

PROJECT DEVELOPMENT PHASE

SPRINT DELIVERY -2

TEAM ID : PNT2022TMID01180

BATCH NO : B5-5M1E

PROJECT : Analytics for

Hospitals Health-Care Data

DATE : 5 NOV 2022



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

PROJECT CONTRIBUTORS

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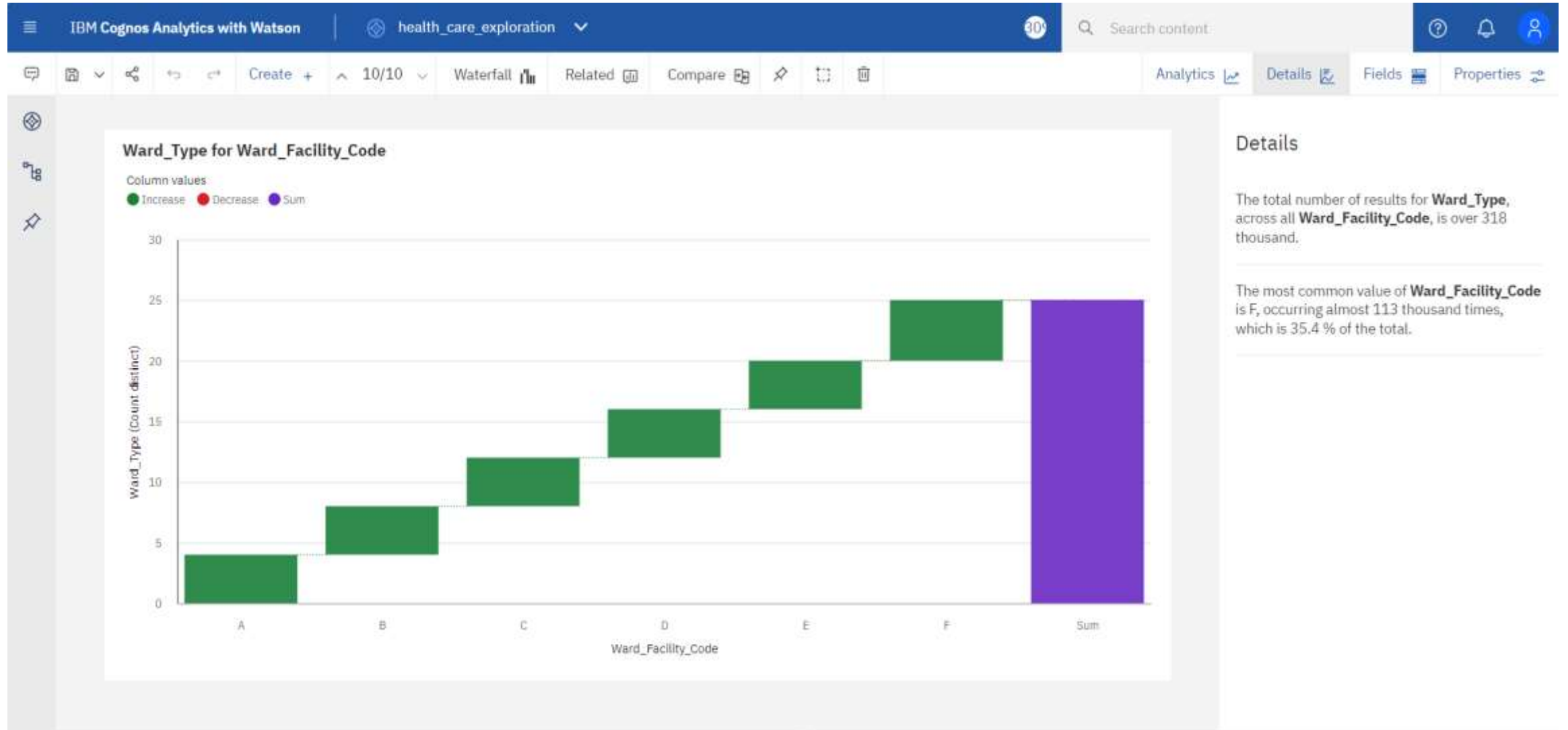
TEAM ID-PNT2022TMID01180

Project Development Phase

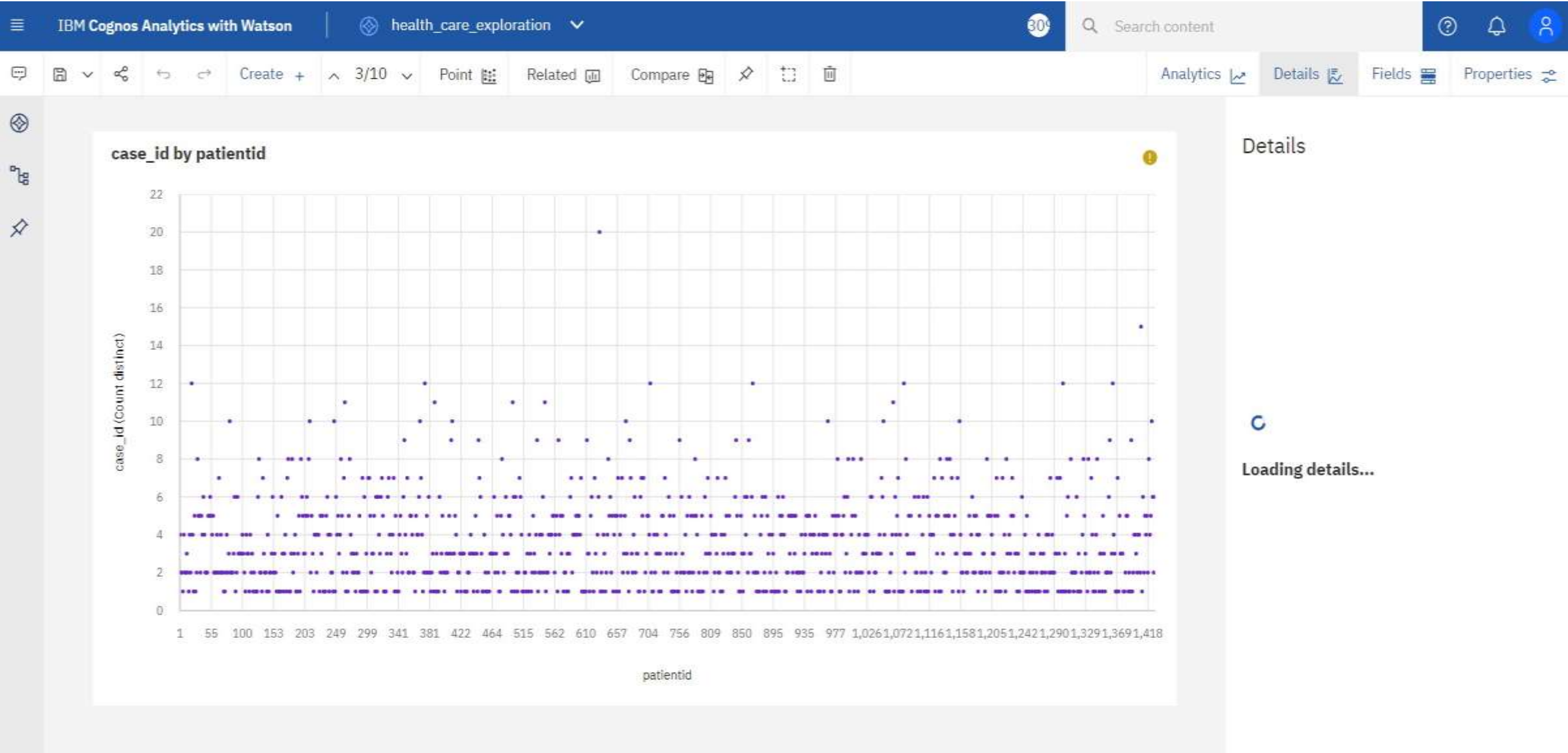
Sprint-1: <ul style="list-style-type: none">✓ Data Collection✓ Loading of data✓ Data Preparation	Sprint-3: <ul style="list-style-type: none">✓ Dashboard Creation
Sprint-2: <ul style="list-style-type: none">✓ Data Exploration✓ Data Visualization	Sprint-4: <ul style="list-style-type: none">✓ Report Creation✓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

DATA EXPLORATION

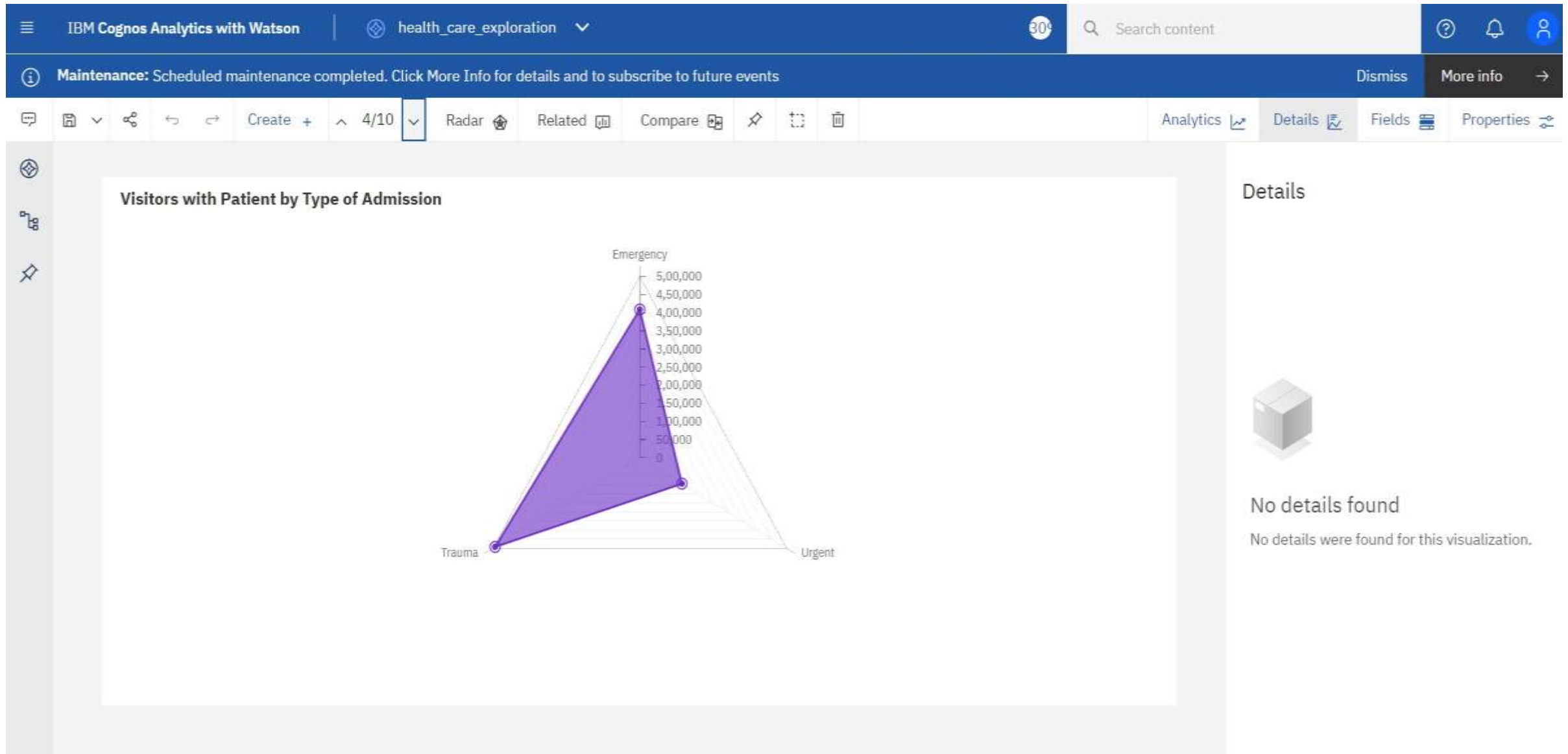
Ward_Type for Ward_Facility_Code:



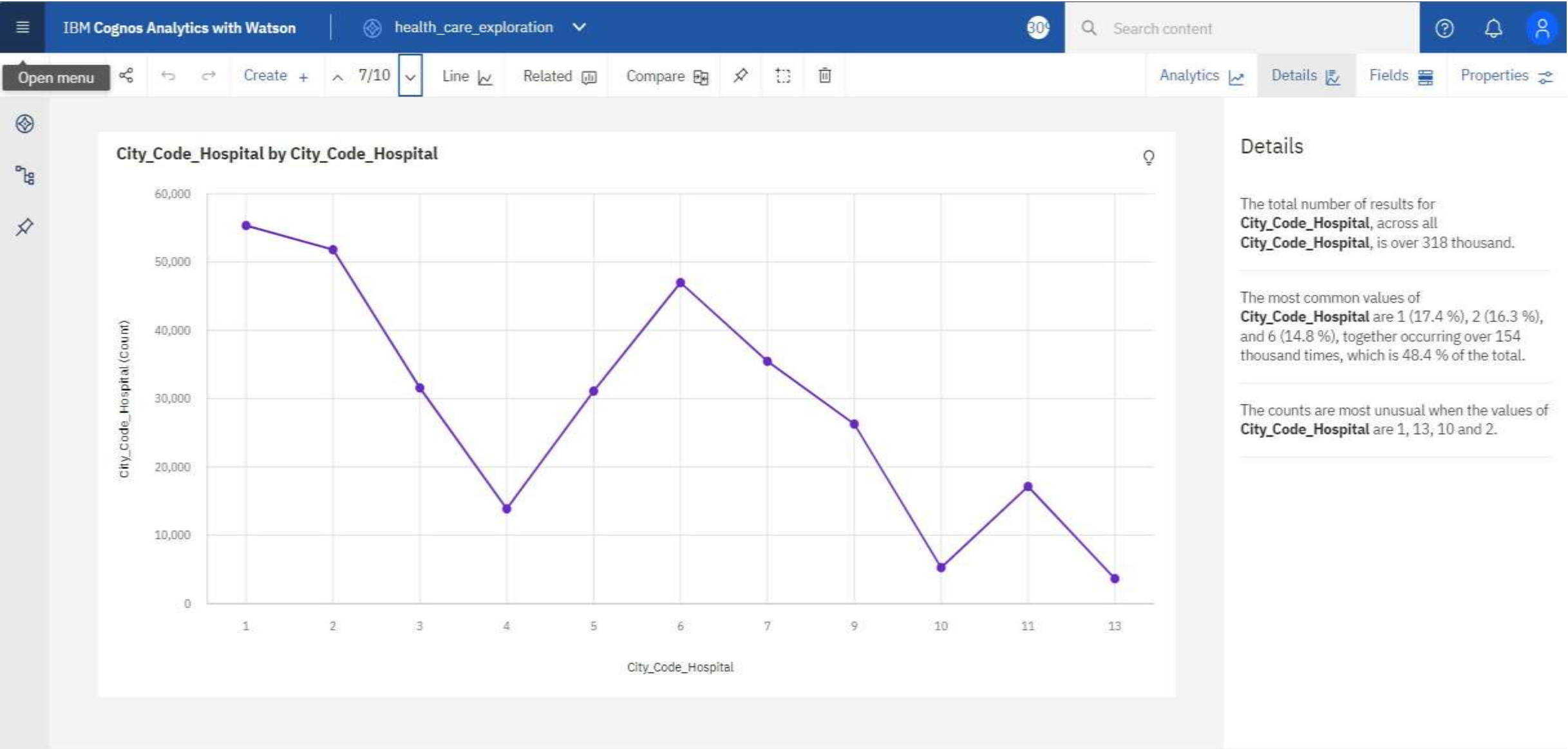
case_id by patient id:



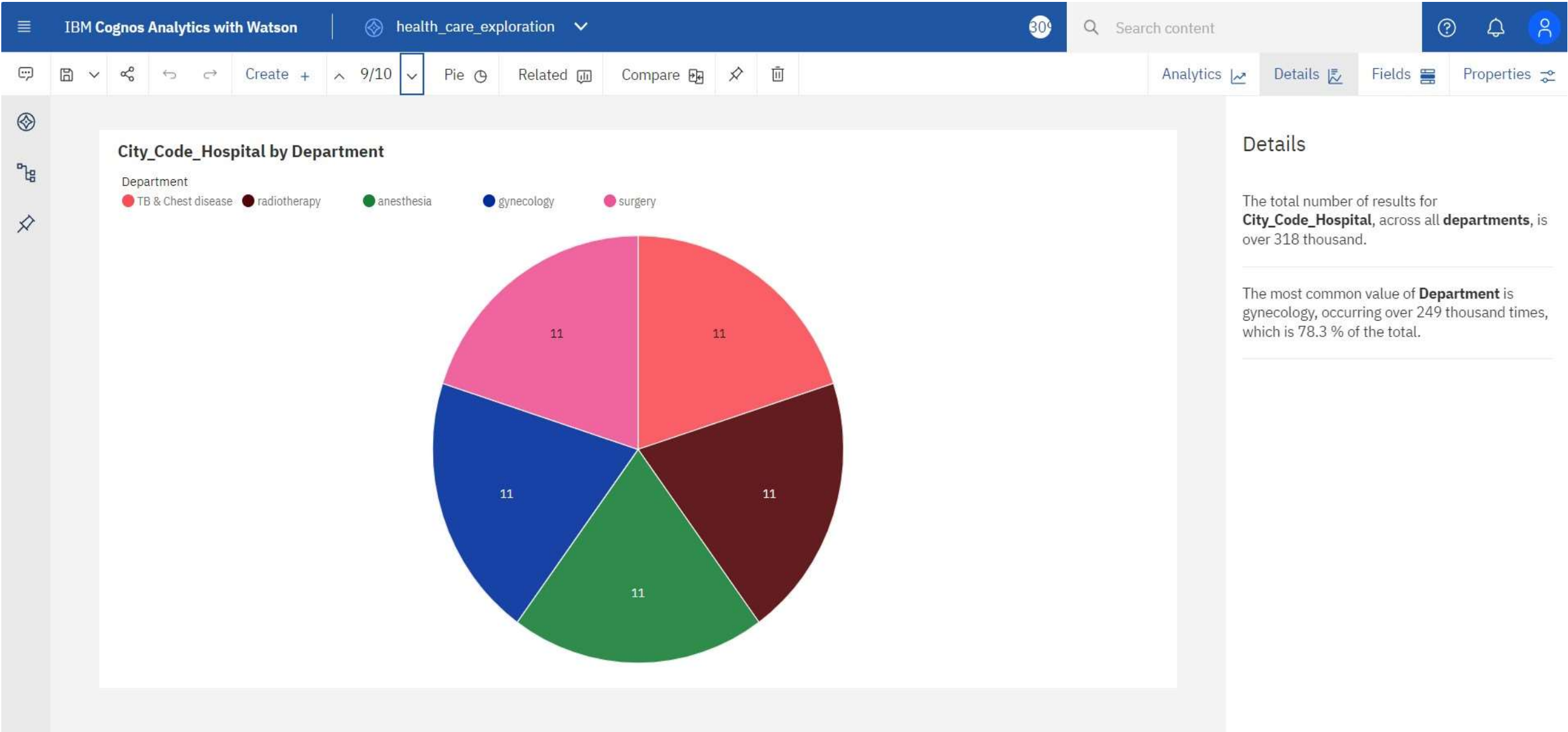
Visitors with Patient by Type of Admission:



City_Code_Hospital by City_Code_Hospital:

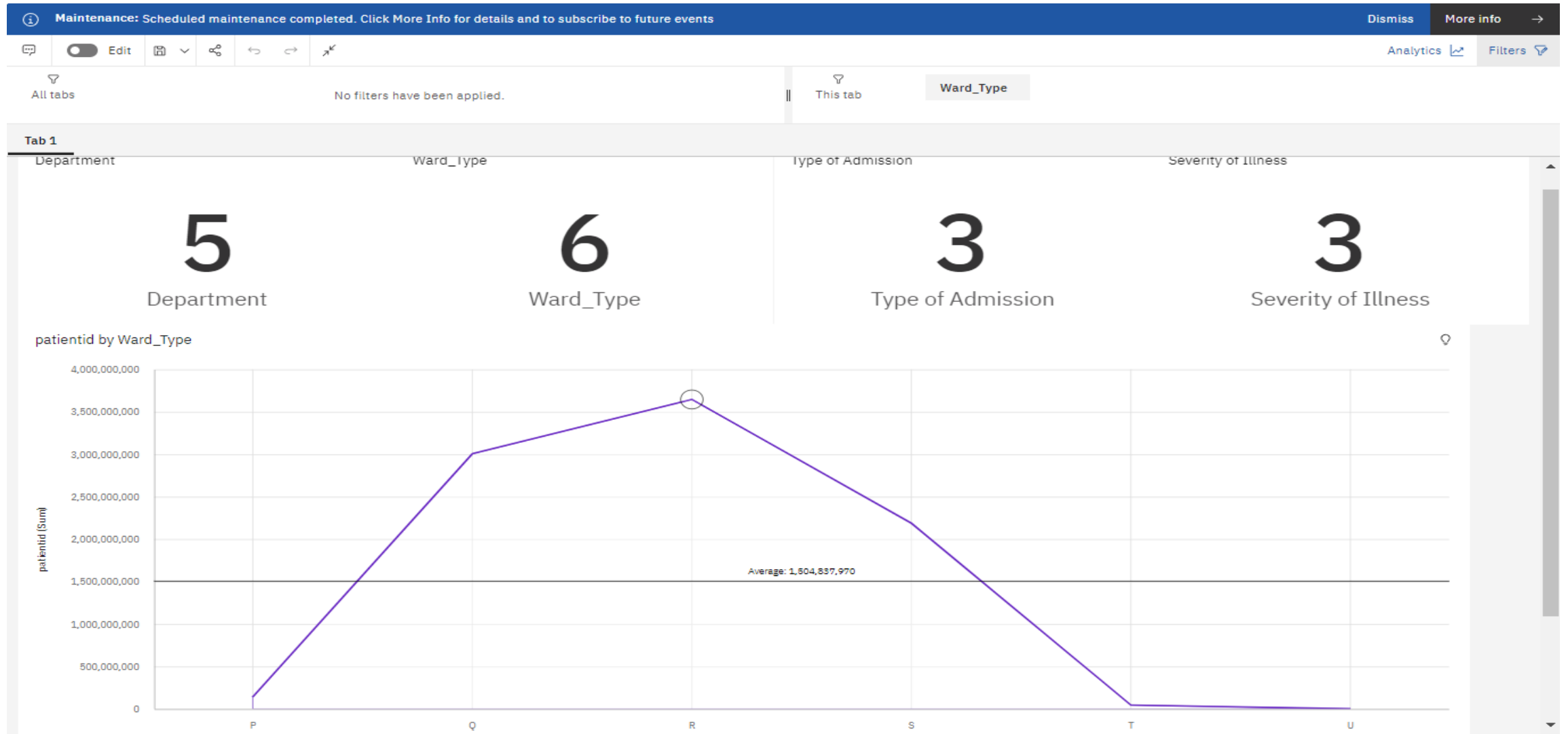


City_Code_Hospital by Department:

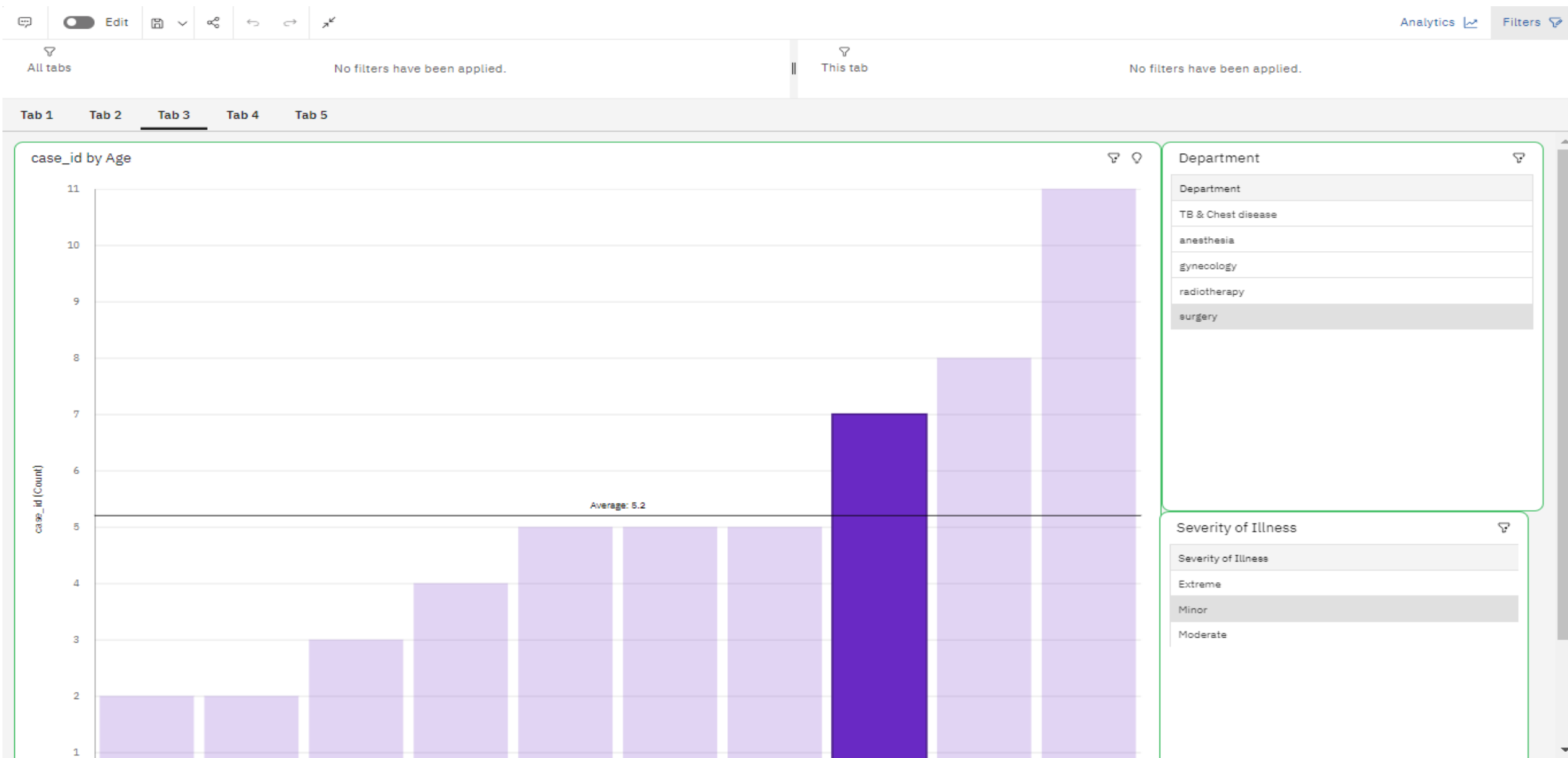


DATA VISUALIZATIONS

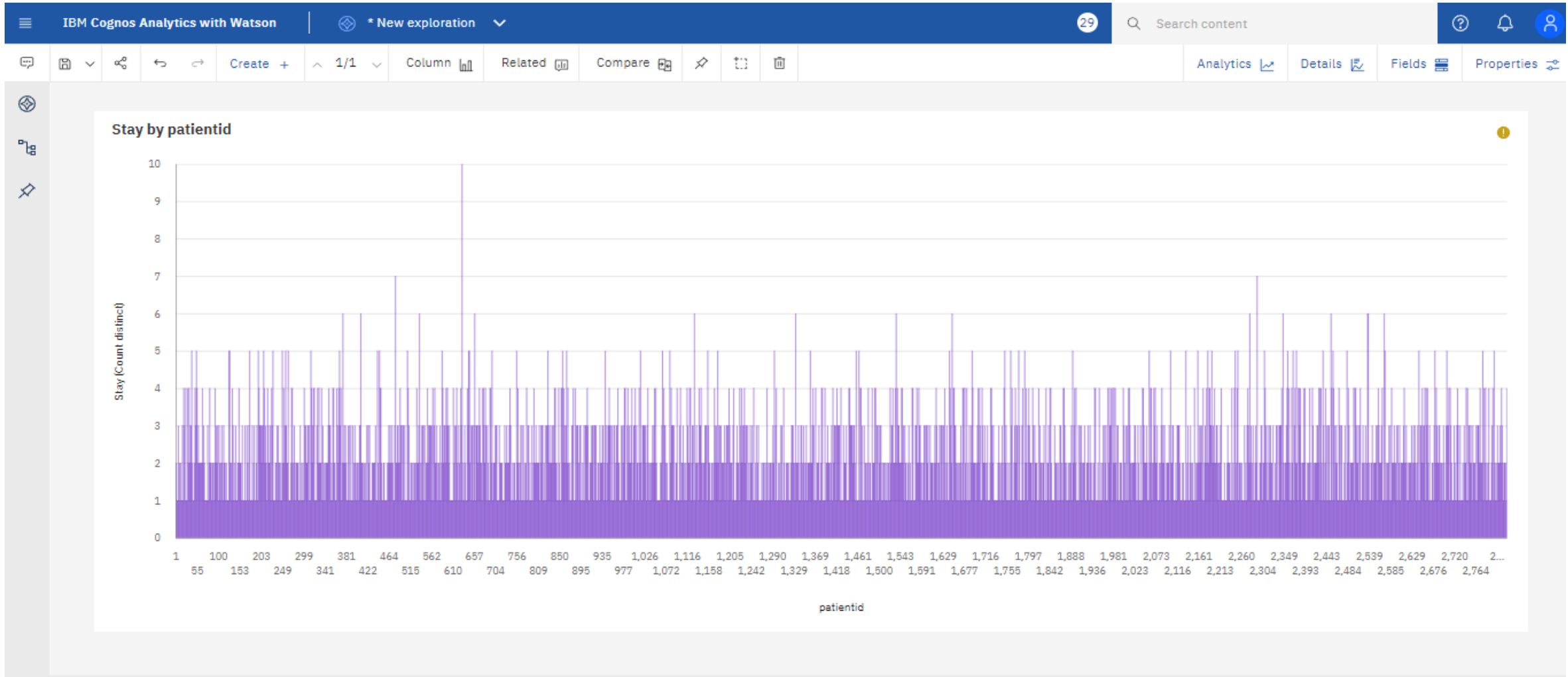
1. NUMBER OF PATIENTS BY WARD TYPE



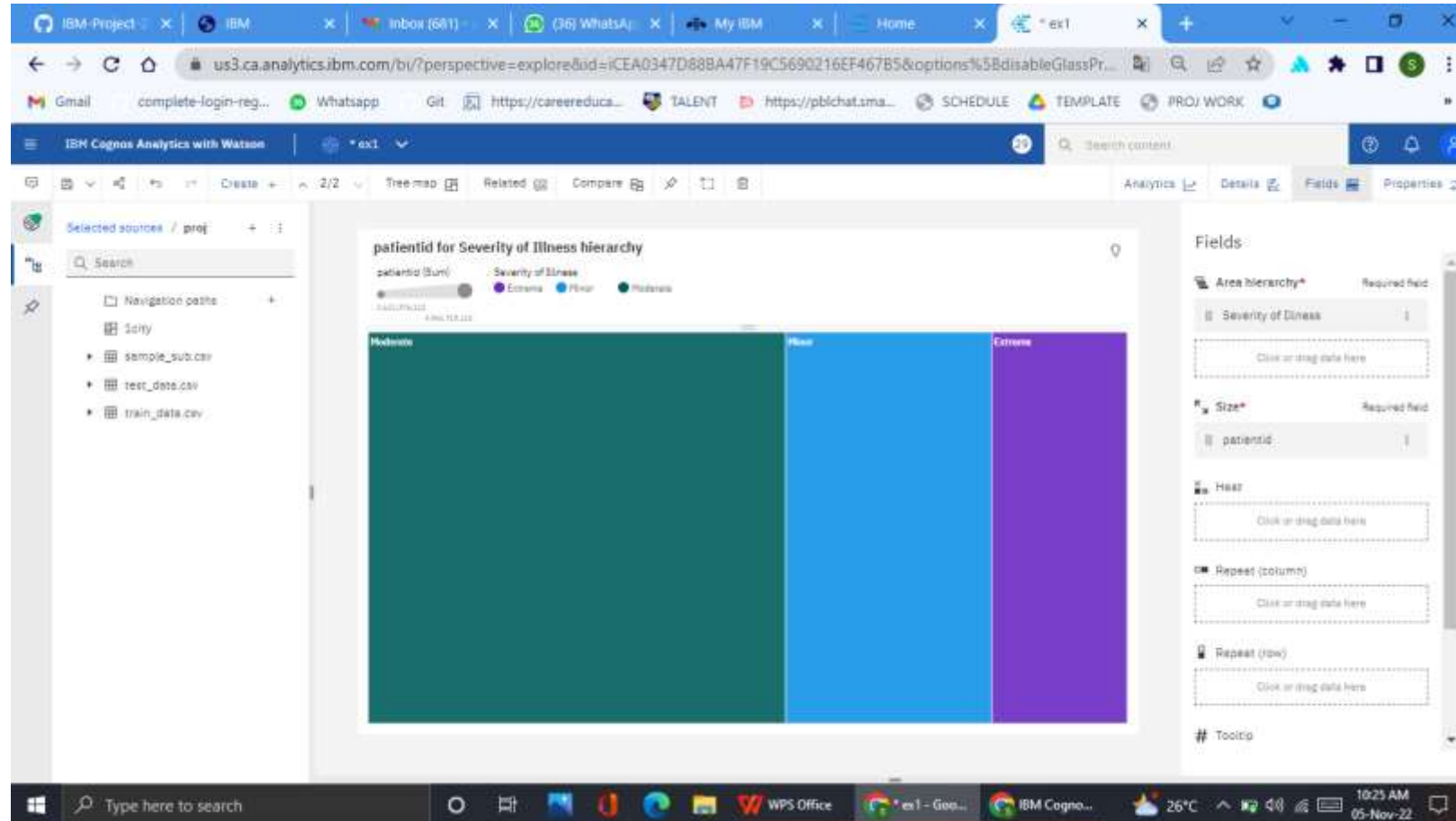
AGE WISE PATIENTS WITH DEPARTMENT AND SEVERITY OF ILLNESS



STAY BY PATIENT ID



SEVERITY OF ILLNESS BY PATIENT-ID USING TREE MAP



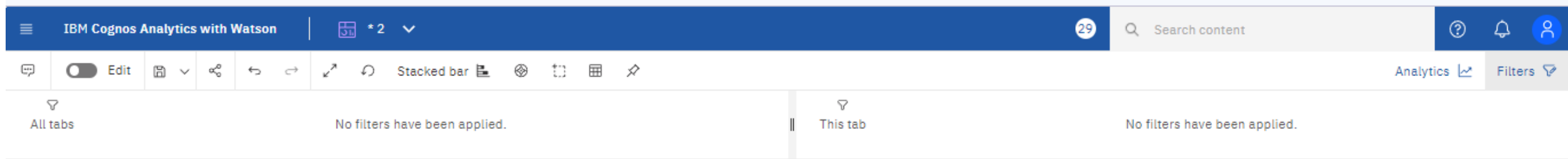
AGE AND DEPARTMENT WISE PATIENT USING TABLE

The screenshot displays the IBM Cognos Analytics web interface. The browser's address bar shows the URL: `us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...`. The interface includes a top navigation bar with the text 'IBM Cognos Analytics with Watson' and a search bar. Below this is a toolbar with various icons and a 'Create +' button. The main content area features a table titled '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

The table is presented in a pivot table format, with 'Age' as the row dimension and 'Department' as the column dimension. The departments listed are anesthesia, gynecology, radiotherapy, surgery, and TB & Chest disease. The interface also shows a taskbar at the bottom with various application icons and system information like the time (10:36 AM) and date (05-Nov-22).

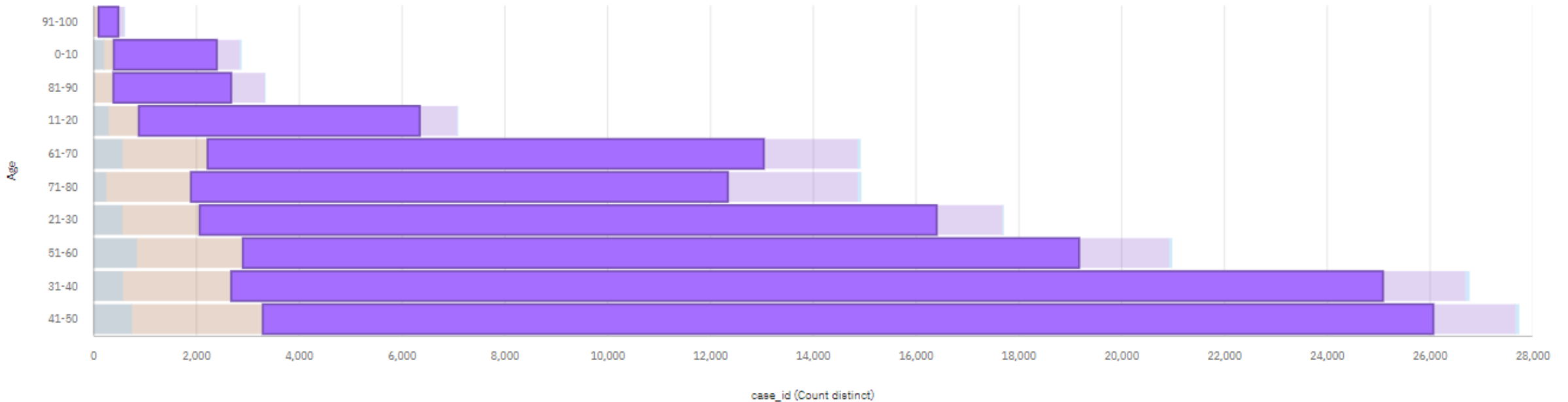
CASE ID BY AGE COLOURED BY DEPARTMENT



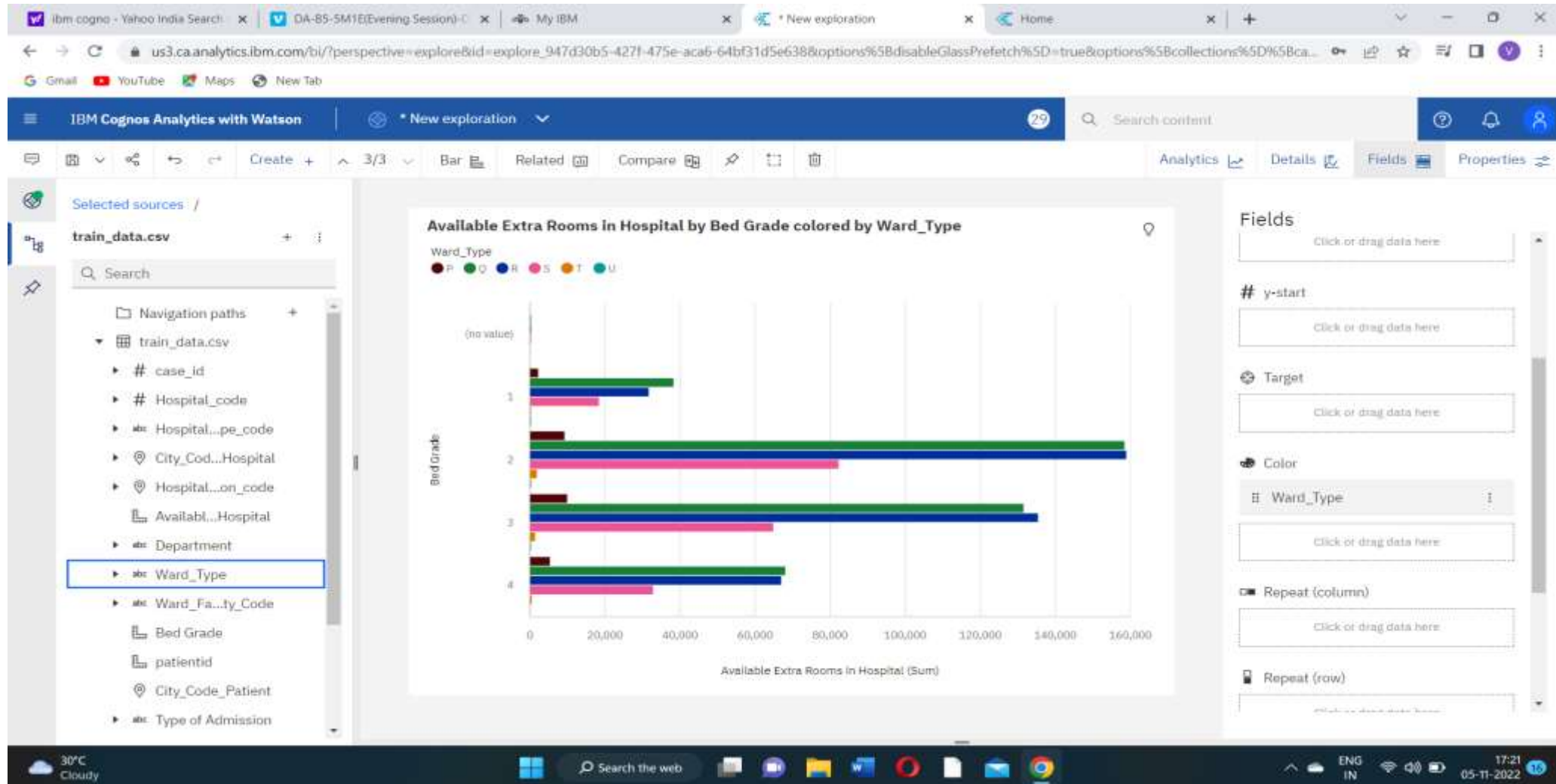
case_id by Age colored by Department

Department

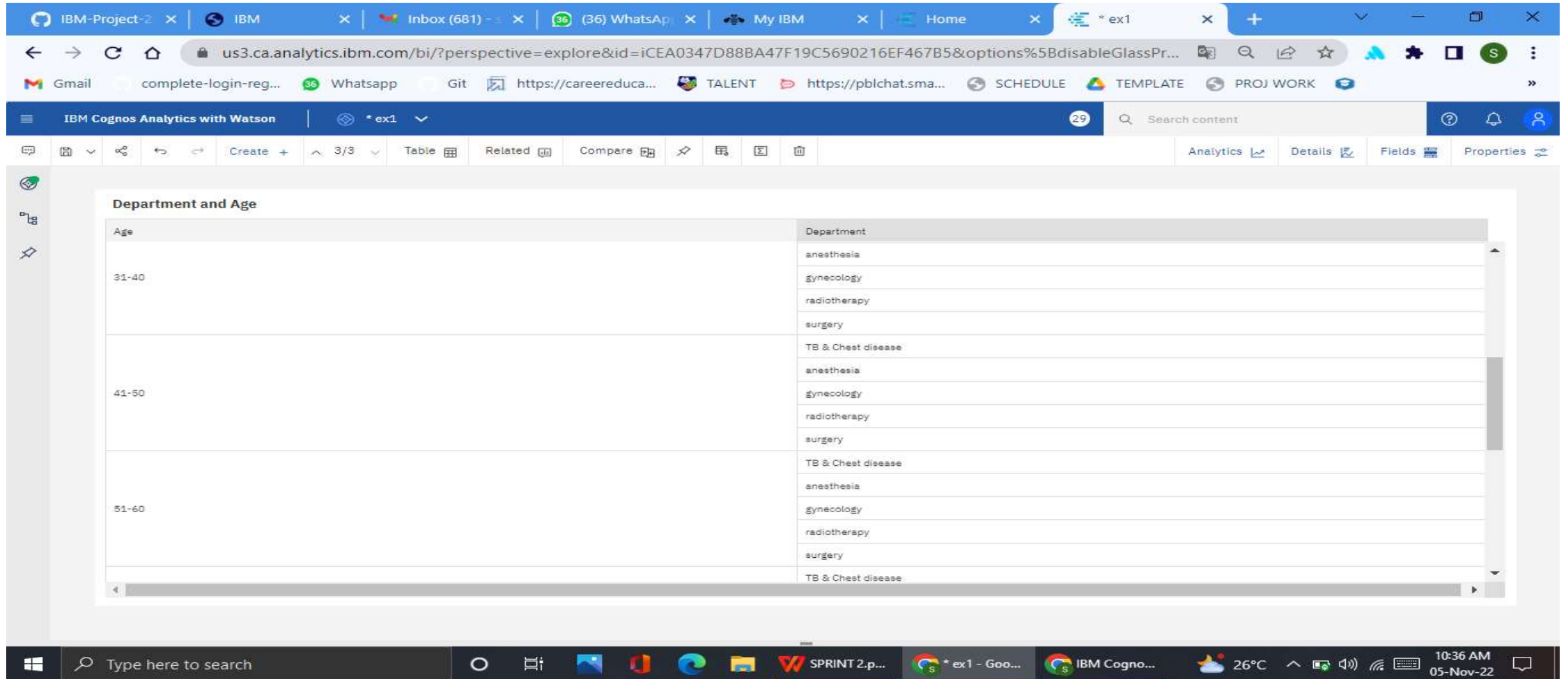
- TB & Chest disease
- anesthesia
- gynecology
- radiotherapy
- surgery



AVAILABILITY OF EXTRA BEDS IN HOSPITAL BY BED GRADE



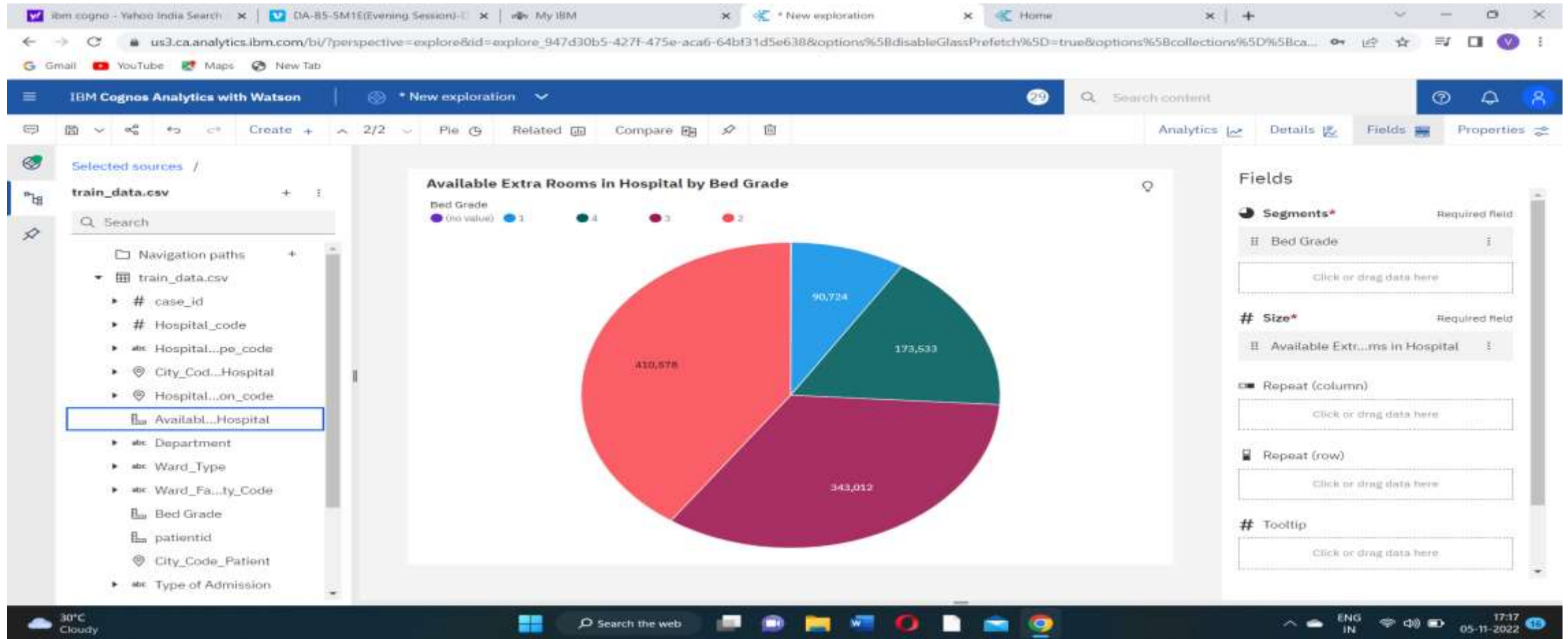
AGE AND DEPARTMENT WISE PATIENT USING TABLE



The screenshot displays the IBM Cognos Analytics interface. The browser's address bar shows the URL: <https://us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...>. The application header includes the IBM Cognos Analytics logo, a search bar, and a user profile icon. The main content area features a table titled "Department and Age". The table has two columns: "Age" and "Department". The "Age" column lists three age ranges: "31-40", "41-50", and "51-60". The "Department" column lists five departments: "anesthesia", "gynecology", "radiotherapy", "surgery", and "TB & Chest disease". The table is displayed in a grid view, and the interface includes various navigation and tool icons.

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' pane shows a file named 'train_data.csv' with various fields listed, including 'Ward_Type', 'Bed Grade', and 'Available Extra Rooms in Hospital'. The main workspace shows 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 as follows:

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

On the right, the 'Fields' pane 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.