

CERTIFICATION PROJECT FOR TABLEAU TRAINING

Industry: Life Sciences

Problem Statement

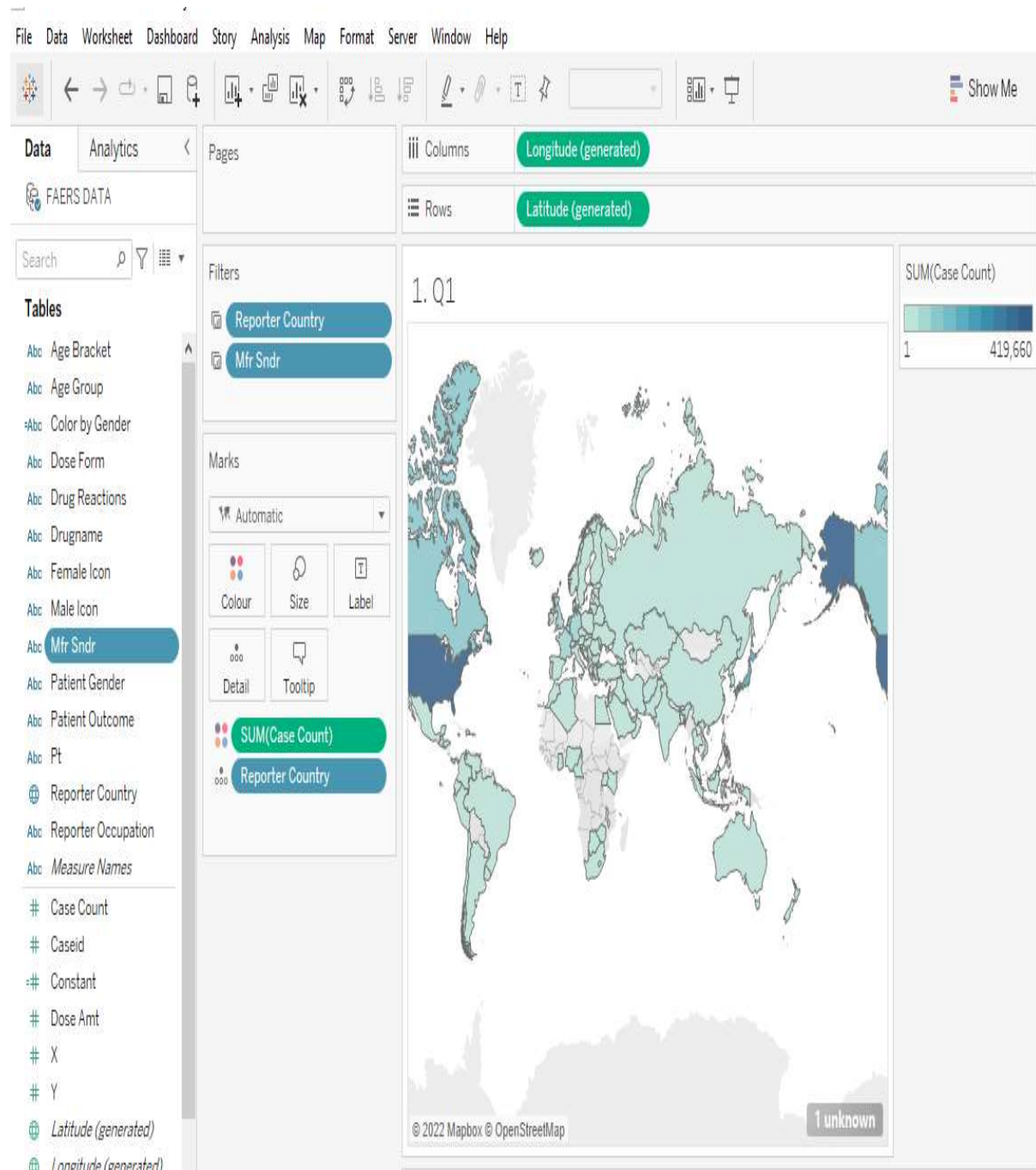
Gen Next is a Life Sciences company which wants to explore the data on drugs generated by Food and Drug Administration (FDA). They have asked you to create dashboards through which you can visualize the drugs consumed across locations, compare the effectiveness of drugs and identify the company that has the drugs with lower side effects. The Vice President of the Gen Next Life Sciences company wants the dashboards with the following details

- **Dashboard 1:** Adverse events occurred due to drug consumption across locations and companies
- **Dashboard 2:** Drug comparator
- **Dashboard 3:** Adverse events across multiple parameters

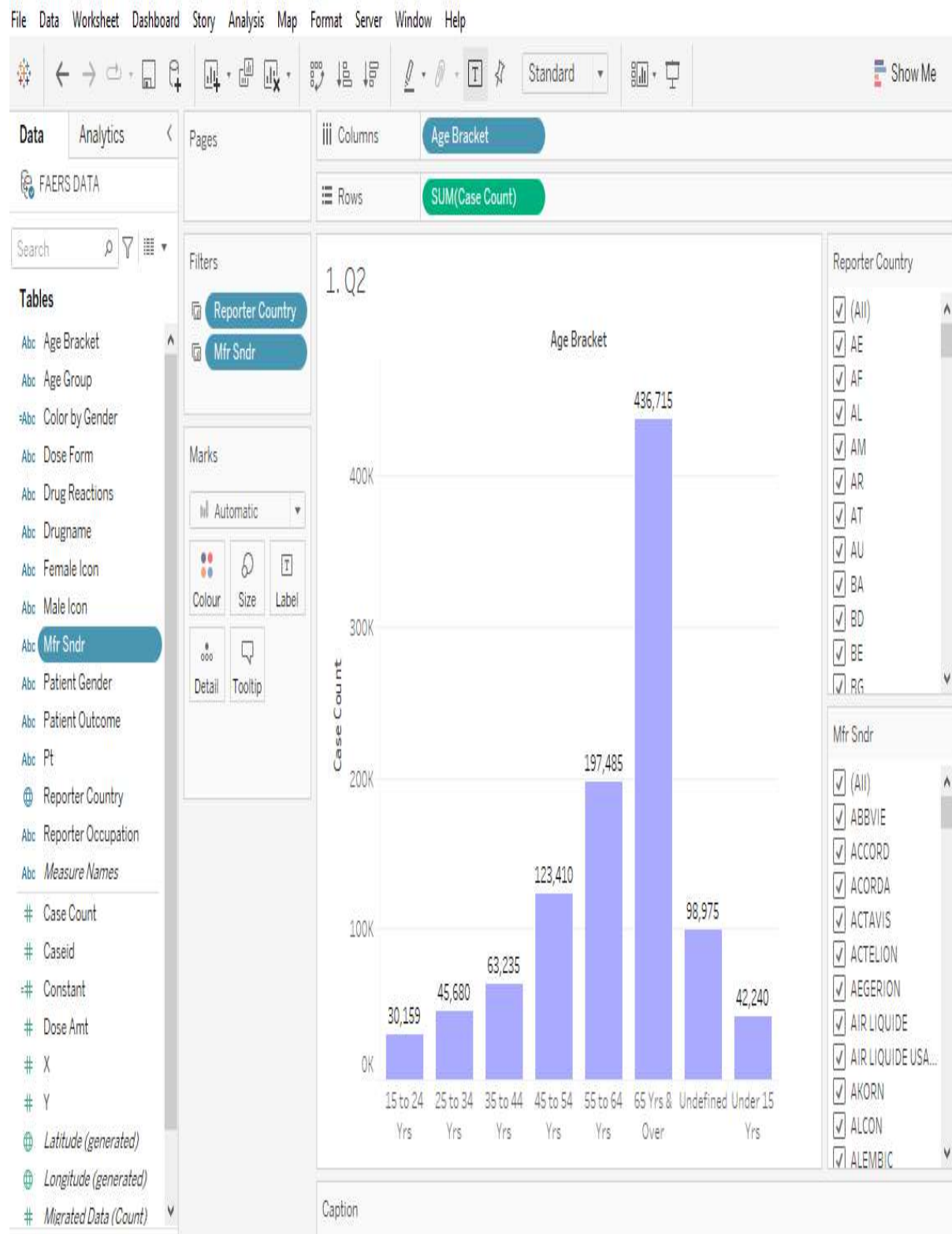
Refer to the dataset: FAERS DATA.csv

Dashboard 1: Adverse events occurred due to drug consumption across locations and companies

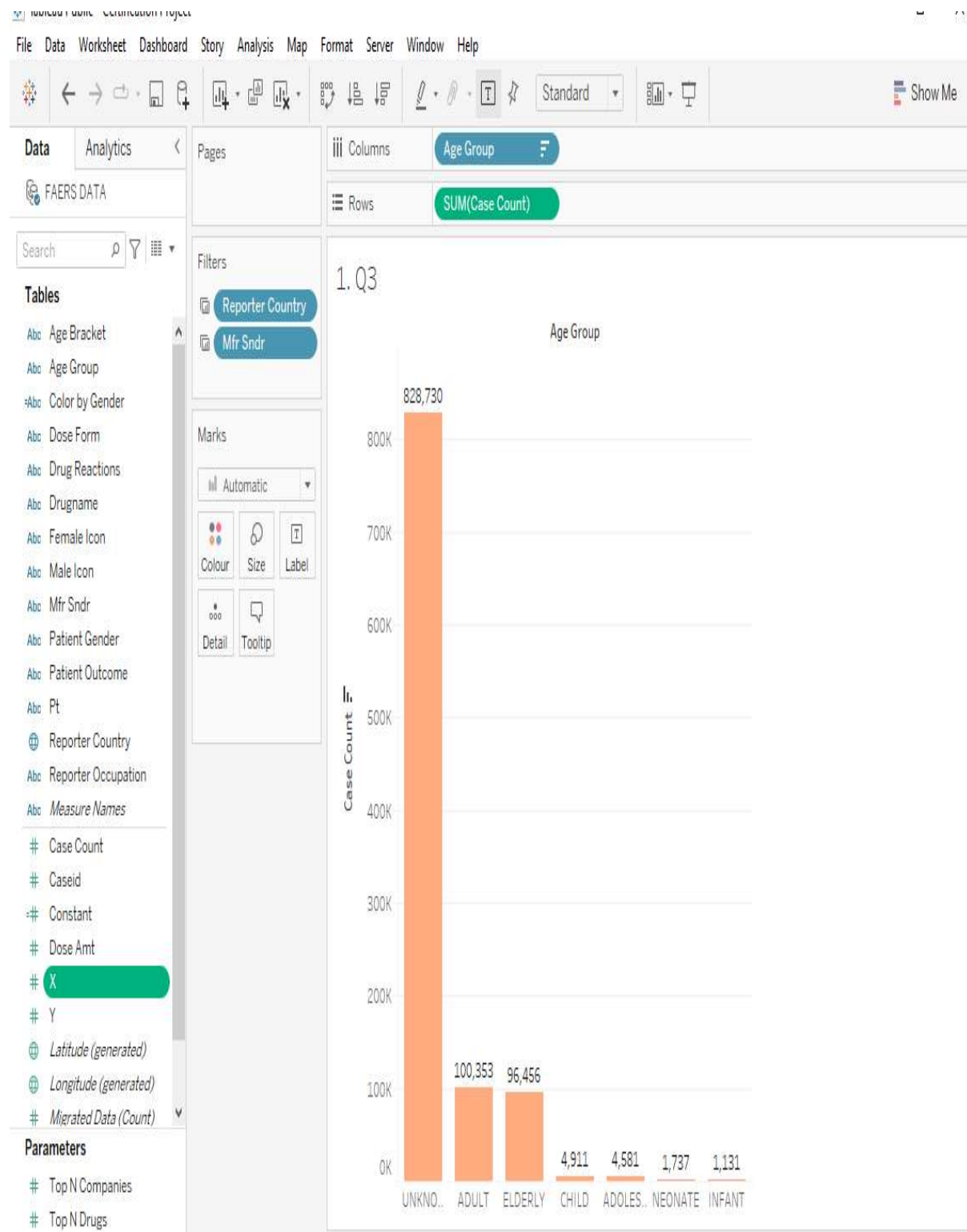
1.A Chart that shows the total events occurred across countries



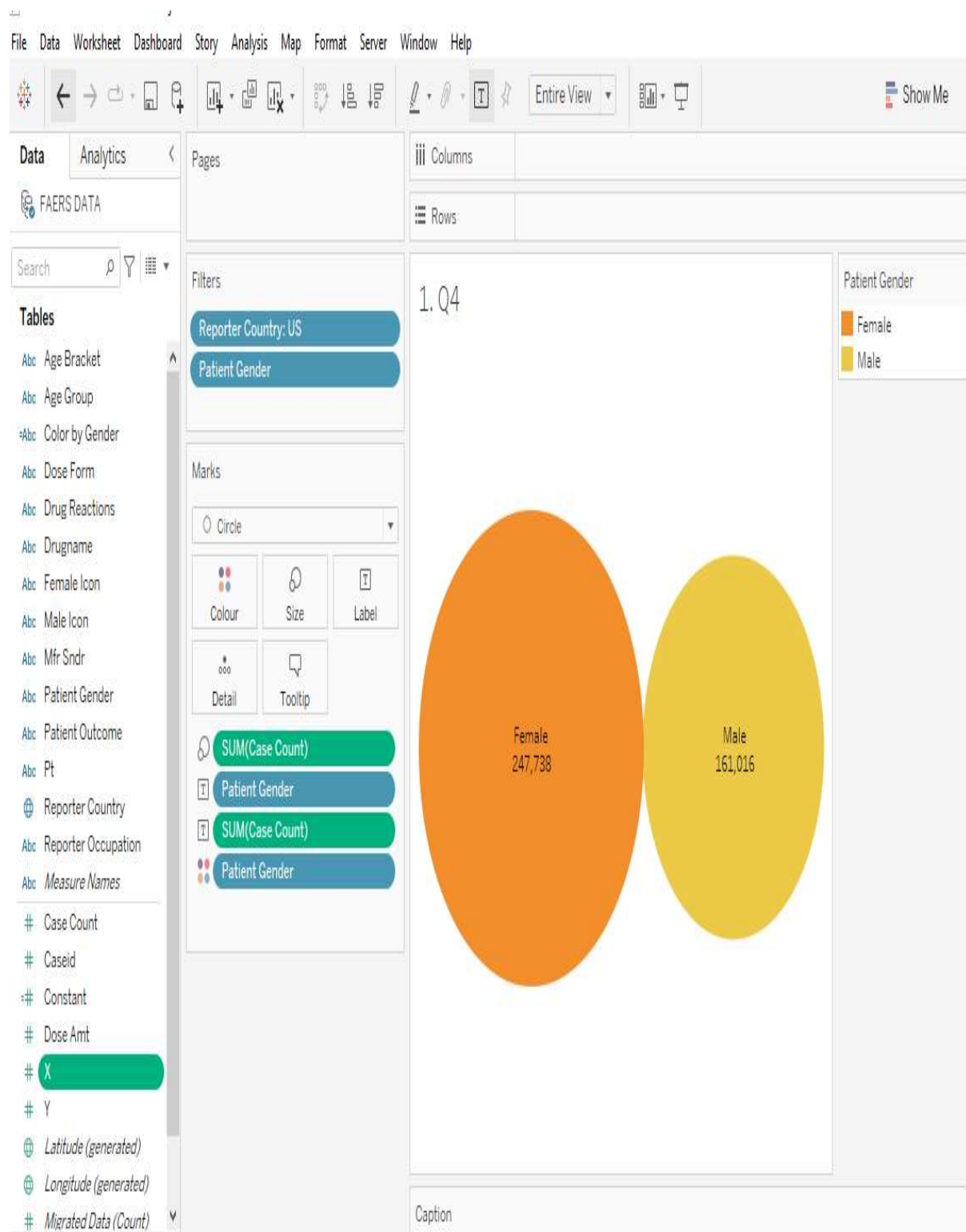
2.A Histogram that shows the event distribution by age groups



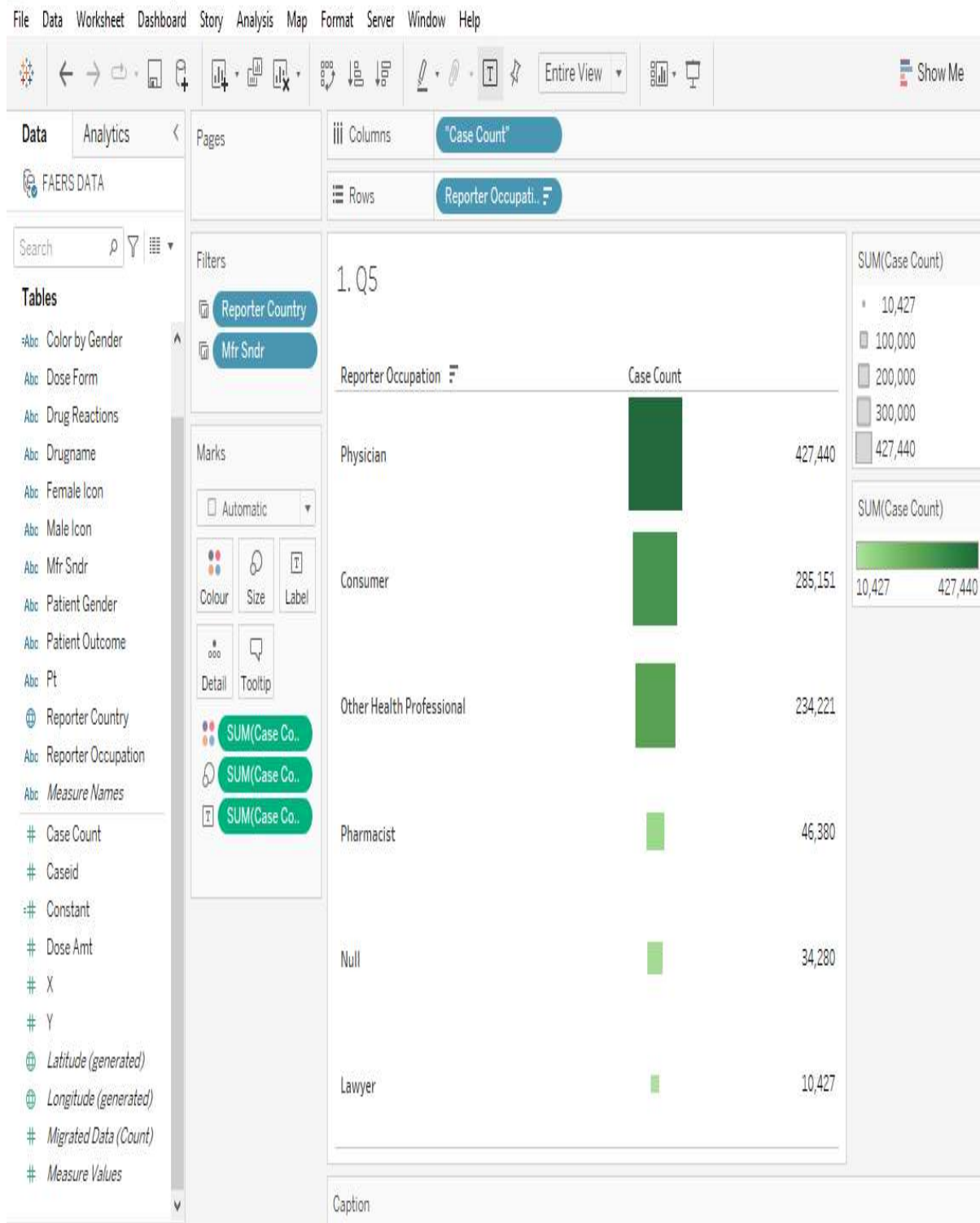
3.A Chart that shows the events occurred across different age groups.



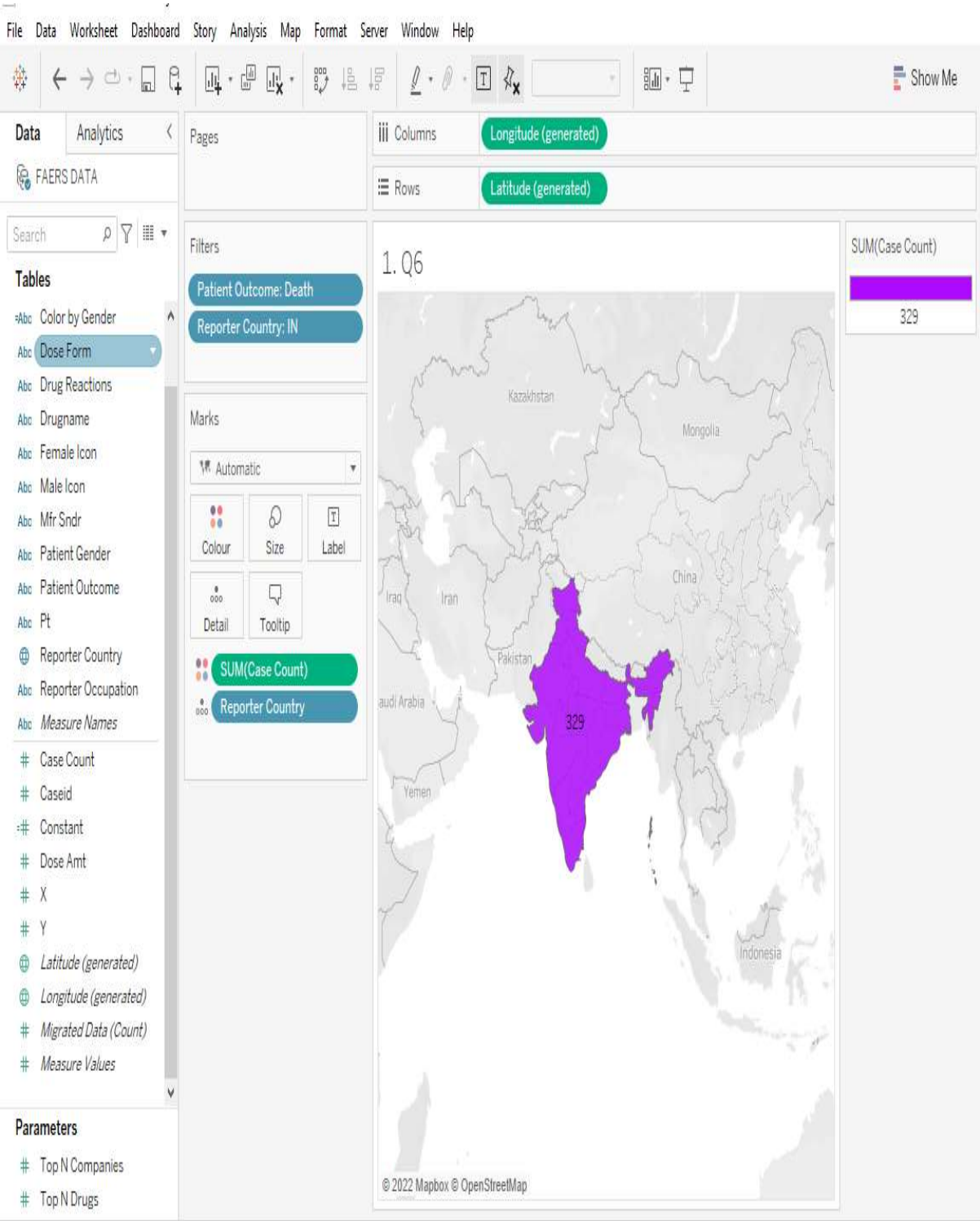
4.A Chart that shows the events occurred by gender and highlight the gender that was impacted the most in United States



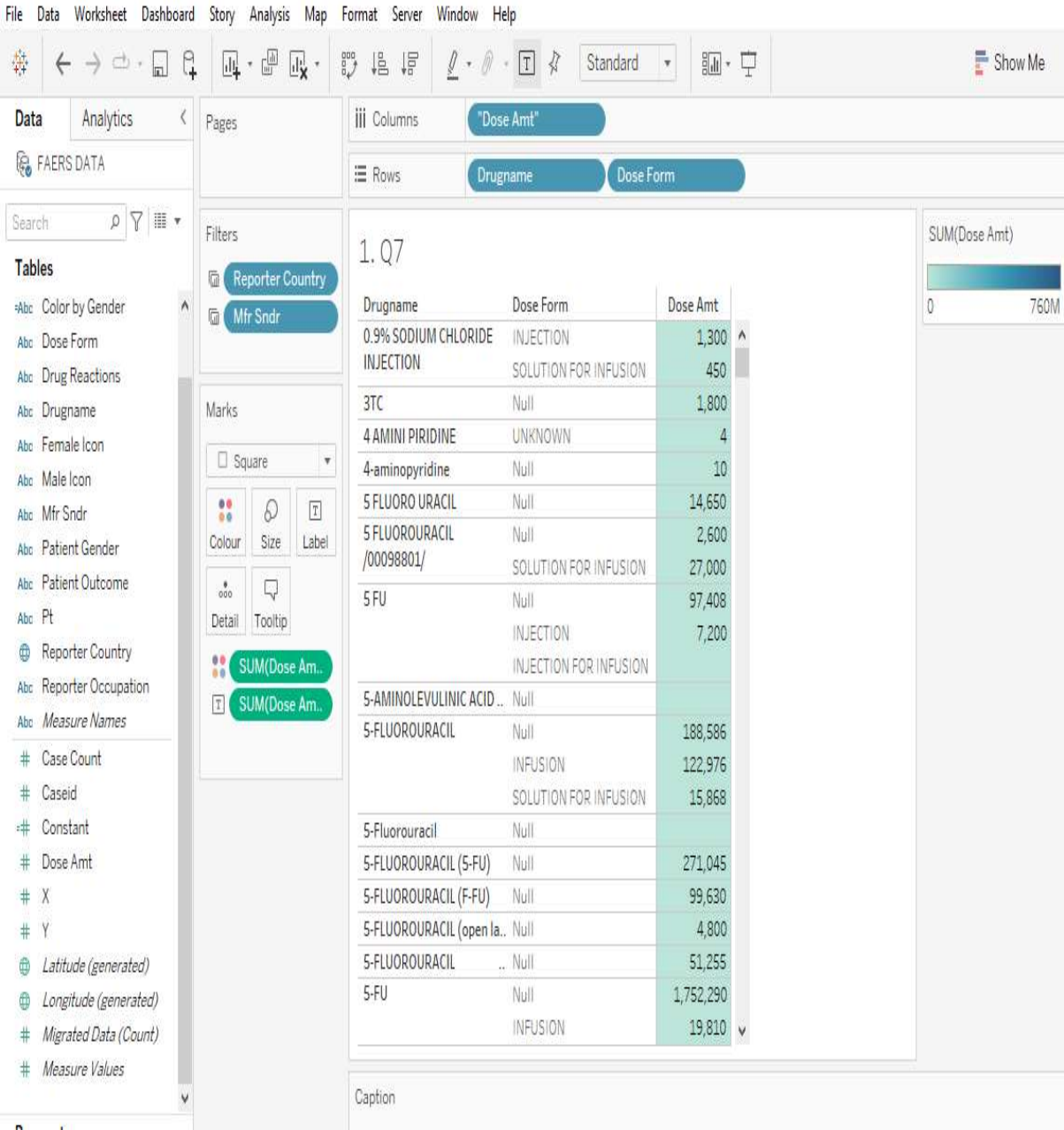
5. A Chart that demonstrates the profession which reported the most events across the globe.



6.A Chart that demonstrates the outcome of the event, and the number of deaths in India as a result of the adverse even.



7.A Chart that demonstrates the mode of consumption of drugs and the dosage amount.



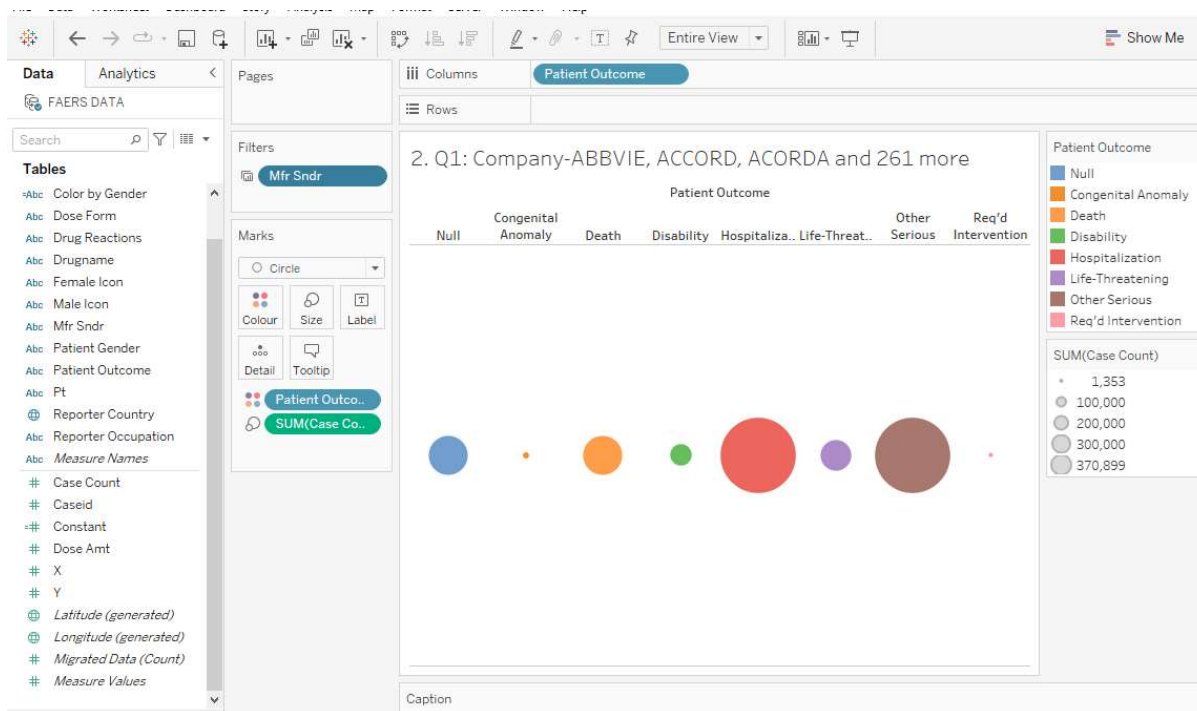
8. Create a filter on country and company and make it interactive by having the country chart as the main chart.



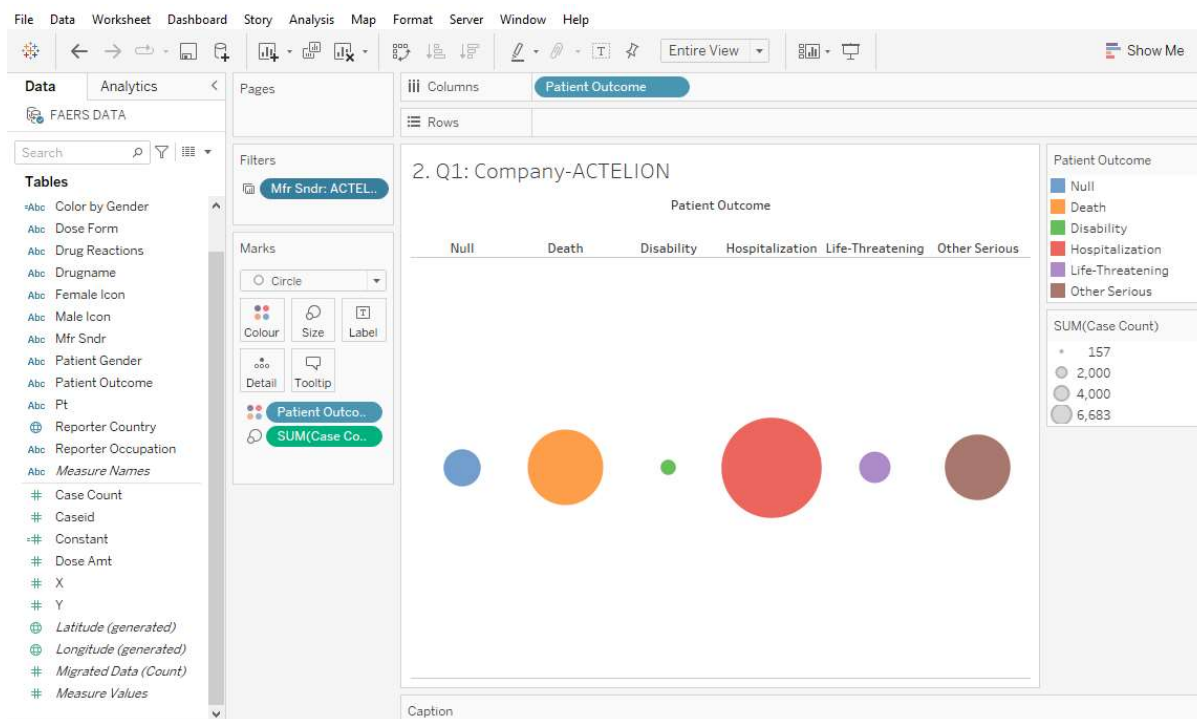
Dashboard 2: Drug comparator

A Comparative Chart, through which the user should be able to compare the effectiveness of drugs and identify the company that has the drugs with lower side effects. Here, the user can select two companies and drugs and make a comparison on the effectiveness of drugs

1.Total outcome by taking the drug (Death, Life threatening etc)

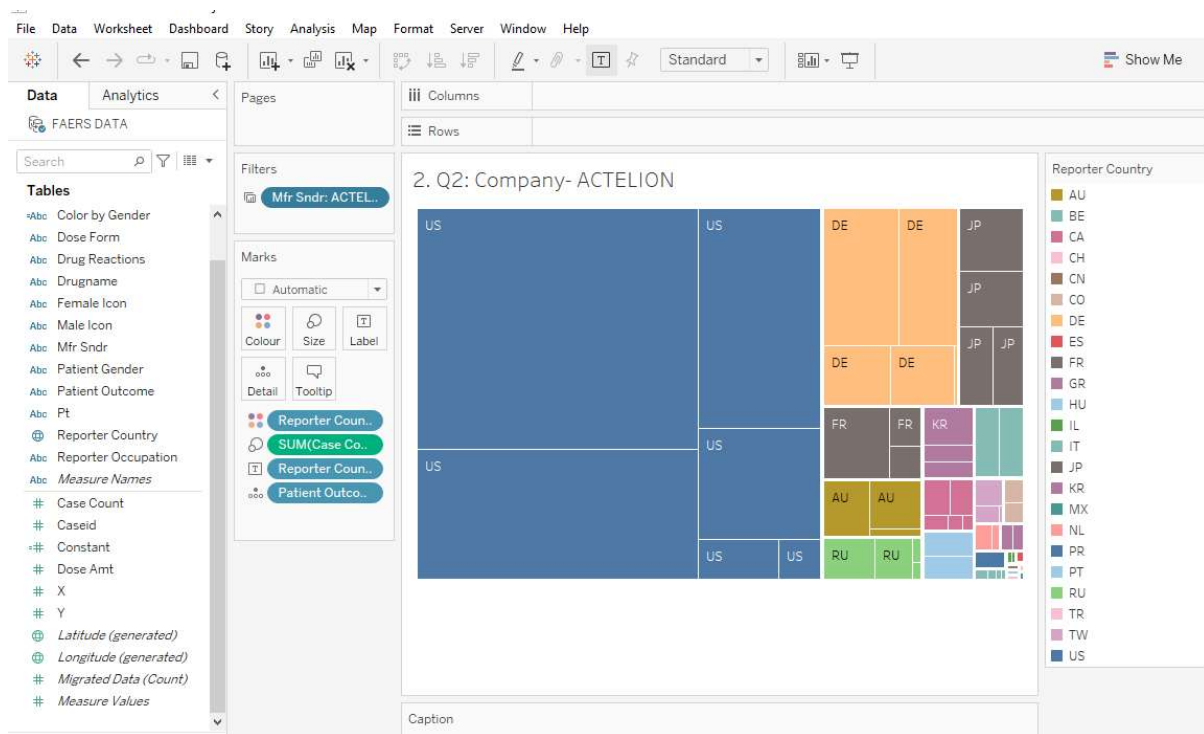


1.1 Total outcome by taking the drug by COMPANY ACTELION

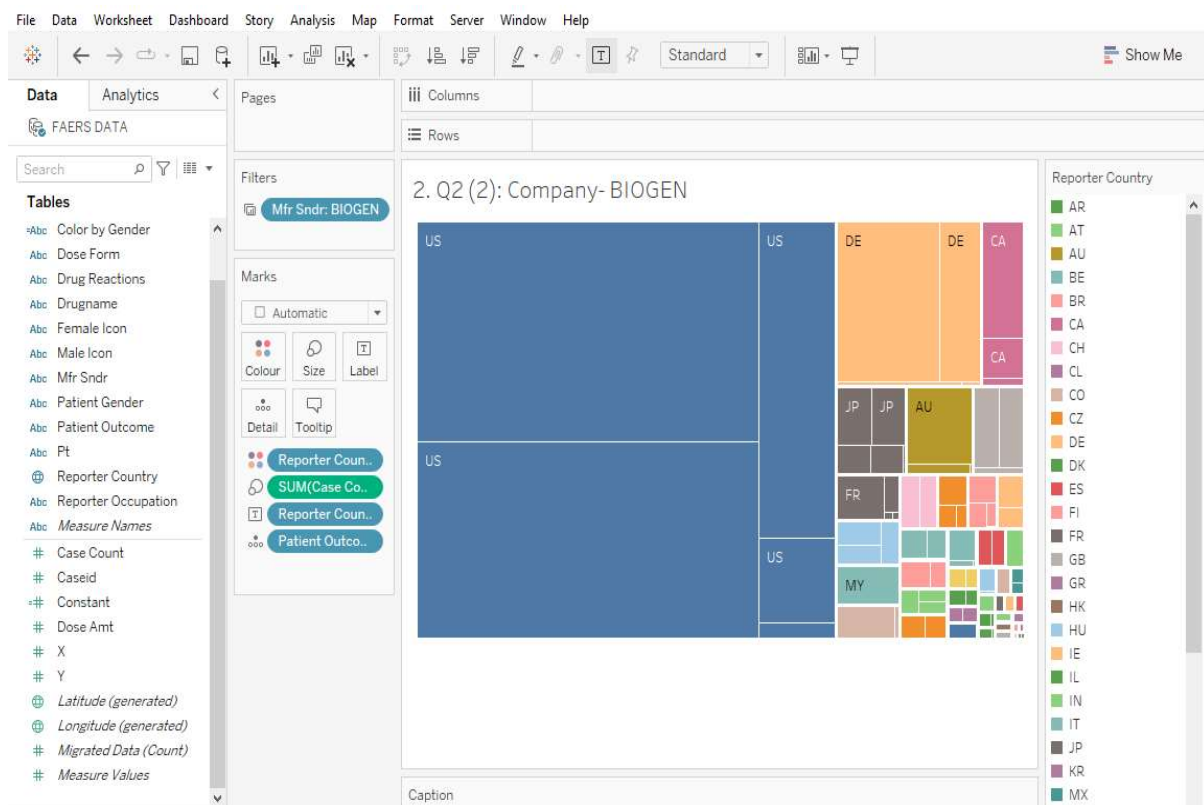


1.2 Total outcome by taking the drug by COMPANY BIOGEN

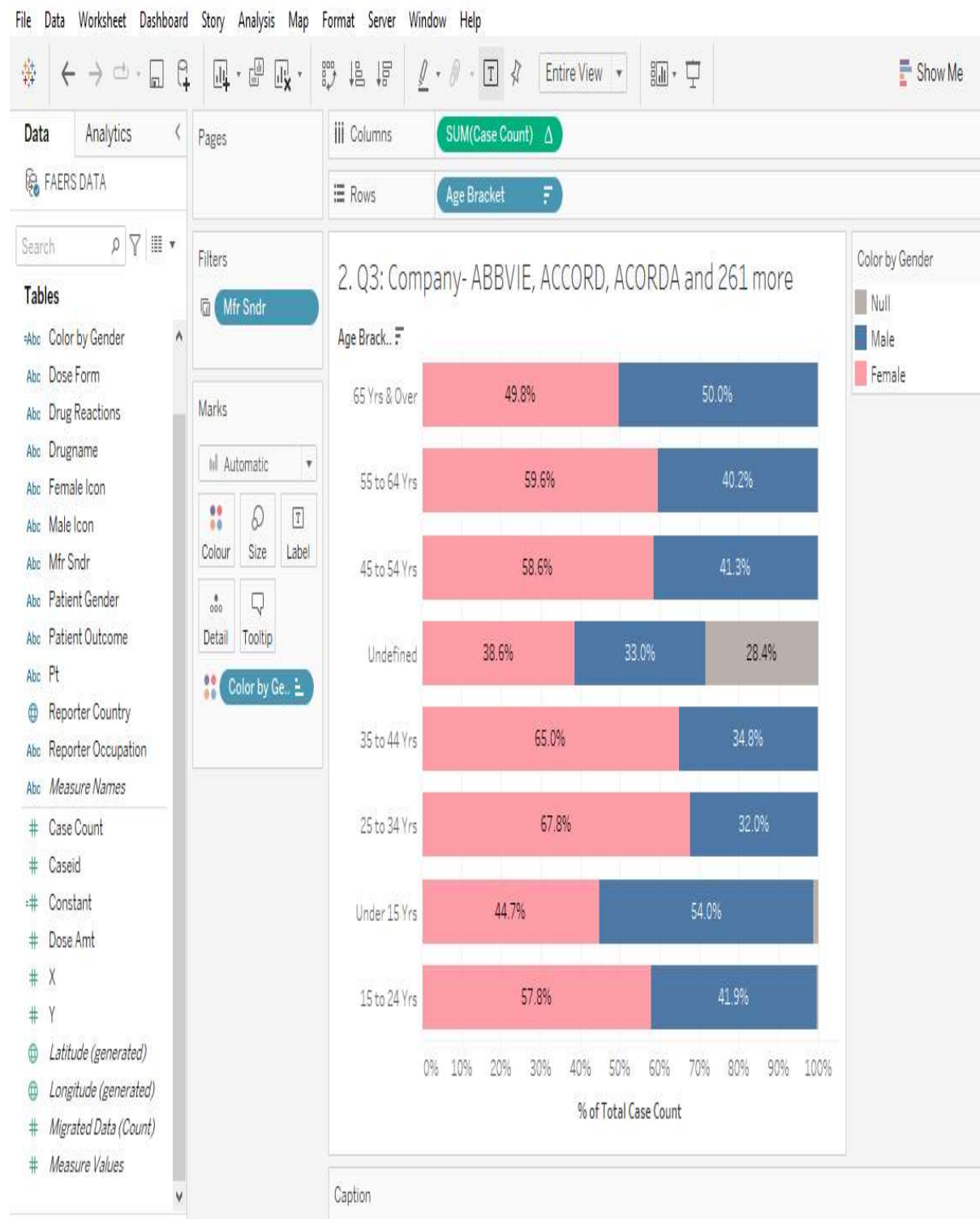
2.1. Location-wise adverse events BY COMPANY ACTELION



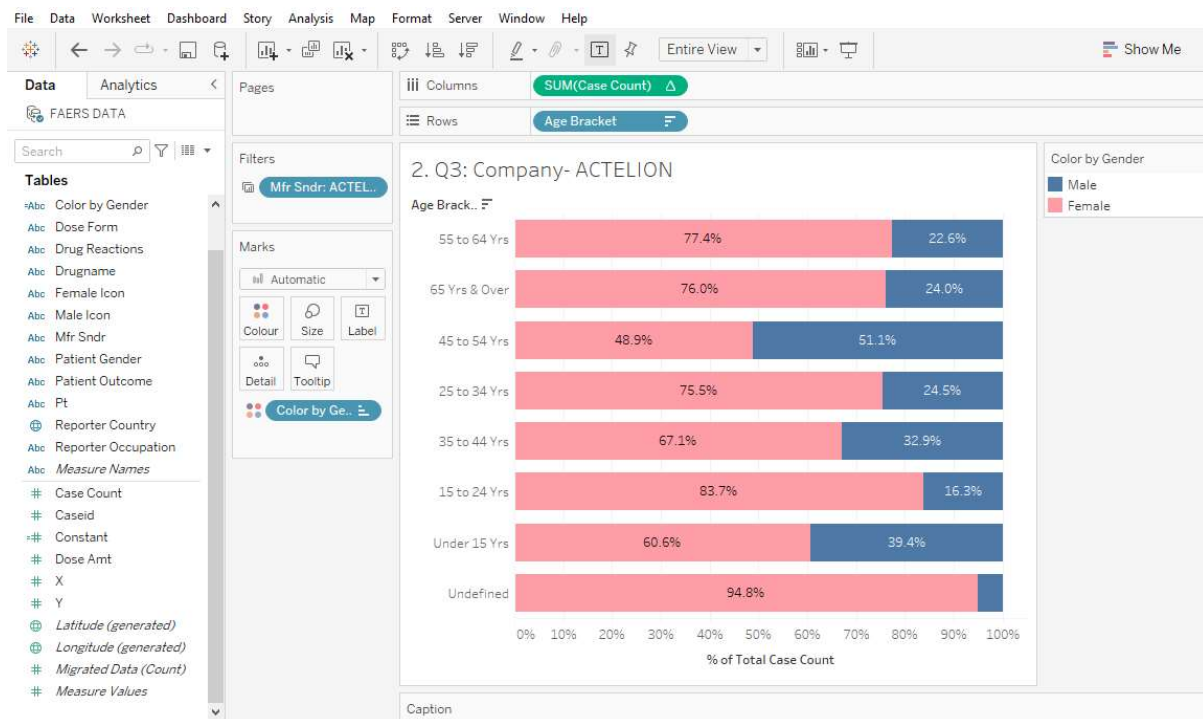
2.2. Location-wise adverse events BY COMPANY BIOGEN



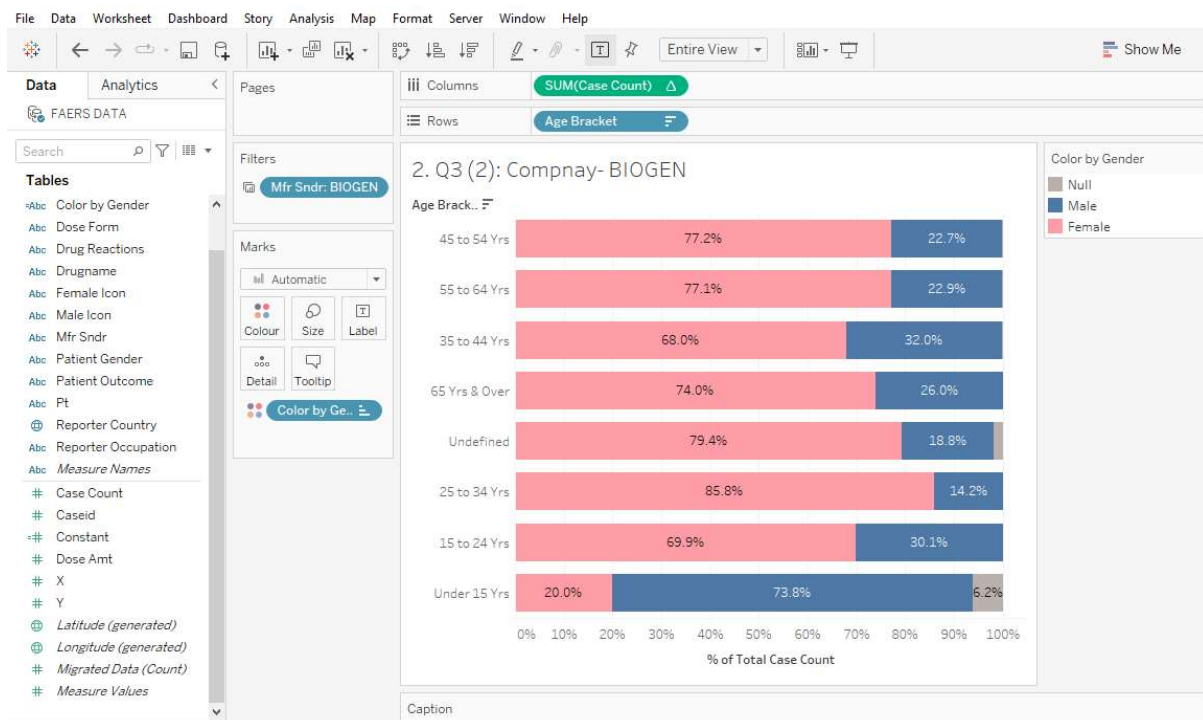
3.The event distribution by age and gender



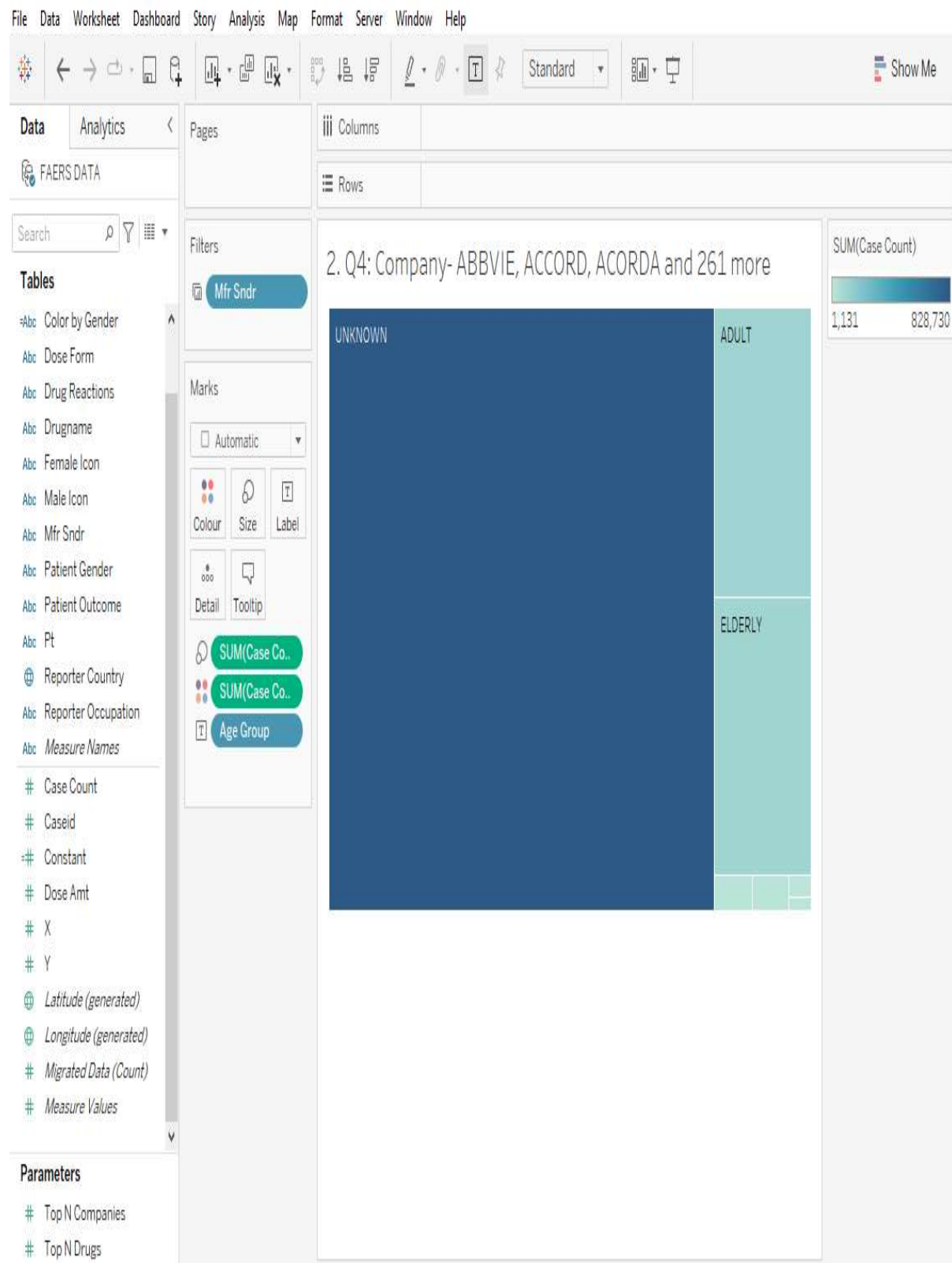
3.1. The event distribution by age and gender BY COMPANY ACTELION



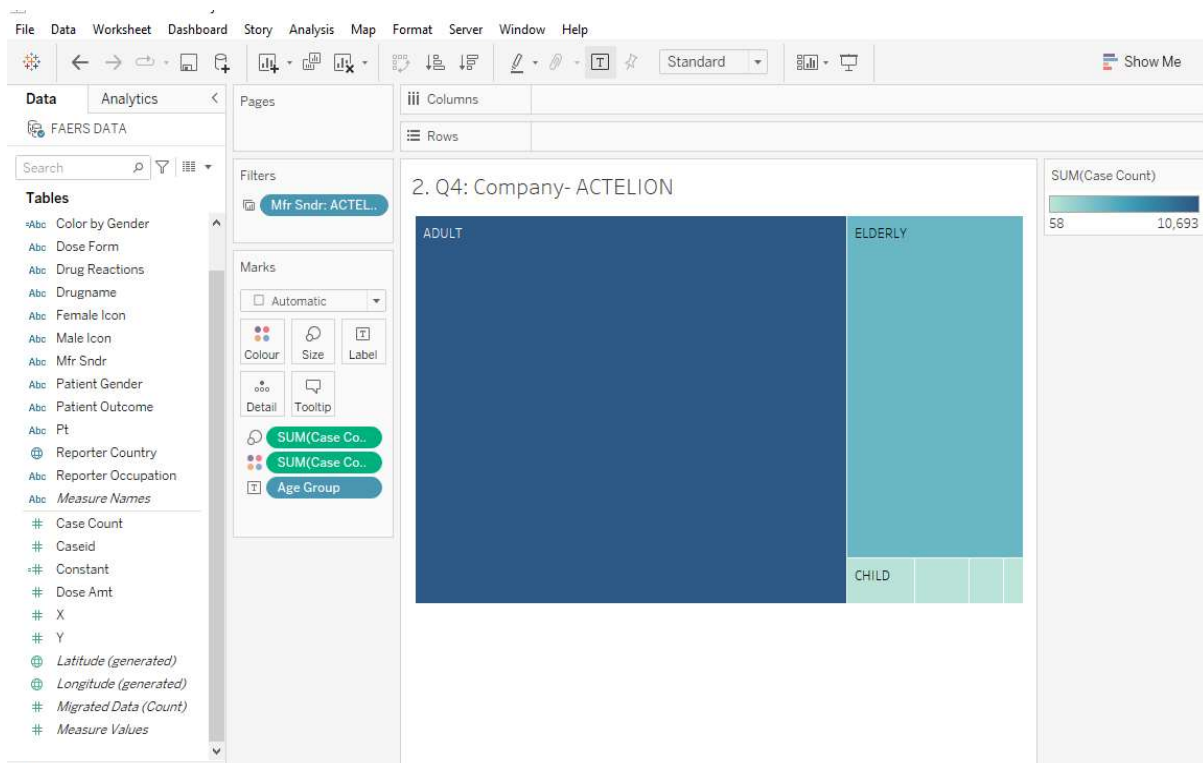
3.2. The event distribution by age and gender BY COMPANY BIOGEN



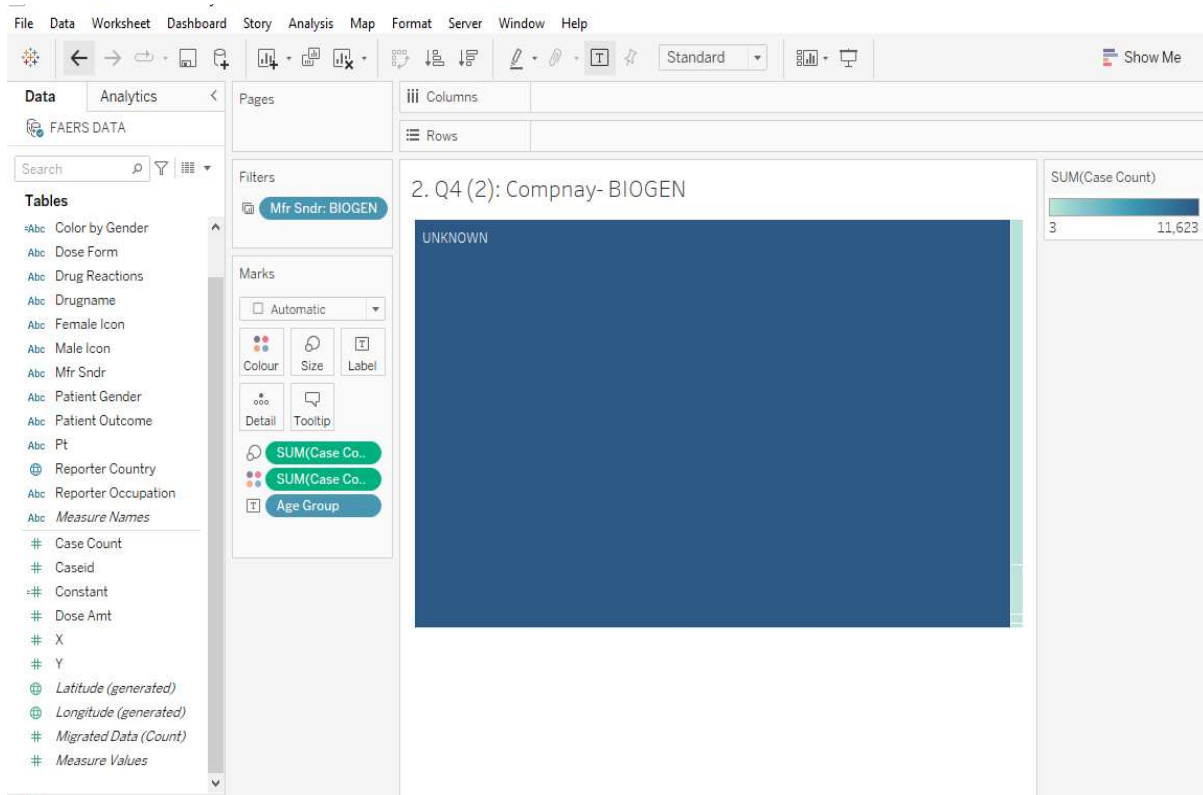
4.The event distribution by age group.



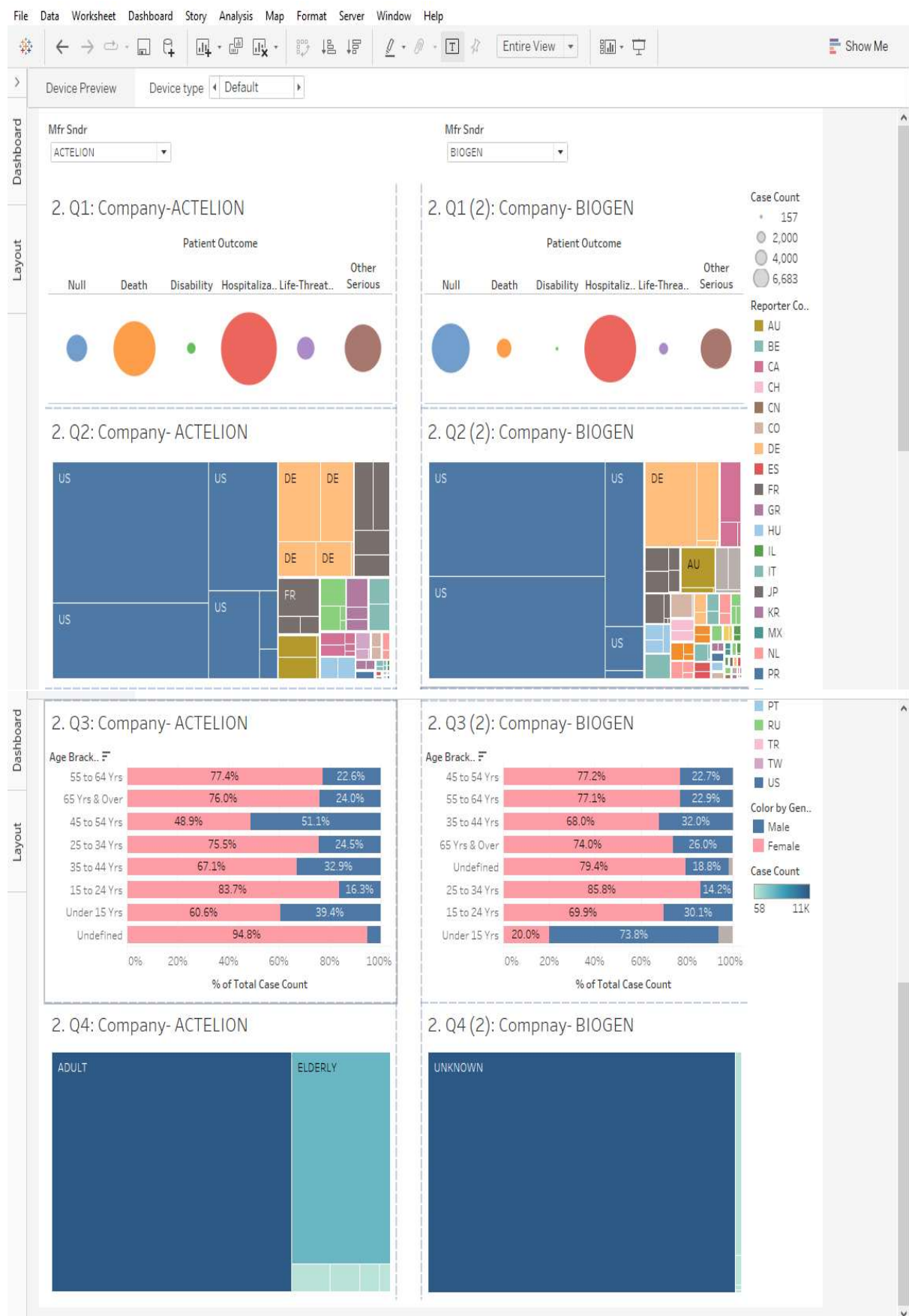
4.1. The event distribution by age group BY COMPANY ACTELION



4.2. The event distribution by age group BY COMPANY BIOGEN

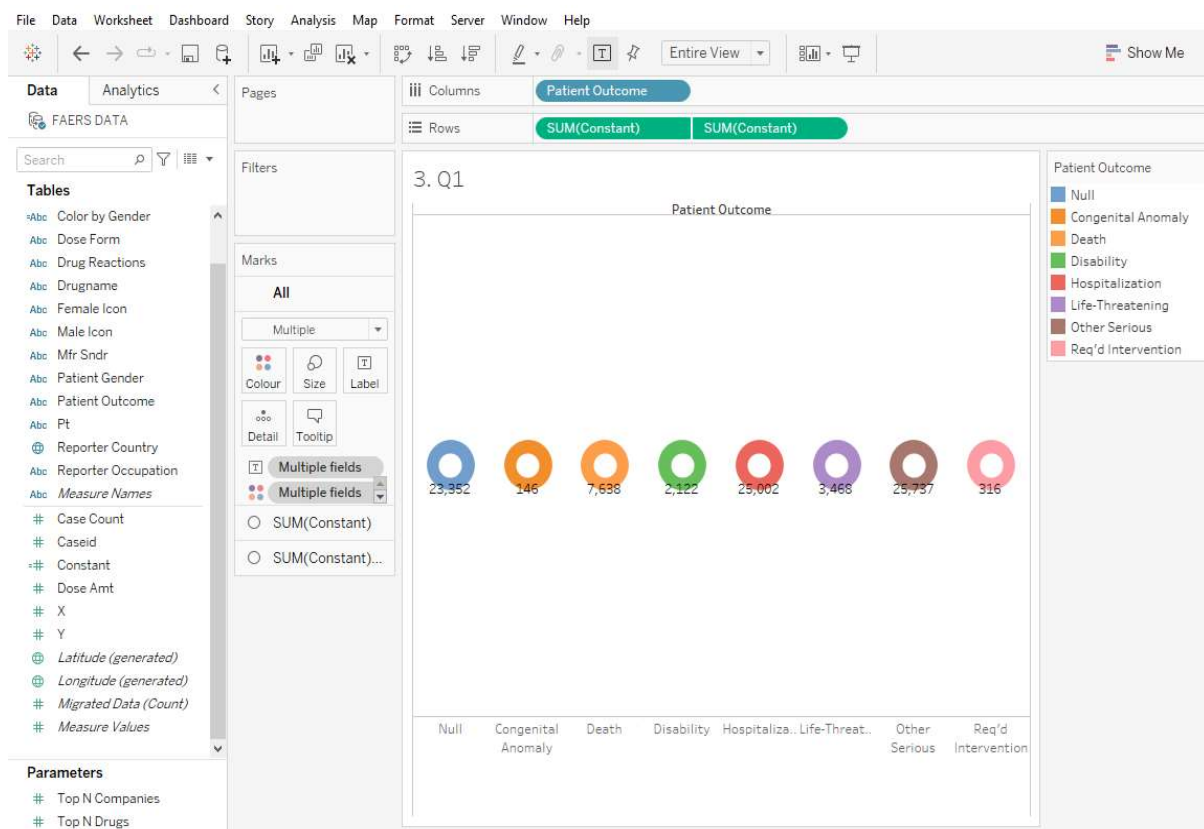


Dashboard 2

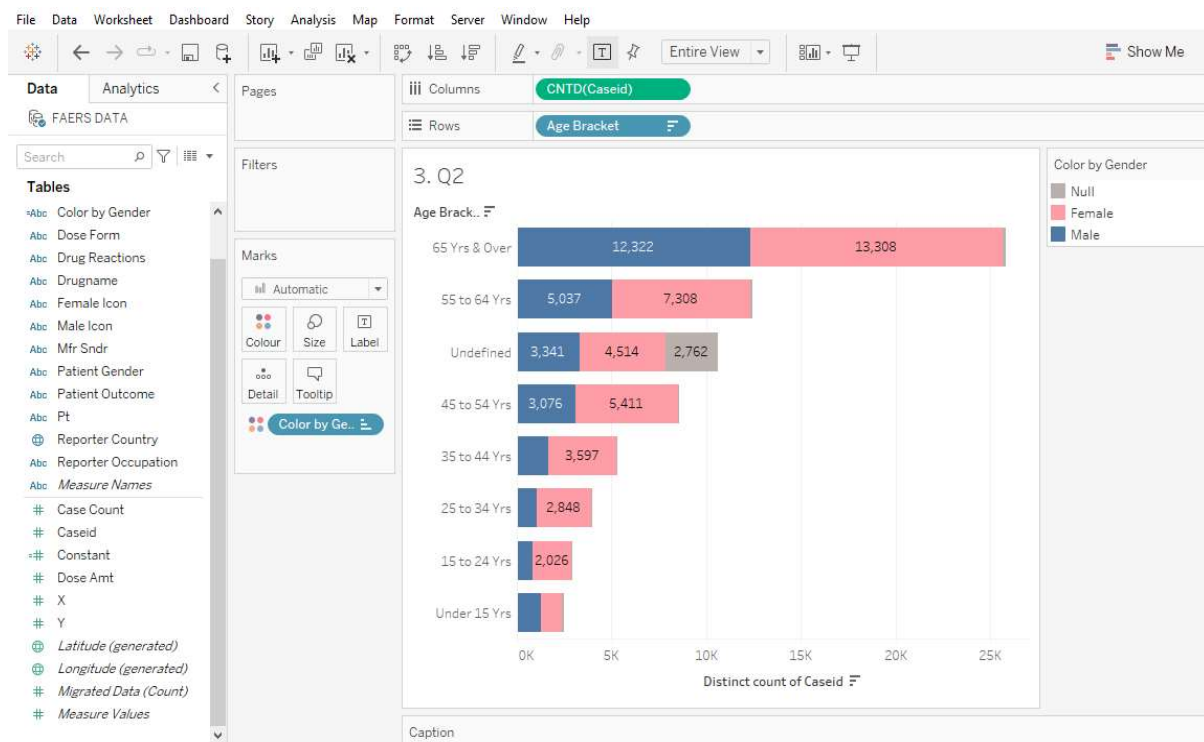


Dashboard 3, create the following charts:

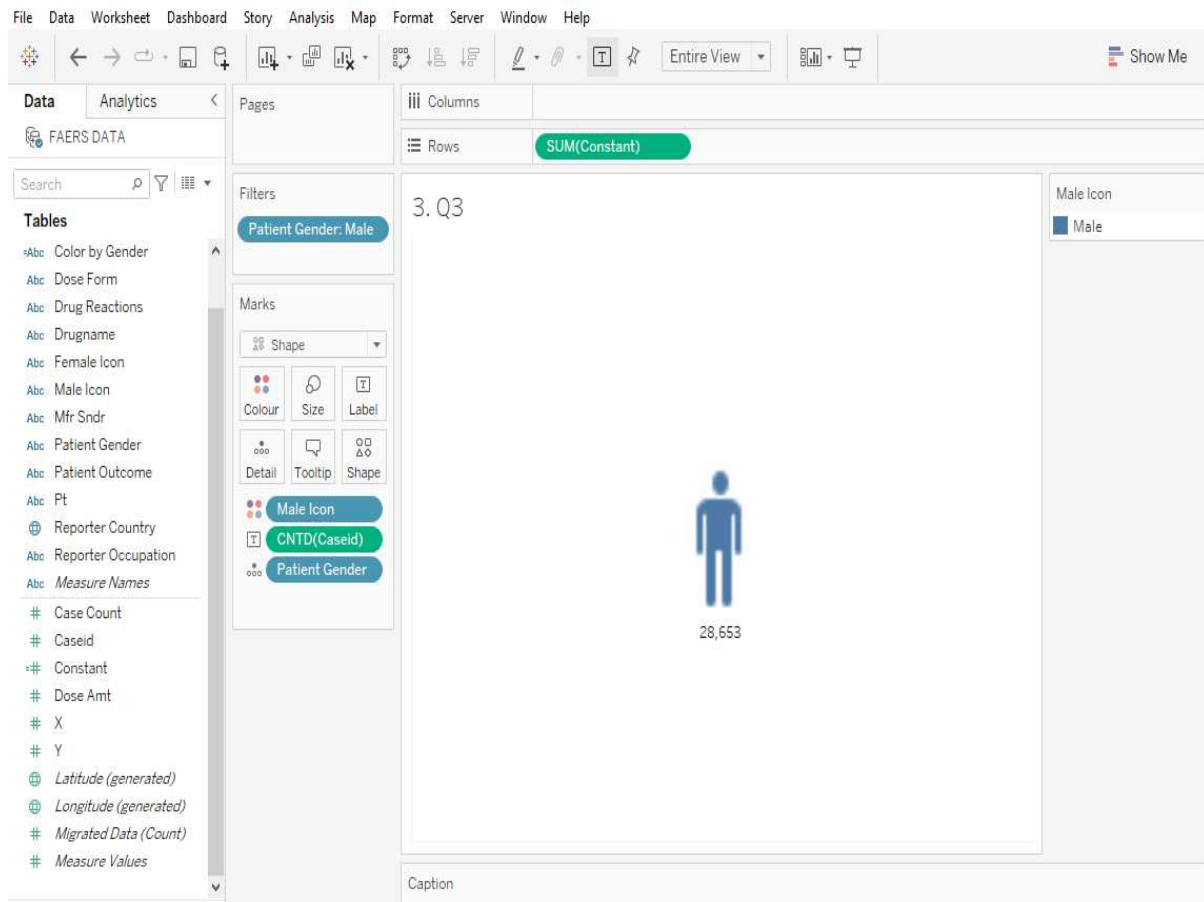
1.A Chart displaying the total number of cases reported.



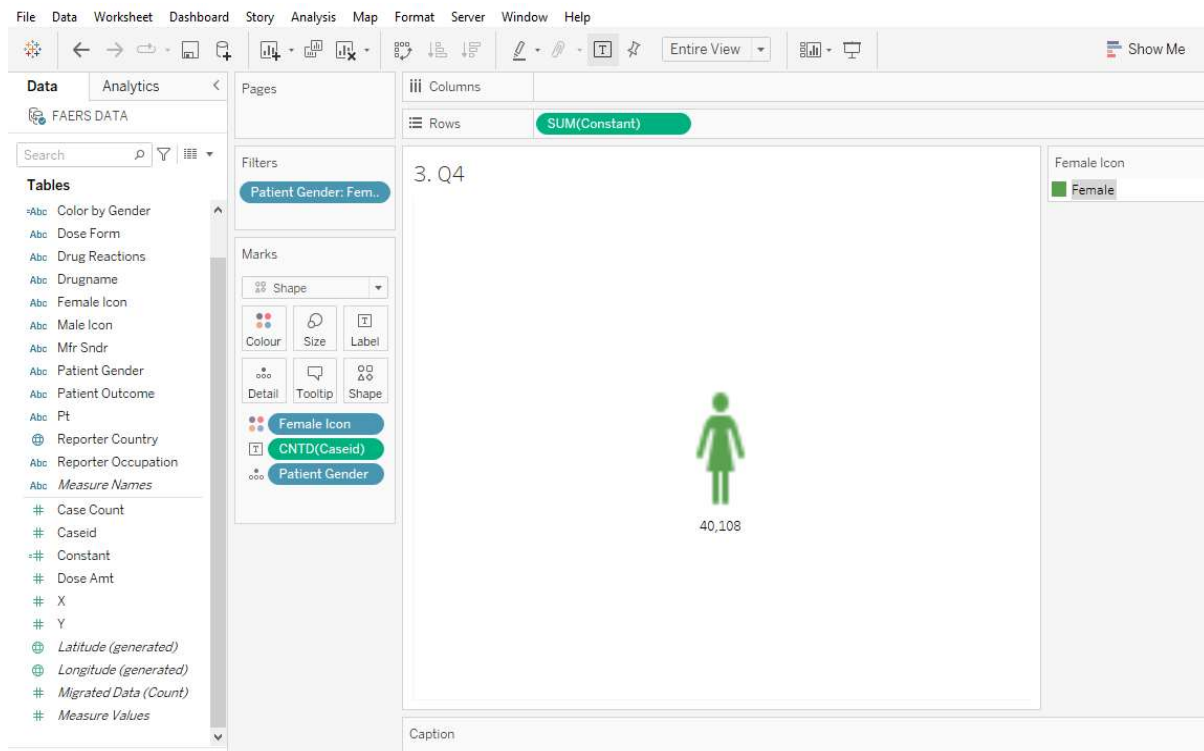
2.A Chart displaying the number of cases reported based on age group and gender.



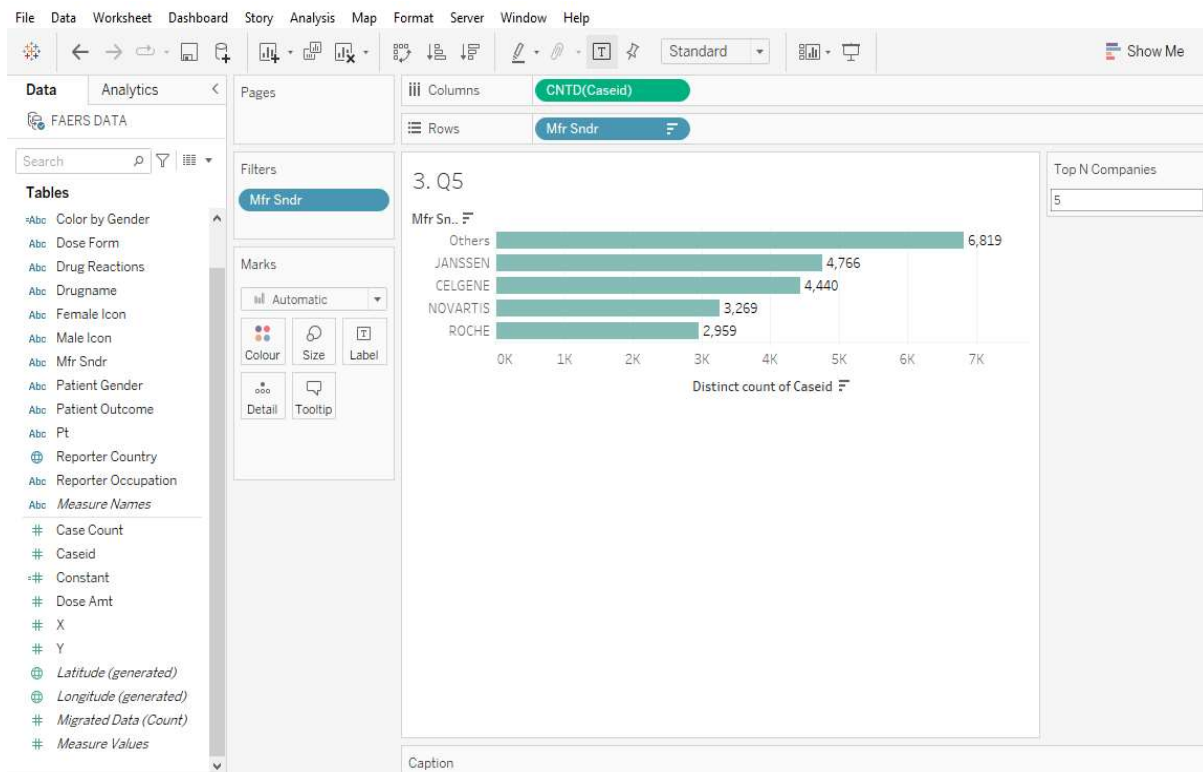
3.A Chart showing the number of cases recorded where the gender was Male



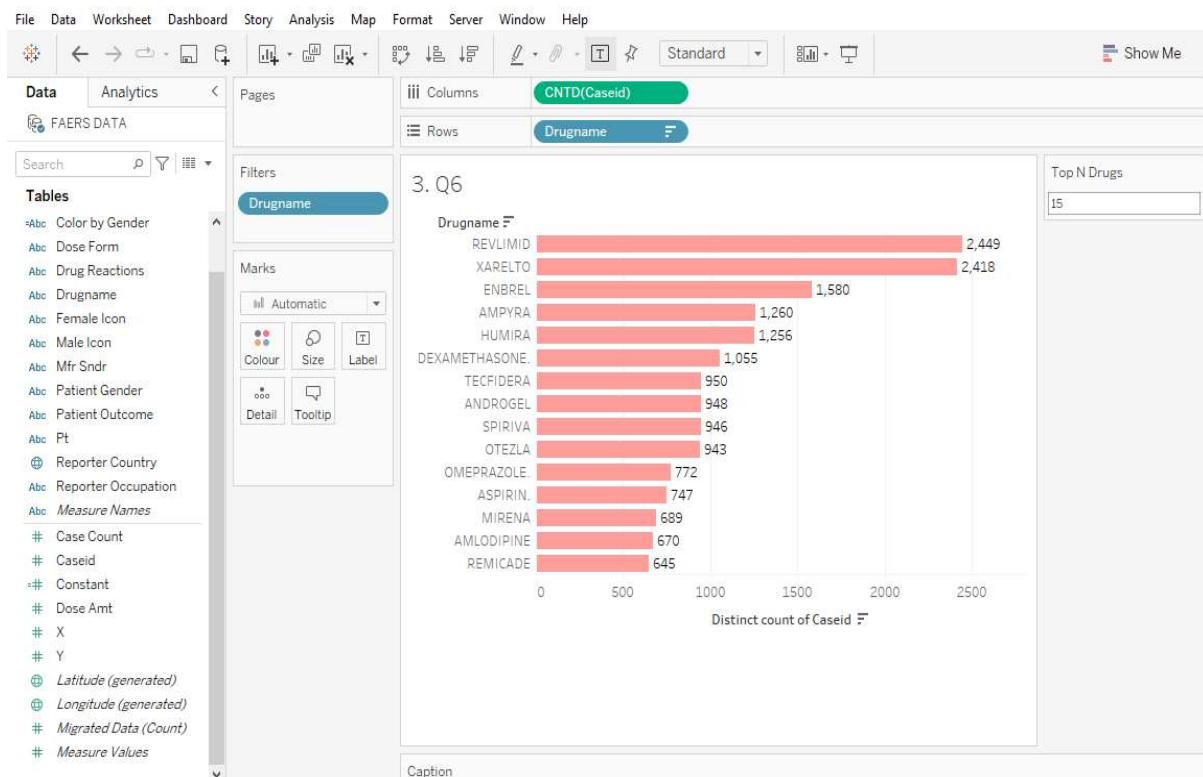
4.A Chart showing the number of cases recorded where the gender was Female.



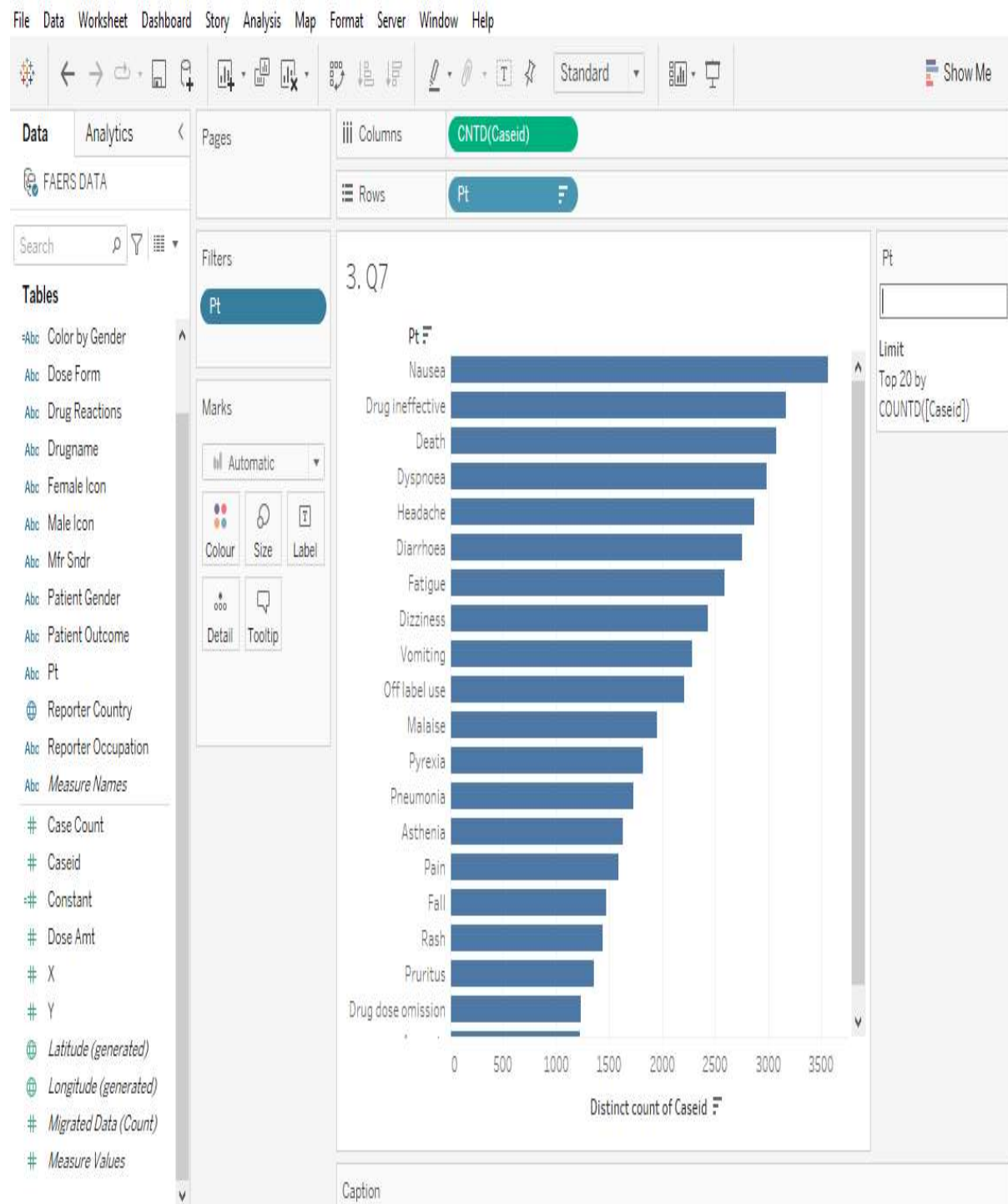
5.A Chart displaying the Top N Companies based on cases.



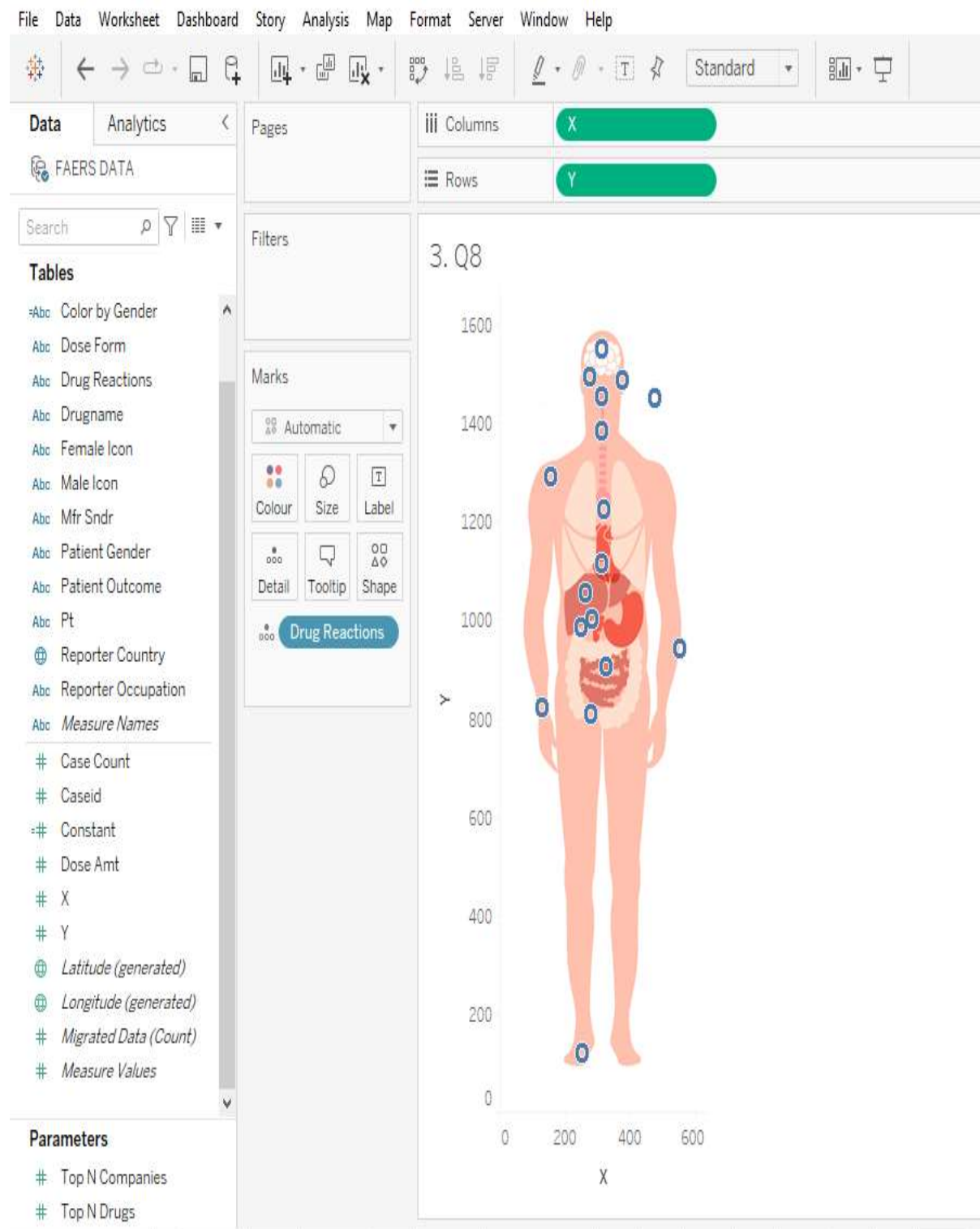
6.A Chart displaying the Top N Drugs based on cases.



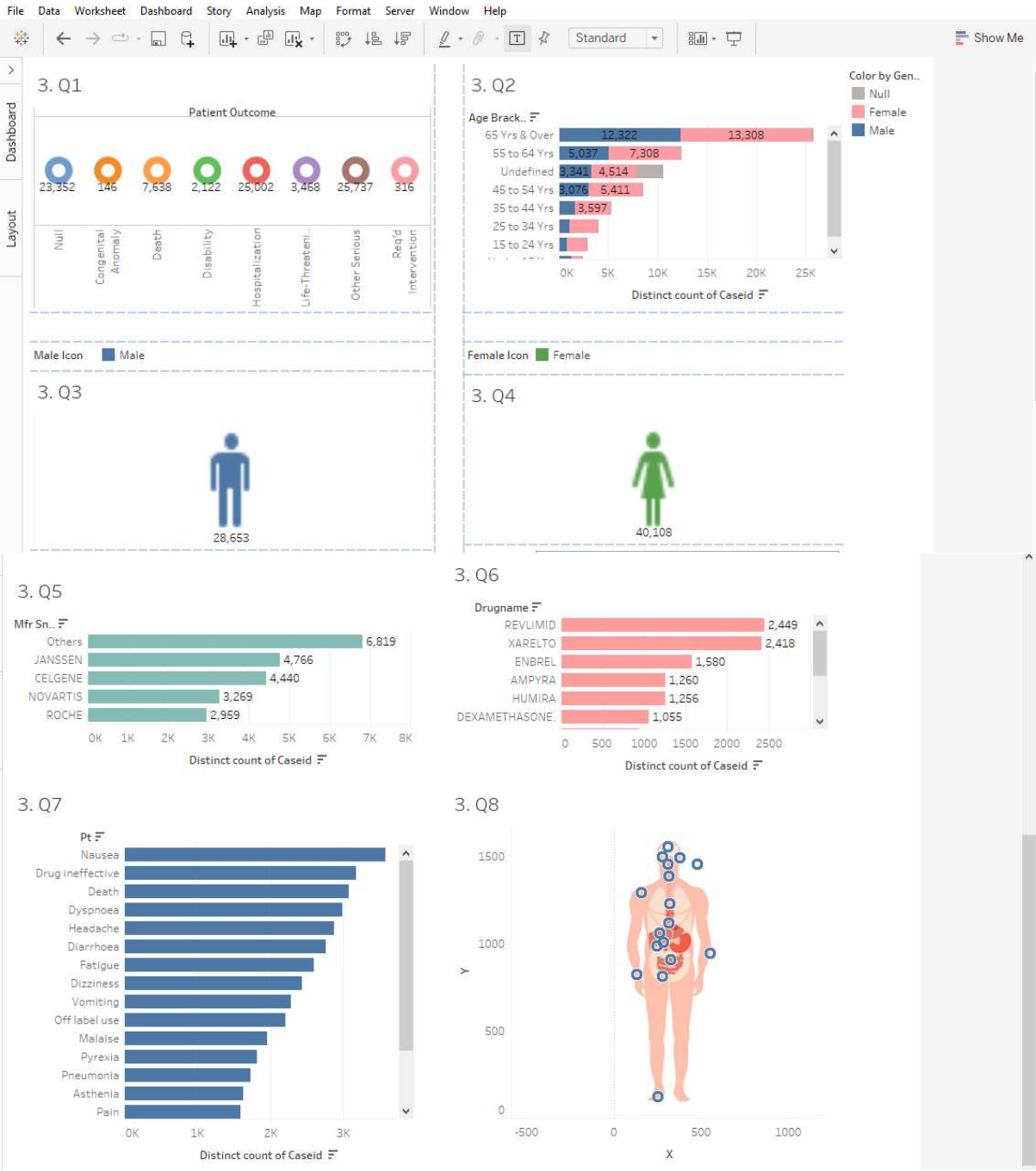
7.A Chart displaying the Top 20 Drug Reactions based on cases (Use Pt field present in the dataset)



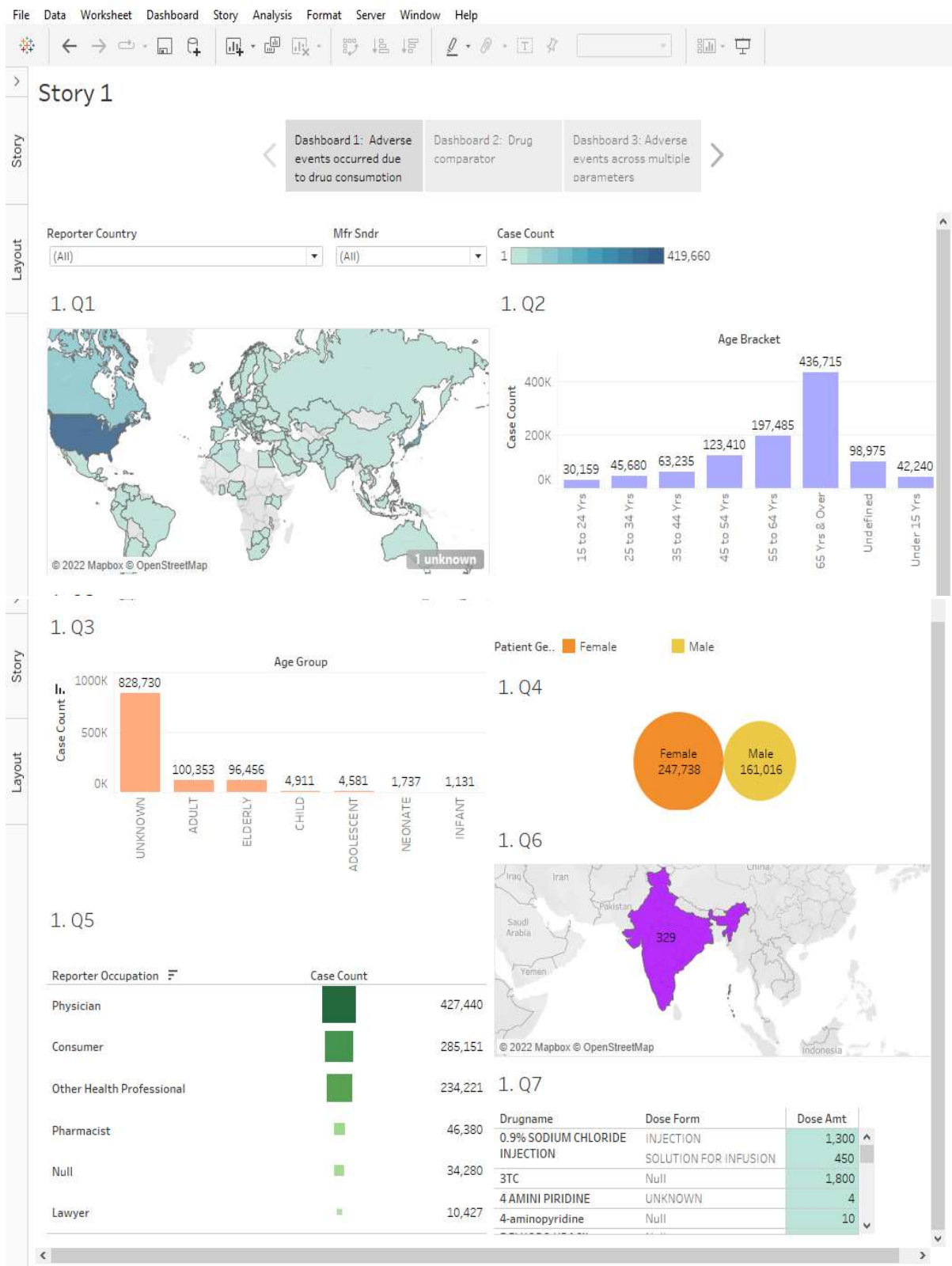
8. Plot an image displaying various human body parts



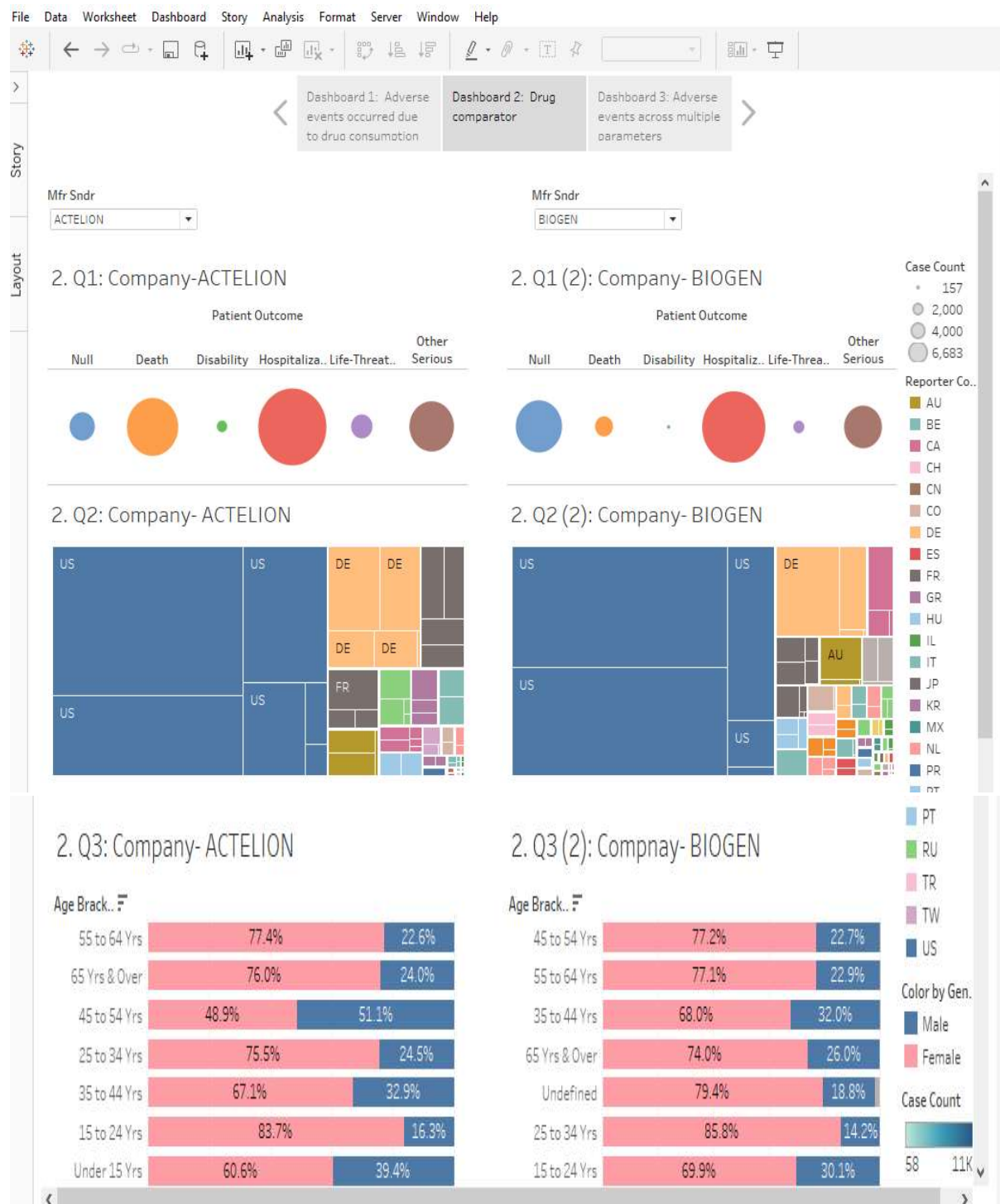
Dashboard 3



Story from the dashboards1.



Story from the dashboards2.



Story from the dashboards3.

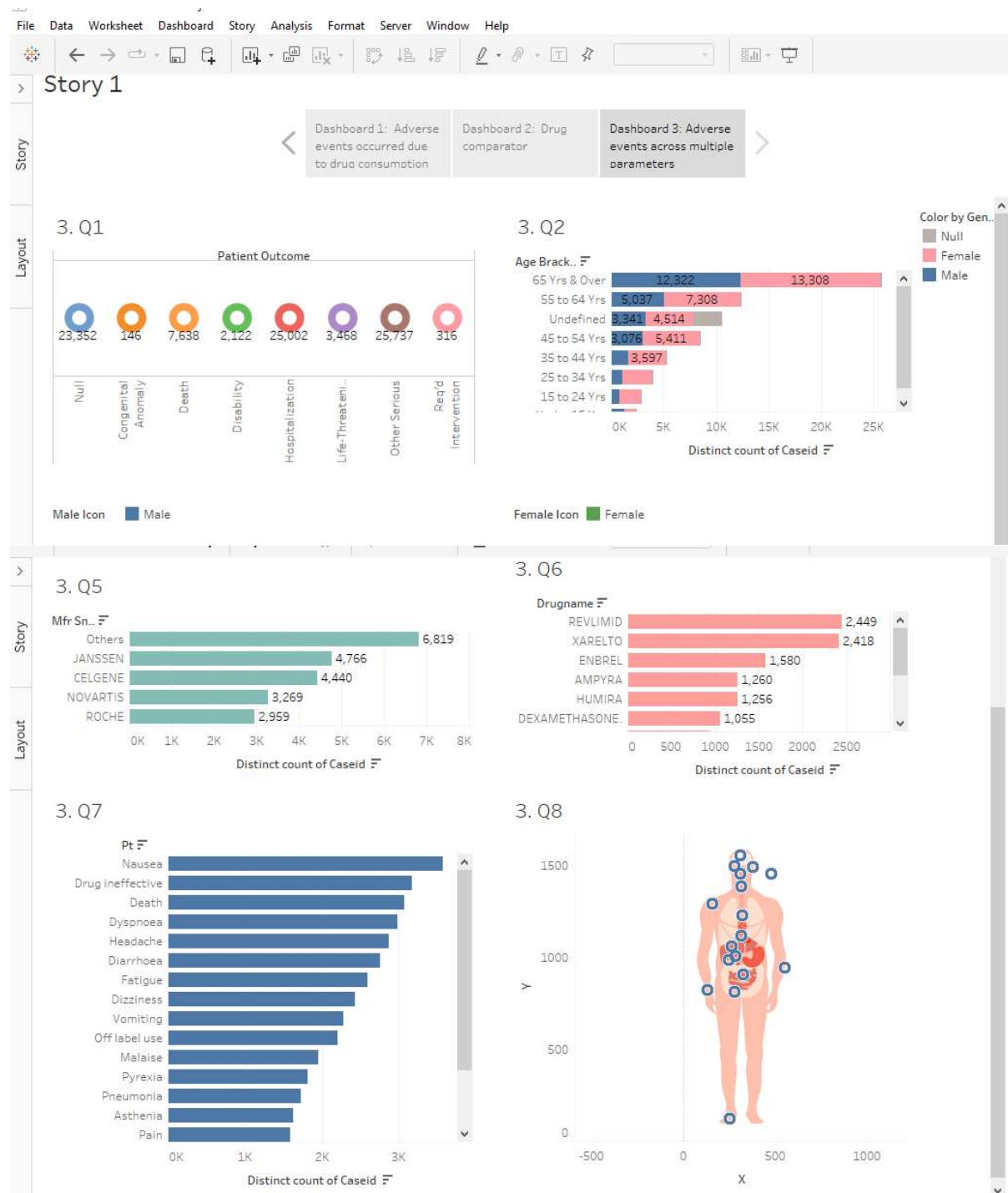


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