

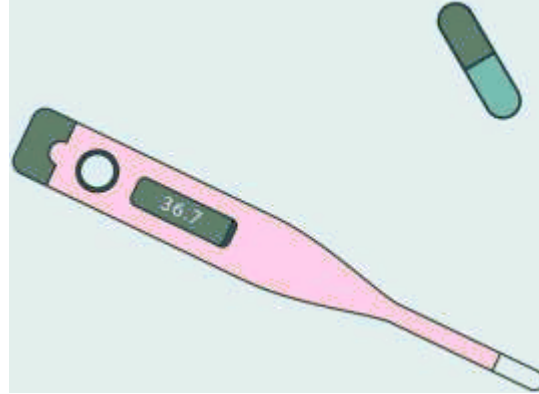
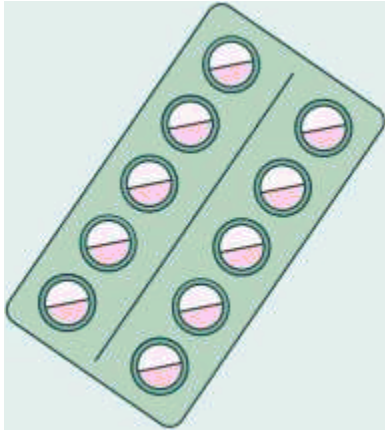
# **PROJECT DEVELOPMENT PHASE**

## **SPRINT DELIVERY -2**

**TEAM ID : PNT2022TMID28169**

**PROJECT : Analytics for  
Hospitals Health-Care Data**

**DATE : 5 NOV 2022**



# ANALYTICS FOR HOSPITALS

## HEALTH - CARE DATA

PROJECT CONTRIBUTOR:5

SWARNALATHA 5'

"SAGDAR,.SOGH.R?\ SAMR'EE'N

PO'OJA K'.

VINEETA.M.R

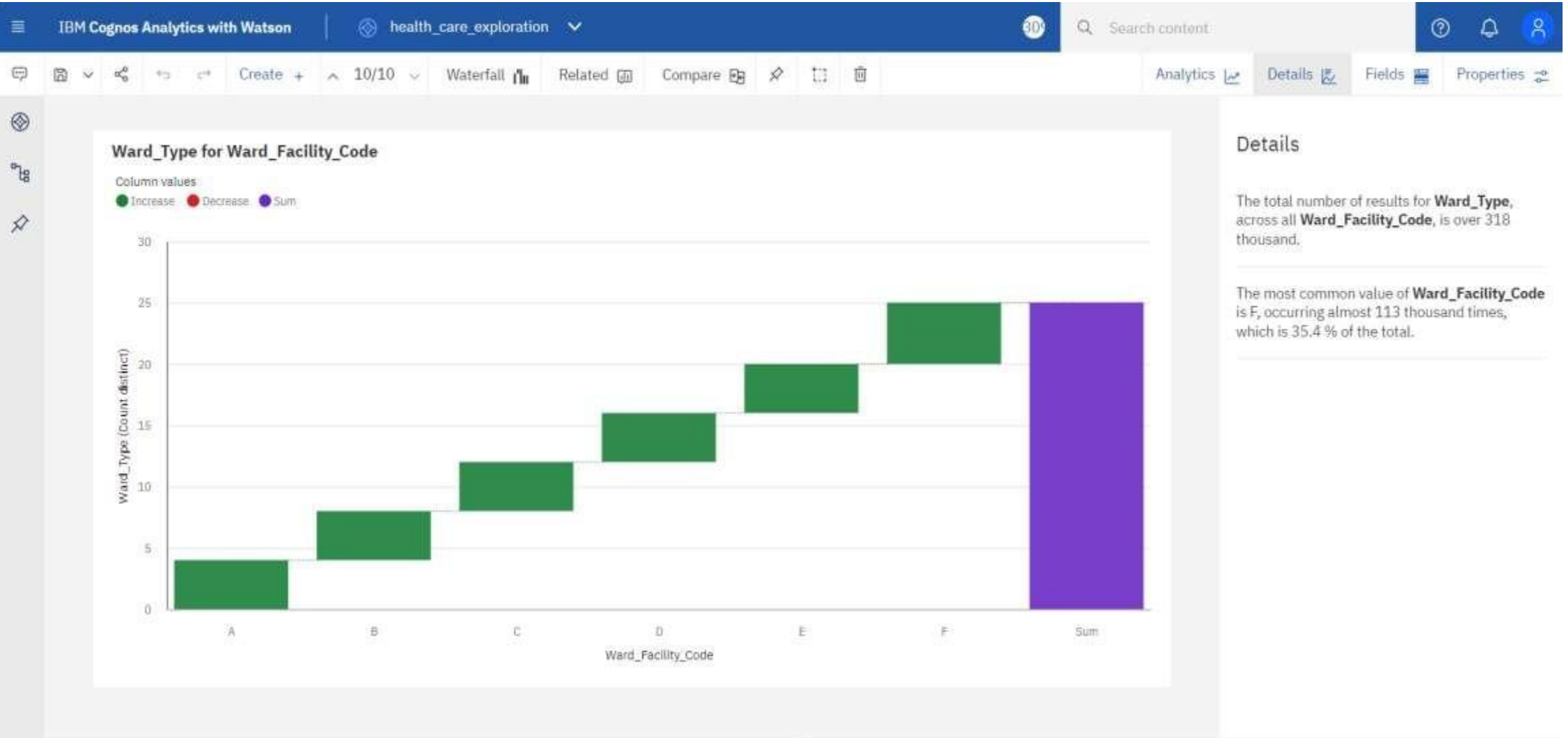


TEAM ,ID-PNT2022TMID"OJ18O

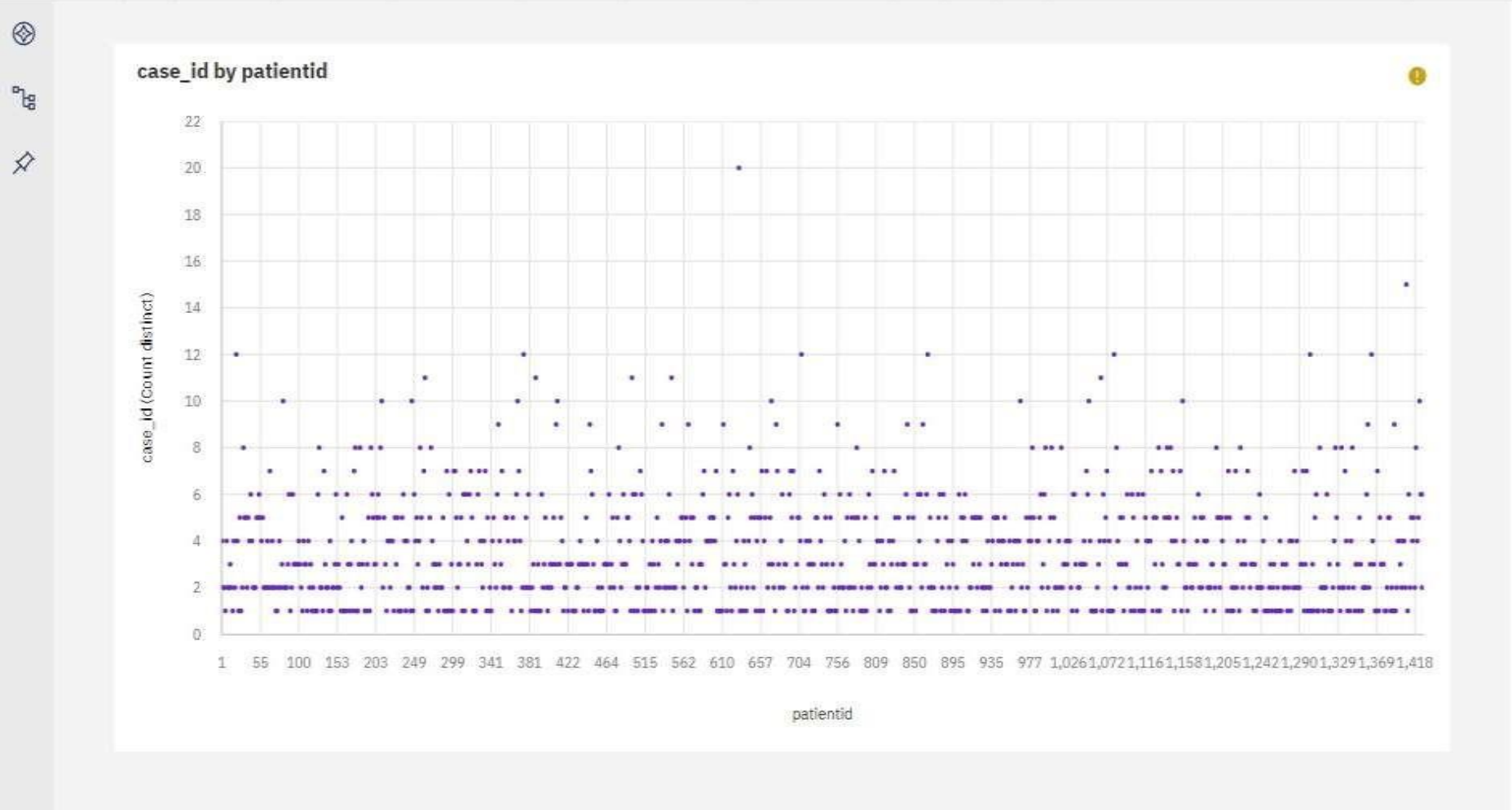
# Project Development Phase

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


Ward\_Type for Ward\_Facility\_Code:



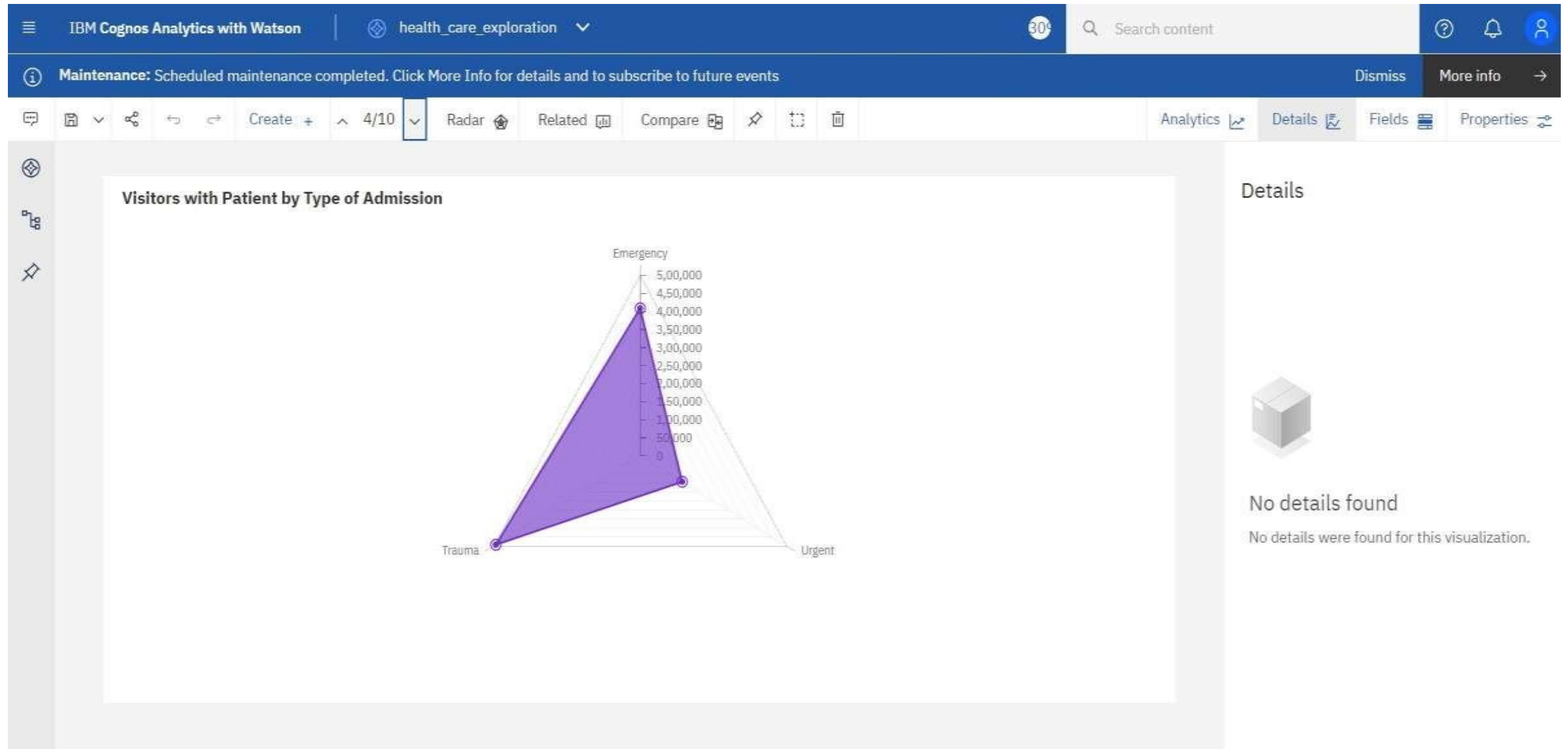
# case\_id by patientid:



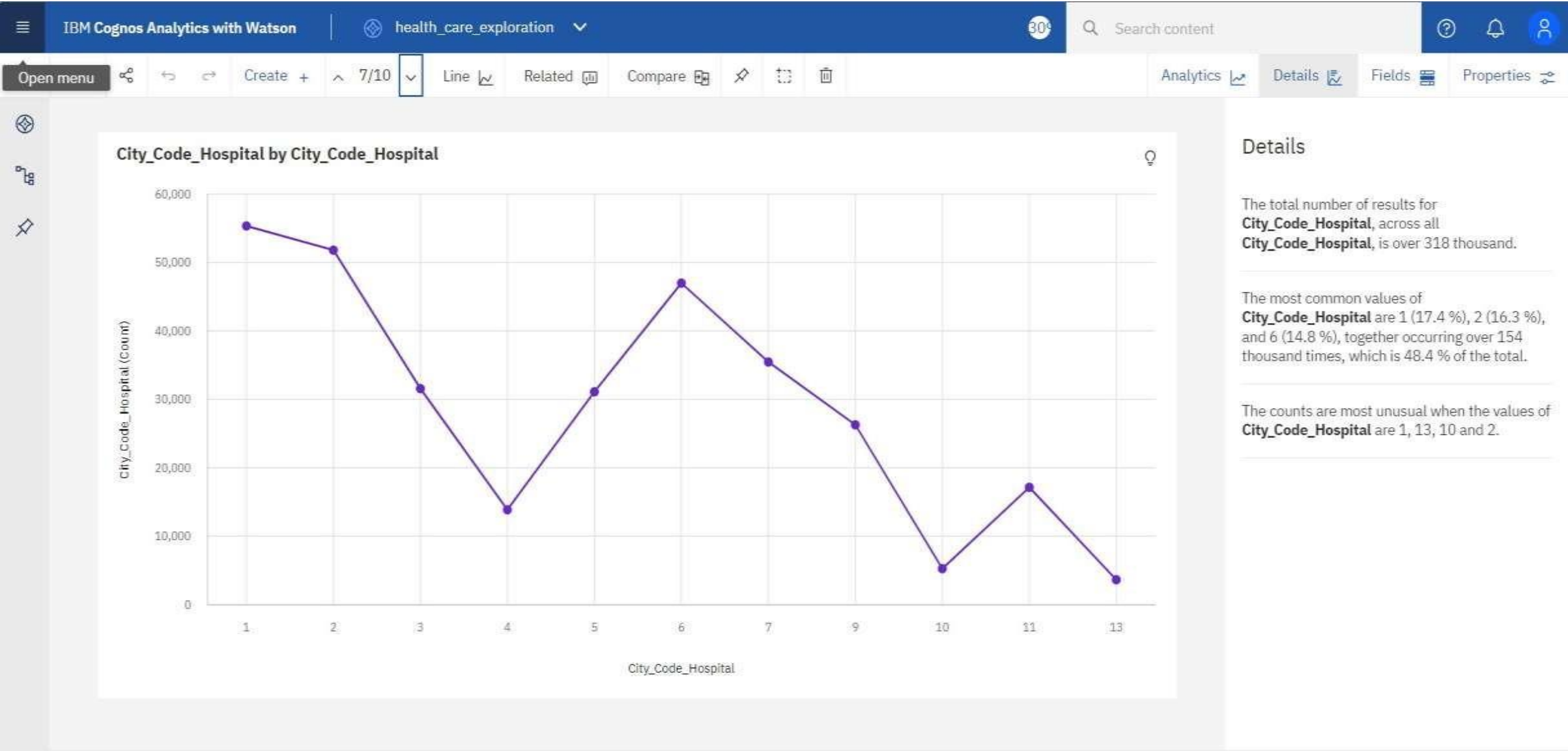
Details

  
Loading details...

# Visitors with Patient by Type of Admission:

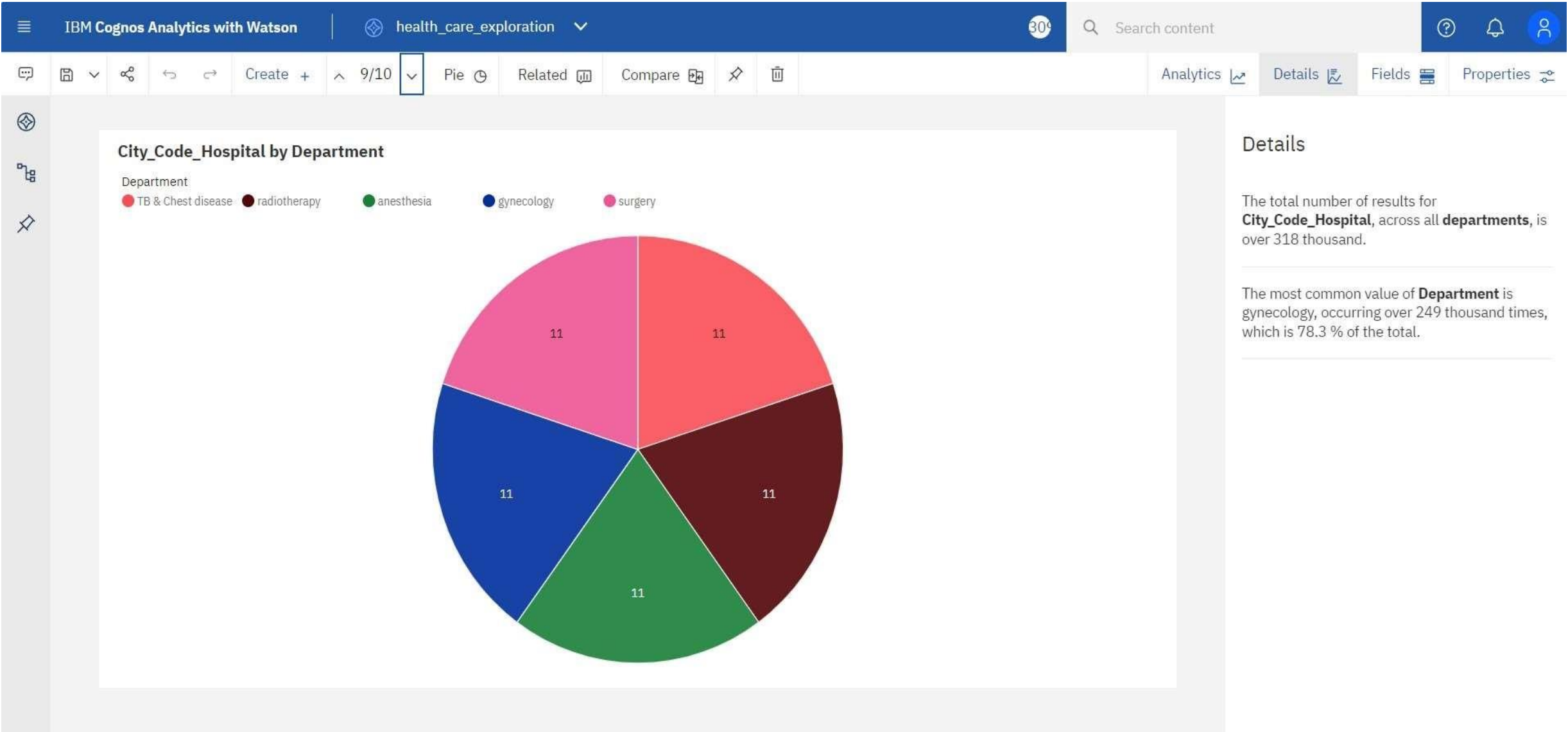


# City\_Code\_Hospital by City\_Code\_Hospital:





# City\_Code\_Hospital by Department:



City\_Code\_Hospital by Department

Department

● TB & Chest disease

● radiotherapy

● anesthesia

● gynecology

● surgery

Department	Count
TB & Chest disease	11
radiotherapy	11
anesthesia	11
gynecology	11
surgery	11

Details

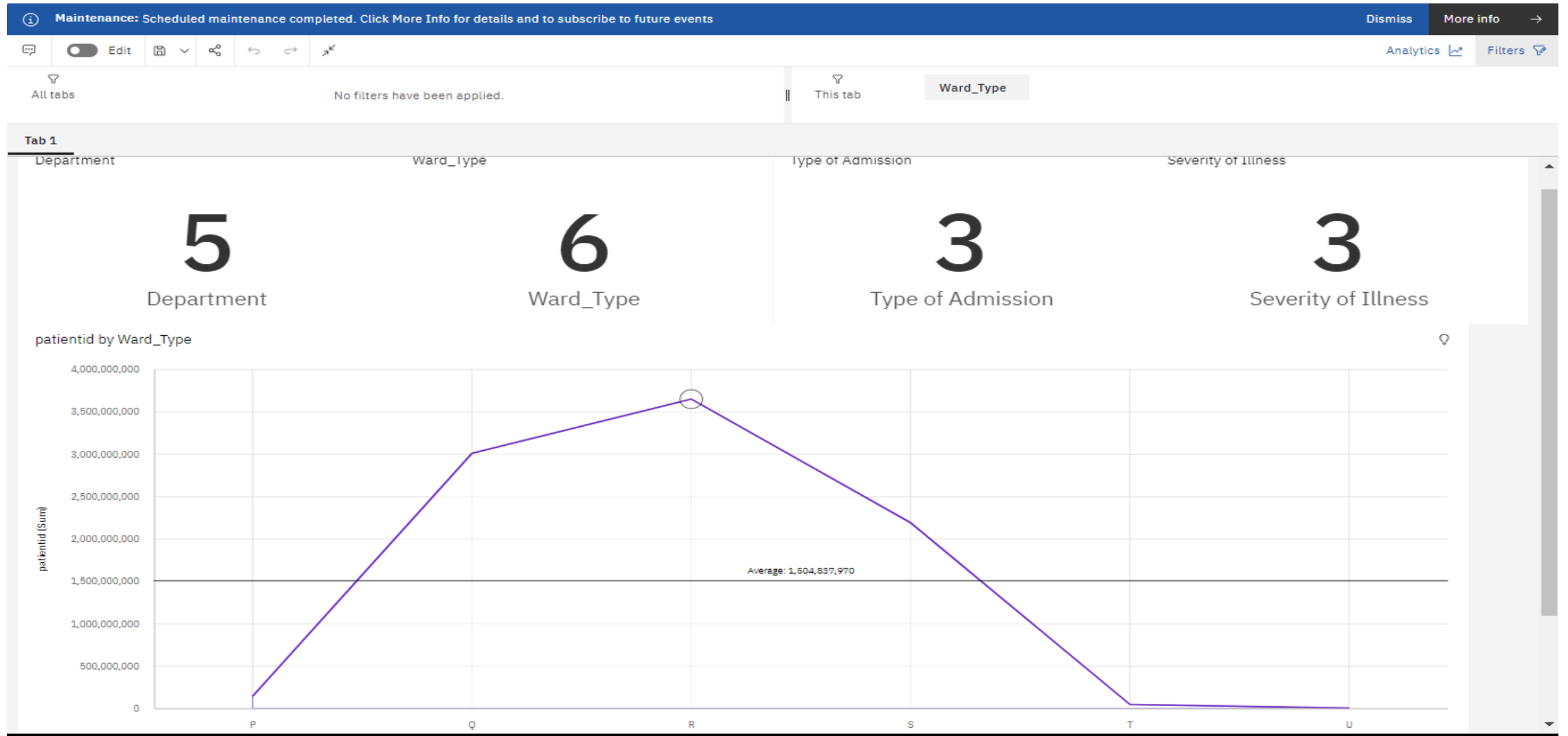
The total number of results for **City\_Code\_Hospital**, across all **departments**, is over 318 thousand.

The most common value of **Department** is gynecology, occurring over 249 thousand times, which is 78.3 % of the total.

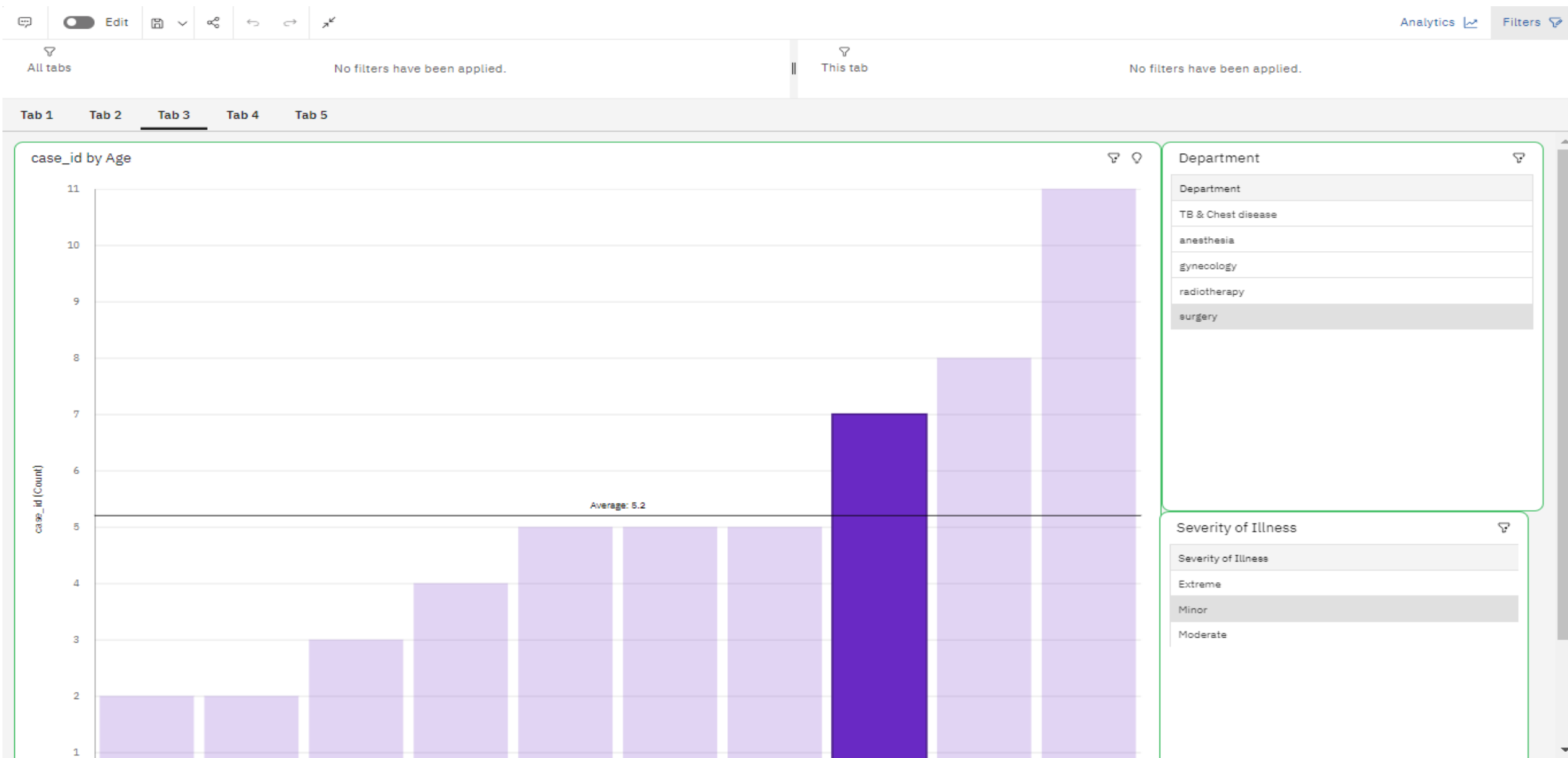


# DATA VISUALIZATIONS

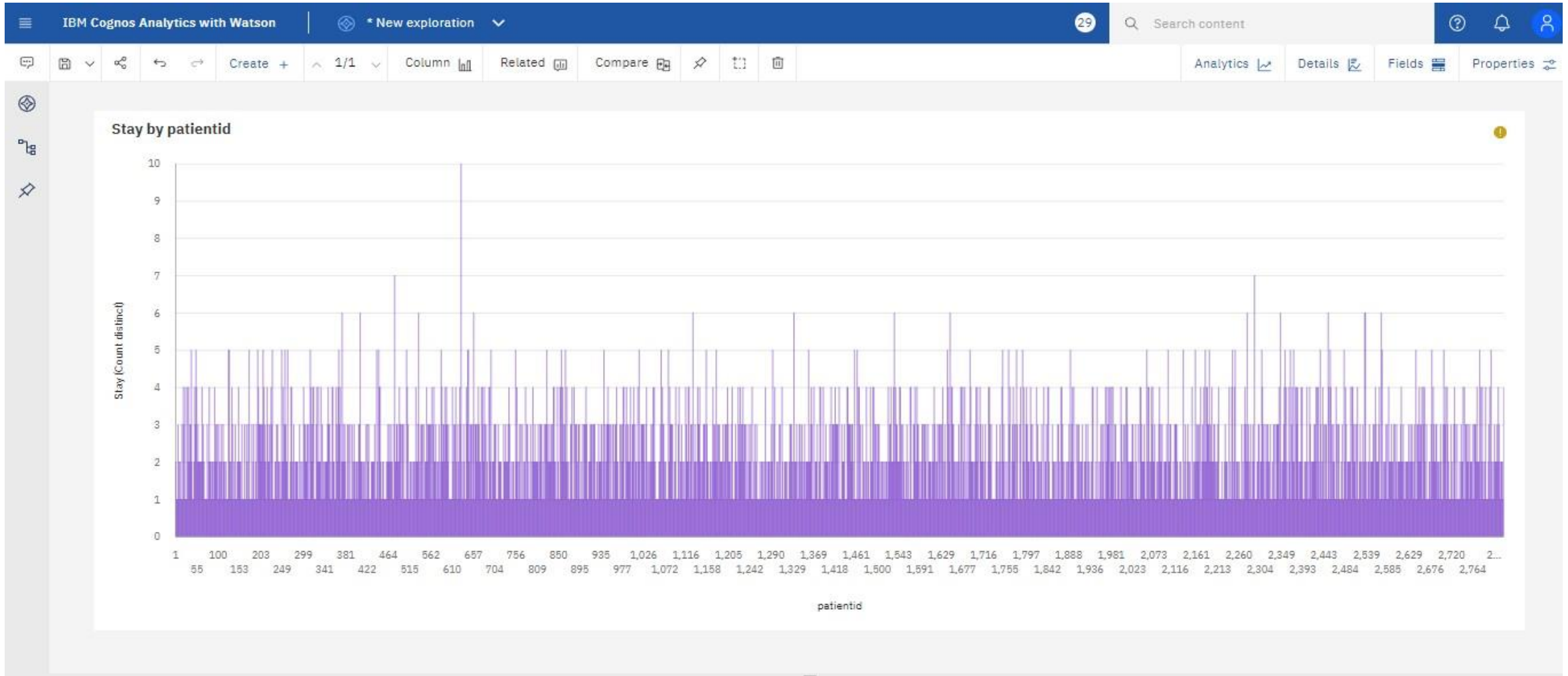
## 1. NUMBER OF PATIENTS BY WARD TYPE



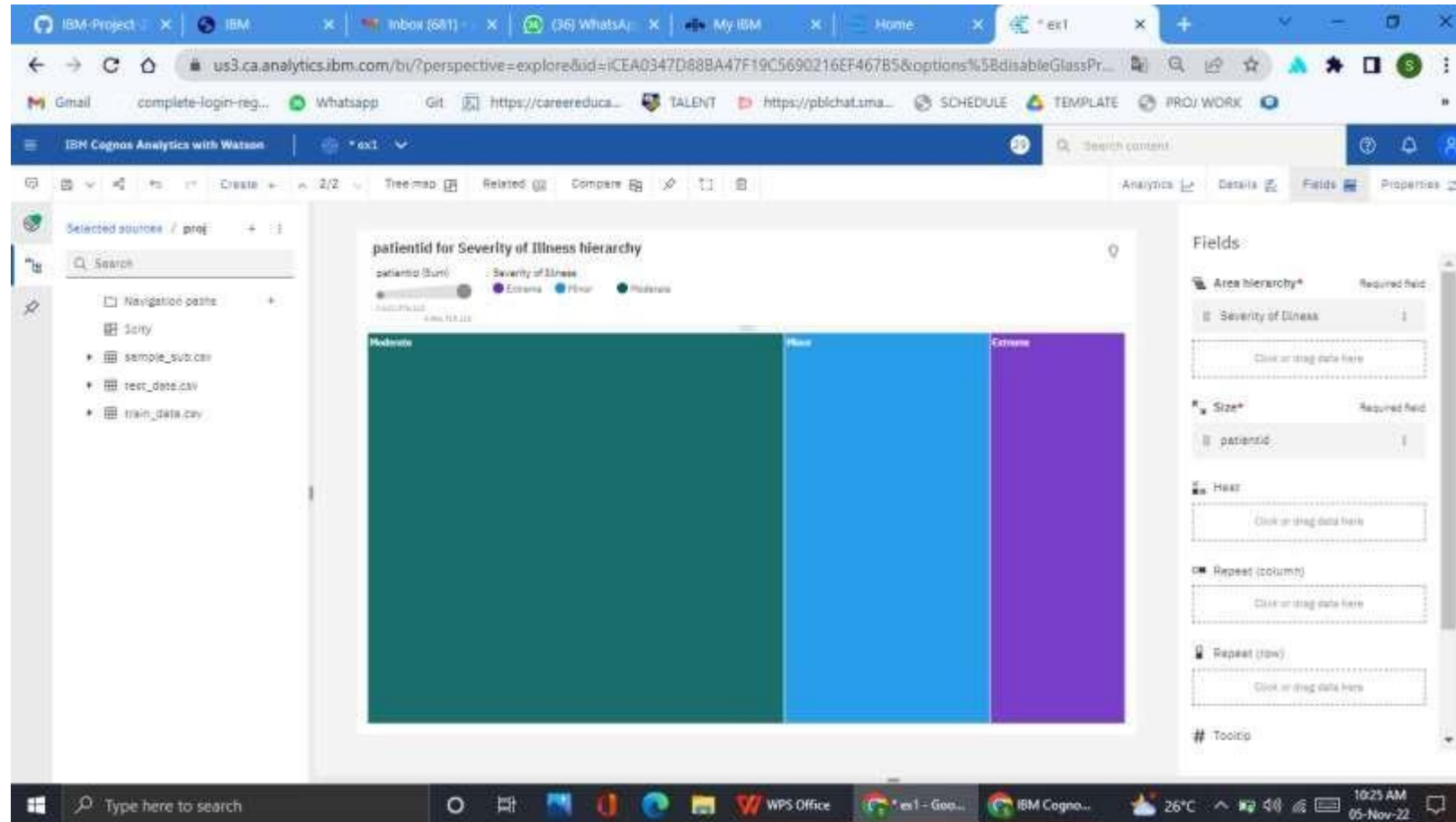
# AGE WISE PATIENTS WITH DEPARTMENT AND SEVERITY OF ILLNESS



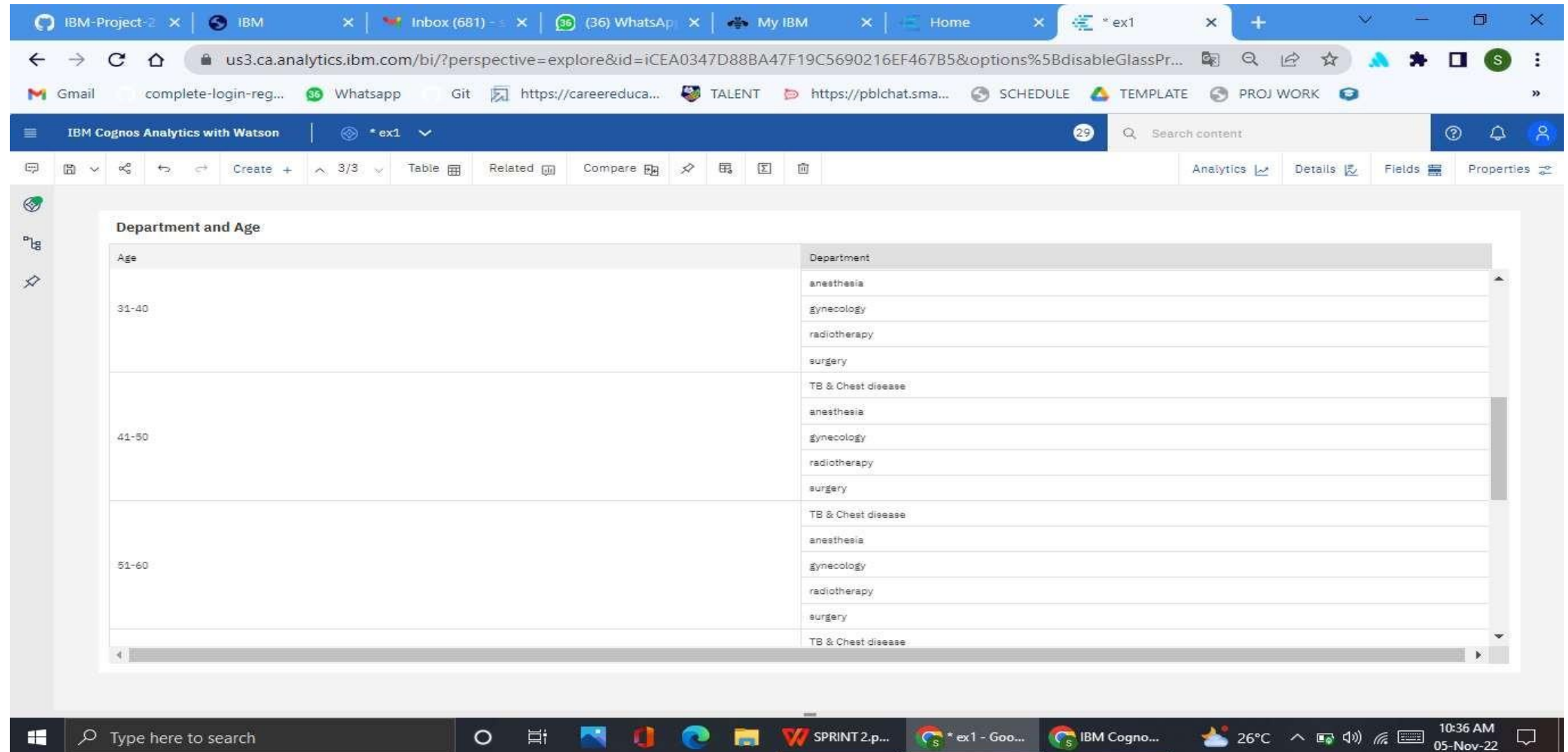
# STAY BY PATIENT ID



# 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...](https://us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...). The application title is "IBM Cognos Analytics with Watson". The table is titled "Department and Age" and is displayed in a pivot table format. The columns are "Age" and "Department". The "Age" column has three categories: "31-40", "41-50", and "51-60". The "Department" column lists various medical 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

IBM Cognos Analytics with Watson

29

Search content

?

🔔

👤

🗨

🔍 Edit

📄

🔗

↶

↷

📊

🔄

Stacked bar

🌐

📱

📅

✎

Analytics

Filters

All tabs

No filters have been applied.

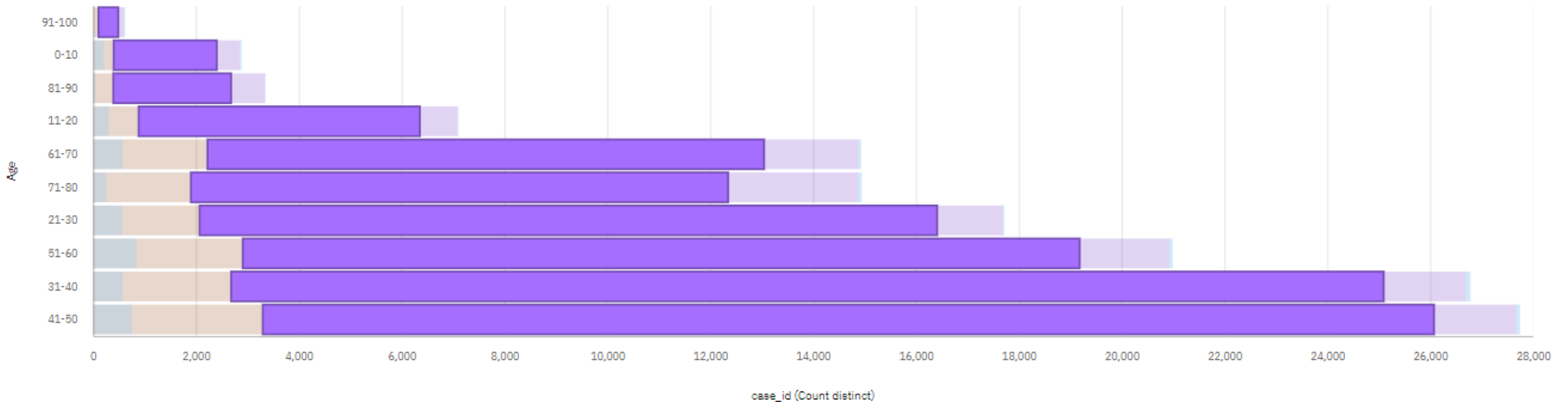
This tab

No filters have been applied.

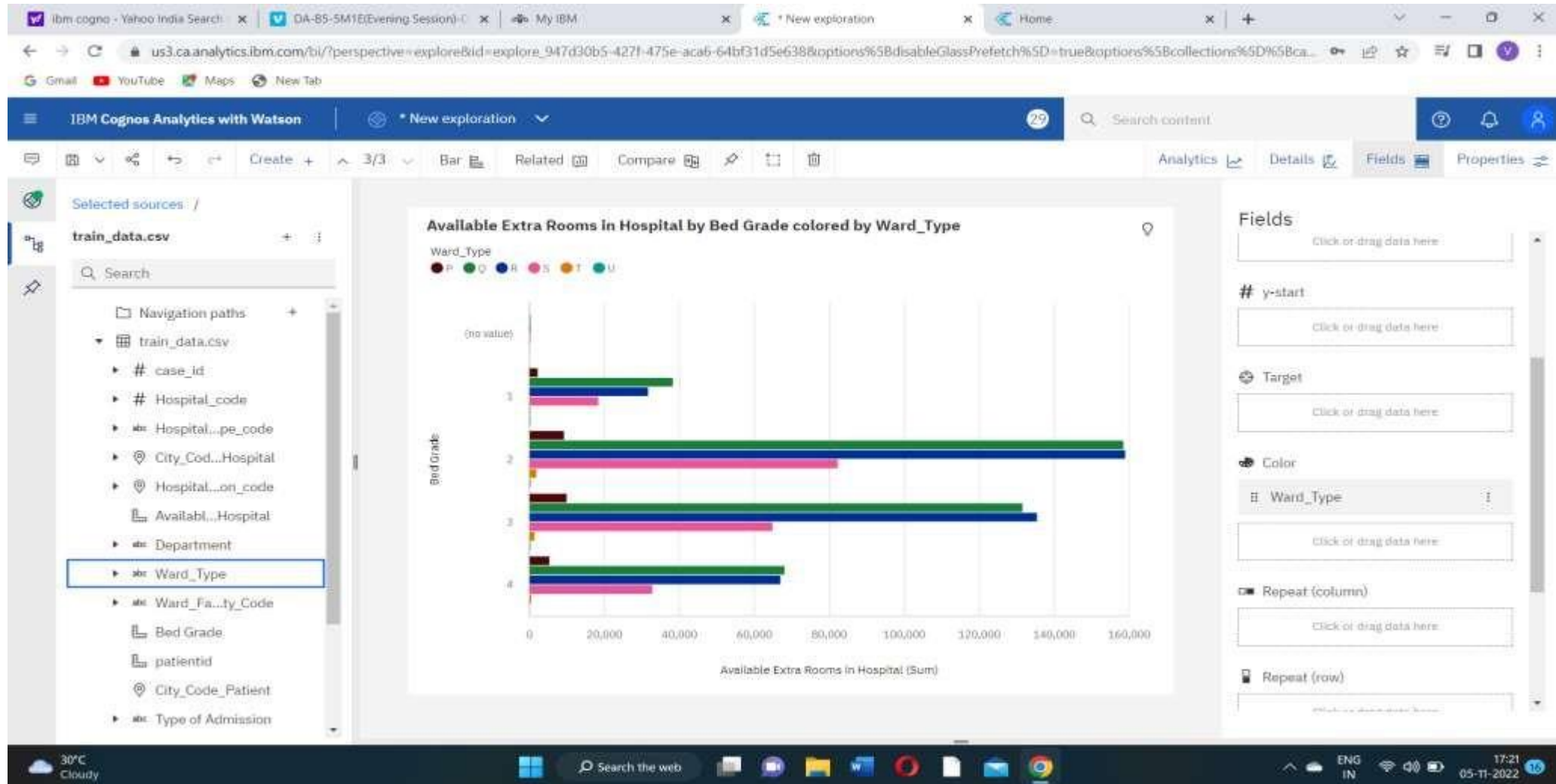
case\_id by Age colored by Department

Department

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

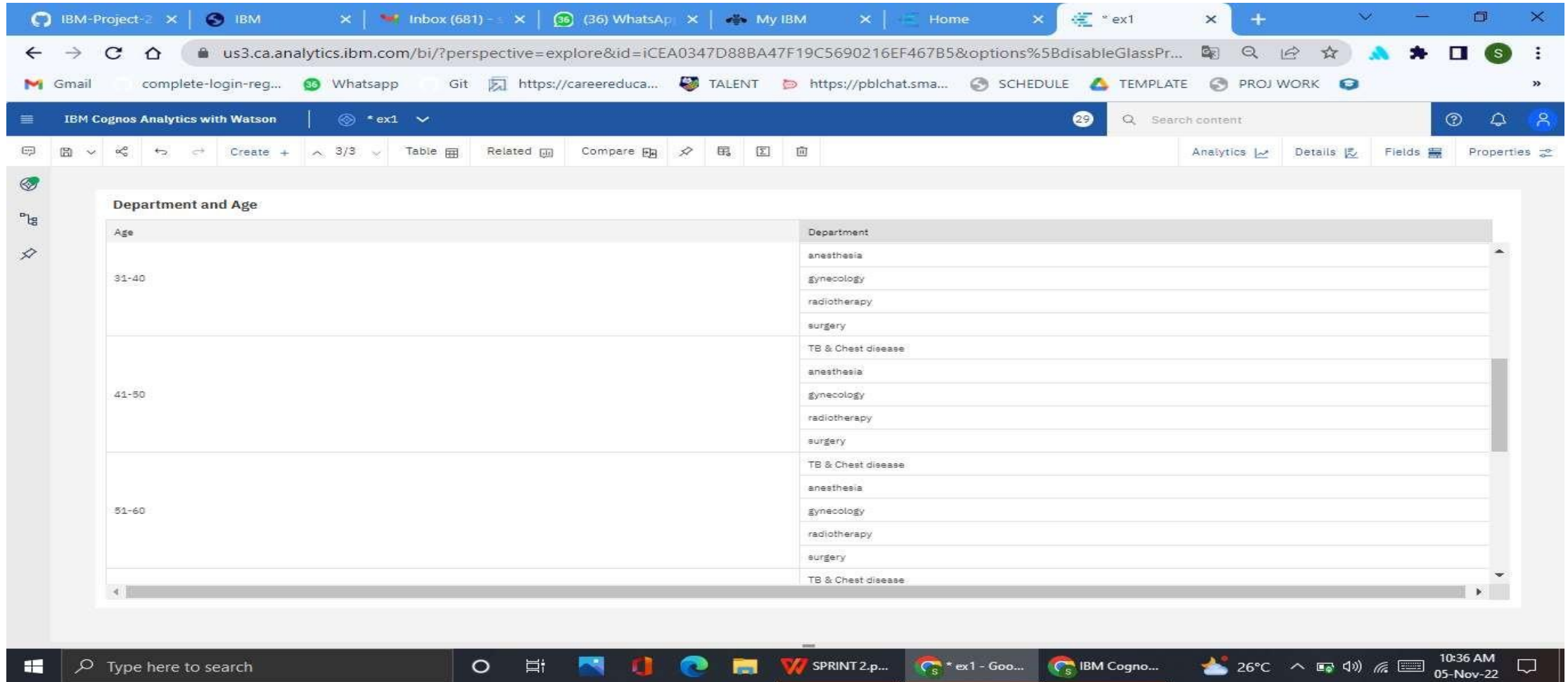


# AVAILABILITY OF EXTRA BEDS IN HOSPITAL BY BED GRADE





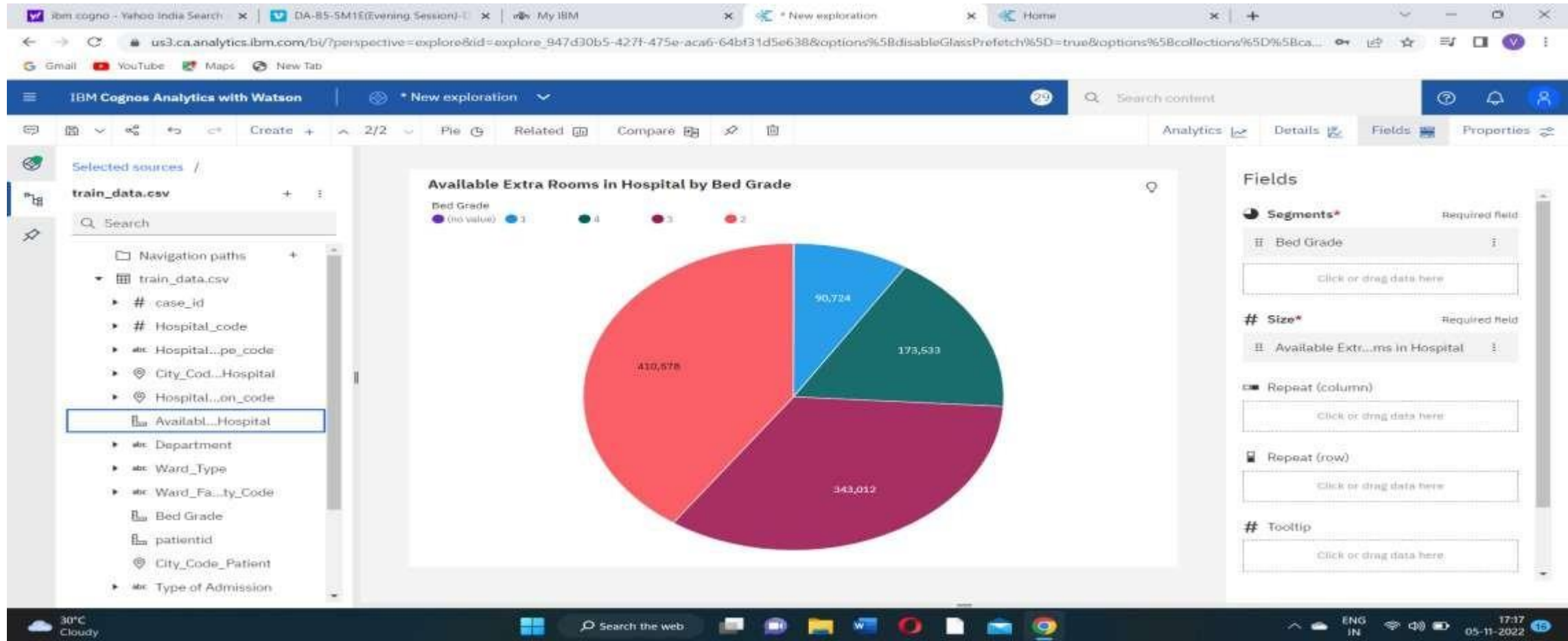
# AGE AND DEPARTMENT WISE PATIENT USING TABLE



The screenshot displays the IBM Cognos Analytics interface. The browser's address bar shows the URL: [us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...](https://us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...). The application title is "IBM Cognos Analytics with Watson". The table is titled "Department and Age" and is structured as follows:

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

# AVAILABILITY OF EXTRA ROOMS BY BED GRADE



# WARD TYPE FOR BED GRADE AND AVAILABLE EXTRA ROOMS

The screenshot displays the IBM Cognos Analytics interface. The main view shows a table titled "Ward\_Type for Bed Grade and Available Extra Rooms in Hospital". The table has columns for Ward\_Type, 1, 2, 3, 4, and Summary. The data is as follows:

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

The interface also shows a sidebar with "Selected sources" containing "train\_data.csv" and a list of fields including case\_id, Hospital\_code, Hospital\_type\_code, City\_Code\_Hospital, Hospital\_location\_code, Available\_rooms\_in\_Hospital, Department, Ward\_Type, Ward\_Facility\_Code, Bed Grade, patientid, City\_Code\_Patient, and Type of Admission. The right sidebar shows "Fields" with columns, rows, and values sections.