Wireframe Document

Heart Disease Diagnostic Analysis

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Document Control

| Date	Version	Description	Author
09/08/2024	1.0	Introduction, Problem Statement, Dataset Information, Architecture Description	Akhil Tarisha

We cleaned the Dataset on Jupyter Notebook using Python and then created a Power BI Desktop Dashboard.

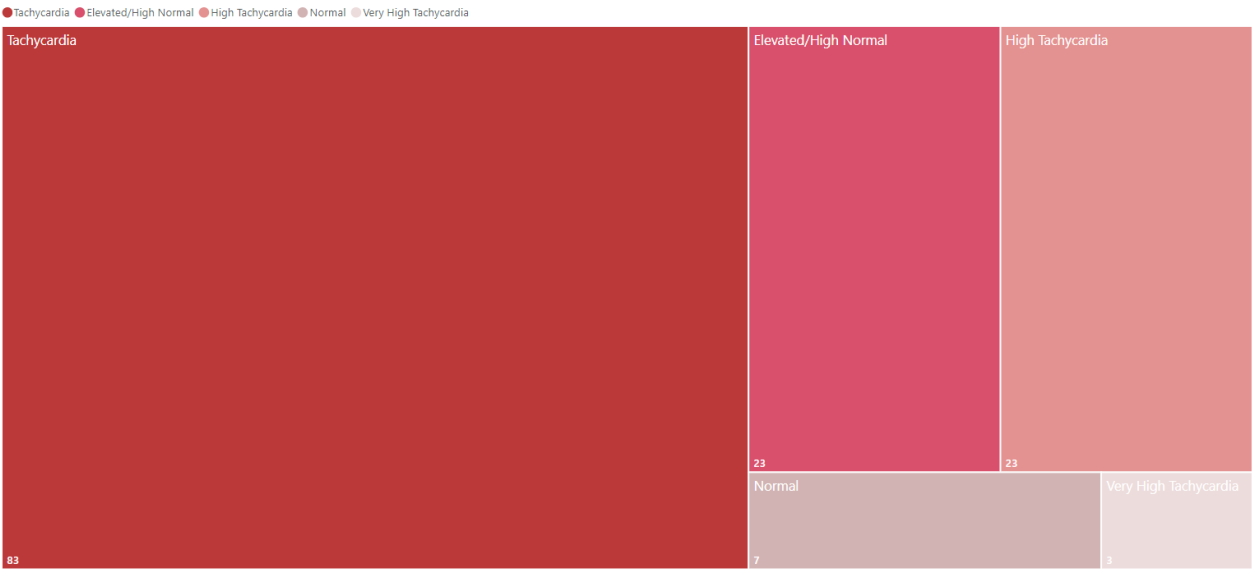**1. What Kind of Blood Pressure according to Age Group?**

❖ Old Age people (>56 years) suffers more Blood Pressure

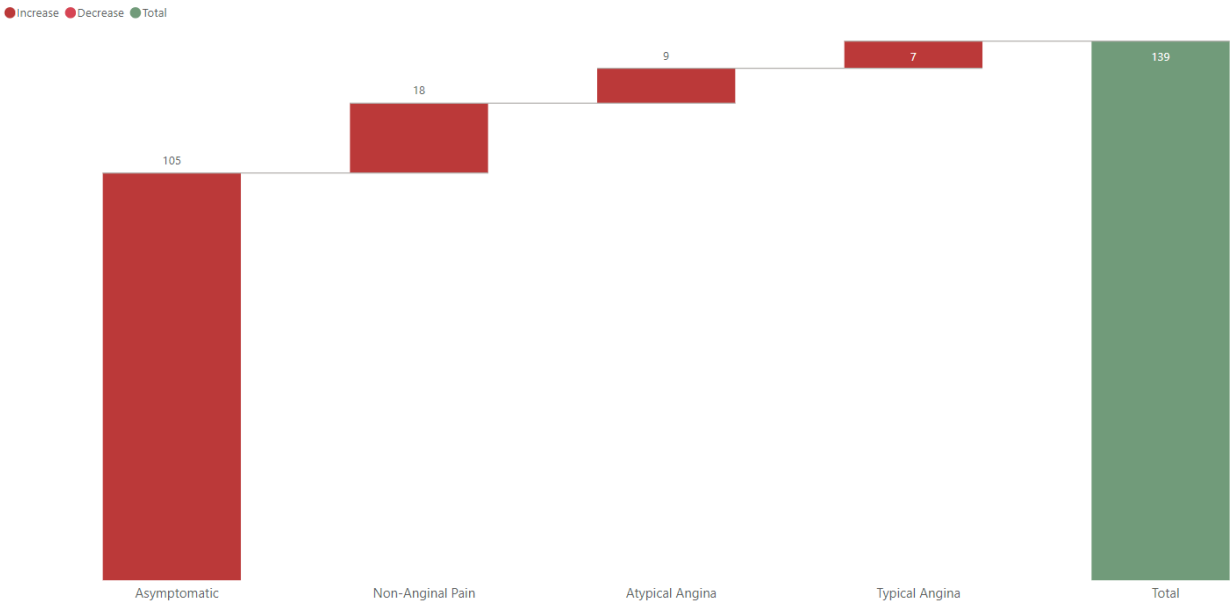**2. How much Male & Female suffers from Cholesterol in Age Wise?**
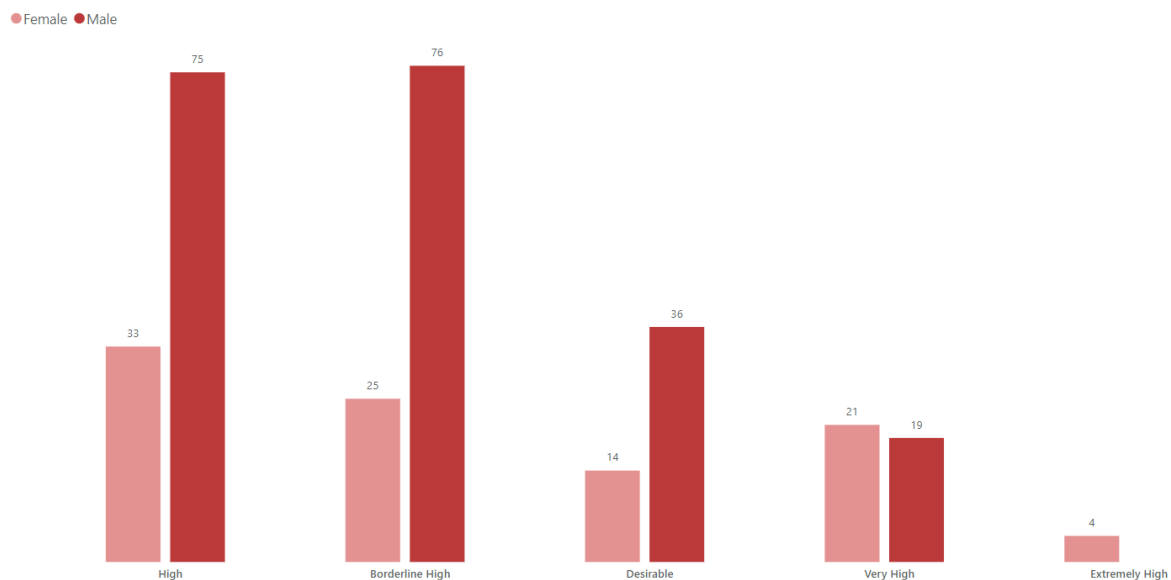
❖ Males have higher cholesterol levels across all types and age groups.

3. What is the number of Heart Beats in Heart Patients?

Tachycardia ● Elevated/High Normal ● High Tachycardia ● Normal ● Very High Tachycardia

Tachycardia	Elevated/High Normal	High Tachycardia
	23	23
	Normal	Very High Tachycardia
83	7	3

❖ Tachycardia (Heart Rate 120 - 160) is the most common type of heartbeat observed in heart patients.

4. What is the most type of Chest pains patients will be suffered?

● Increase ● Decrease ● Total

	9	7	139
18			
105			
Asymptomatic	Non-Anginal Pain	Atypical Angina	Typical Angina	Total

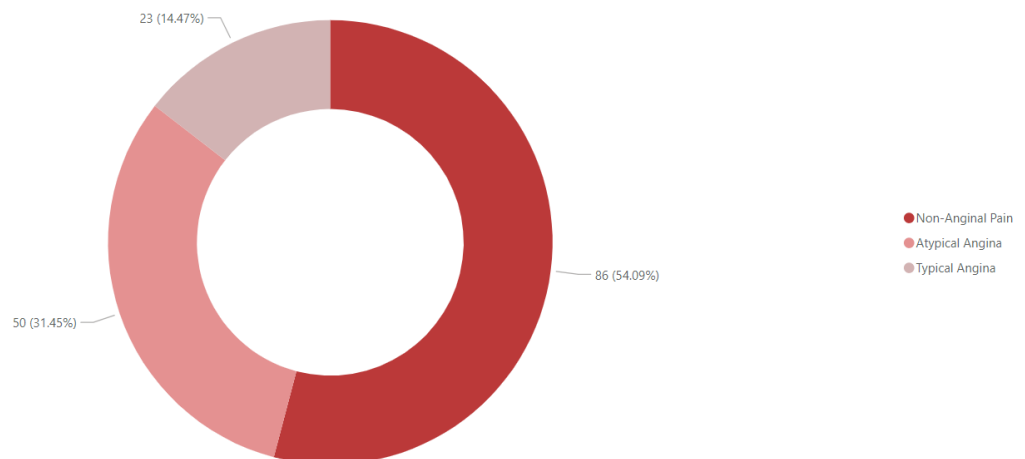❖ Asymptomatic Chest Pain (CP=4) is the most common among patients.

5. Which gender, male or female, suffers more from various types of blood pressure issues?

● Female ● Male
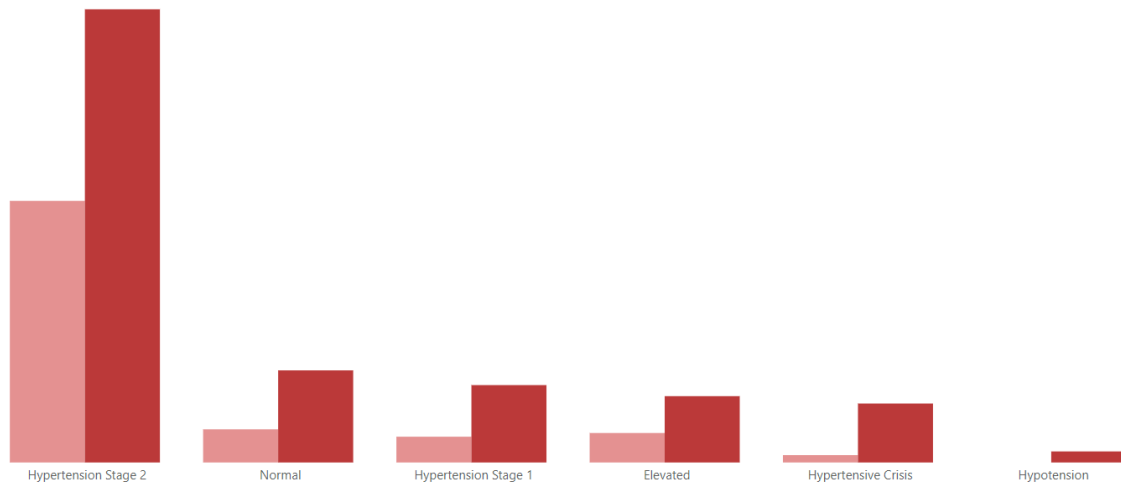
❖ Males are more frequently affected by Hypertension Stage 2 (140 - 180) compared to females.

6. Which are the Top 3 Chest pains according to Age types?

❖ According to age-wise data, the most common types of chest pain people experience are non-anginal pain (CP = 3), atypical angina (CP = 2), and typical angina (CP = 1).

7. **Provide the patient's details, including blood pressure range, categorized by gender and age.**

	BP Range	Asymptomatic	Atypical Angina	Non-Anginal Pain	Typical Angina	Total
⊞	**Hypertension Stage 2**	72	38	68	16	**194**
⊞	**Normal**	25	2	6	1	**34**
⊞	**Hypertension Stage 1**	17	3	6	2	**28**
⊞	**Elevated**	20	1	3	2	**26**
⊞	**Hypertensive Crisis**	7	6	3	2	**18**
⊞	**Hypotension**	3				**3**
	Total	**144**	**50**	**86**	**23**	**303**

❖ This displays the total number of patients suffering from high blood pressure, categorized by age range and gender, providing comprehensive details.