

PROJECT DEVELOPMENT PHASESPRINT DELIVERY -2

TEAM ID : PNT2022TMID33091

BATCH NO : B9-3A5E

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

DATE : 5 NOV 2022



ANALYTICS FOR HOSPITALS **HEALTH - CARE DATA**

PROJECT CONTRIBUTORS

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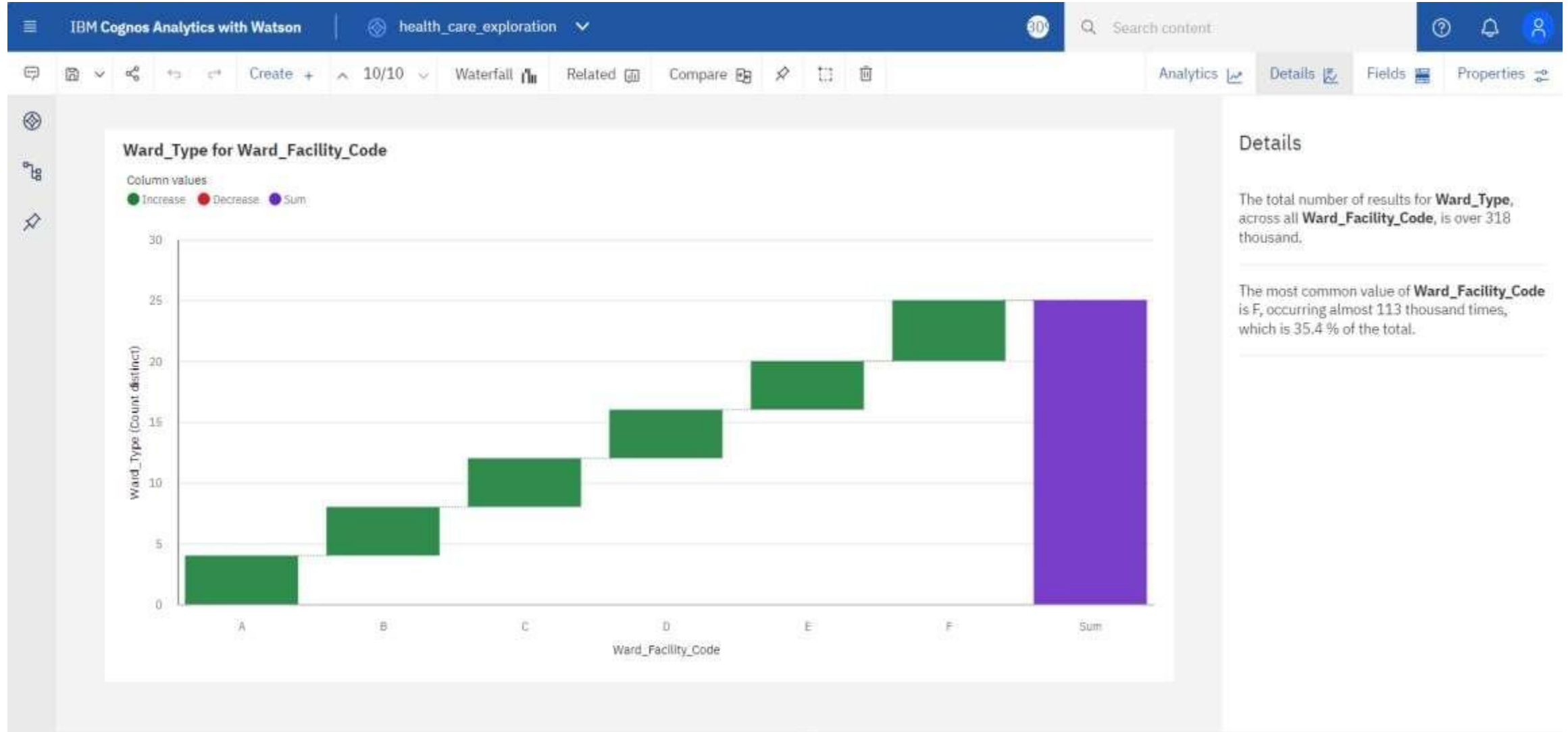
TEAM ID-PNT2022TMID01180

Project Development Phase

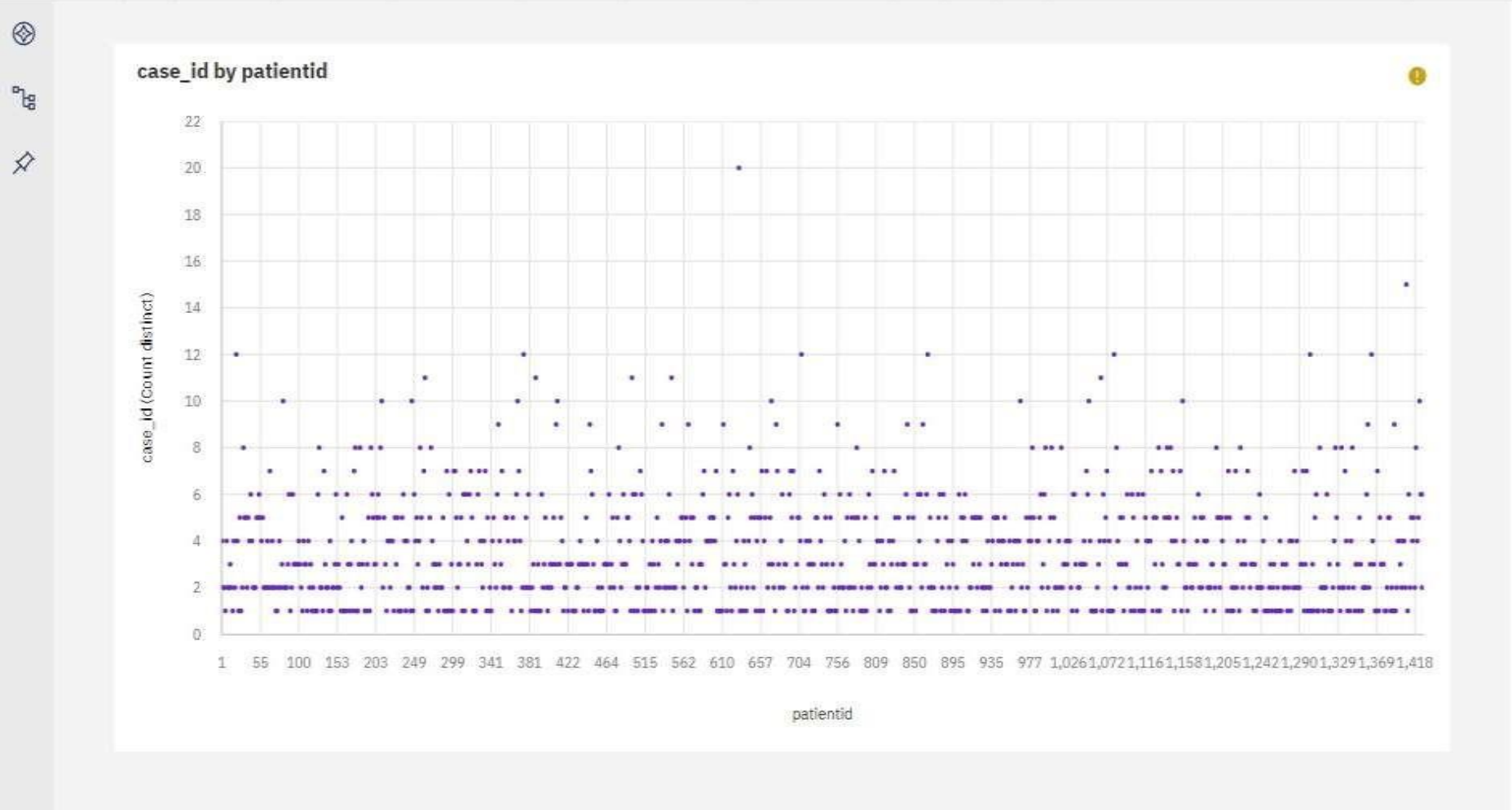
Sprint-1: <ul style="list-style-type: none">✓ Data Collection✓ Loading of data✓ Data Preparation	Sprint-3: <ul style="list-style-type: none">✓ Dashboard Creation
Sprint-2: <ul style="list-style-type: none">✓ Data Exploration✓ Data Visualization	Sprint-4: <ul style="list-style-type: none">✓ Report Creation✓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

DATA EXPLORATION


Ward_Type for Ward_Facility_Code:



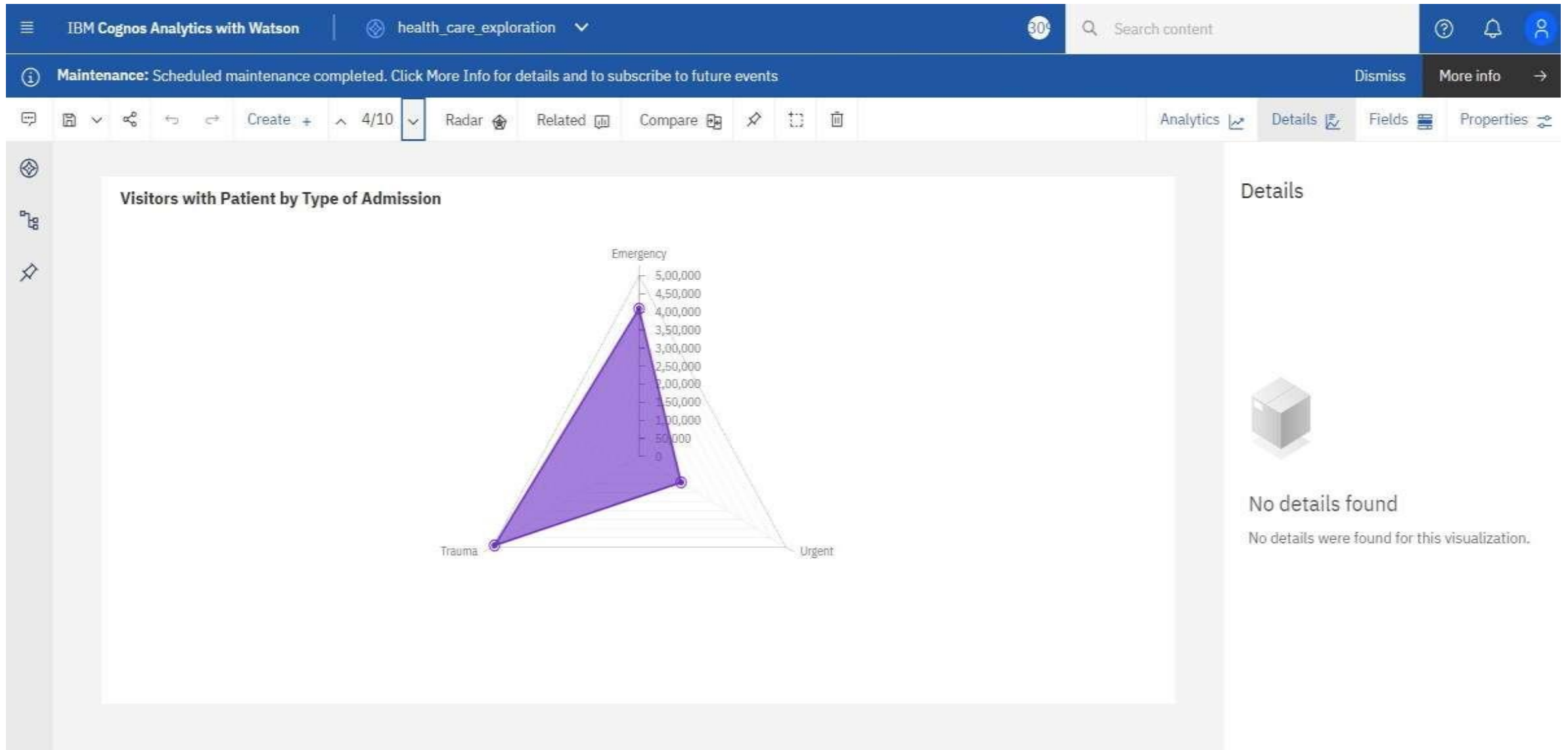
case_id by patient id:



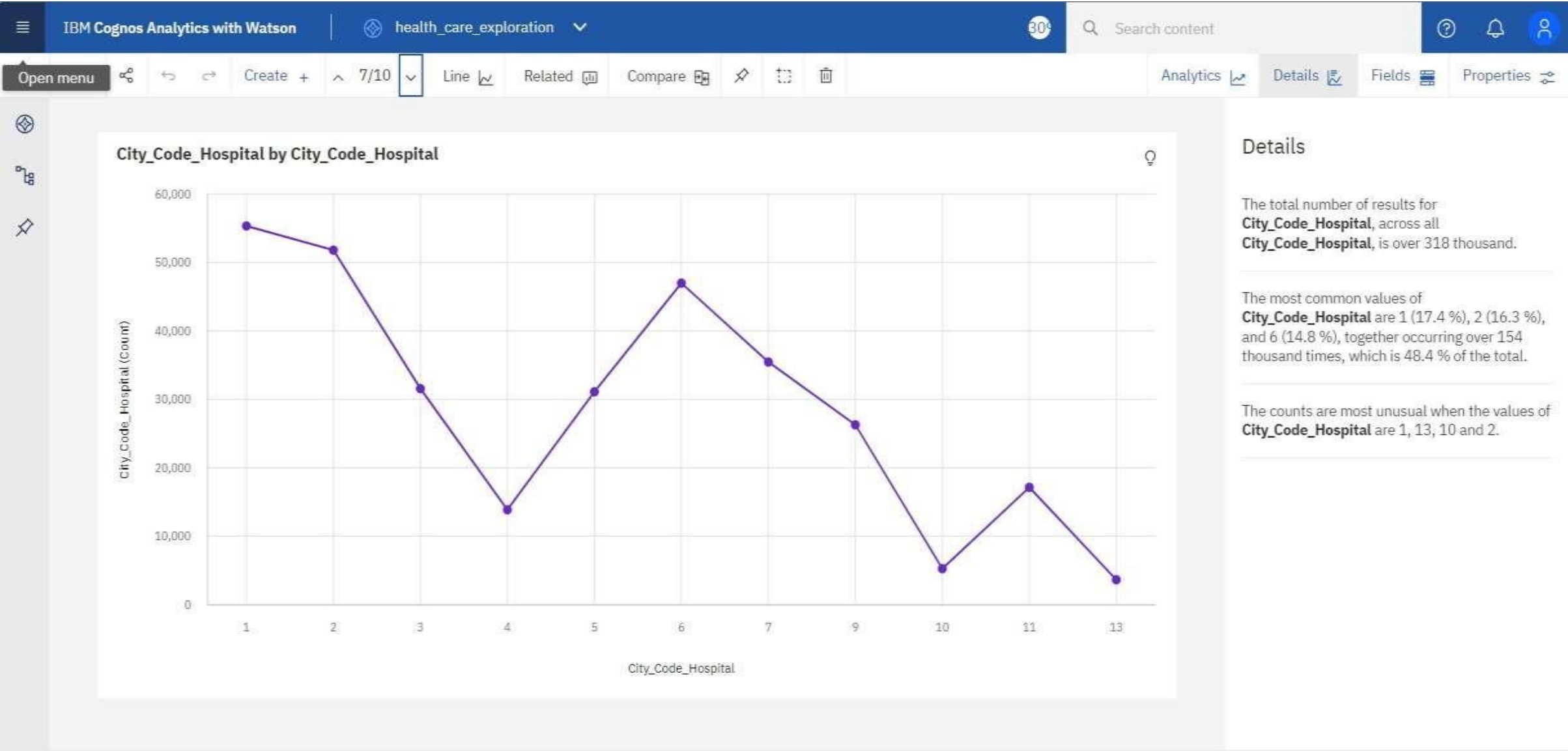
Details


Loading details...

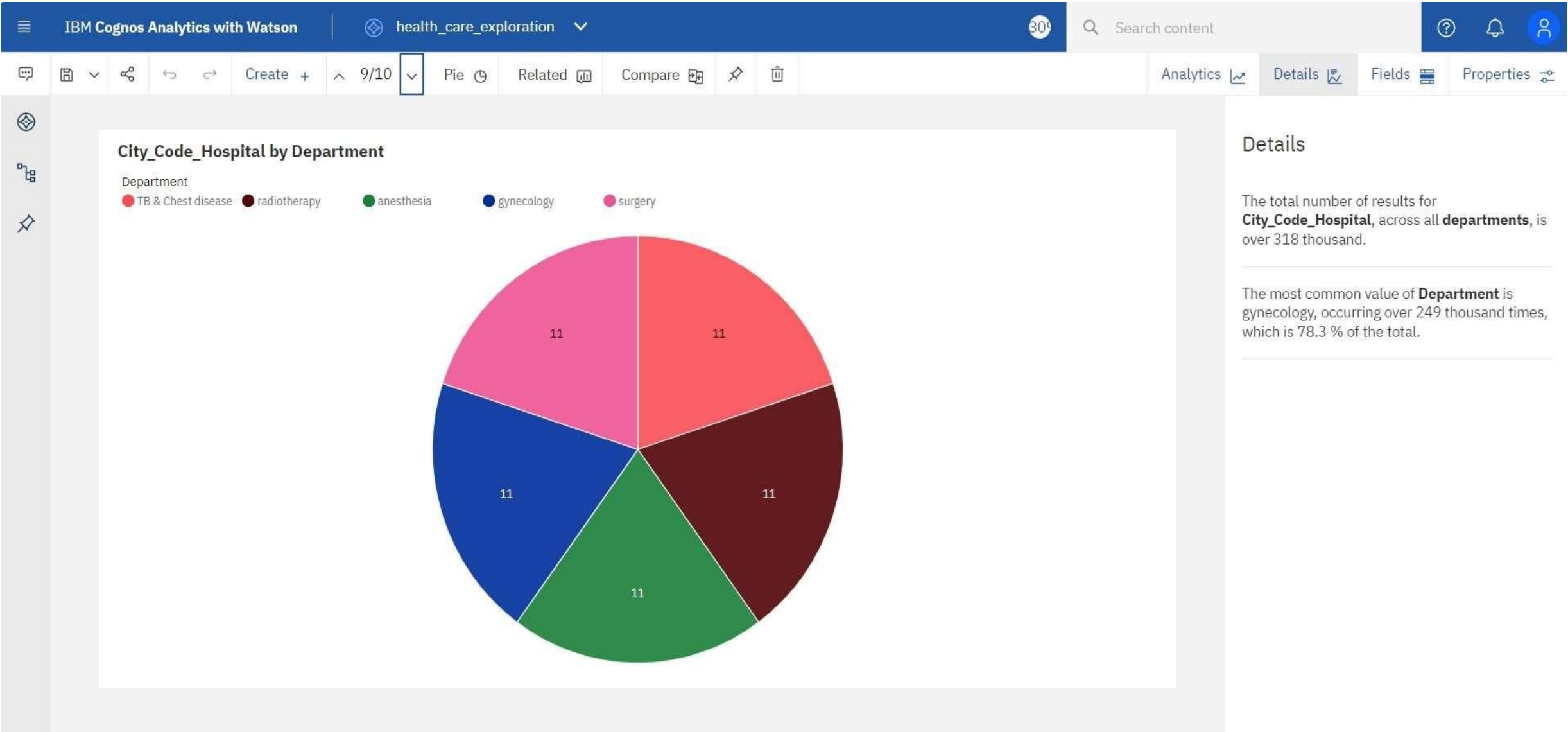
Visitors with Patient by Type of Admission:



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

11

11

11

11

11

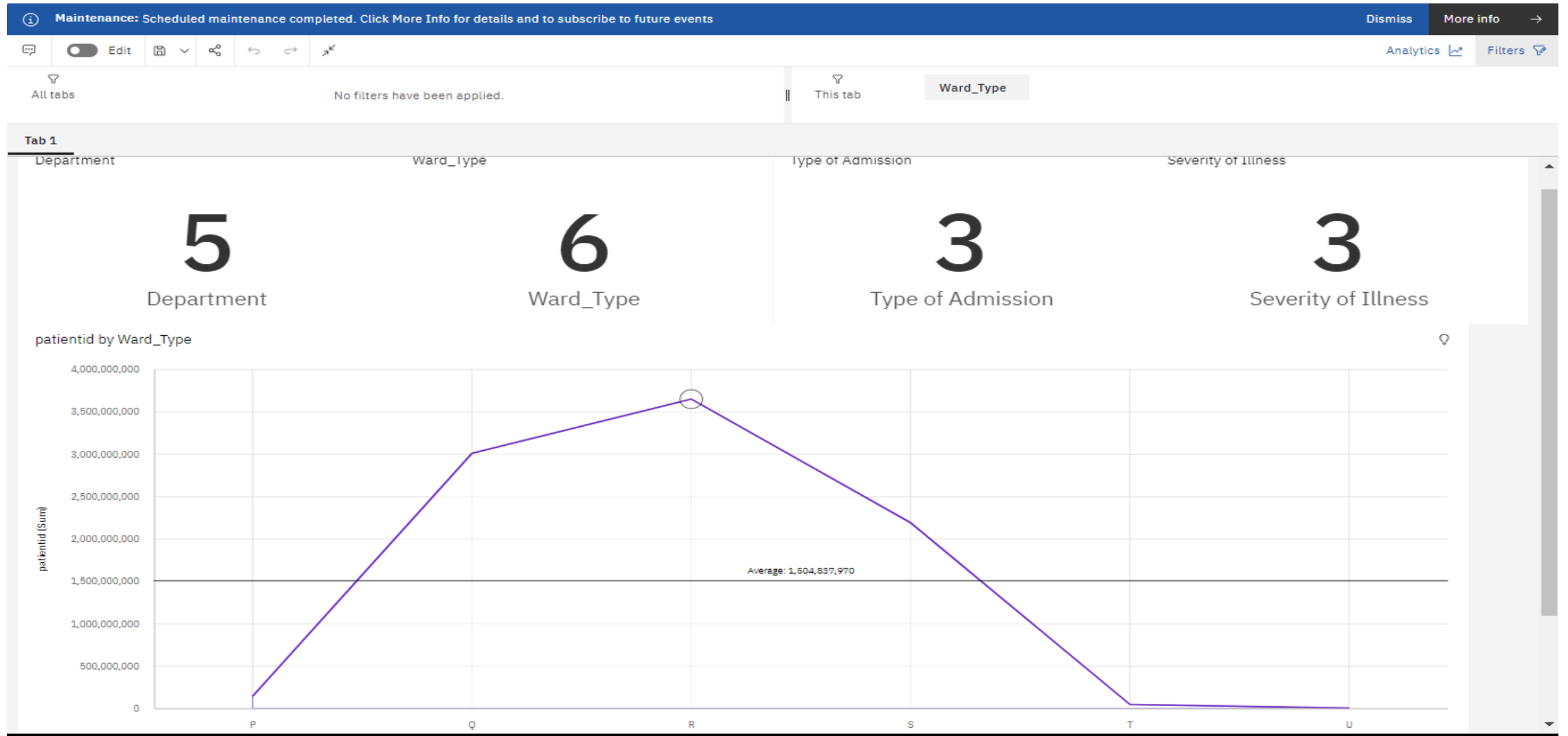
Details

The total number of results for **City_Code_Hospital**, across all **departments**, is over 318 thousand.

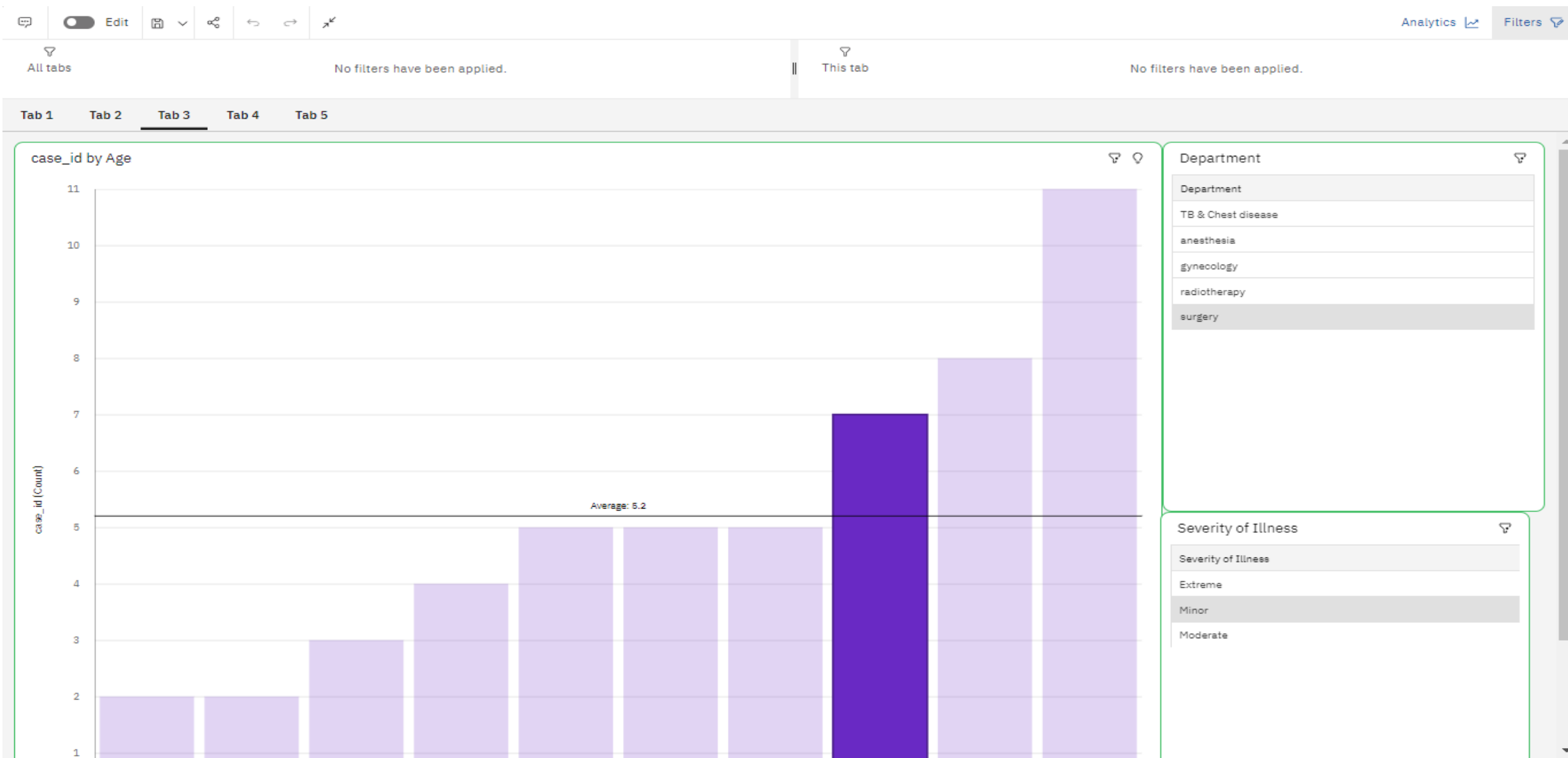
The most common value of **Department** is gynecology, occurring over 249 thousand times, which is 78.3 % of the total.

DATA VISUALIZATIONS

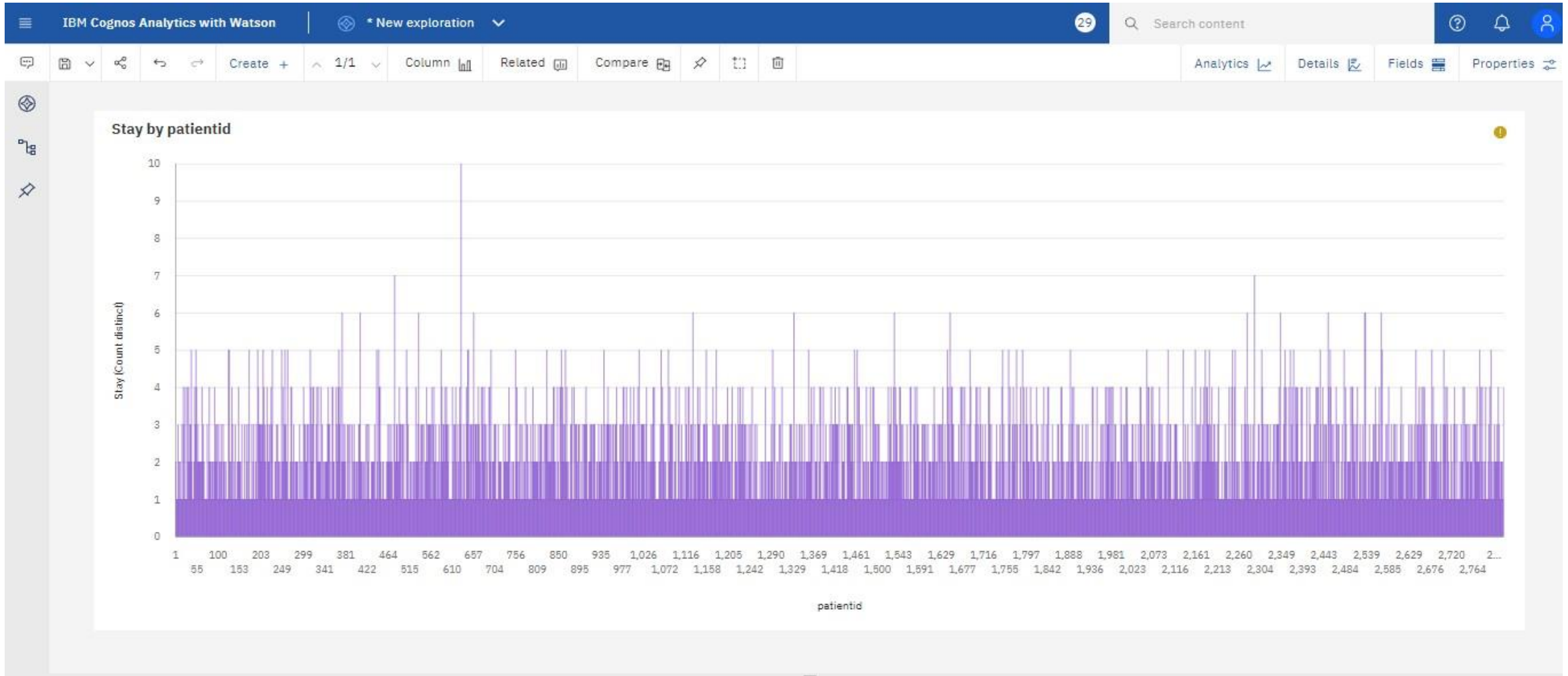
1. NUMBER OF PATIENTS BY WARD TYPE



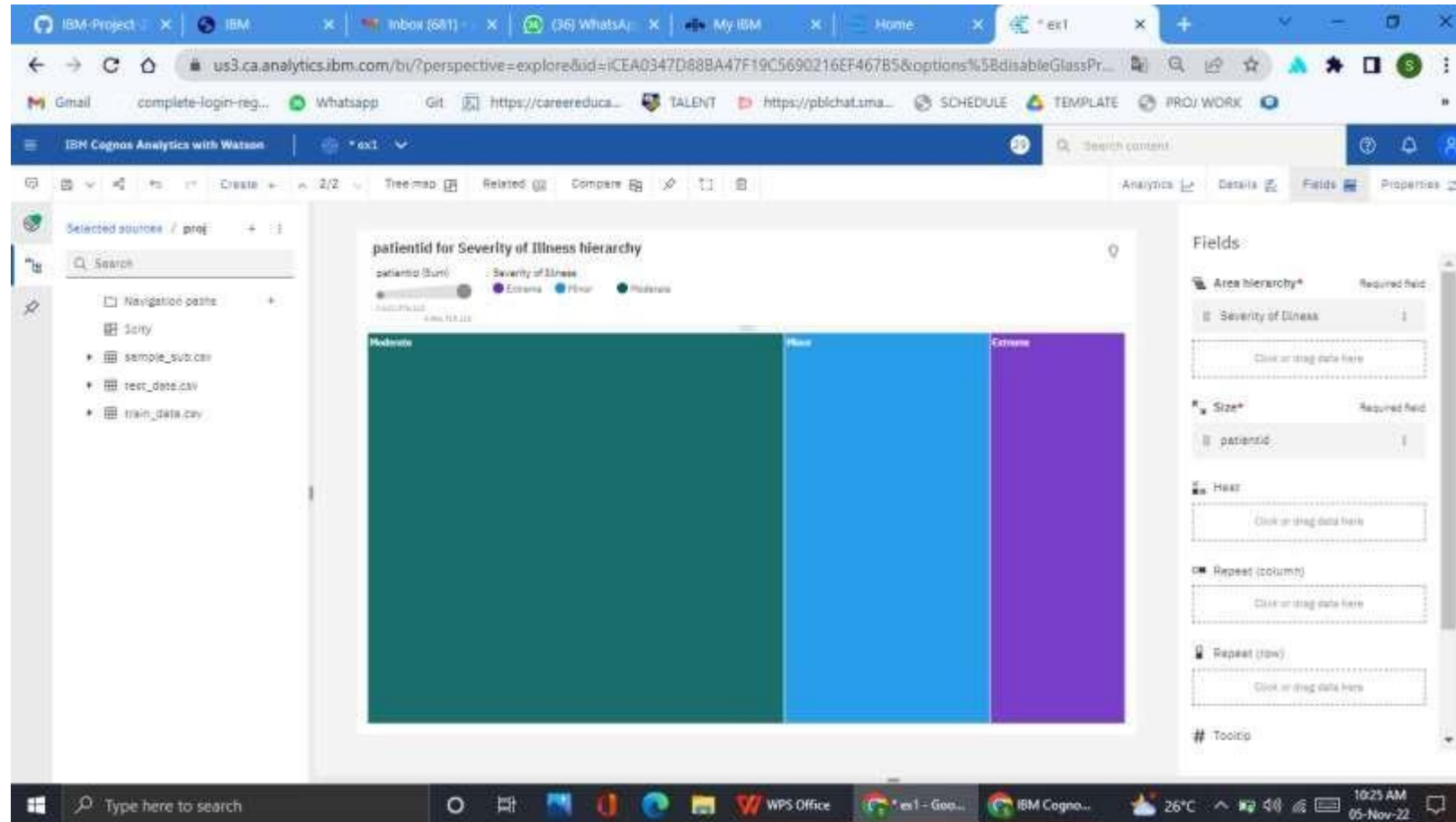
AGE WISE PATIENTS WITH DEPARTMENT AND SEVERITY OF ILLNESS



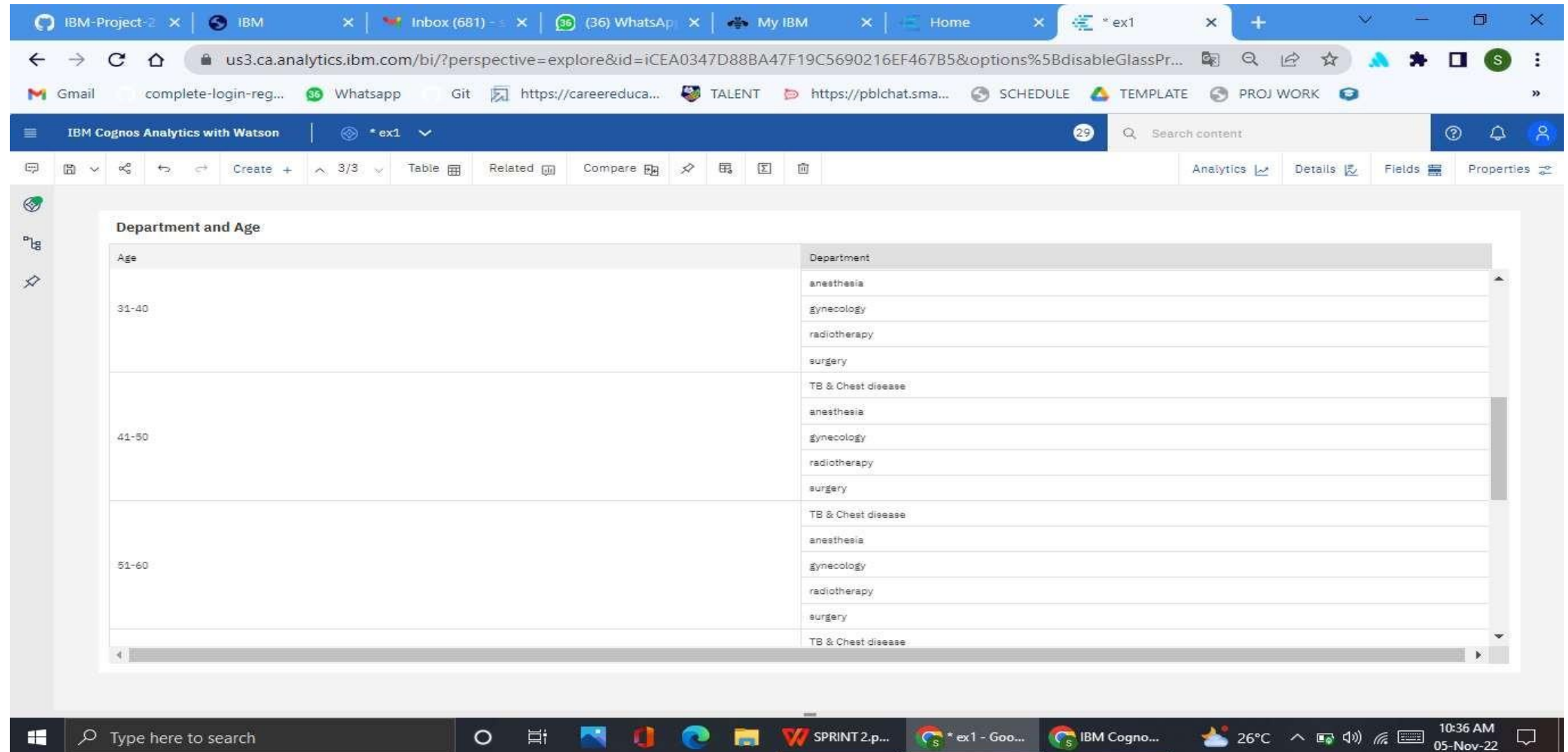
STAY BY PATIENT ID



SEVERITY OF ILLNESS BY PATIENT-ID USING TREE MAP



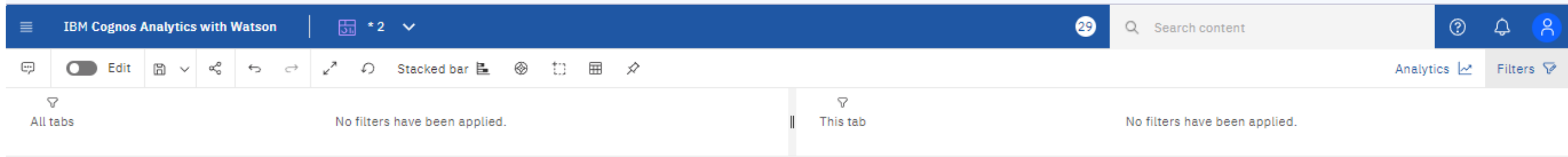
AGE AND DEPARTMENT WISE PATIENT USING TABLE



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.... 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

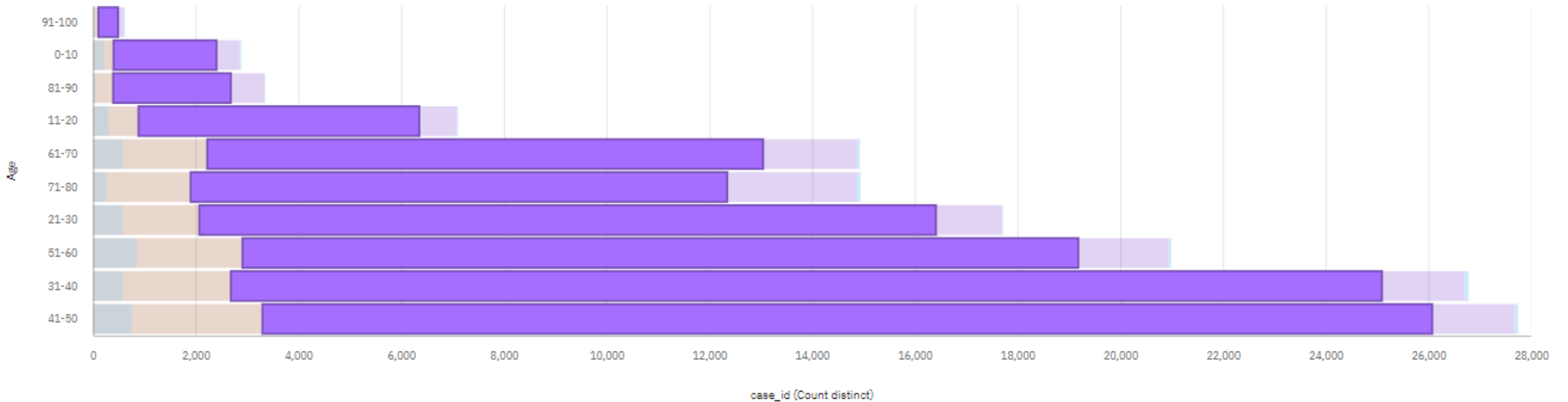
CASE ID BY AGE COLOURED BY DEPARTMENT



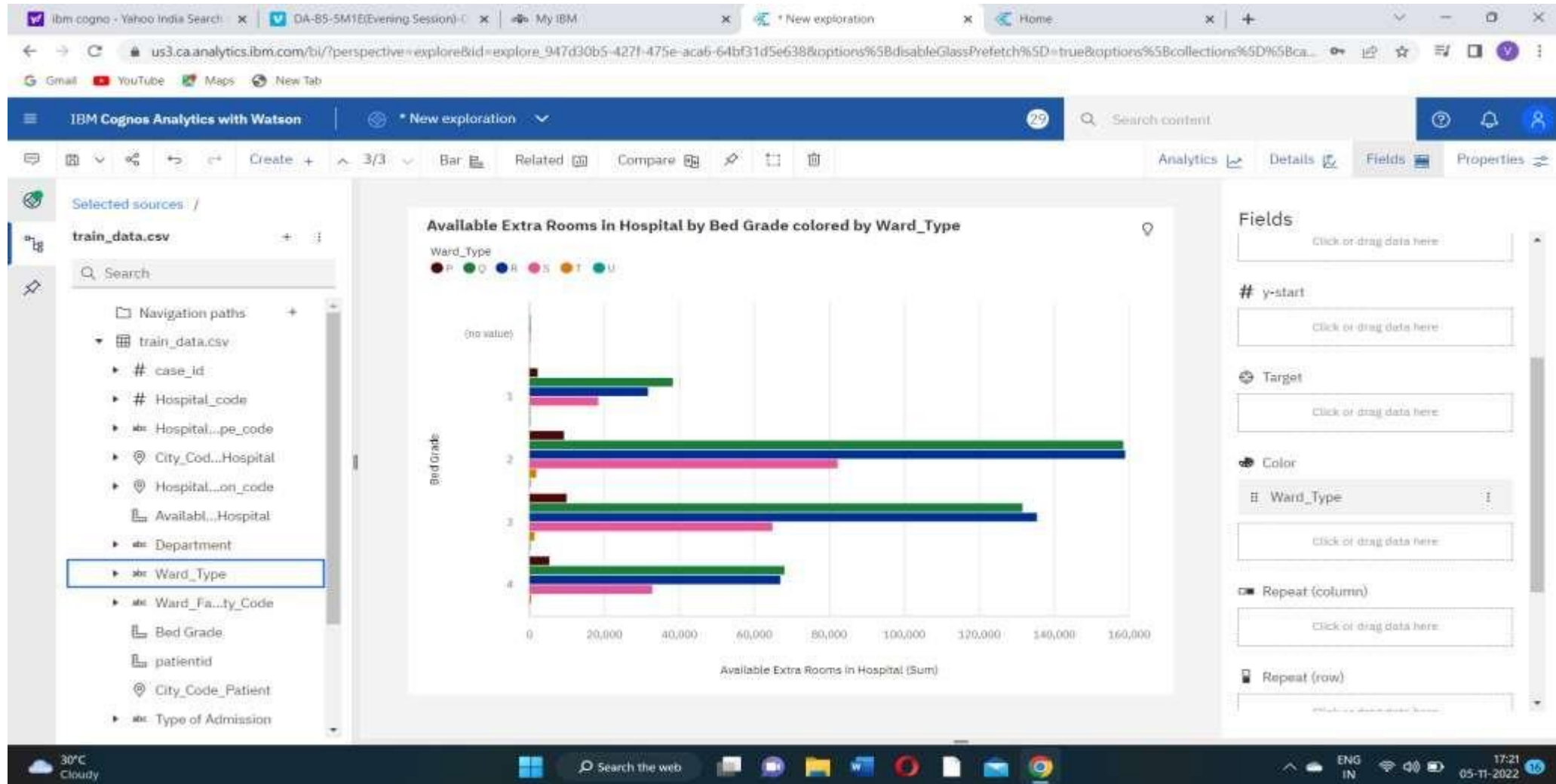
case_id by Age colored by Department

Department

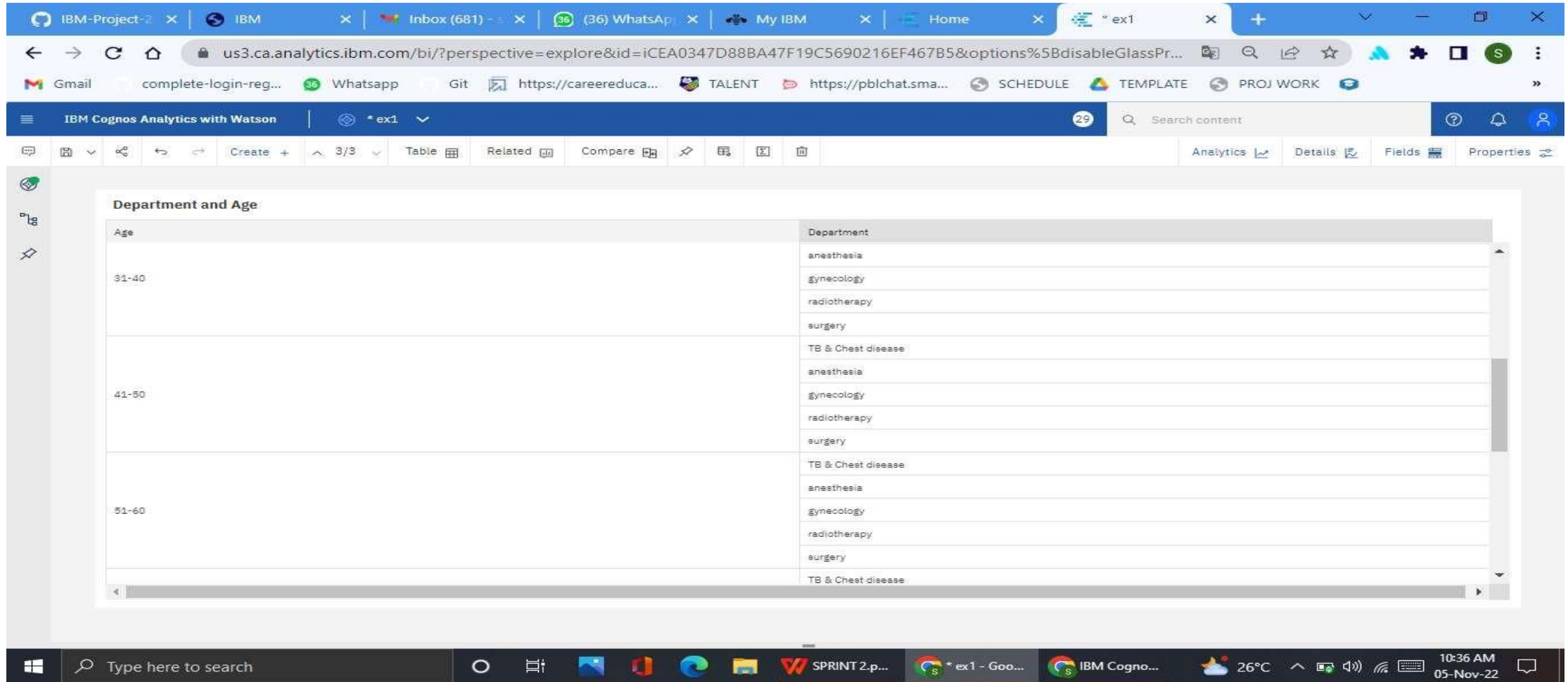
- TB & Chest disease
- anesthesia
- gynecology
- radiotherapy
- surgery



AVAILABILITY OF EXTRA BEDS IN HOSPITAL BY BED GRADE



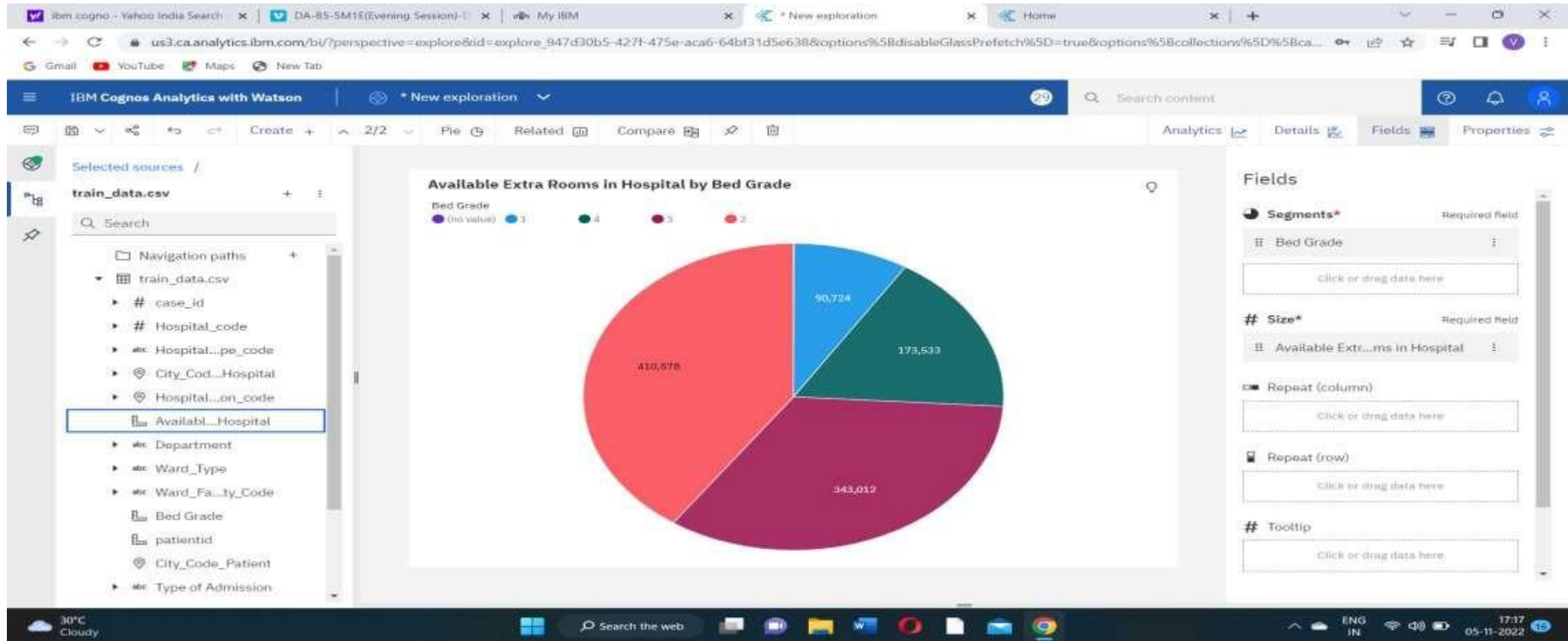
AGE AND DEPARTMENT WISE PATIENT USING TABLE



The screenshot displays the IBM Cognos Analytics interface. The browser address bar shows the URL: 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 with "Age" as the row field and "Department" as the column field. The table shows patient counts for three age groups (31-40, 41-50, 51-60) across five departments (anesthesia, gynecology, radiotherapy, surgery, TB & Chest disease). The interface includes a top navigation bar with tabs for "Inbox (681)", "(36) WhatsApp", "My IBM", "Home", and "ex1". A search bar is located in the top right corner. The bottom of the screen shows the Windows taskbar with the search bar and several open applications including "SPRINT 2.p...", "ex1 - Goo...", and "IBM Cogno...". The system clock indicates the time is 10:36 AM on 05-Nov-22.

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. The main view is 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	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

The interface also shows a left sidebar with "Selected sources" and a list of fields including case_id, Hospital_code, Hospital...pe_code, City_Cod...Hospital, Hospital...on_code, Availabl...Hospital, Department, Ward_Type, Ward_Fa...ty_Code, Bed Grade, patientid, City_Code_Patient, and Type of Admission. The right sidebar shows "Fields" with columns, rows, and values sections.