

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



NEIGHRIHMS, MEGHALAYA

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.

Secondary Source: Like primary source, secondary source is also major stream of information for the report. List of the secondary source is

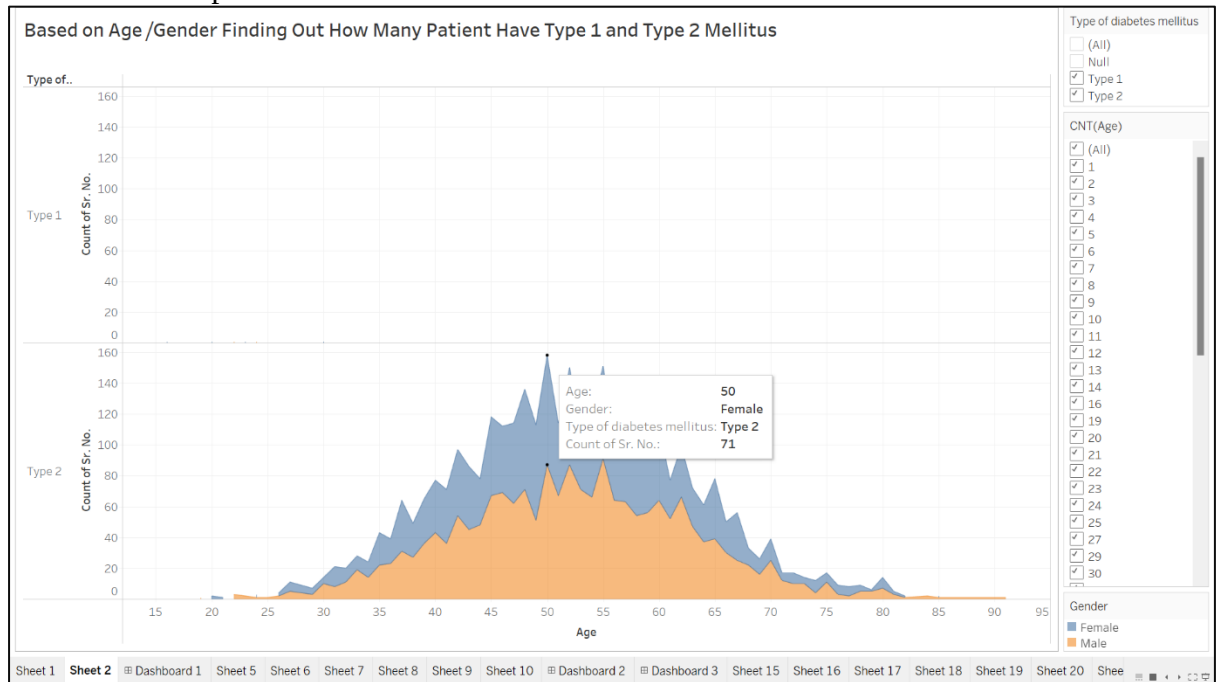
1. Internet
- 2.Social Network Sites
3. Text books
4. Several other reports
5. And other sources

7 .Finding and Impact of Analysis

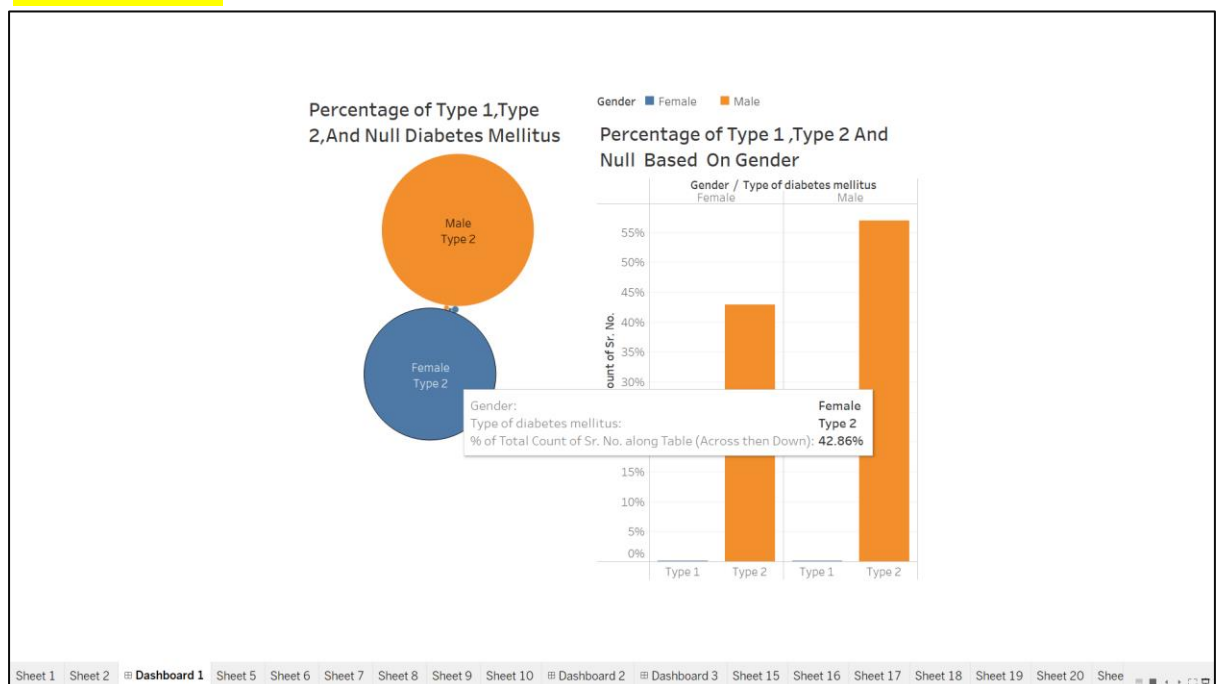
This part will be talking about the data obtained from primary research and how the results of the data collection relates to the research objective. The data obtained from different patients have been analyzed using Tableau to conduct a percentage analysis to determine different diseases. The percentage 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-

REPORT 1

The below visualization is about the patients who have type 1 and type 2 diabetes based on age and gender .in this visualization type 1 is patients meanwhile type 2 is more in this hospital



REPORT 2



Here in this below visualization based on percentage with type 1 and type 2 diabetes.

REPORT 3

Based on alcohol, tobacco, smoke we are finding out the cancer specification.

Based on alcohol,tobacco,smoke,gender,state we are finding out the cancer specify

Country	Alcohol Use	Tobacco Use	Smoke	Type of..	Cancer Specify	State	Female	Male
India	Sometimes now	Daily	Daily	Type 2	Bone Cancer	Manipur		1
					Liver Cancer	Assam		1
					Stomach Cancer	Arunachal Prade..		1
		Sometimes now	Sometimes now	Type 2	Liver Cancer	Tripura		1
					Neck Cancer	Assam		
					Liver Cancer	Arunachal Prade..		
					Mouth Cancer (...)	Assam		
					Esophageal Canc...	Assam		
					Neck Cancer	Assam		
					Lung Cancer	Assam		

Alcohol Use: Sometimes now
Cancer Specify: Liver Cancer
Country: India
Gender: Male
Smoke: Sometimes now
State: Tripura
Tobacco Use: Sometimes now
Type of diabetes mellitus: Type 2
Count of Sr. No.: 1

Cancer Specify
☐ (All)
☐ Null
☒ 1. Oral Cancer...
☒ 1. Blood Cancer...

Type of diabetes me...
☐ (All)
☐ Null
☒ Type 1
☒ Type 2

State
☒ (All)
☒ Andhra Prade...
☒ Arunachal Pra...
☒ 1. Assam

Smoke
☐ (All)
☒ Daily
☐ Never
☒ Sometimes no...

Alcohol Use
☐ (All)
☒ Daily
☐ Never
☒ Sometimes no...

Tobacco Use
☐ (All)
☒ Daily
☐ Never
☒ Sometimes no...

CNT(Sr. No.)
1

Note: Liver cancer is a disease in which malignant (cancer) cells form in the tissues of the liver.

REPORT 4

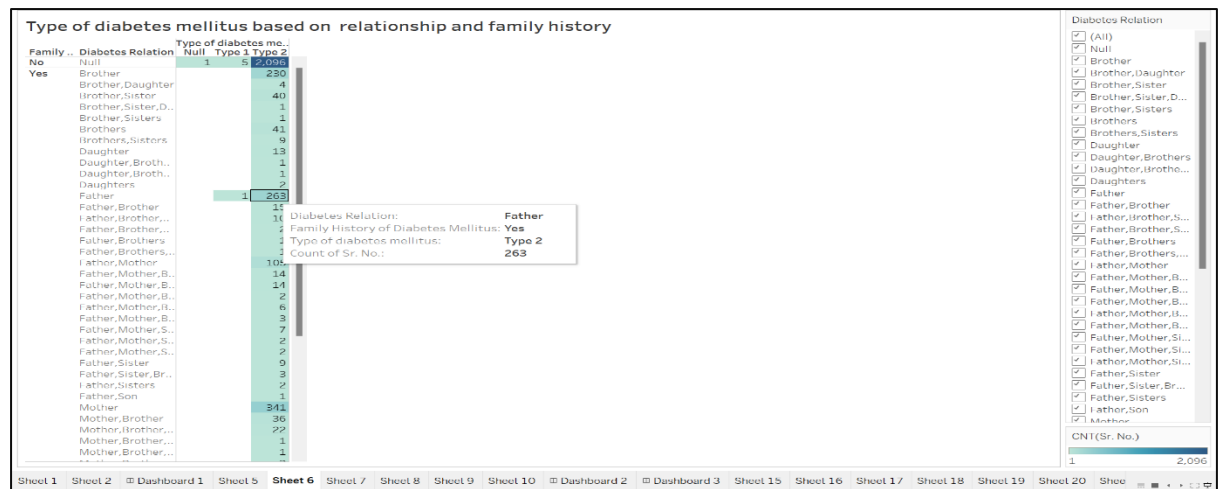
Here due to respiratory disease based on gender with percentage in the below bar graph only few patients have disease in it.



Note: 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.

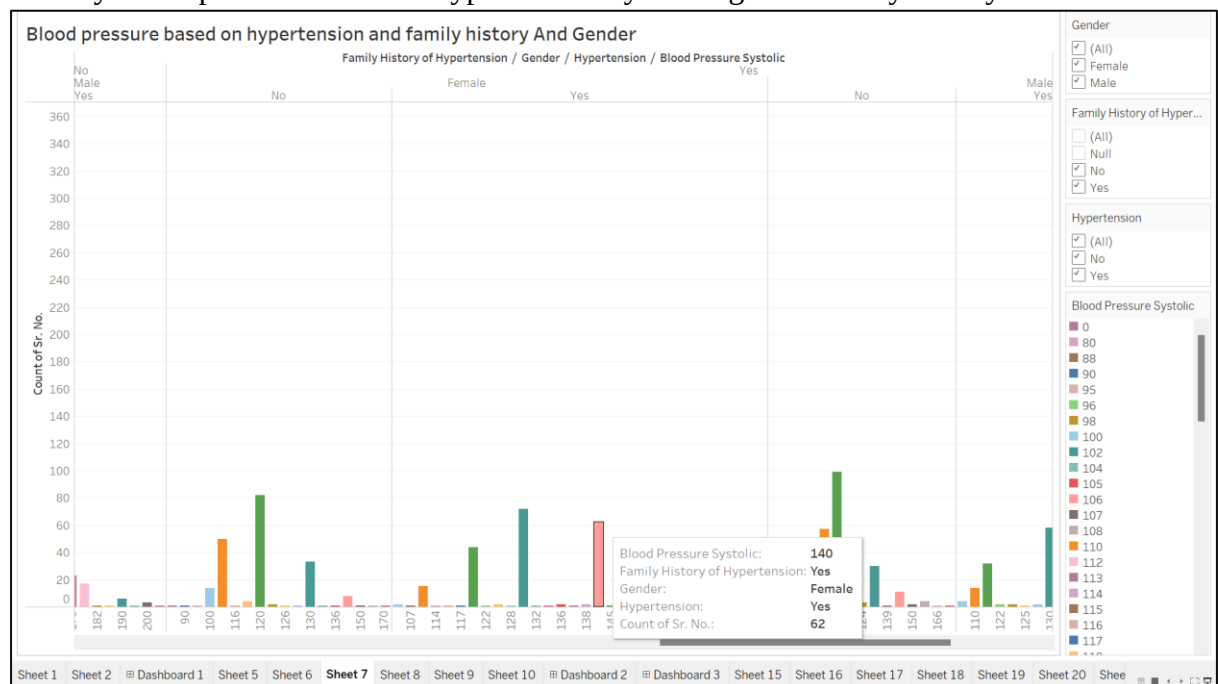
REPORT 5

Here we can find out diabetes based on relationship and family history, father and mother are having more relation with patient.



REPORT 6

Here by blood pressure based on hypertension by their age and family history.



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.

REPORT 7

Respiratory disease based on smoke with specify in this graph.



Note: 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.

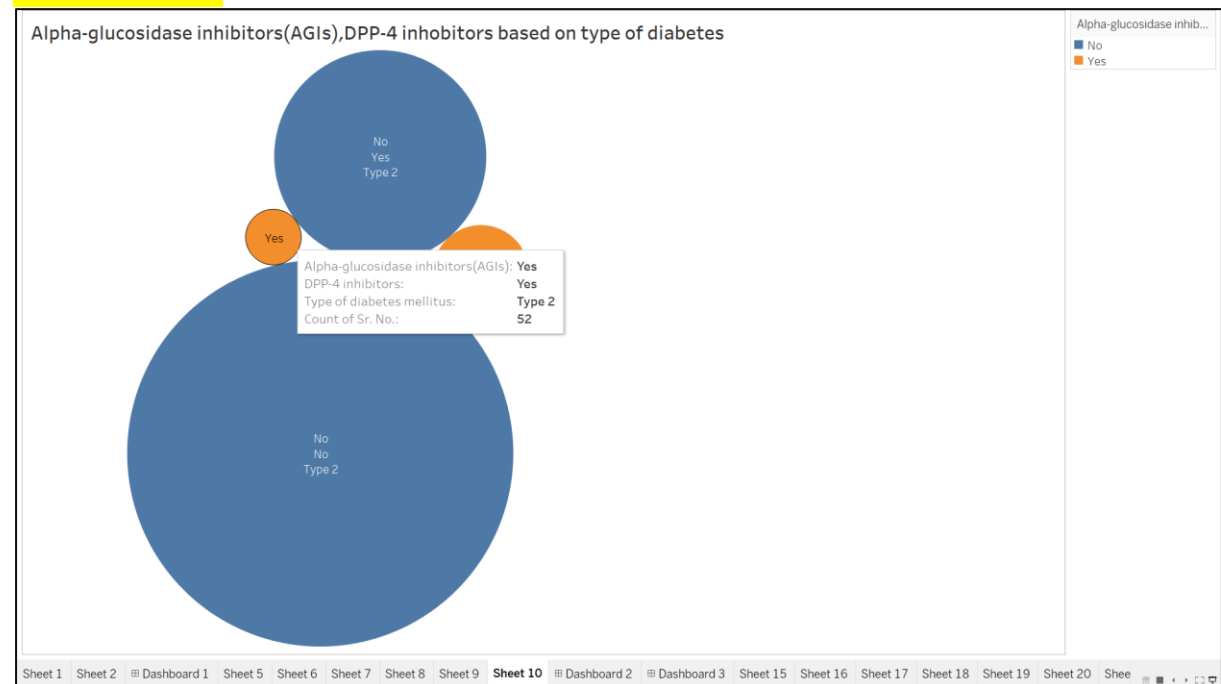
REPORT 8

In this hospital basal insulin is more in number 152 due to meglitinides we have only 8 patients on



Note: Meglitinides stimulate a shorter term burst of insulin to cover mealtimes.

REPORT 9

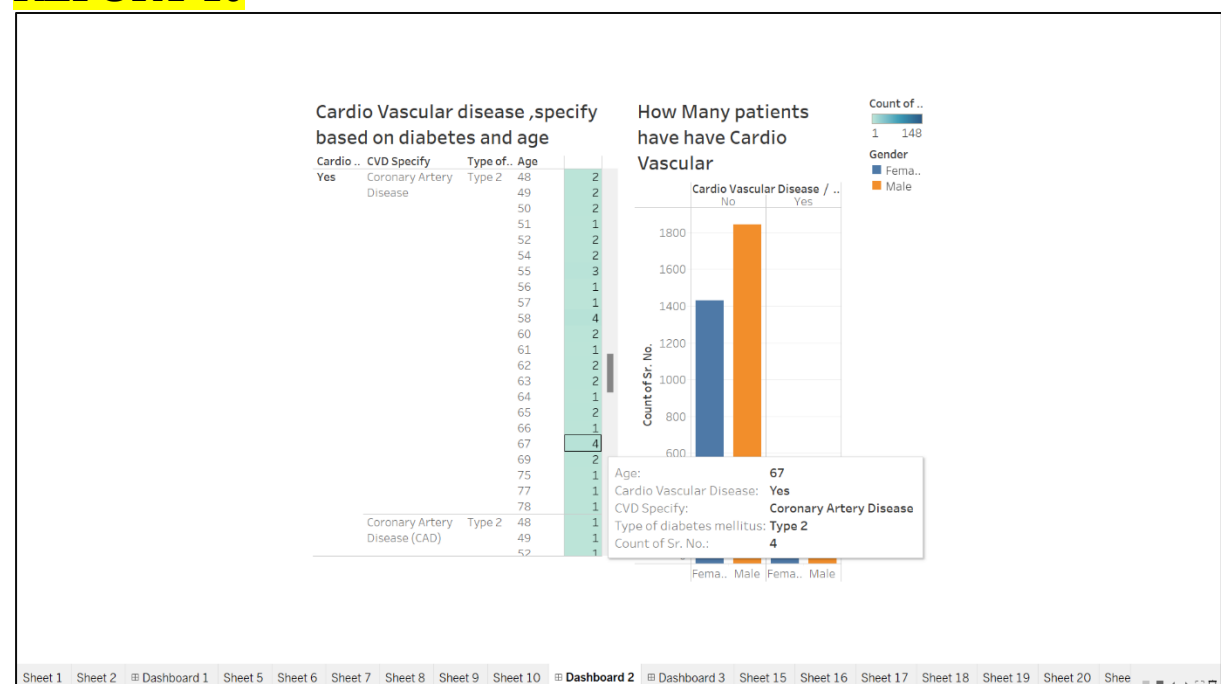


Alpha glucosidase and dpp 4 are the medicine in type 2 diabetes they are 52 patients are using it.

Note: DPP-4 inhibitors, known as gliptins, are a class of oral diabetic medications approved by the Food and Drug Administration (FDA) to treat type 2 diabetes mellitus in adults.

Alpha-glucosidase inhibitors are antihyperglycemic agents that lower blood glucose by delaying the digestion and absorption of complex carbohydrates.

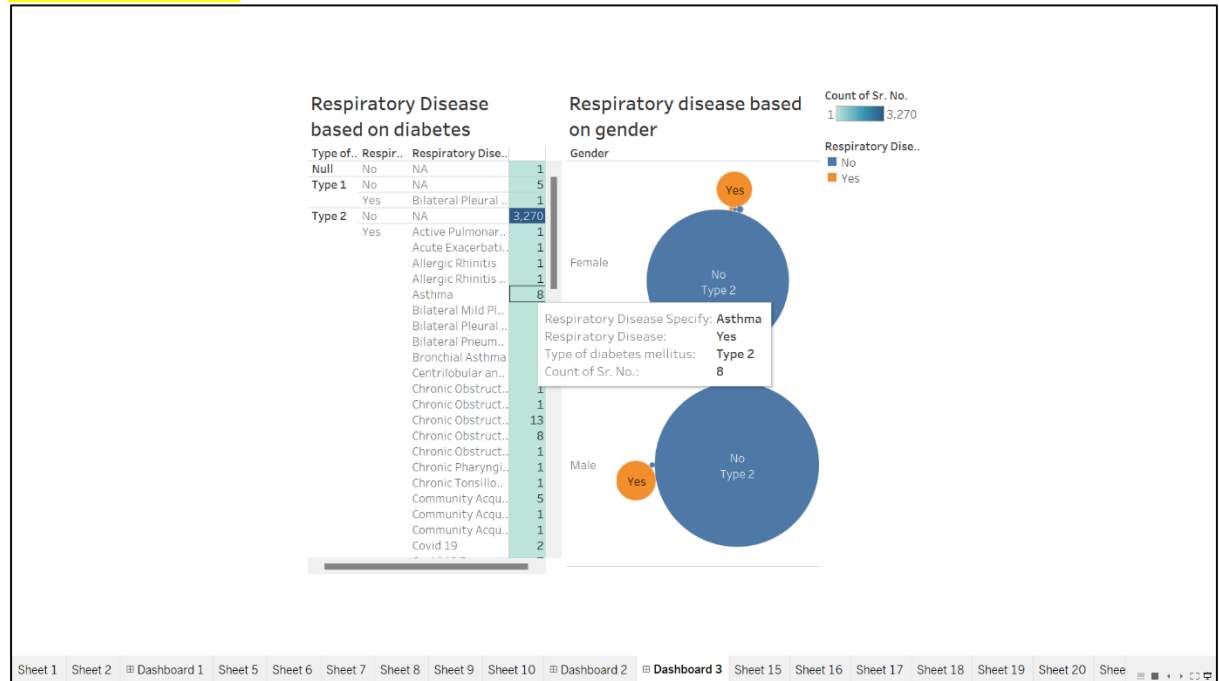
REPORT 10



In cardio vascular disease how many patients are there based on gender and age with specify.

Note: CVD (Cardiovascular 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.

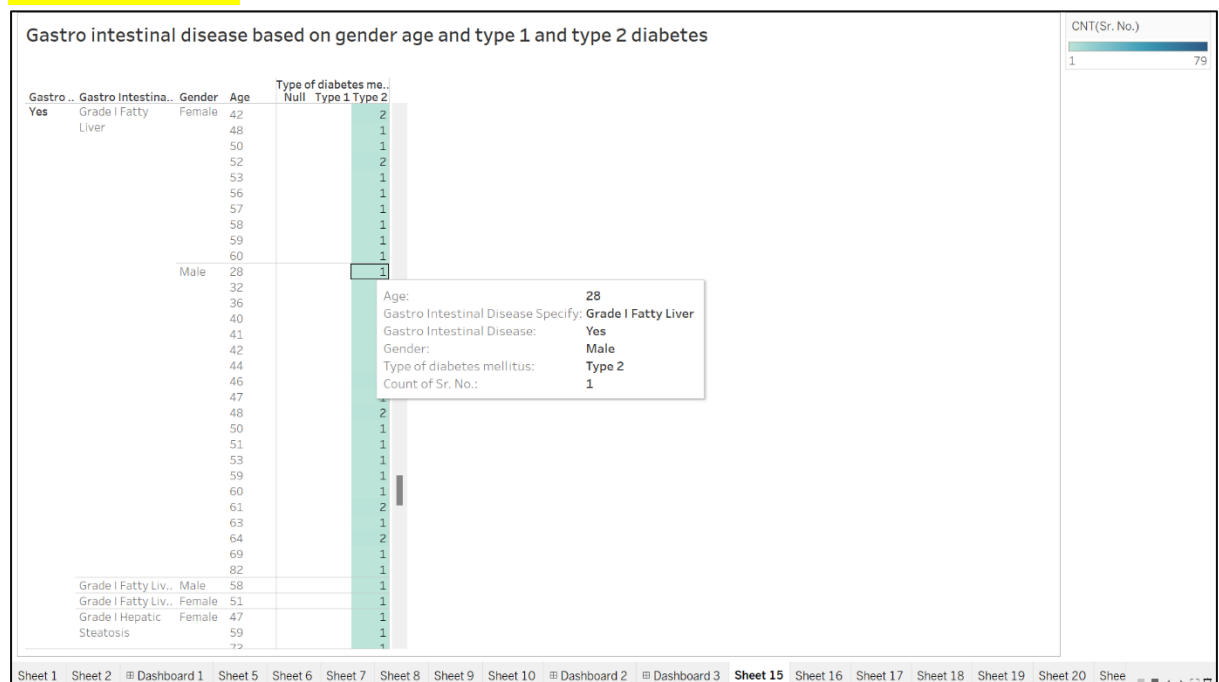
REPORT 11



Respiratory disease based on specify with age and gender in below graph.

Note: 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.

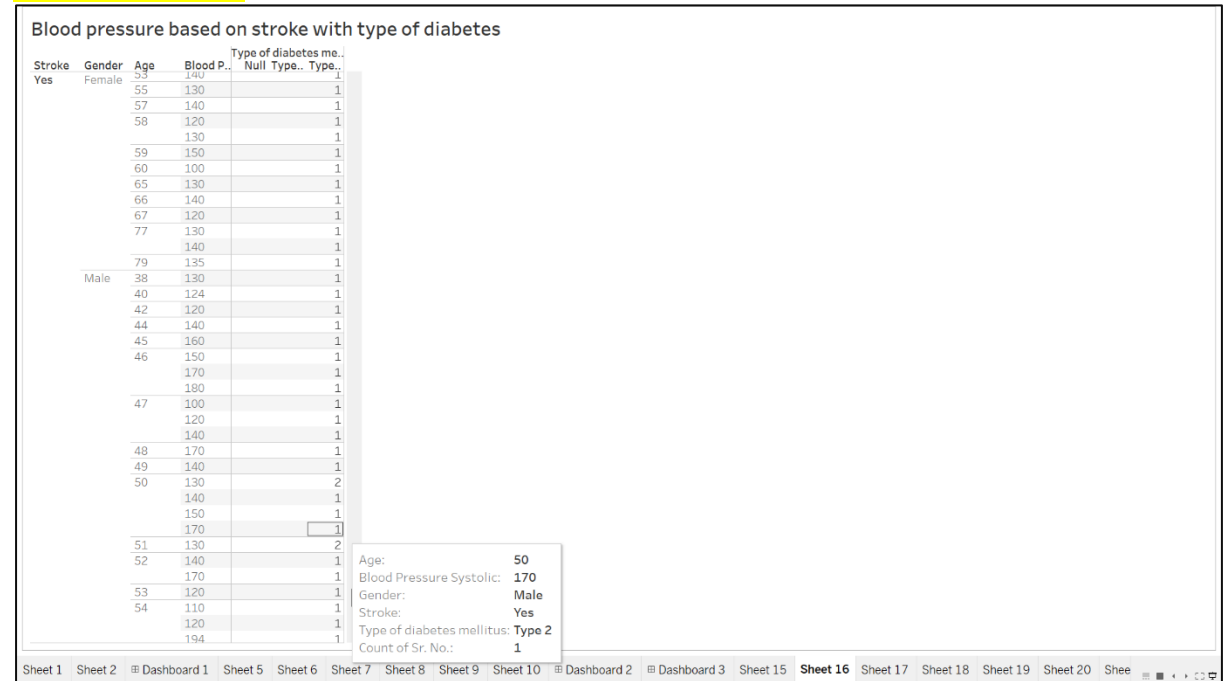
REPORT 12



Gastro intestinal disease on gender and age with type 1 and type2 diabetes.

Note: A gastrointestinal disease is one that affects the gastrointestinal (GI) tract, the passage that runs from the mouth to the anus.

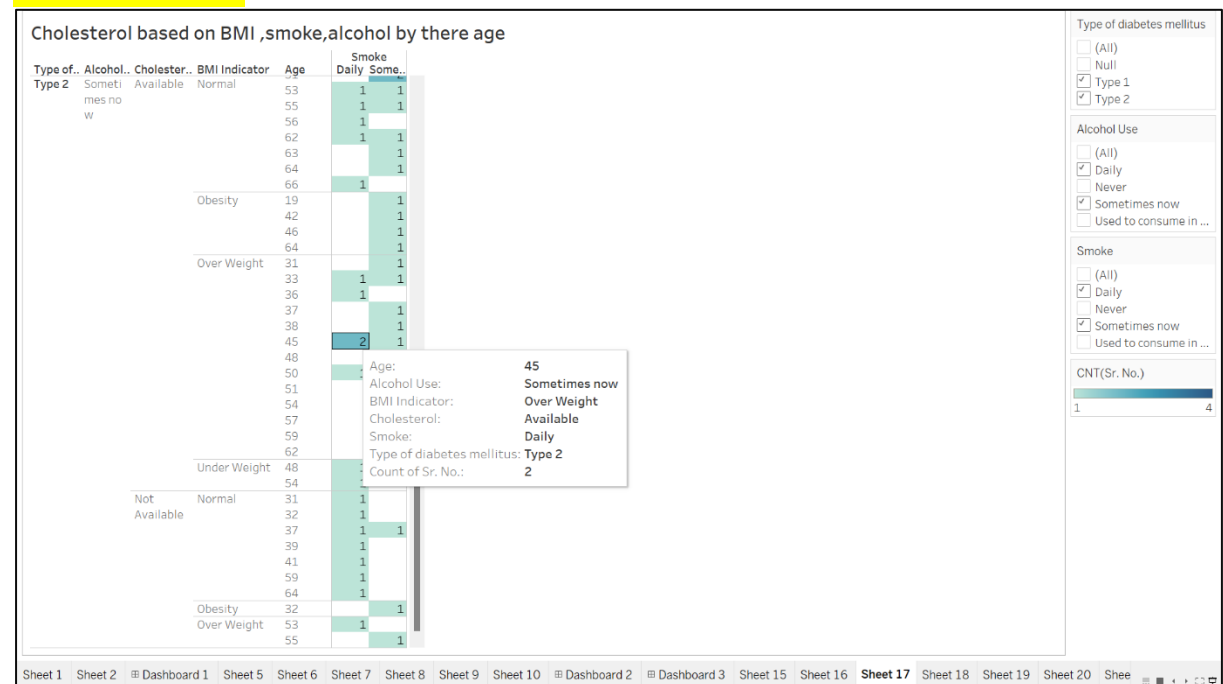
REPORT 13



Blood pressure based on stroke with type 1 and type 2 diabetes. Due to the blood pressure ranges.

Note: A stroke, sometimes called a brain attack, occurs when something blocks blood supply to part of the brain or when a blood vessel in the brain bursts.

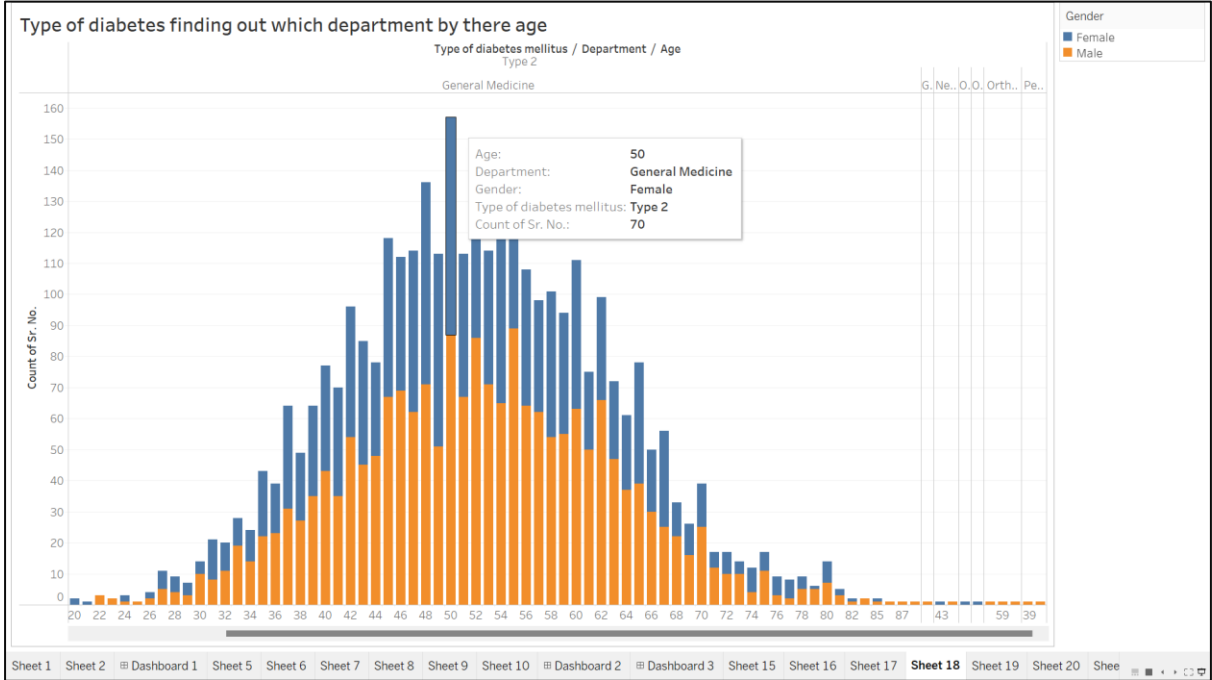
REPORT 14



Cholesterol based on BMI, smoke, alcohol with their ages.

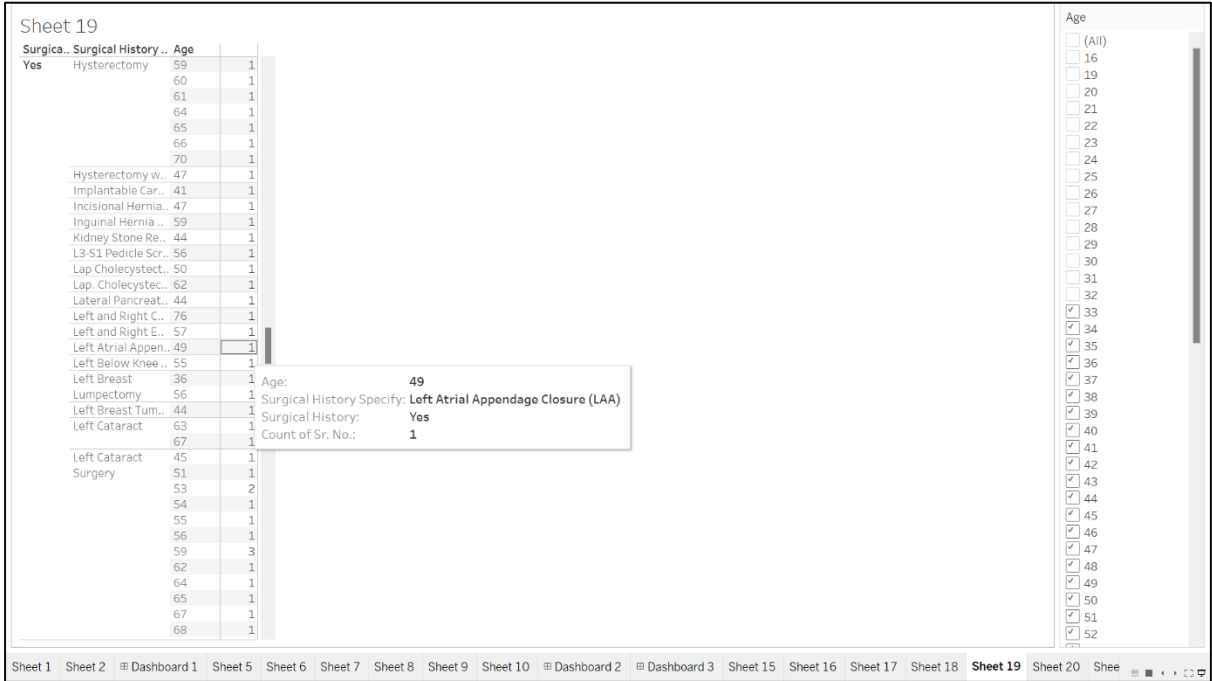
Note: Cholesterol is a waxy, fat-like substance that your body needs for good health, but in the right amounts.

REPORT 15



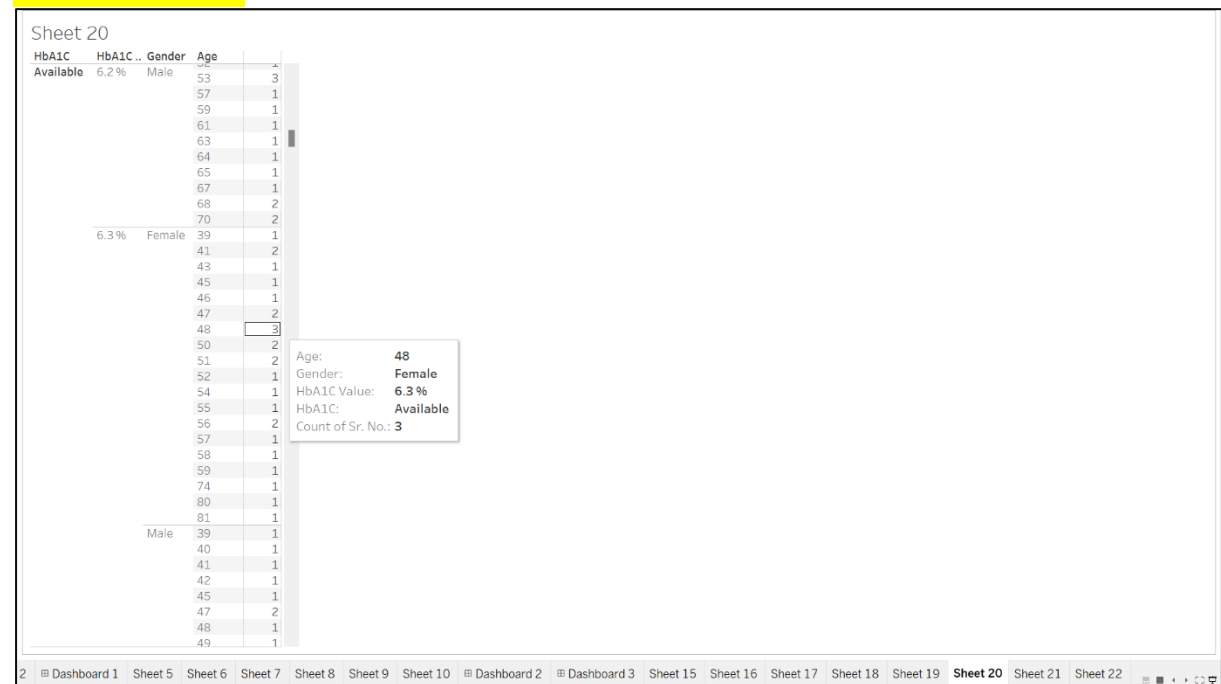
Based on department with ages and type1 and type 2 diabetes parameters.

REPORT 16



Surgical history based on age and with specify in this hospital.

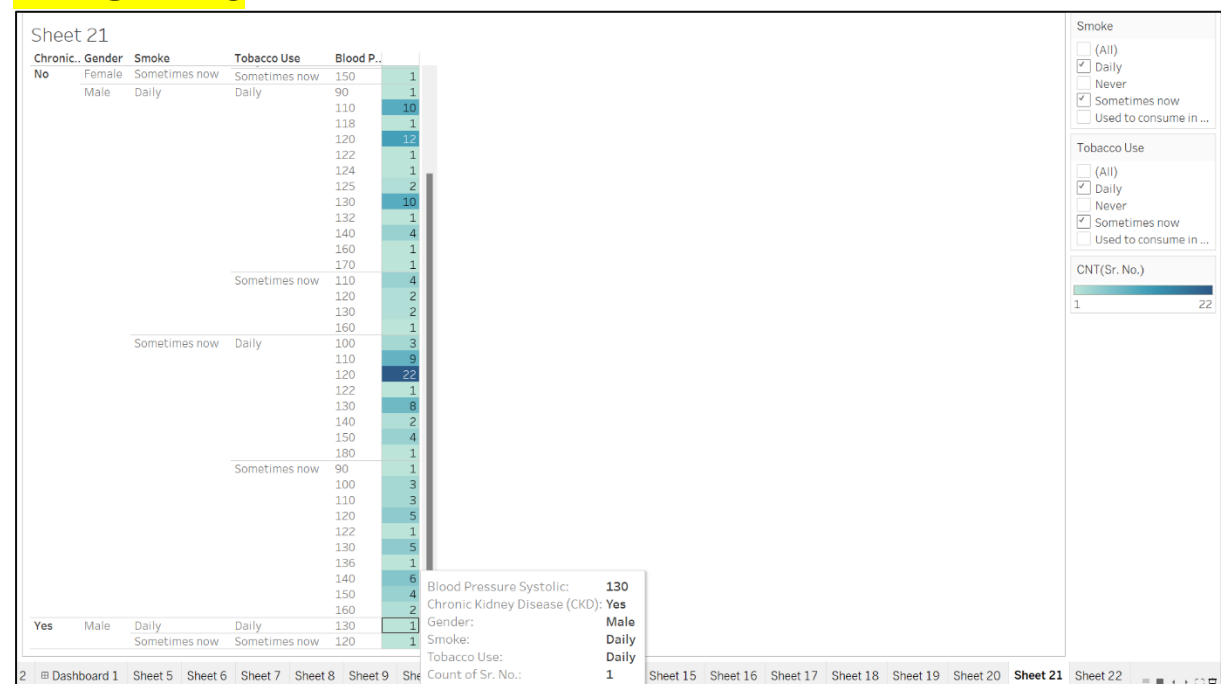
REPORT 17



Hba1c is the hemoglobin which should be below 5 is normal above 5 its blood sugar.

Note: HbA1c is a blood test that is used to diagnose type 2 diabetes. It is also used to monitor blood glucose control in people with diabetes.

REPORT 18



Chronic kidney disease with smoke and tobacco affected.

Note: Chronic kidney disease, also called chronic kidney failure, involves a gradual loss of kidney function.