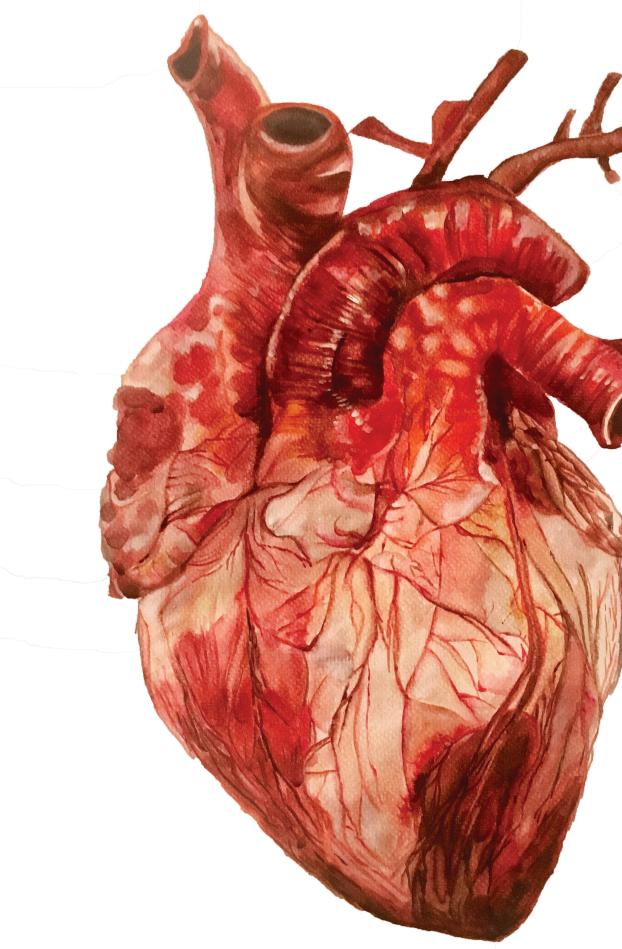


Problems of the Heart Throb

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Chest Pain Type
TA: Typical Angina
ATA: Atypical Angina
NAP: Non-Anginal Pain
ASY: Asymptomatic

Resting ECG

Normal: Normal
ST: having ST-T wave abnormality
LVH: showing probable or definite left ventricular hypertrophy by Estes' criteria

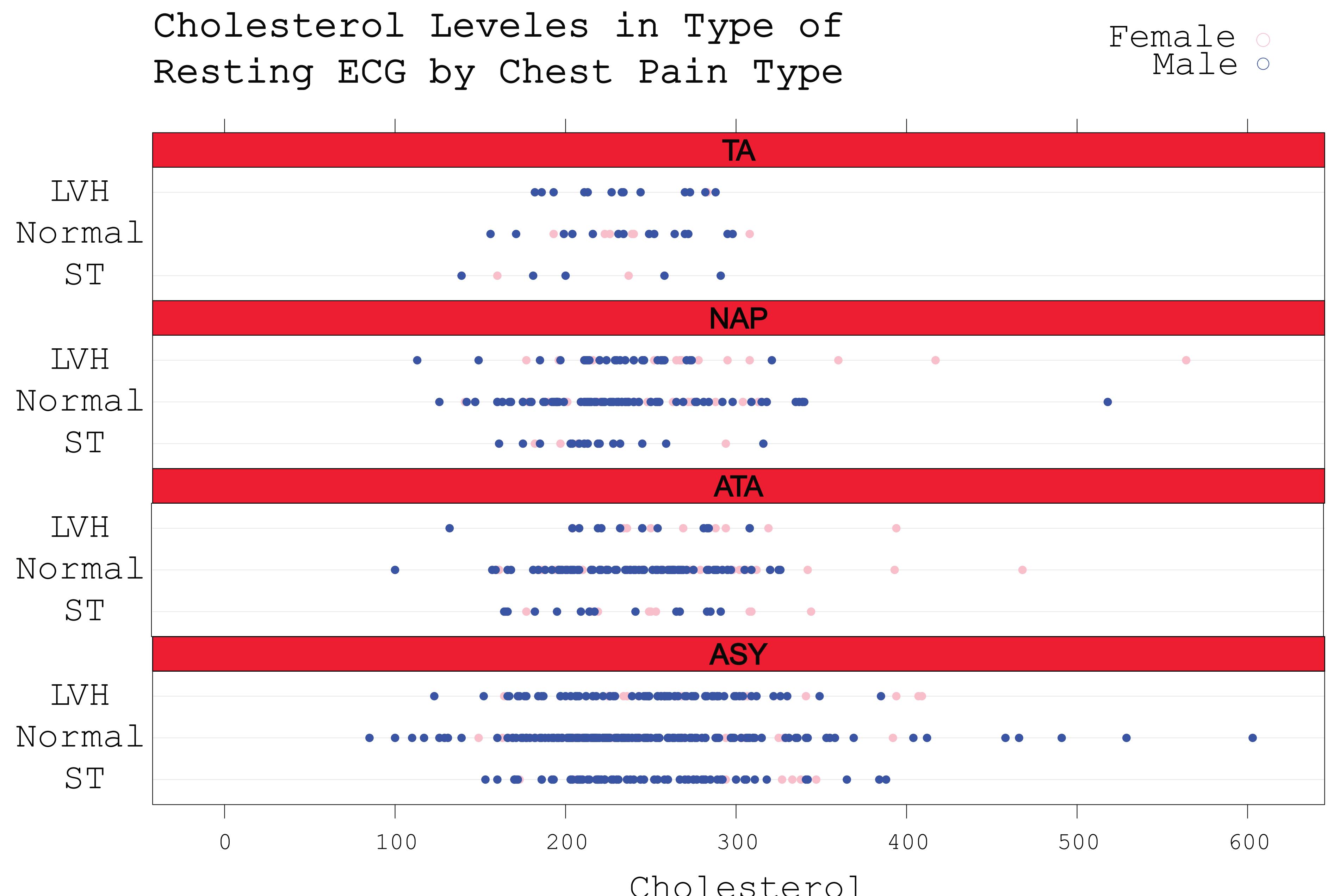
Why Should Everyone Care?

Cardiovascular diseases are the number 1 cause of death globally, taking an estimated 17.9 million lives each year, which accounts for 31% of all deaths worldwide. The Heart Failure Dataset is the largest heart disease dataset available so far for research purposes.

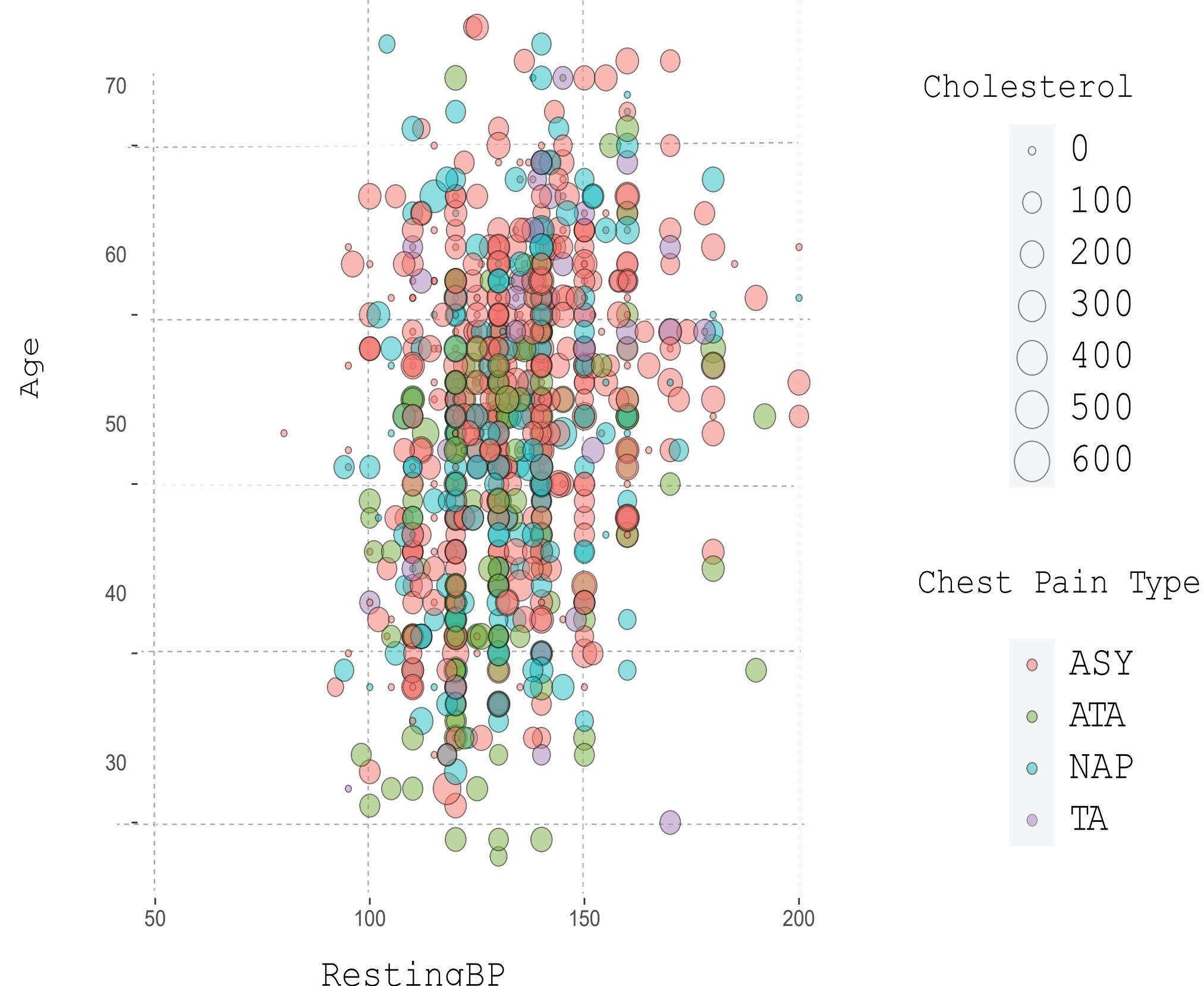
What are the most common cholesterol levels in each type of Resting ECG with each of the Chest Pain analyzed?

A healthy cholesterol is below 200. As you can see, the distribution is mostly above the 200 range. Resting electrocardiogram measures the electrical activity of the heart. When someone is having any classification of chest pain, or feeling normal but having high cholesterol, it is cause for concern.

Cholesterol Levels in Type of Resting ECG by Chest Pain Type



Distribution of Resting BP by Age



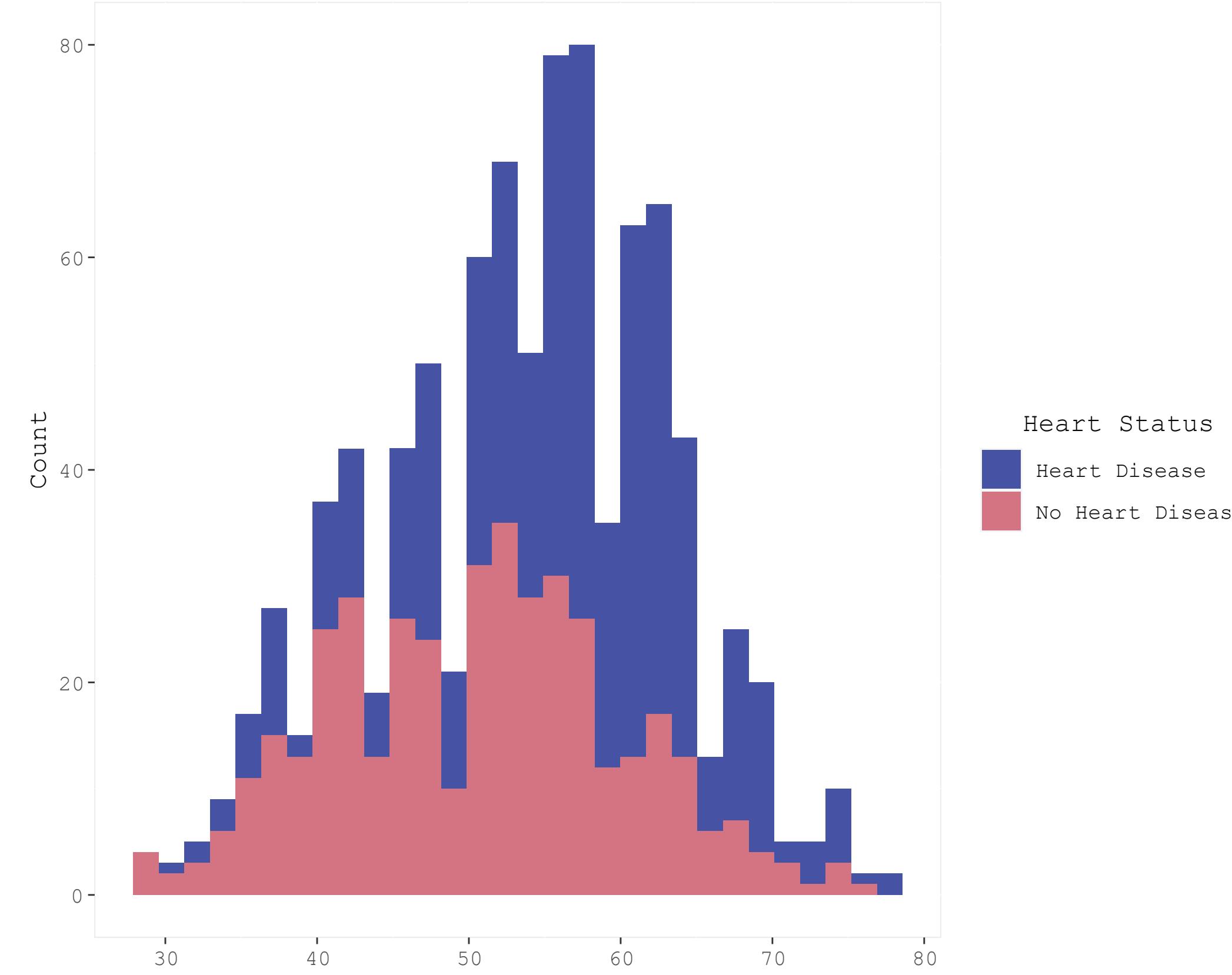
What is the distribution of resting blood pressure on a scale of cholesterol according to age?

With age, blood pressure does rise. However, if not routinely checked, uncontrolled high blood pressure can lead to heart failure and/or death. Systolic failure (when the left ventricle loses its ability to contract normally) could cause organ damage which increases cholesterol, raising the risk of stroke or heart attack.

Heart Attack Symptoms

- Shortness of breath
- Cold sweat
- Fatigue
- Lightheadedness or sudden dizziness

Age Distribution by Age



What is the commonality of heart disease amongst age?

About 659,000 people died from heart disease in the US each year. That's 1 in 4. Part of the reason likelihood of heart diseases decreases with age is because people usually pass away soon after diagnosis.

Resting Blood Pressure vs Age



At what age does blood pressure typically become an issue?

When it comes to resting blood pressure, anything over 130 is considered unhealthy. As seen above, with age hypertension (high blood pressure), increasing the risk of heart diseases.

Source:

<https://www.kaggle.com/fedesori-ano/heart-failure-prediction>

Dimensions: 918x12

R Packages:

ggplot2 | dplyr | hrbrthemes | viridis | tidyverse