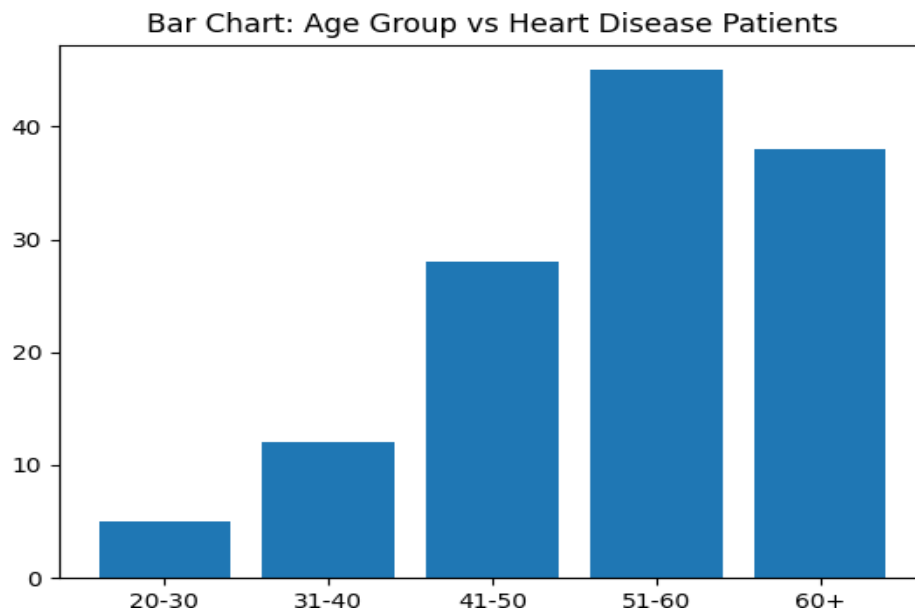


# Heart Disease Analysis – Business Questions with Visualizations (Tableau)

## 1. Which age category records the greatest number of heart disease cases?

*Visualization:* Bar Chart: Age Group vs Heart Disease Patients

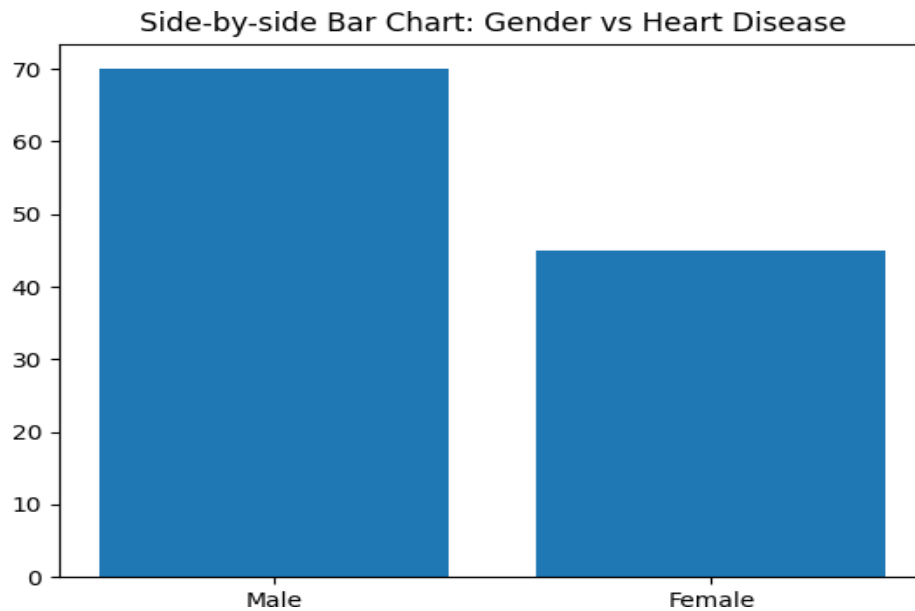


### **Business Insight:**

Supports hospitals in determining the appropriate time to begin preventive screening programs.

## 2. Does heart disease occur more frequently in males or in females?

*Visualization:* Side-by-side Bar Chart: Gender vs Heart Disease

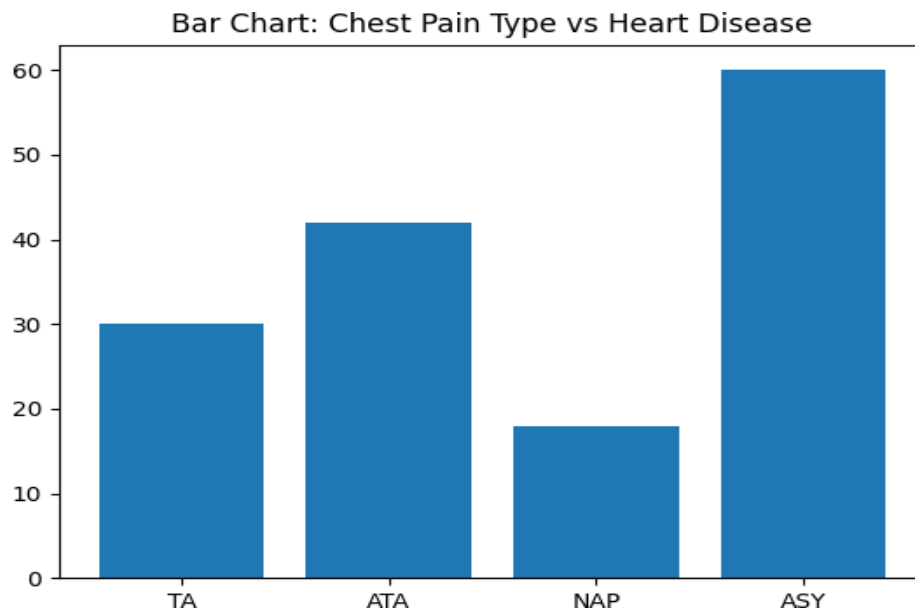


**Business Insight:**

Encourages the development of gender-focused awareness initiatives and tailored treatment strategies.

### 3. In what way does the type of chest pain affect the diagnosis of heart disease?

*Visualization:* Bar Chart: Chest Pain Type vs Heart Disease

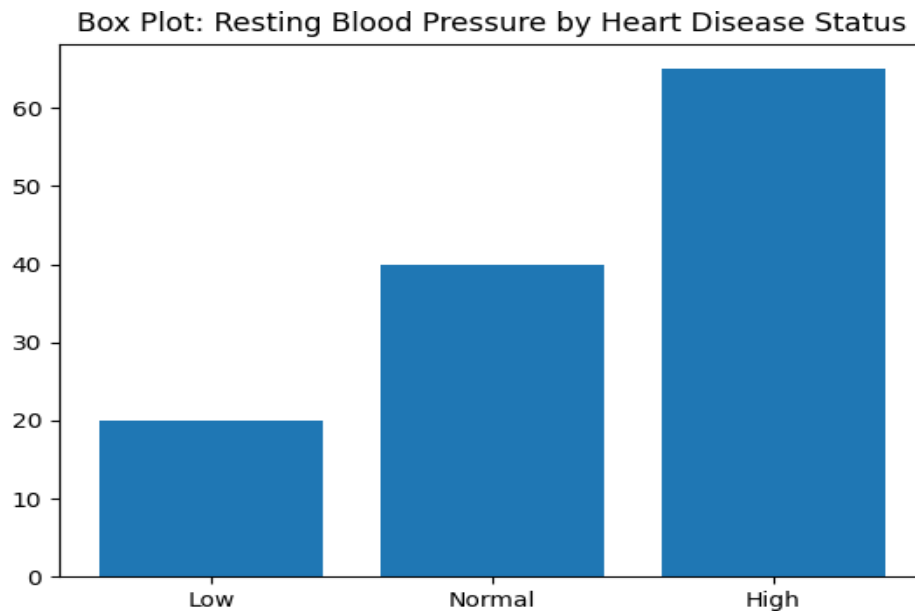


**Business Insight:**

Assists doctors in identifying and prioritizing symptoms that indicate a higher risk.

#### 4. Is the risk of heart disease higher among patients with high blood pressure?

*Visualization:* Box Plot: Resting Blood Pressure by Heart Disease Status

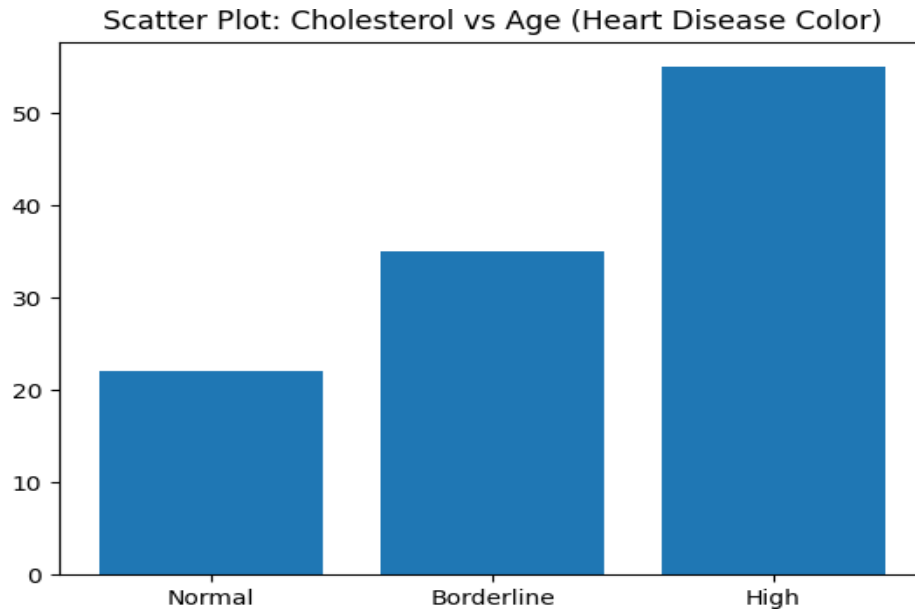


##### **Business Insight:**

Determines the blood pressure ranges that require immediate medical intervention.

## 5. Is there a relationship between cholesterol levels and the occurrence of heart disease?

*Visualization:* Scatter Plot: Cholesterol vs Age (Heart Disease Color)

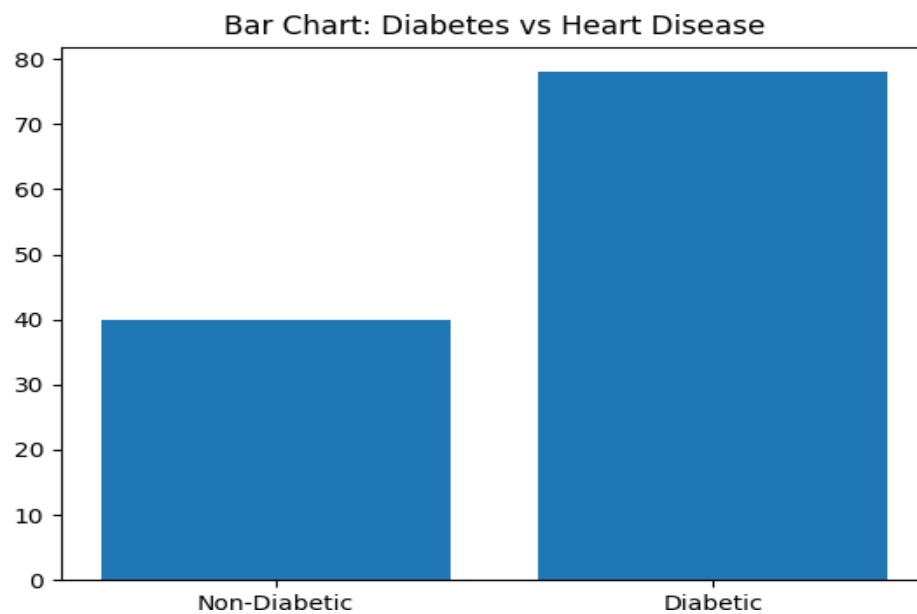


### **Business Insight:**

Promotes the implementation of policies aimed at effective cholesterol management.

## 6. Do individuals with diabetes have a higher likelihood of developing heart disease?

Visualization: Bar Chart: Diabetes vs Heart Disease

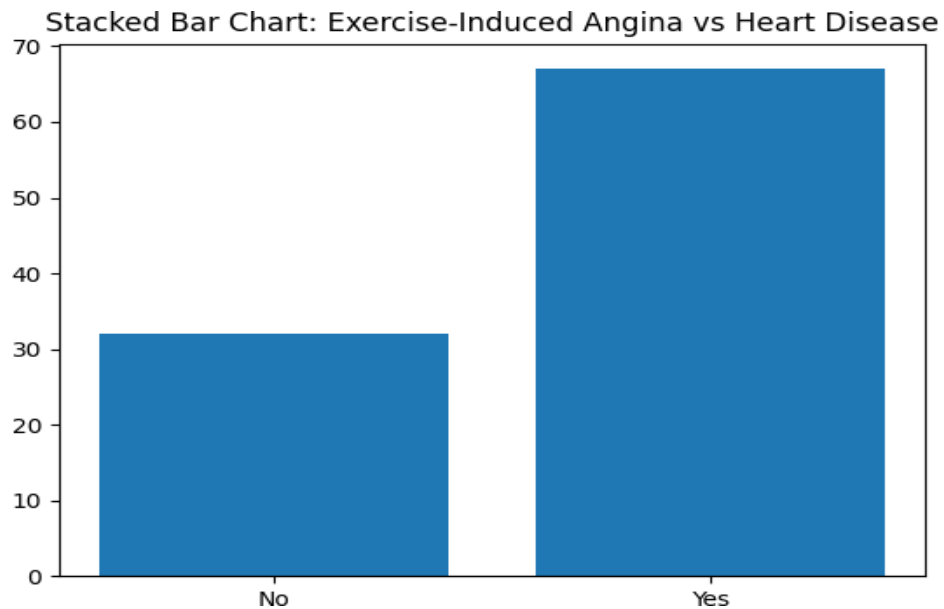


### Business Insight:

Identifies comorbidity groups that are at elevated risk.

## 7. Is exercise-induced angina associated with an increased risk of heart disease?

*Visualization:* Stacked Bar Chart: Exercise-Induced Angina vs Heart Disease

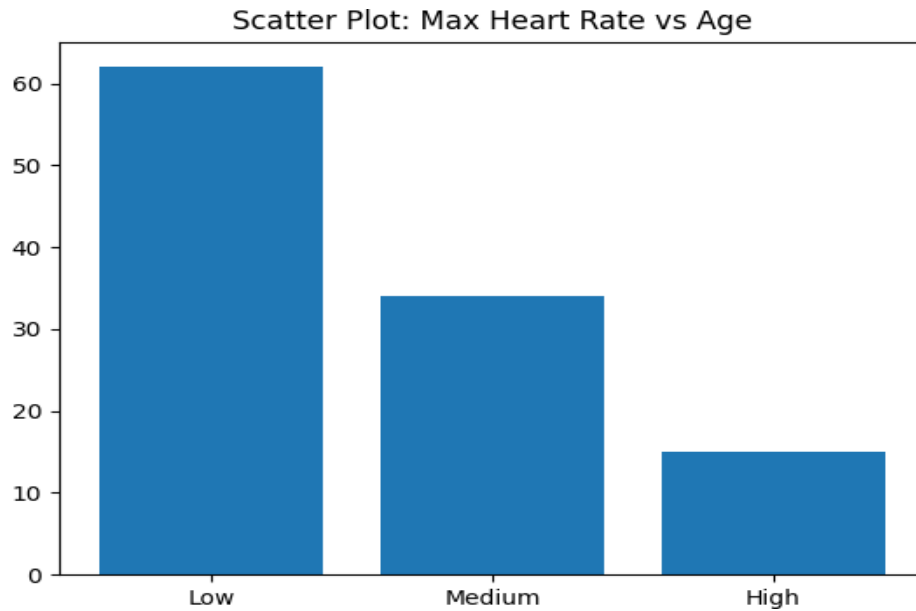


### **Business Insight:**

Promotes prevention strategies focused on healthy lifestyle choices and physical fitness.

## 8. Is the maximum heart rate achieved a predictor of heart disease?

*Visualization:* Scatter Plot: Max Heart Rate vs Age



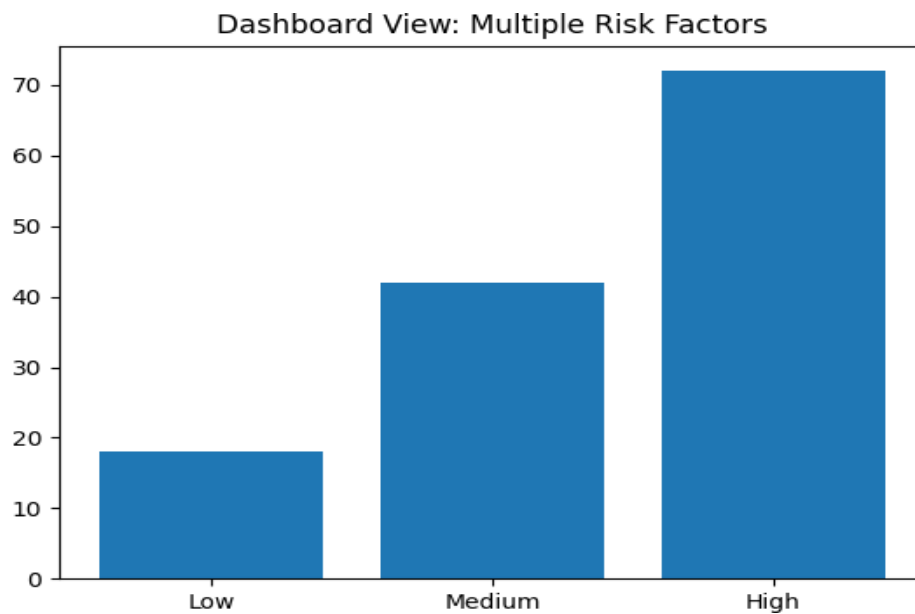
### **Business Insight:**

Enhances early detection of heart disease through stress testing.



## 9. Which combination of factors is associated with the highest risk of heart disease?

*Visualization:* Dashboard View: Multiple Risk Factors

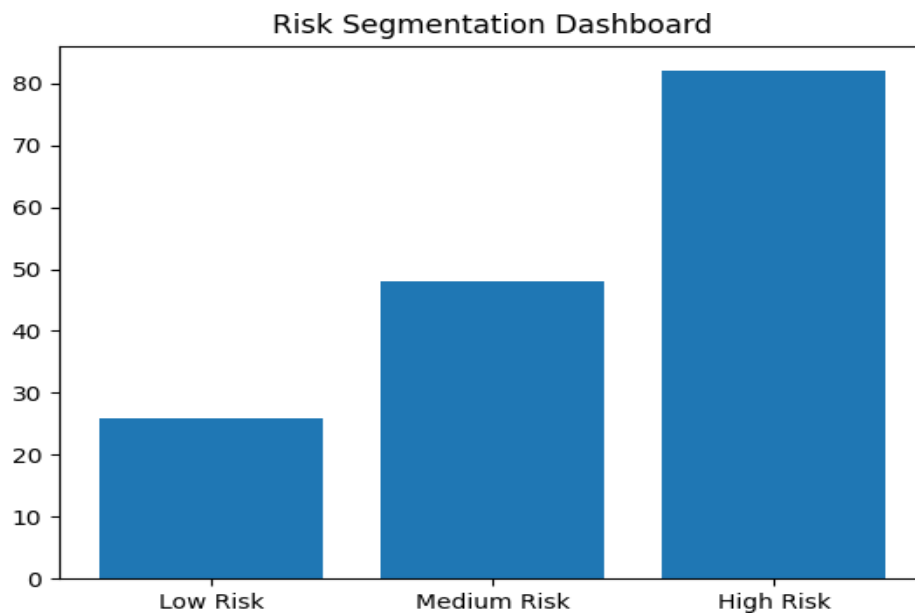


### **Business Insight:**

Assists hospitals in recognizing patient profiles that are at high risk.

## 10. Which group of patients should be given priority for follow-up care?

*Visualization:* Risk Segmentation Dashboard



### **Business Insight:**

Improves cost efficiency while enhancing patient outcomes.