digital thermometer showing 36.7, a green stethoscope, and a pink clipboard with a white grid. There are also several pink plus signs.

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

PROJECT CONTRIBUTORS

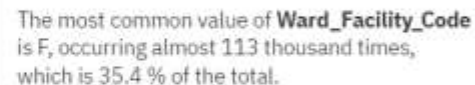
Mythili P
Kousalya R
Lalitha Parameswari C
Dhivya Lakshmi S

Team ID:PNT2022TMID03446

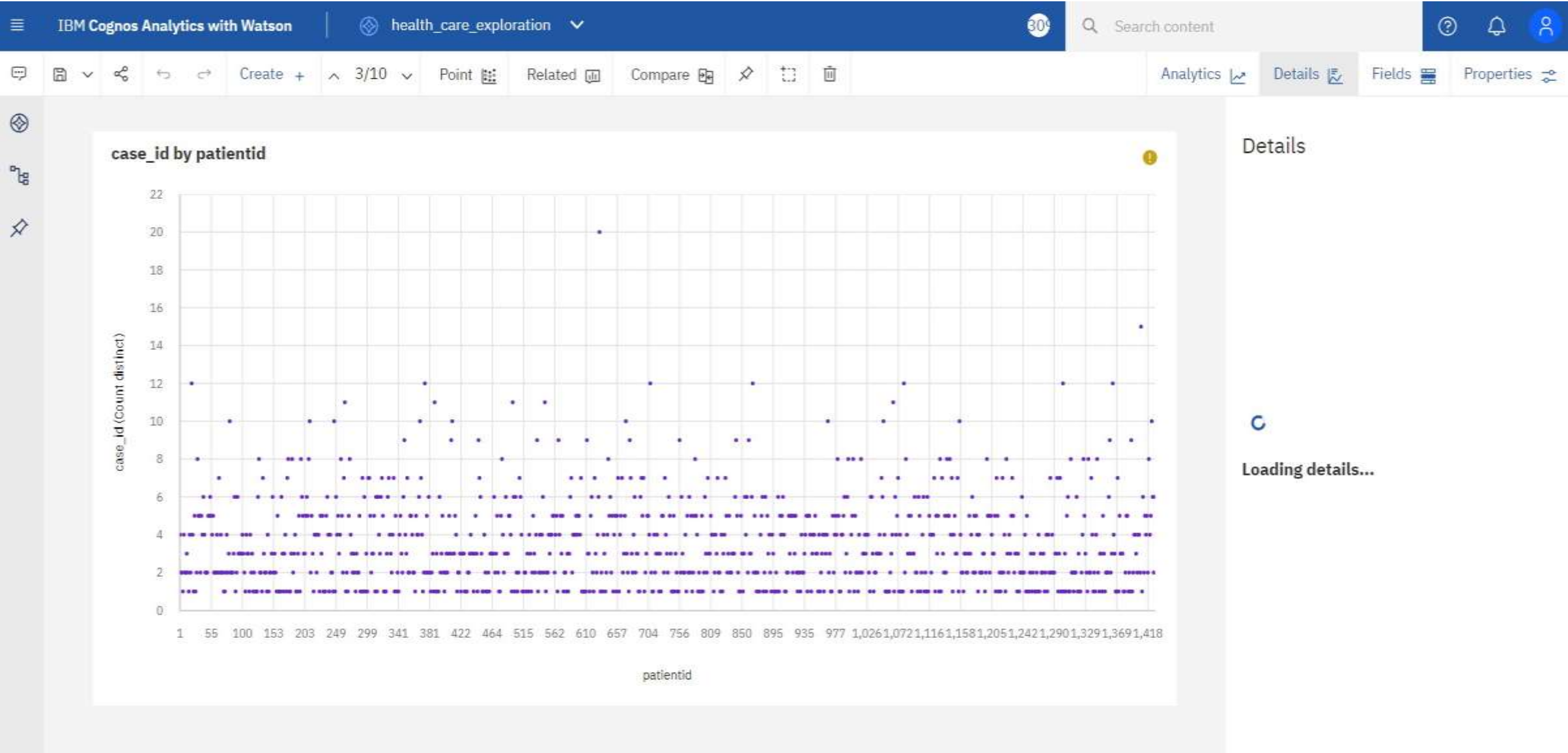
Project Development Phase

Sprint-1: <ul style="list-style-type: none">✓ Data Collection✓ Loading of data✓ Data Preparation	Sprint-3: <ul style="list-style-type: none">✓ Dashboard Creation
Sprint-2: <ul style="list-style-type: none">✓ Data Exploration✓ Data Visualization	Sprint-4: <ul style="list-style-type: none">✓ Report Creation✓ Story Creation

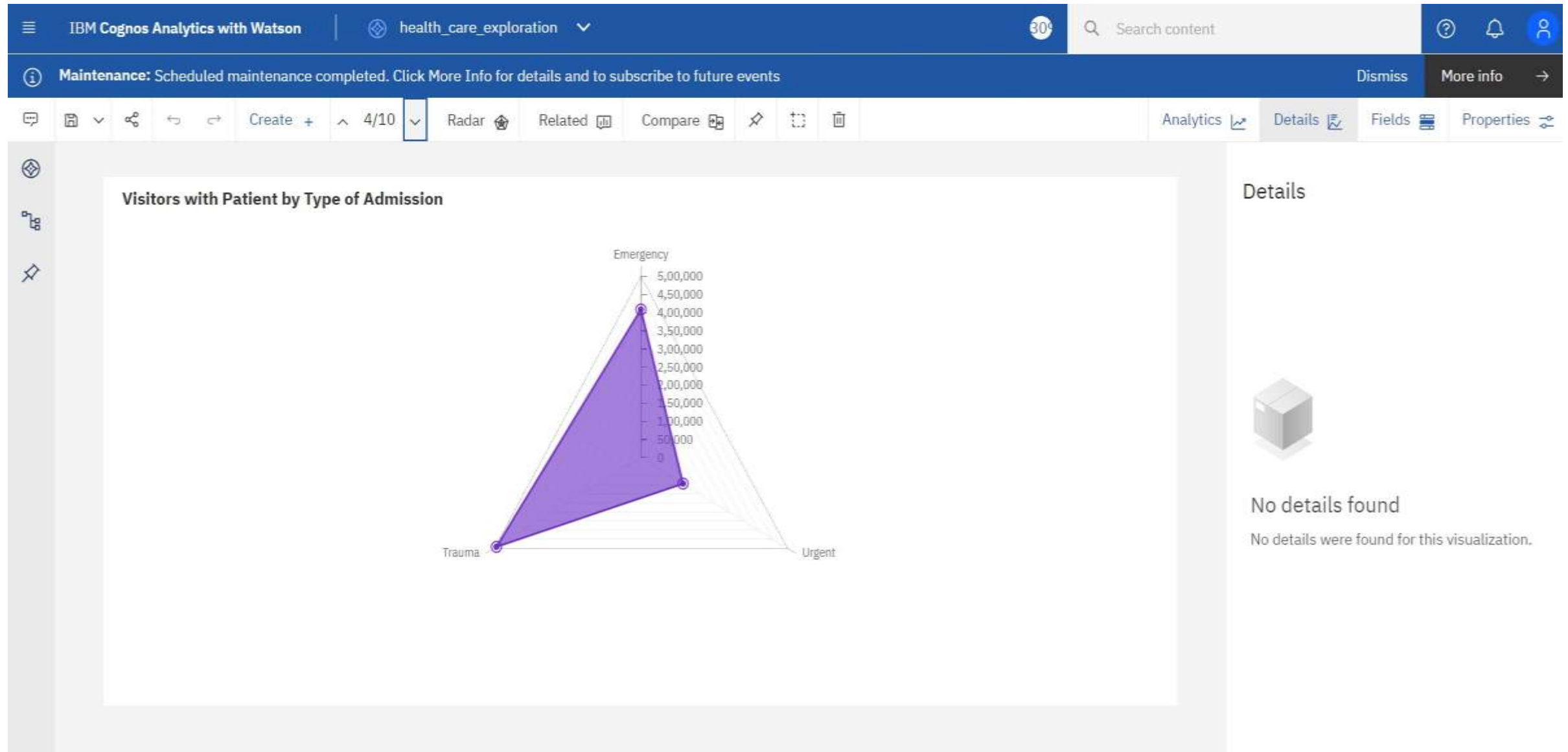
Ward_Type for Ward_Facility_Code:



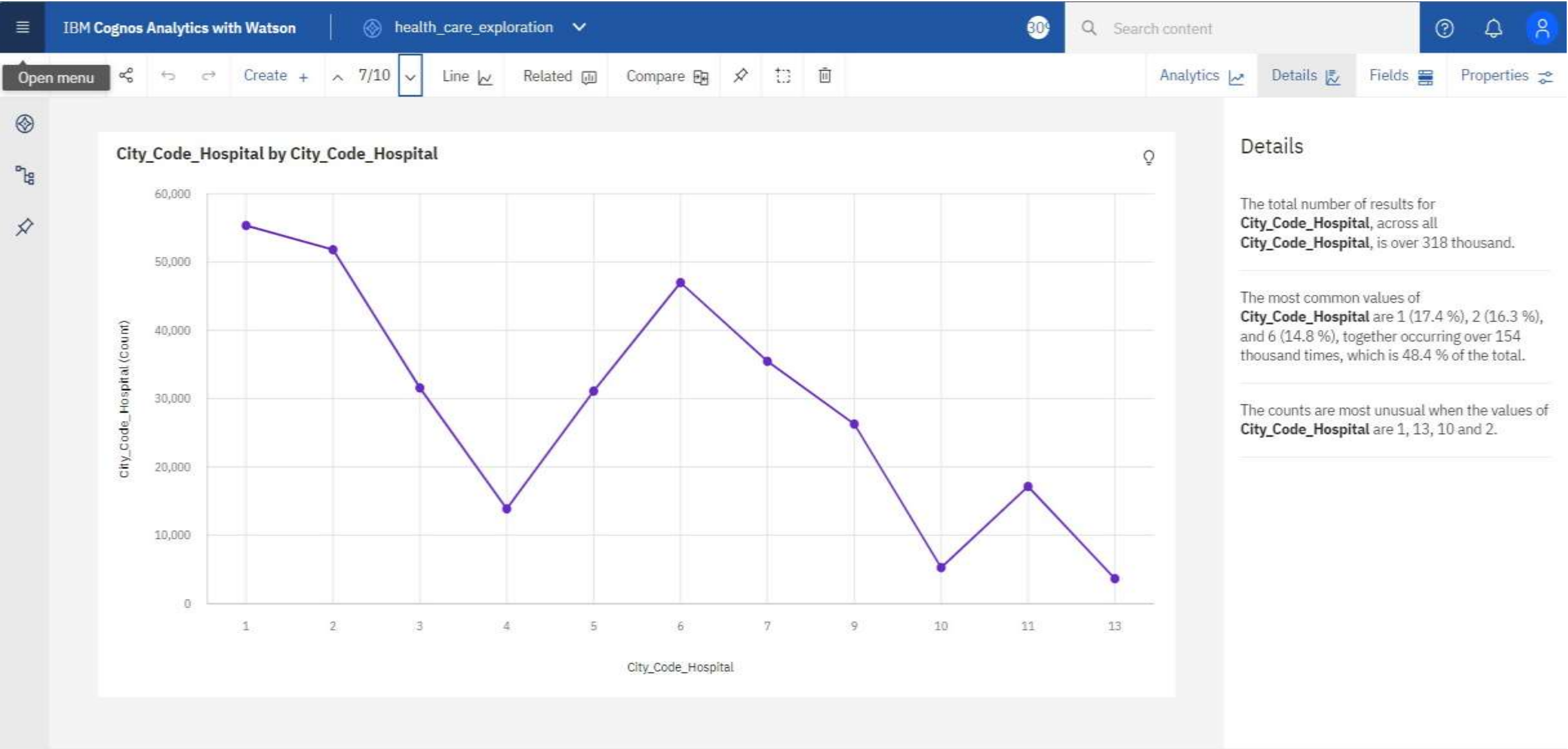
case_id by patient id:



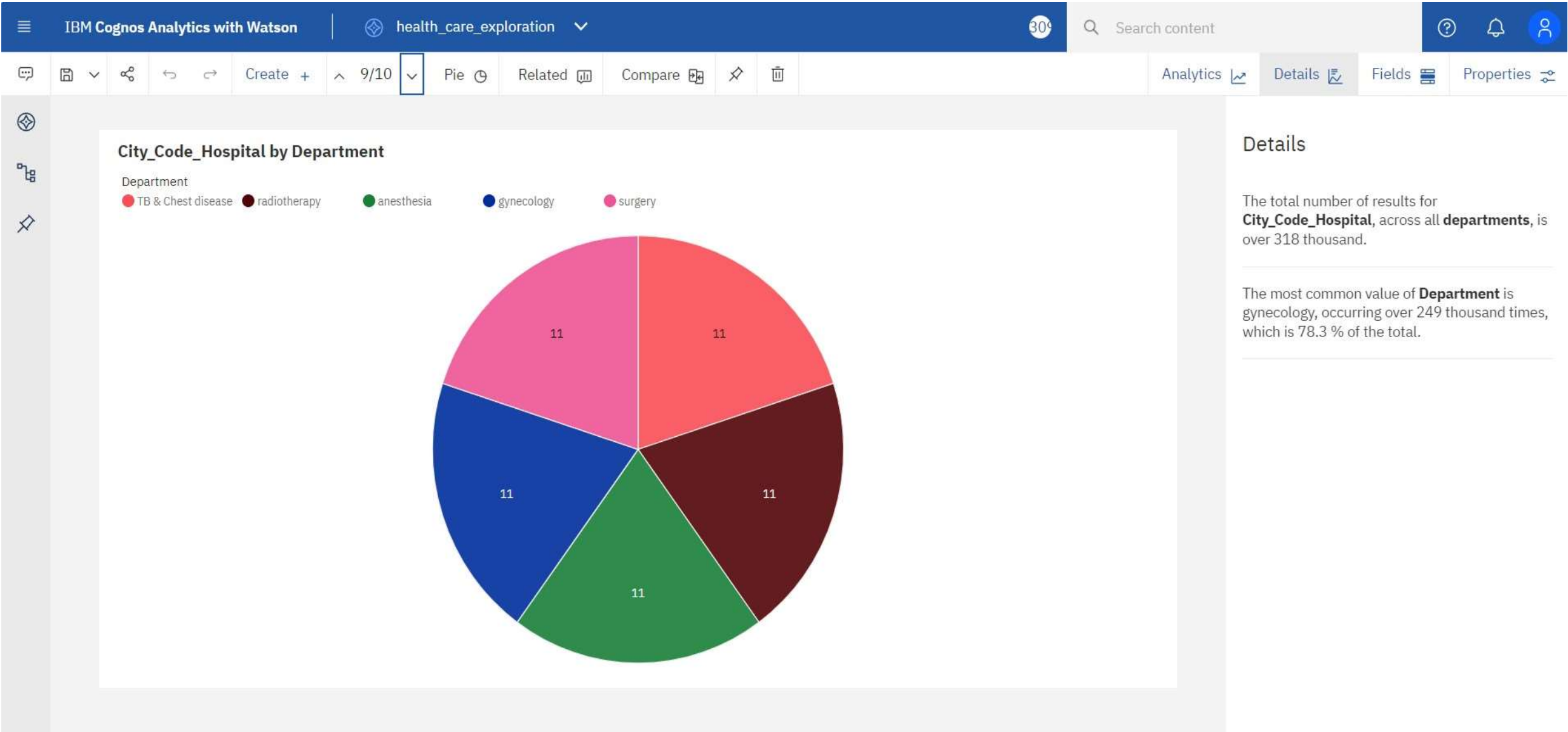
Visitors with Patient by Type of Admission:



City_Code_Hospital by City_Code_Hospital:

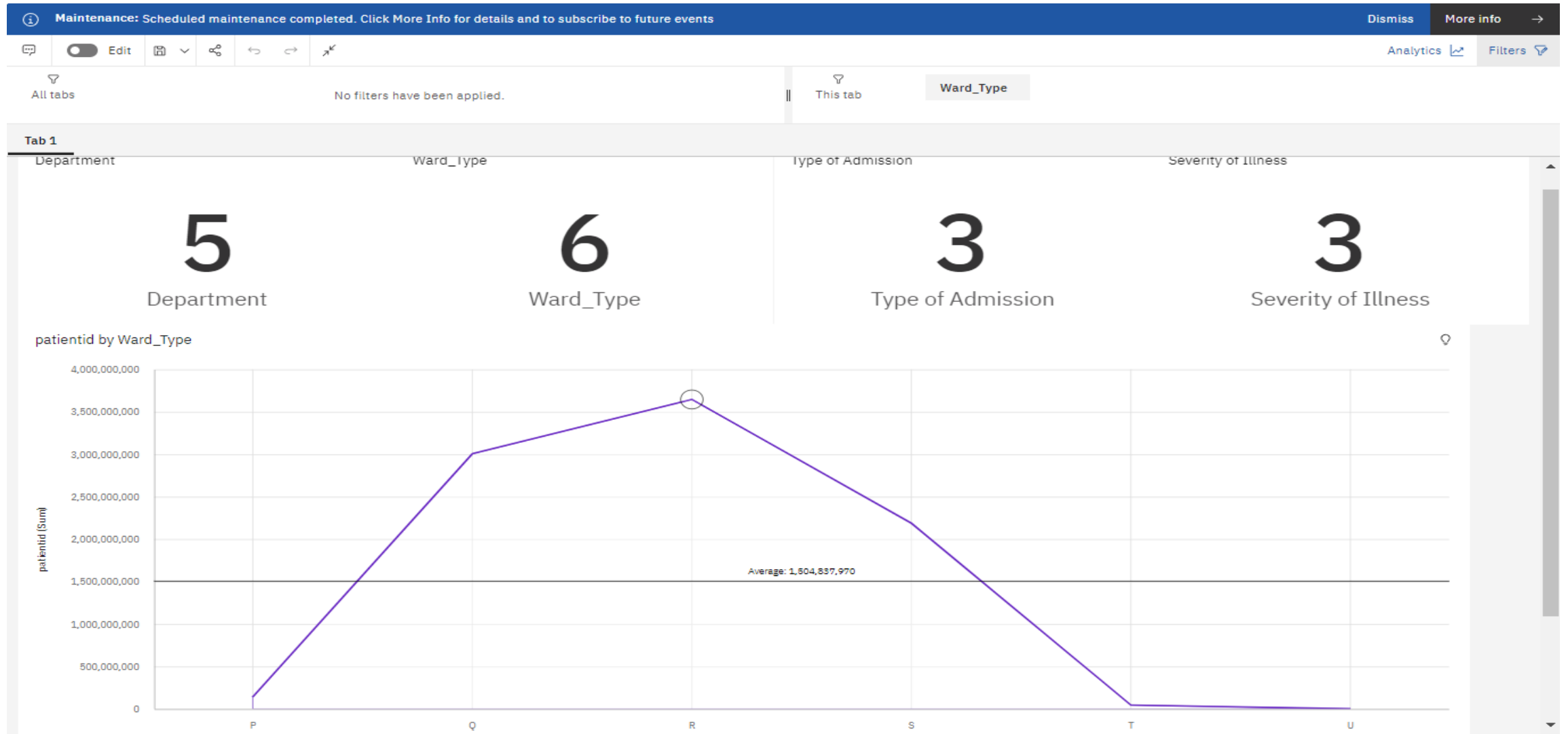


City_Code_Hospital by Department:

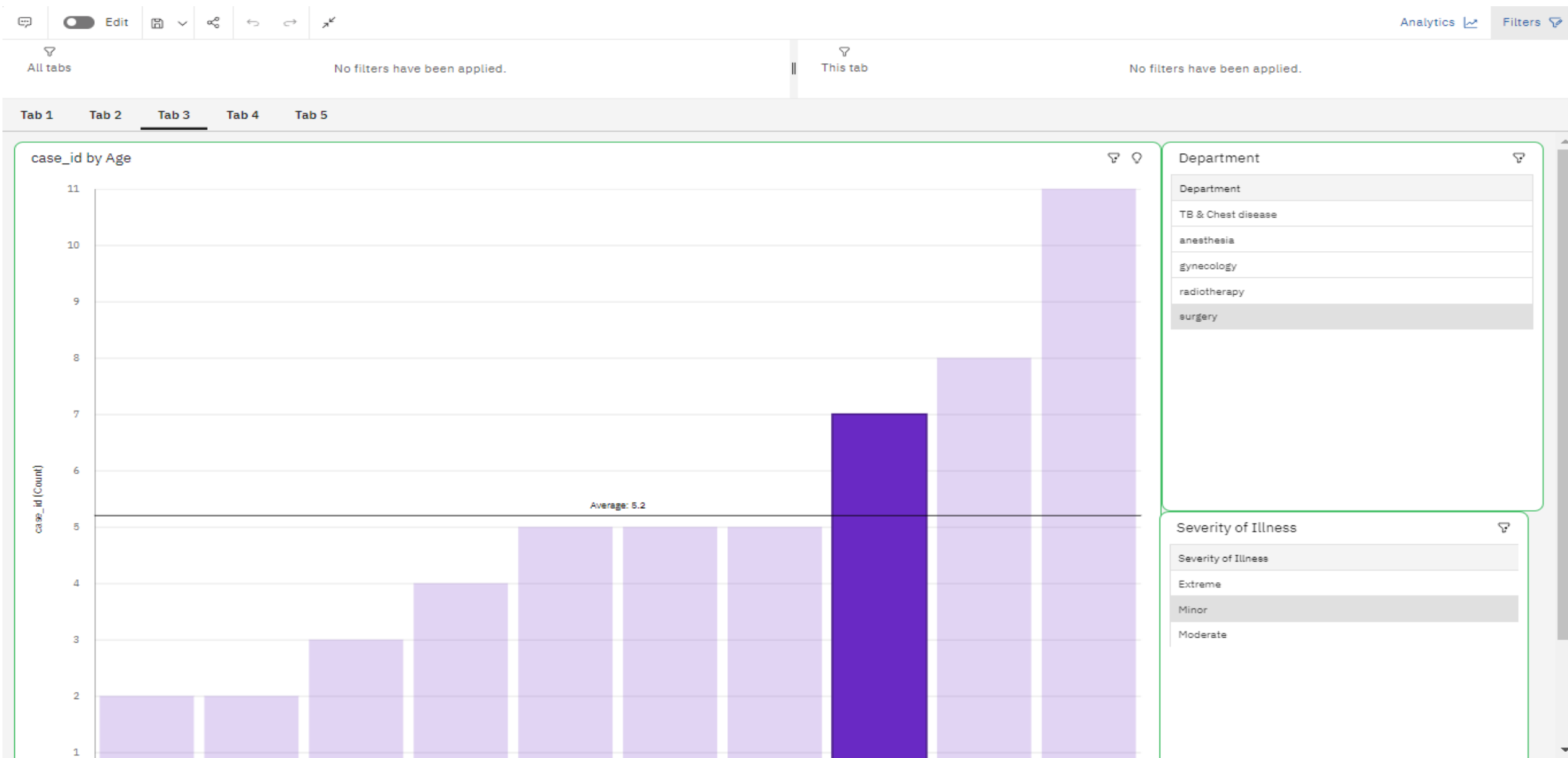


DATA VISUALIZATIONS

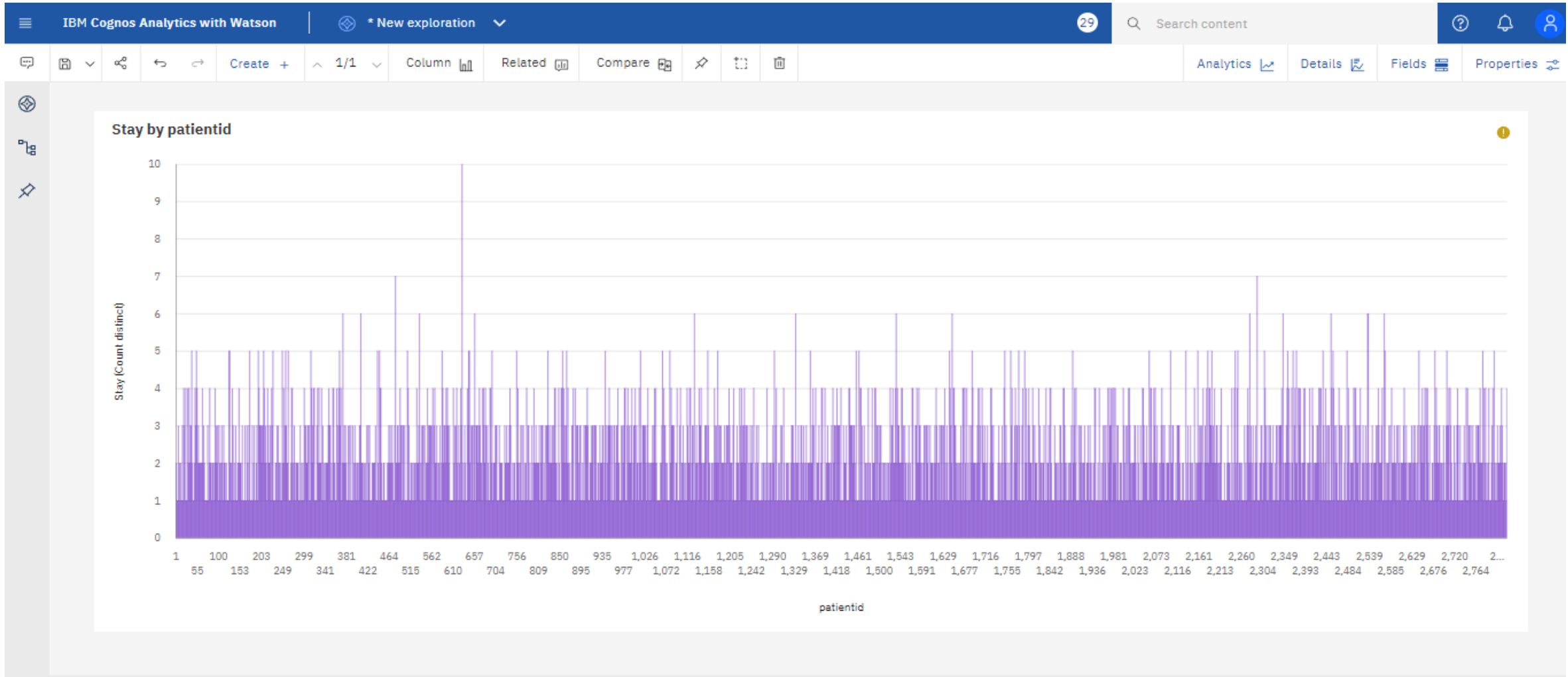
1. NUMBER OF PATIENTS BY WARD TYPE



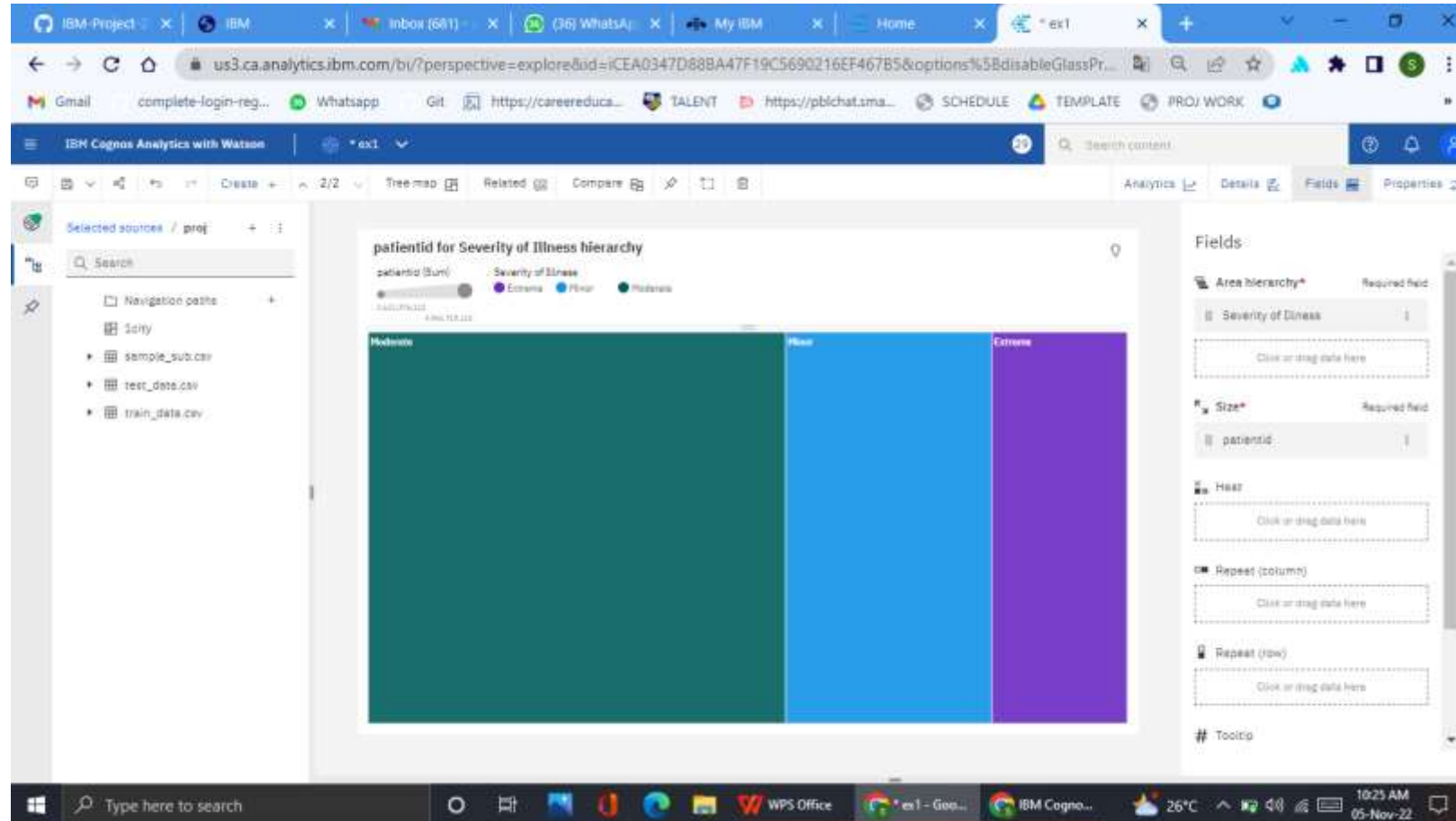
AGE WISE PATIENTS WITH DEPARTMENT AND SEVERITY OF ILLNESS



STAY BY PATIENT ID



SEVERITY OF ILLNESS BY PATIENT-ID USING TREE MAP



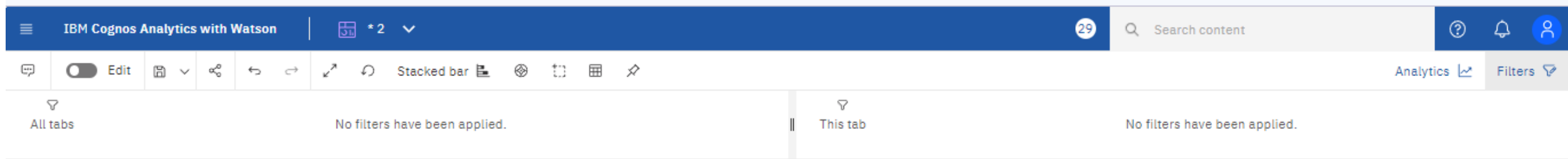
AGE AND DEPARTMENT WISE PATIENT USING TABLE

The screenshot displays the IBM Cognos Analytics interface. The browser address bar shows the URL: us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr.... The interface includes a search bar with the text "Search content" and a navigation menu with options like "Analytics", "Details", "Fields", and "Properties".

The main content area displays a table titled "Department and Age". The table has two columns: "Age" and "Department". The data is organized into three rows based on age groups: "31-40", "41-50", and "51-60". Each age group row contains a list of departments: "anesthesia", "gynecology", "radiotherapy", "surgery", and "TB & Chest disease".

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

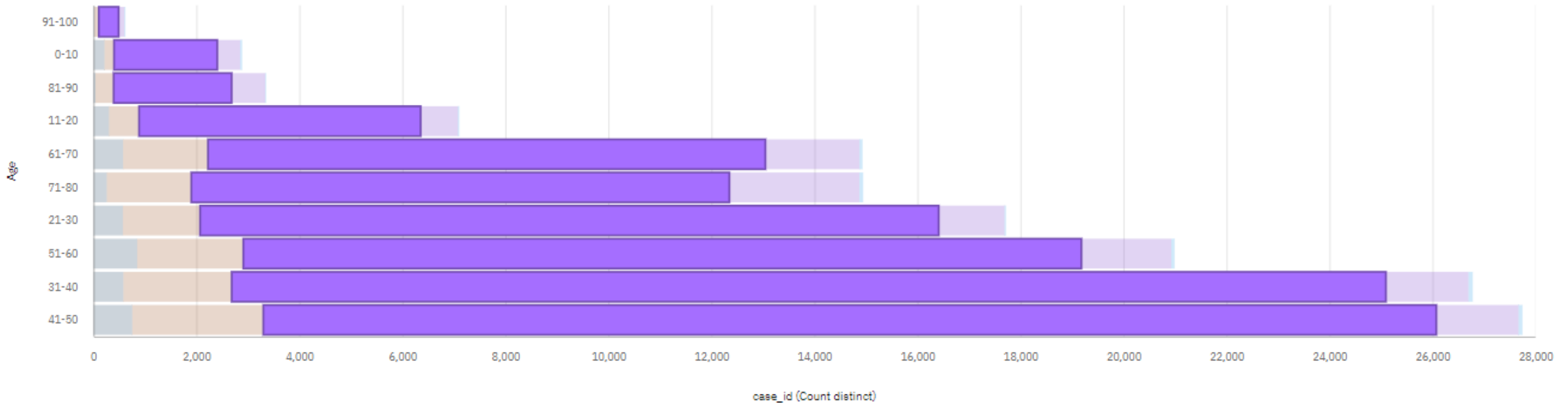
CASE ID BY AGE COLOURED BY DEPARTMENT



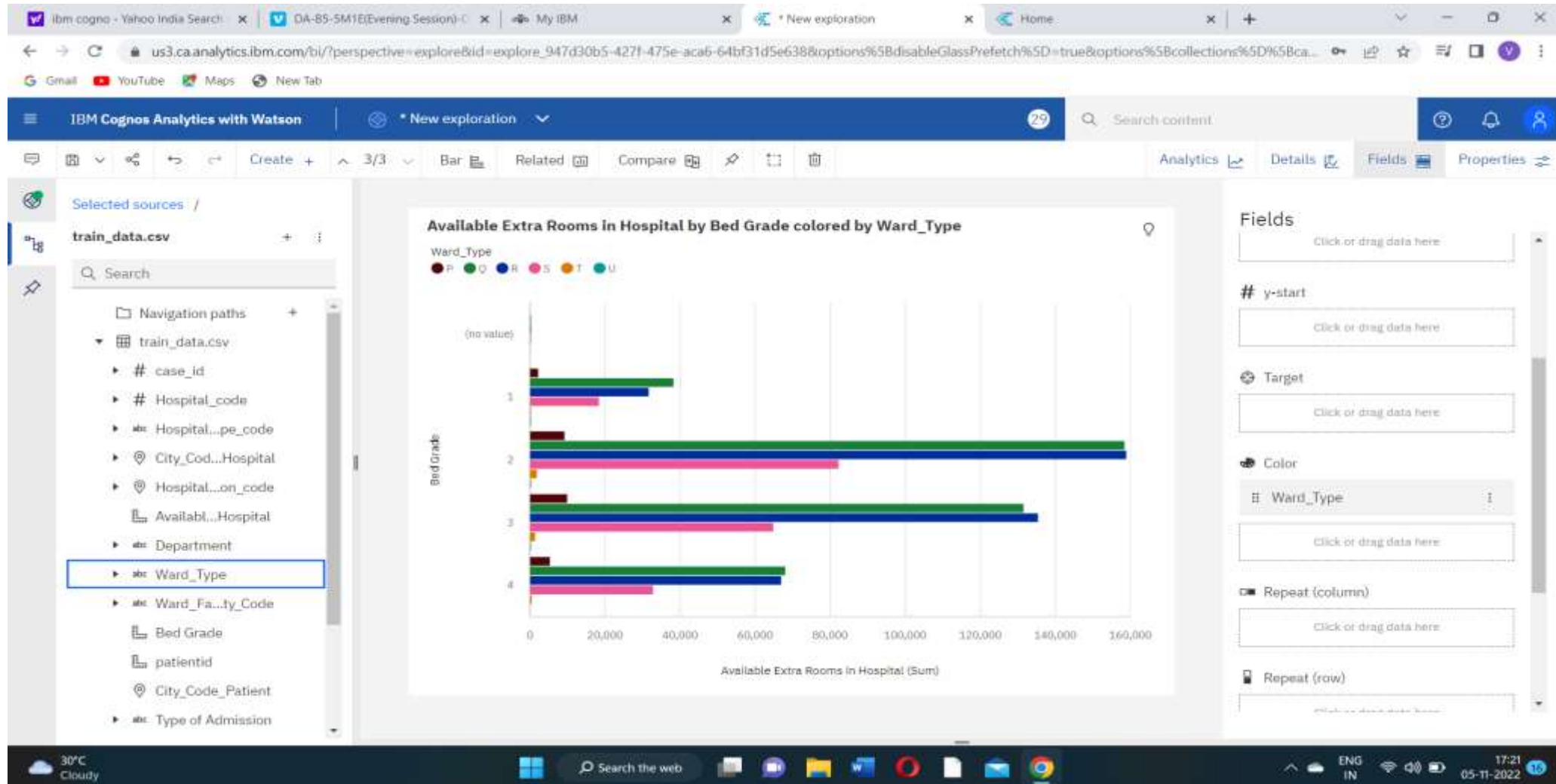
case_id by Age colored by Department

Department

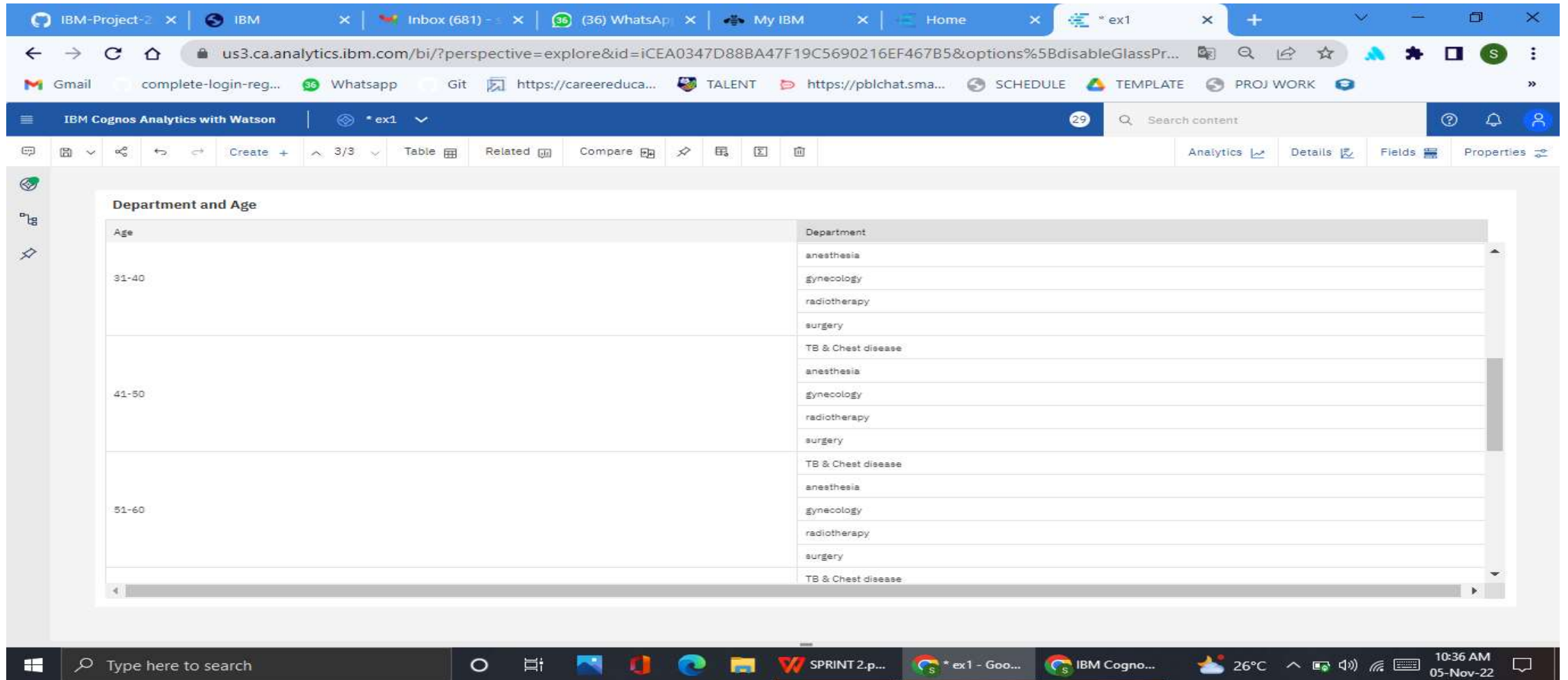
- TB & Chest disease
- anesthesia
- gynecology
- radiotherapy
- surgery



AVAILABILITY OF EXTRA BEDS IN HOSPITAL BY BED GRADE



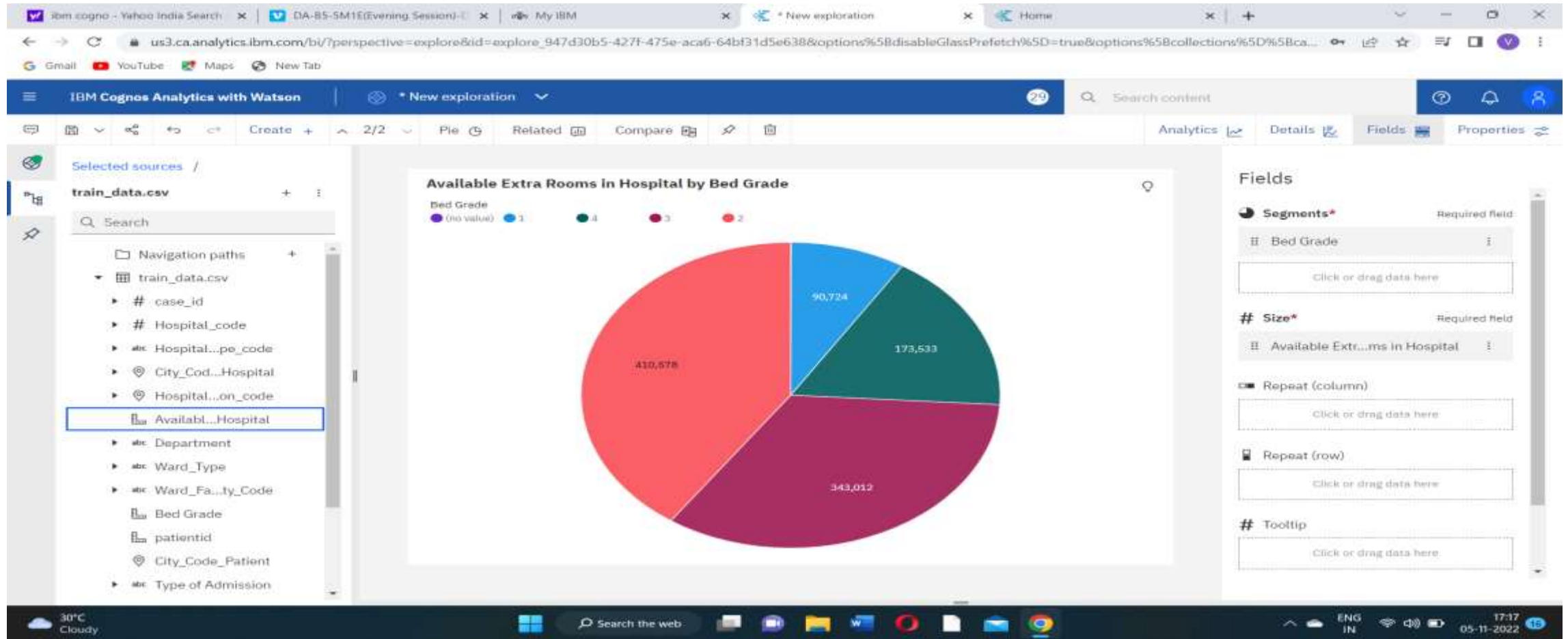
AGE AND DEPARTMENT WISE PATIENT USING TABLE



The screenshot displays the IBM Cognos Analytics web interface. The browser's address bar shows the URL: <https://us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...>. The interface includes a top navigation bar with the title 'IBM Cognos Analytics with Watson' and a search bar. Below this is a toolbar with various icons for creating, navigating, and analyzing data. The main content area features a table titled 'Department and Age'. The table has two columns: 'Age' and 'Department'. The 'Age' column is divided into three sections: '31-40', '41-50', and '51-60'. The 'Department' column lists various medical departments: 'anesthesia', 'gynecology', 'radiotherapy', 'surgery', and 'TB & Chest disease'. The table is presented in a grid format with a scrollable 'Department' column.

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

AVAILABILITY OF EXTRA ROOMS BY BED GRADE



WARD TYPE FOR BED GRADE AND AVAILABLE EXTRA ROOMS

The screenshot displays the IBM Cognos Analytics interface. On the left, the 'Selected sources' panel shows a file named 'train_data.csv' with various fields listed, including 'Ward_Type', 'Bed Grade', and 'Available Extra Rooms in Hospital'. The main area features a table titled 'Ward_Type for Bed Grade and Available Extra Rooms in Hospital'. The table has columns for 'Ward_Type', four unnamed columns (1, 2, 3, 4), and a 'Summary' column. The data is organized into rows, with some rows containing '(no value)' for certain columns. On the right, the 'Fields' panel shows the 'Columns' section with 'Bed Grade' and 'Available Extra Rooms in Hospital' listed. The 'Rows' section is empty. The 'Values' section shows 'Ward_Type' as a required field. The 'Local filters' section is also empty.

Ward_Type	1	2	3	4	Summary
0	(no value)		3	2	1
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