

Universal HEALTHCARE Services

Providing Digital Healthcare Services
at Patients Doorstep and
Affordable Healthcare For All



National Hospital Based Multi-Centric Diabetes Registry-HMDR



OFTEN
THIRSTY



HIGH BLOOD
PRESSURE



OFTEN
HUNGRY



BLURRED
VISION



WEIGHT
GAIN



FREQUENTLY
URINATION



FEELING
SLEEPY



WOUNDS
HEAL SLOWLY



FEELING
WEAK



SRM HOSPITAL, CHENNAI

OVERVIEW OF DATA COLLECTED AND USED

a. Datatype

This dataset has both numerical as well as categorical data. It contains the data of 3,347 patient's live data who are suffering from different diseases and has common disease of diabetes mellitus. It has the patient's age, gender, state and other aspects of the disease and the medications given to them. The dataset has 585 columns which covers all the aspects of the patient's health. This dataset is the data collected on daily basis of 7 different hospitals throughout India.. With the help of different causes, we were able to extract different patients who are suffering from different diseases.

b. Data Source

Primary Source: Biotechnology Industry Research Assistance Council (BIRAC) is a not-for-profit Section 8, Schedule B, Public Sector Enterprise, set up by Department of Biotechnology (DBT), Government of India as an Interface Agency to strengthen and empower the emerging Biotech enterprise to undertake strategic research and innovation, addressing nationally relevant product development needs.

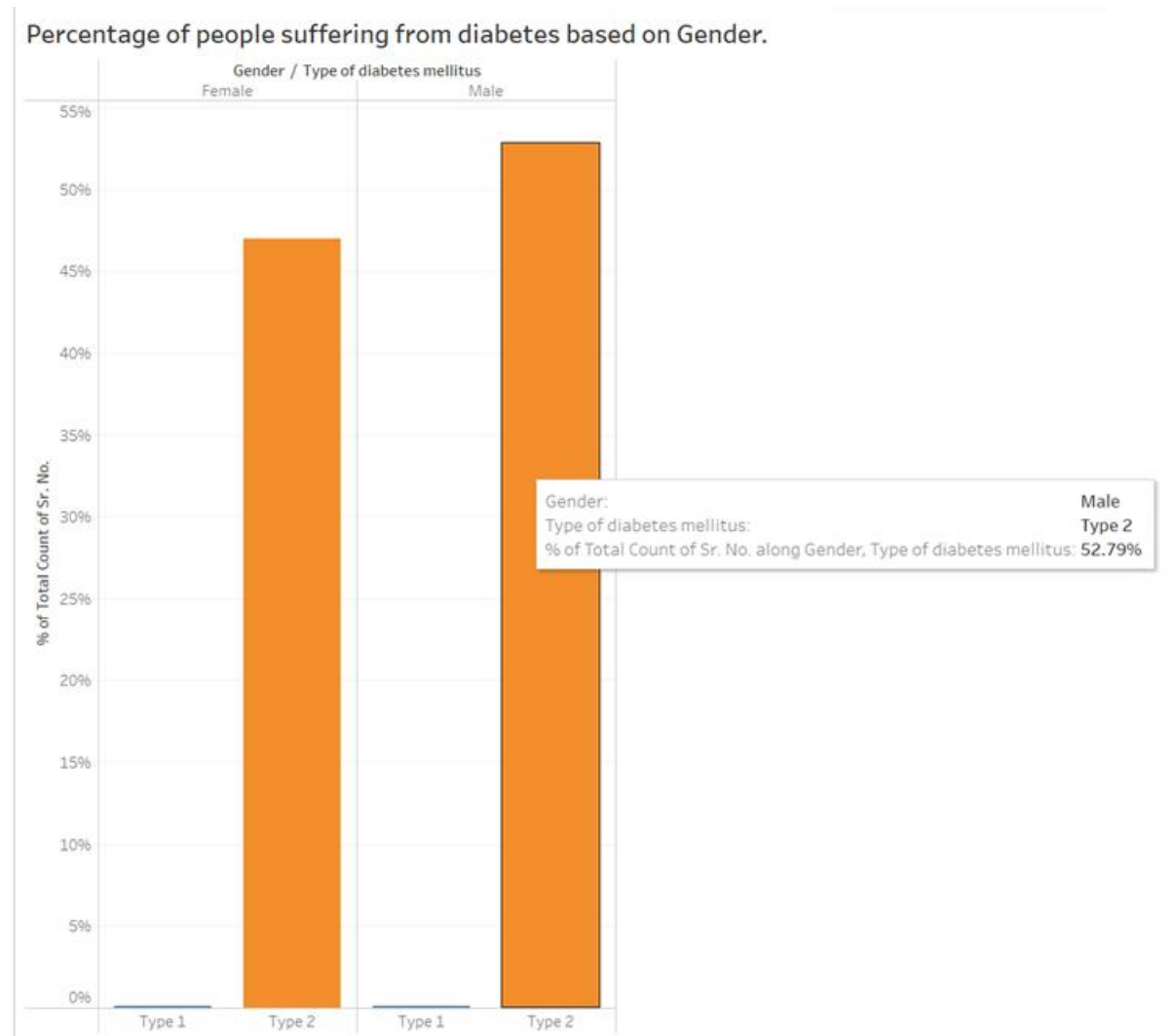
This dataset has been taken from the BIRAC.

1.3 Finding and Impact of Analysis

This part will be talking about the data obtained from primary research and how the results of the data collection relates to the research objective. The data obtained from different patients have been analyzed using Tableau to conduct a percentage analysis to determine different diseases. The percentage scores reveal the current health status of the patients and it may provide valuable insights that is open for interpretation in various ways. In the following section, the data analysis is presented using different graphical tools such pie charts, bar charts, packed bubbles etc. to demonstrate the findings of this research process. The survey findings and analysis is described below with graphical illustrations-

3.1 Finding and impact of analysis

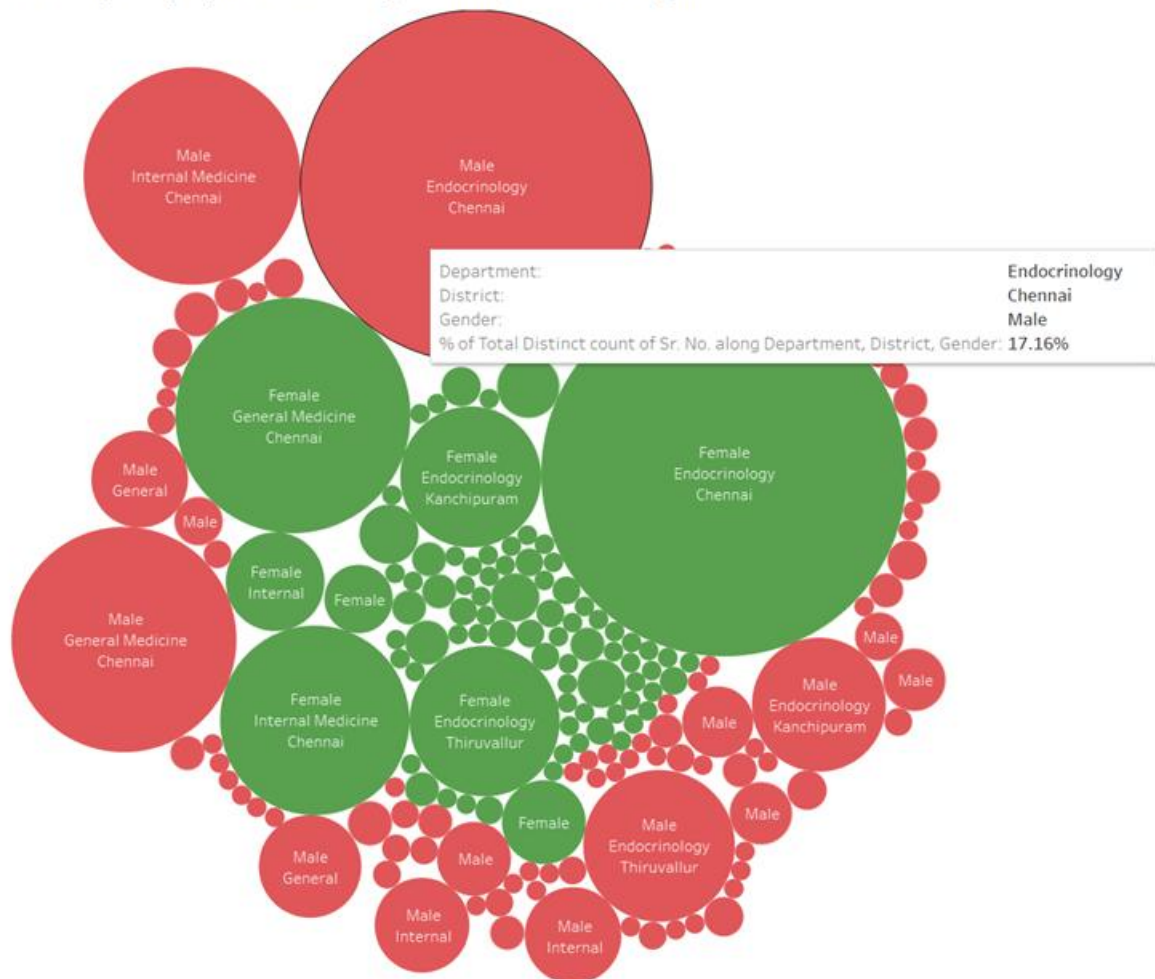
REPORT 1



- The above report contains the types of diabetes mellitus based on gender.
- Type 2 diabetes has shown a higher prevalence in males 52.79% compared to females 47%.
- However, this difference may vary in different populations and regions.

REPORT 2

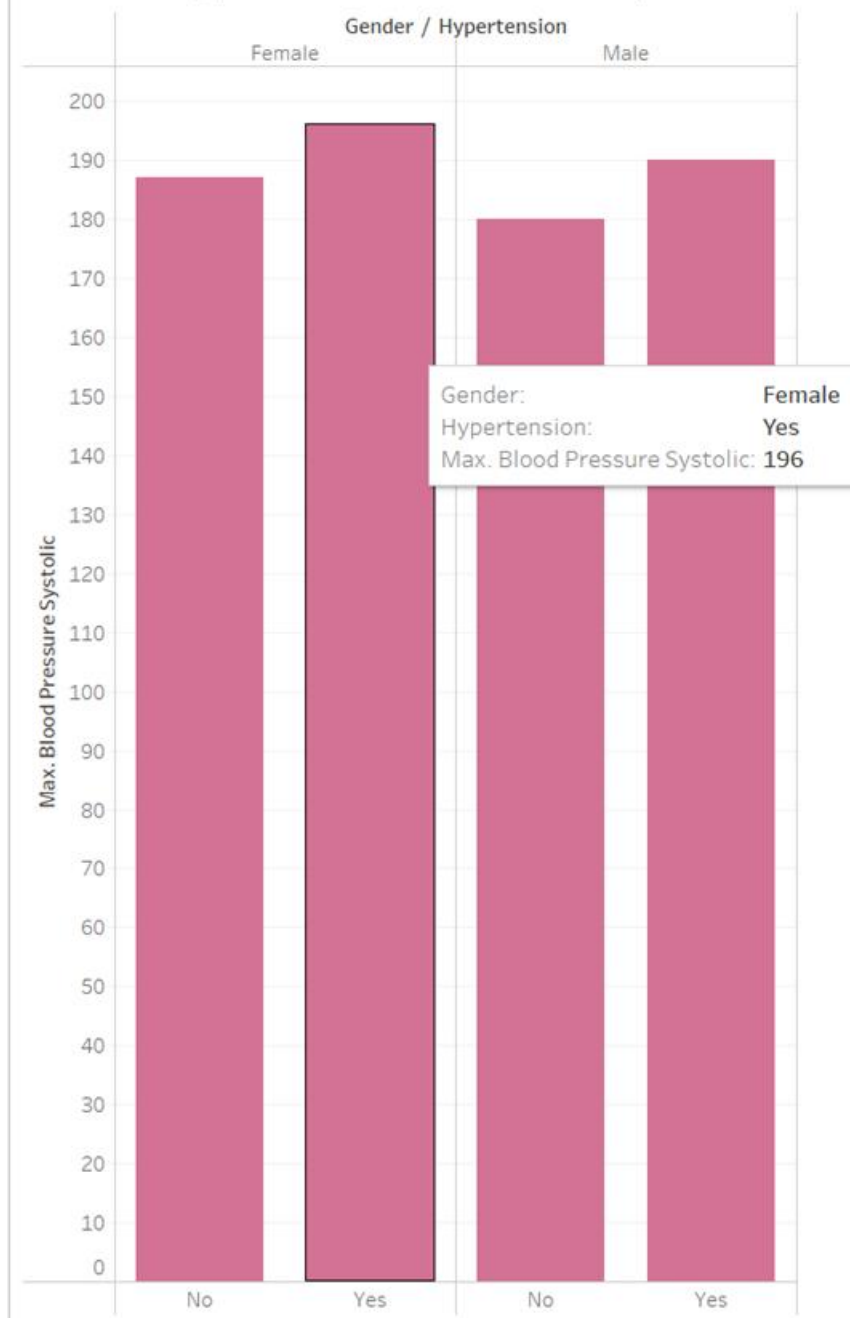
Percentage of people based on Department, District and gender



- The above report contains percentage of people based on department, district gender.
- Here, the parameter I have taken is departments.
- This report shows the percentage of gender who are more in particular department and district.
- Here, we compare female are high in Endocrinology in Howrah is 18.57% , male Are less in Endocrinology in Howrah is 17.16% .

REPORT 3

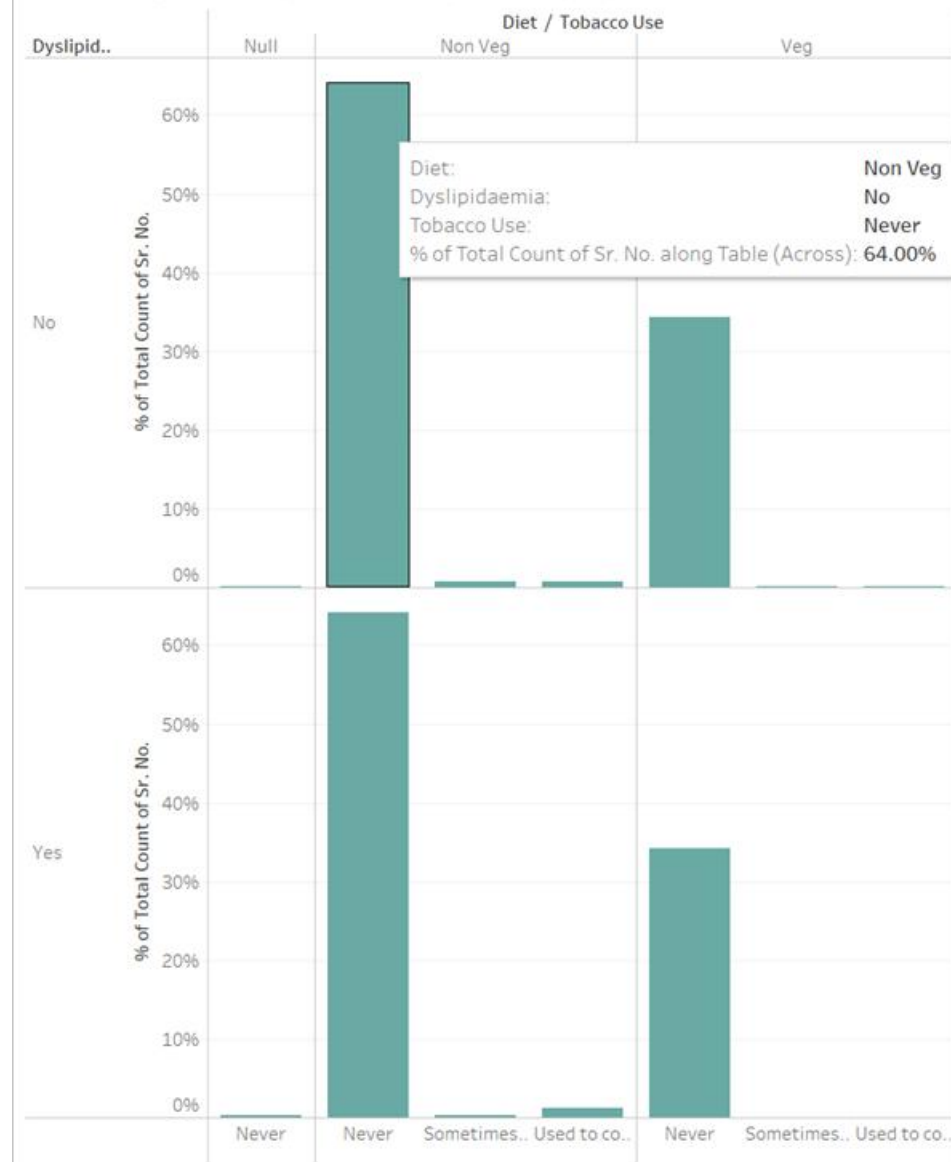
Count Of Hypertension based on blood pressure on there gender.



- The above report contains count of hypertension based on blood pressure on gender.
- Here, the parameter I have used hypertension.
- In this bar graph Female has high hypertension compare to male.
- Here, the blood pressure is same to male and female.

REPORT 4

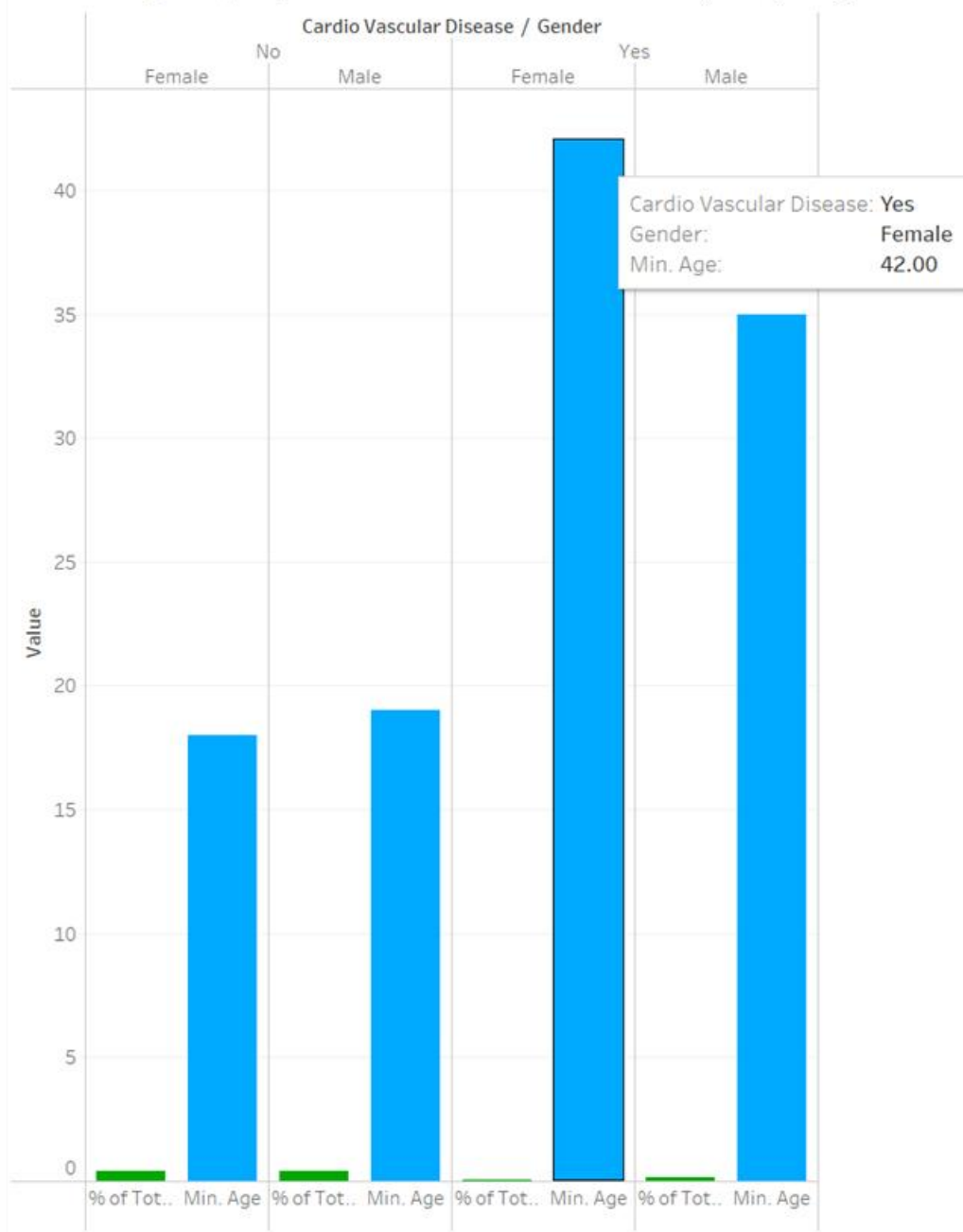
Percentage of People suffering from Dyslipidaemia based on tobacco use of diet



- The above report contains percentage of people suffering from Dyslipidaemia based on Tobacco use of diet.
- Here, the parameter I have used Dyslipidaemia.
- In this the diet is non veg and they have Dyslipidaemia, never used tobacco then it is the 64% is the highest people .

REPORT 5

Percentage of people based on cardio vascular (CVD) on gender and age

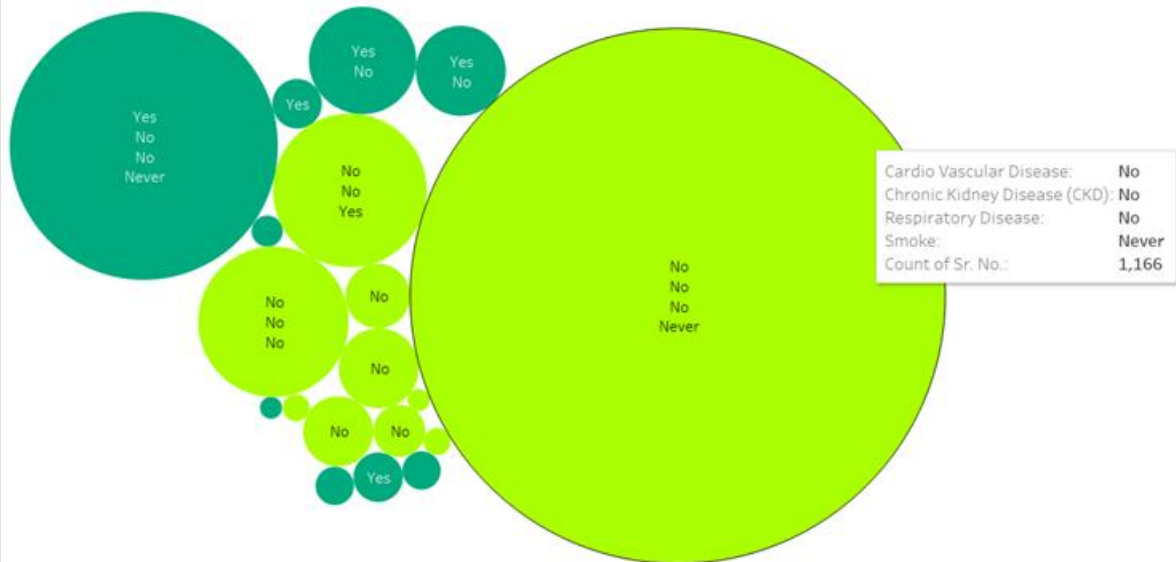


- The above report contains that count of people suffering from Cardio vascular (CVD) based on gender and minimum age.
- Here, the parameter I have used that Cardio vascular disease.
- In this graph the cardio vascular is high in male 14.67%. And the minimum age is 35.

Note: CVD (Cardio vascular Disease) are a group of disorders of the heart and blood vessels and include coronary heart disease, cerebrovascular disease, rheumatic heart disease and other conditions.

REPORT 6

Count of people suffering from CVD, CKD and RespiratoryDisease use of smoke

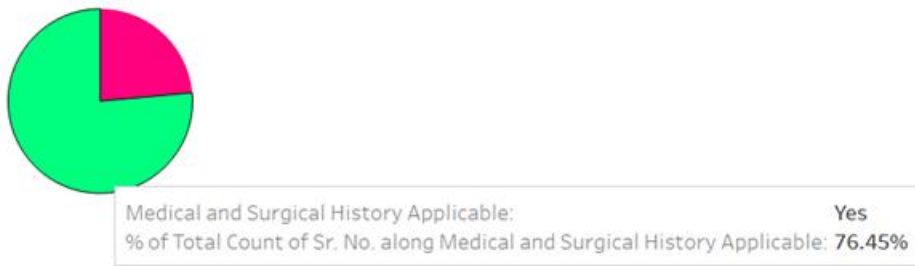


- The above report contains count of people suffering from CVD, CKD and respiratory disease use of smoke.
- Here, the parameter I have taken is diseases.
- This report shows the count of patients that they have consumed smoke and they got highest diseases, that is CVD they will consume smoke daily.

Note: CVD (Cardio vascular Disease) are a group of disorders of the heart and blood vessels and include coronary heart disease, cerebrovascular disease, rheumatic heart disease and other conditions. A type of disease that affects the lungs and other parts of the respiratory system. Respiratory diseases may be caused by infection, by smoking tobacco, or by breathing in secondhand tobacco smoke, radon, asbestos, or other forms of air pollution. Chronic kidney disease, also called chronic kidney failure, involves a gradual loss of kidney function.

REPORT 7

Percentage of patients are there for any of these diseases(Medical and surgical).



- The above report contains percentage of patients are there for any of these diseases (Medical and surgical).
- Here, the parameter I have taken is medical and surgical.
- This report shows the percentage of that they had done medical and surgical is 76.45%.

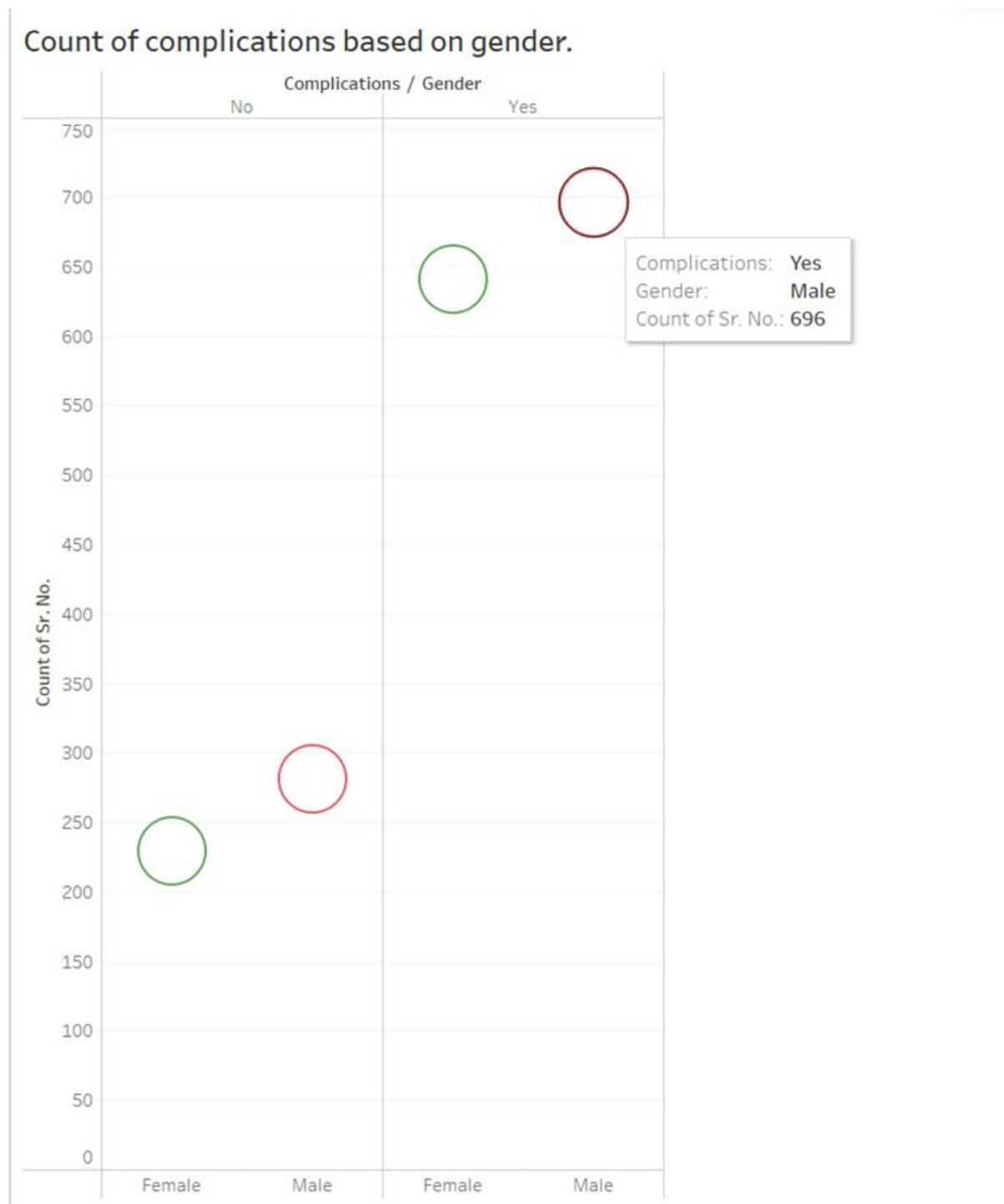
REPORT 8

Count of people are in occupation.



- The above report contains count of Occupation.
- Here, the parameter I have used Occupation.
- In this Tree Map Dark Maroon is the highest people that is Unemployed.
- In Elementary Occupation has 752 people are high.

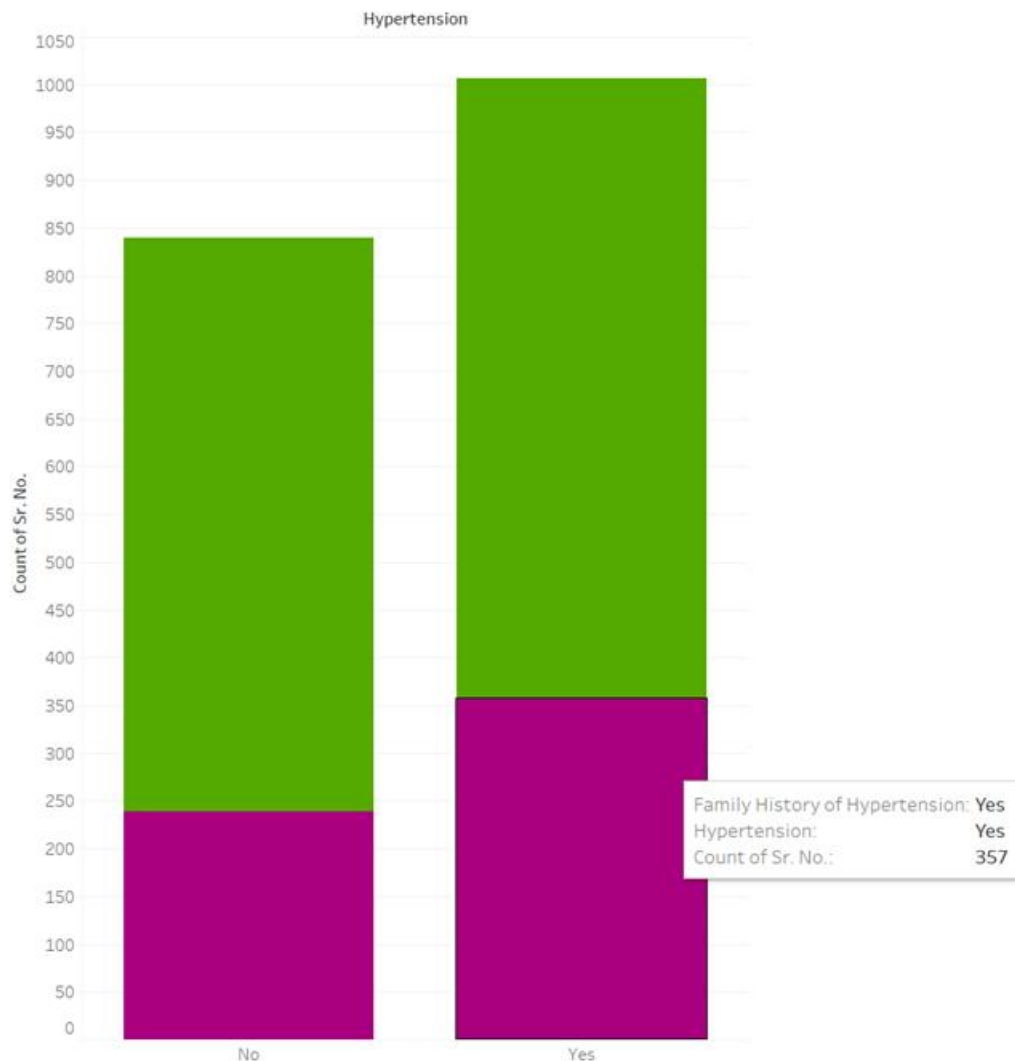
REPORT -9



- The above report contains count of complications based on gender.
- Here, the parameter I have used Complications.
- In this side by side graphs the male complications have highest number of counts when compare to female counts.
- Here the complications count of male is 696.

REPORT -10

Count of people suffering from Hypertension based on there family history of hypertension.



- The above report contains the count of patients are hypertension based on their family history of hypertension.
- Here, the parameter I have taken is family history of hypertension.
- This report shows that count of hypertension patients are suffered from there family history of hypertension are 357 patients.

Note: Hypertension (high blood pressure) is when the pressure in your blood vessels is too high (140/90 mmHg or higher). It is common but can be serious if not treated.

