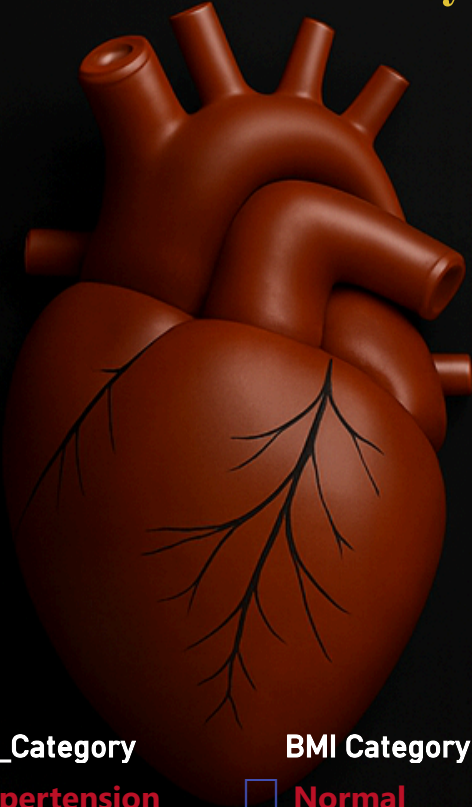


Heart Disease Risk Analysis | Power BI



- BP\_Category

  - Hypertension
  - Normal
  - Prehyperten...
- BMI Category

  - Normal
  - Obese
  - Overweight
  - Underweight

Female

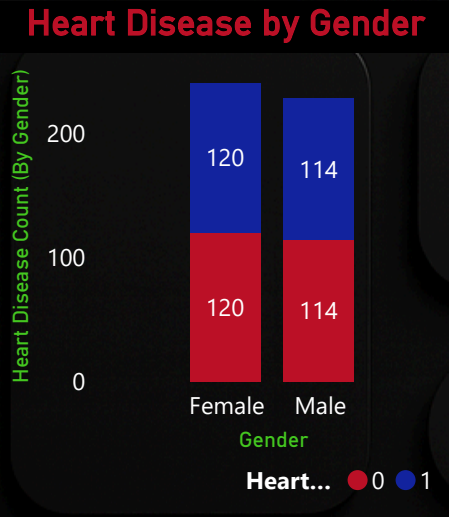
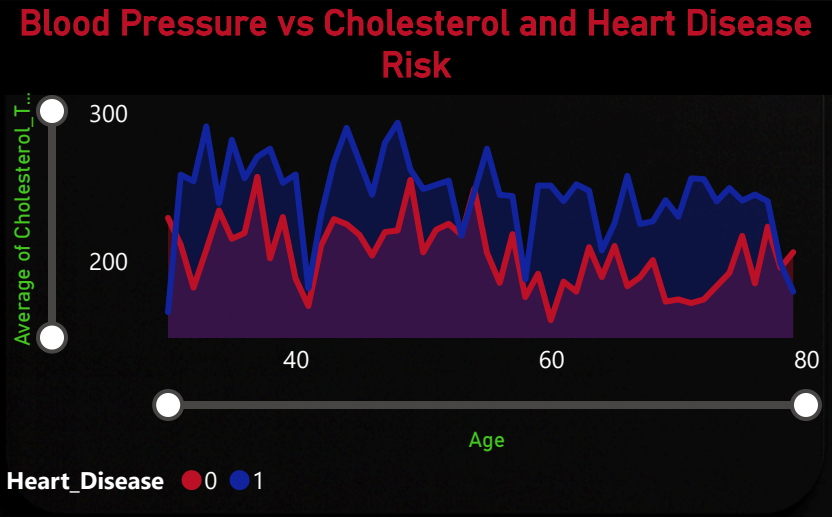
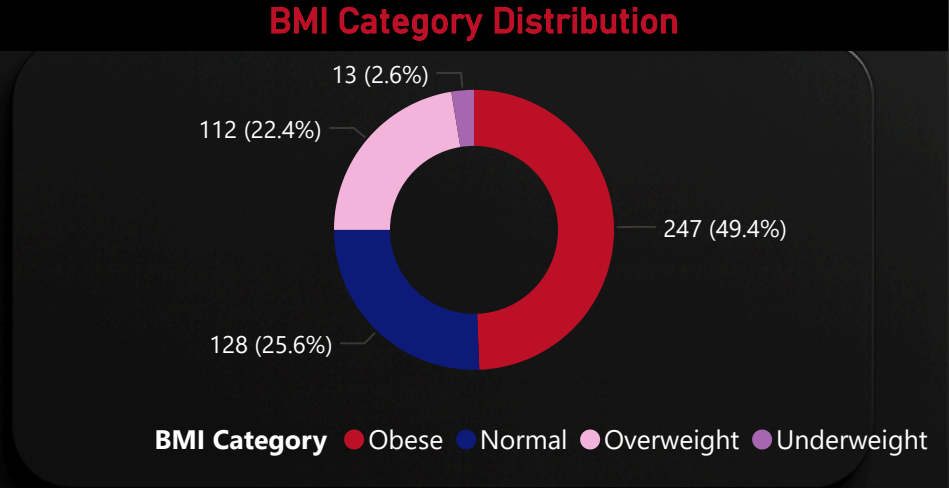
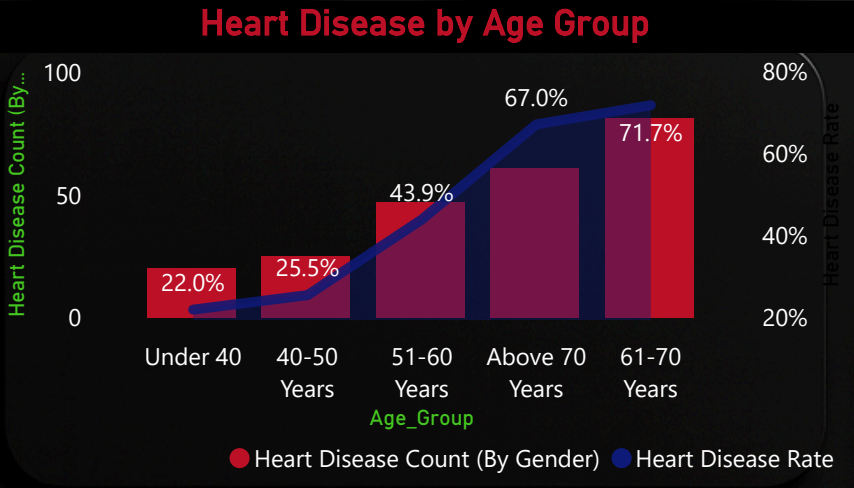
Male

500  
Total Patients

234  
Heart Disease Cases

46.8%  
Heart Disease Rate

55.38  
Average Age



Key Factors Influencing Heart Disease Risk

Key influencers

What influences Heart\_Disease to  ?

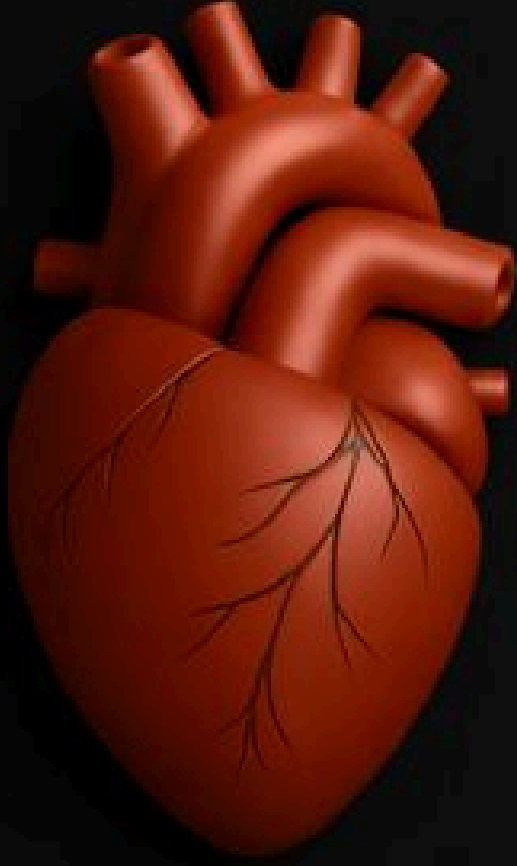
When... Sum of Diabetes is 1 ...the average of Heart\_Disease increases by 0.41

When... Age\_Group is 61-70 Years ...the average of Heart\_Disease increases by 0.32

Ask AI: Heart Disease Insights

Drill-Down Analysis of Heart Disease Cases

# AI Insights & Drill-Down Analysis



## Ask AI – Heart Disease Insights

- Ask AI was used to analyze heart disease cases automatically.
- The AI identified **diabetes, high BMI, and hypertension** as major factors increasing heart disease risk.
- These insights were generated without manual calculations.

## Key Influencers Analysis

- The Key Influencers visual shows variables that increase heart disease occurrence.
- Diabetes** emerged as the strongest influencer.
- Obesity and high blood pressure also significantly increase risk.

## Drill-Down Analysis

- Drill-down features were used to analyze heart disease by age, BMI, and blood pressure.
- Heart disease cases increase sharply after **50 years of age**.
- Obese and hypertensive patients show higher case counts.

## Overall AI-Driven Conclusion

AI-powered analysis confirms that **age, diabetes, obesity, and hypertension** are key risk drivers. Combining AI insights with interactive visuals improves data-driven health analysis.