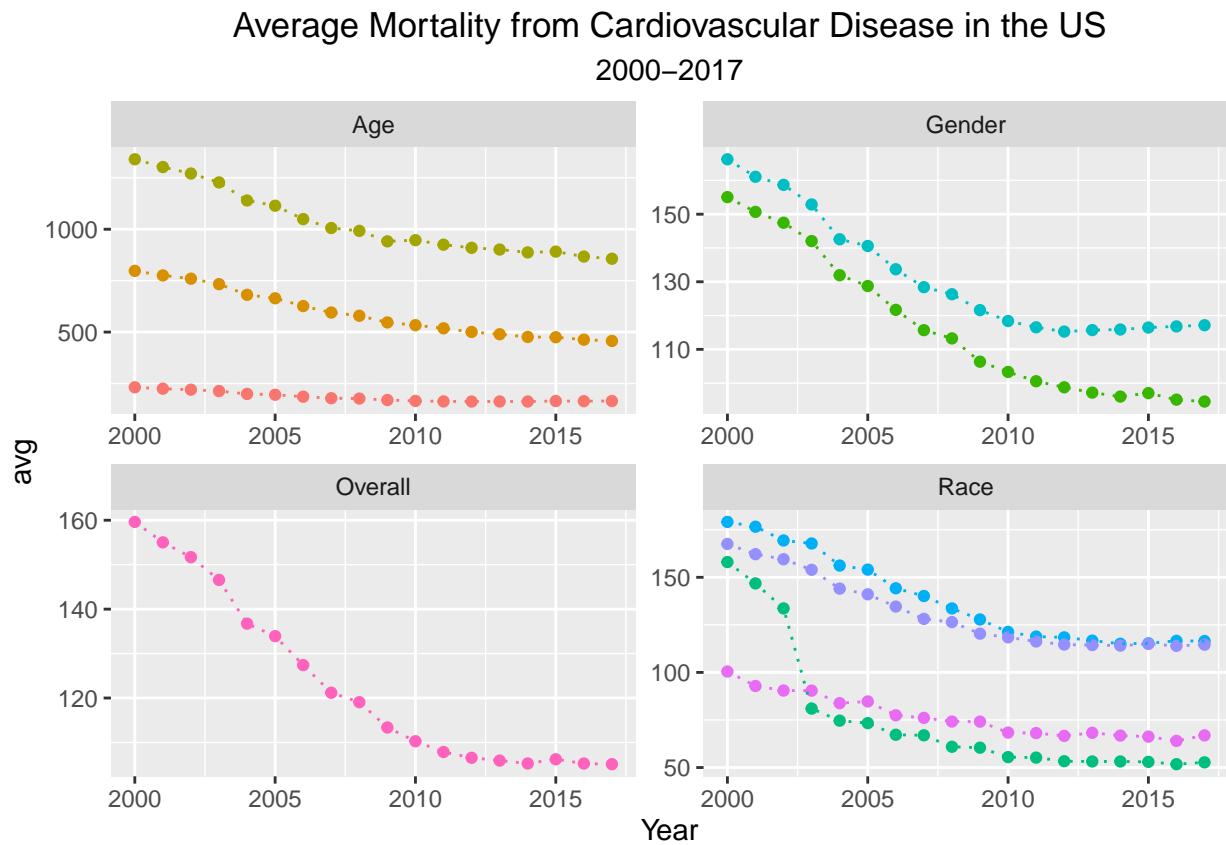


# Mortality and Lifestyle in the US related to Cardiovascular diseases

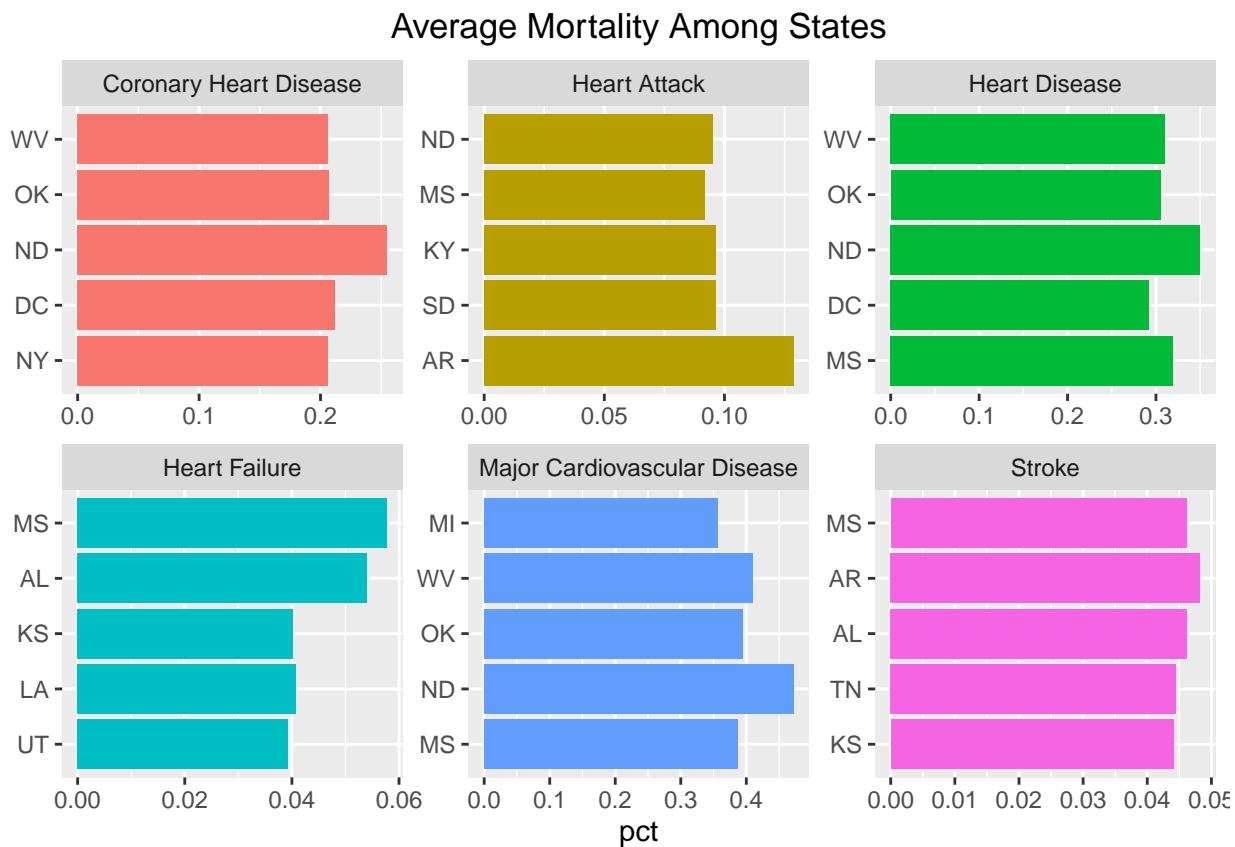
*Diego Reyes, Isaiah Vaughnn, James Tweedle*

12/2/2019

Has the average mortality rate from Cardiovascular Disease in the United States increased/decreased from 2000-2017?

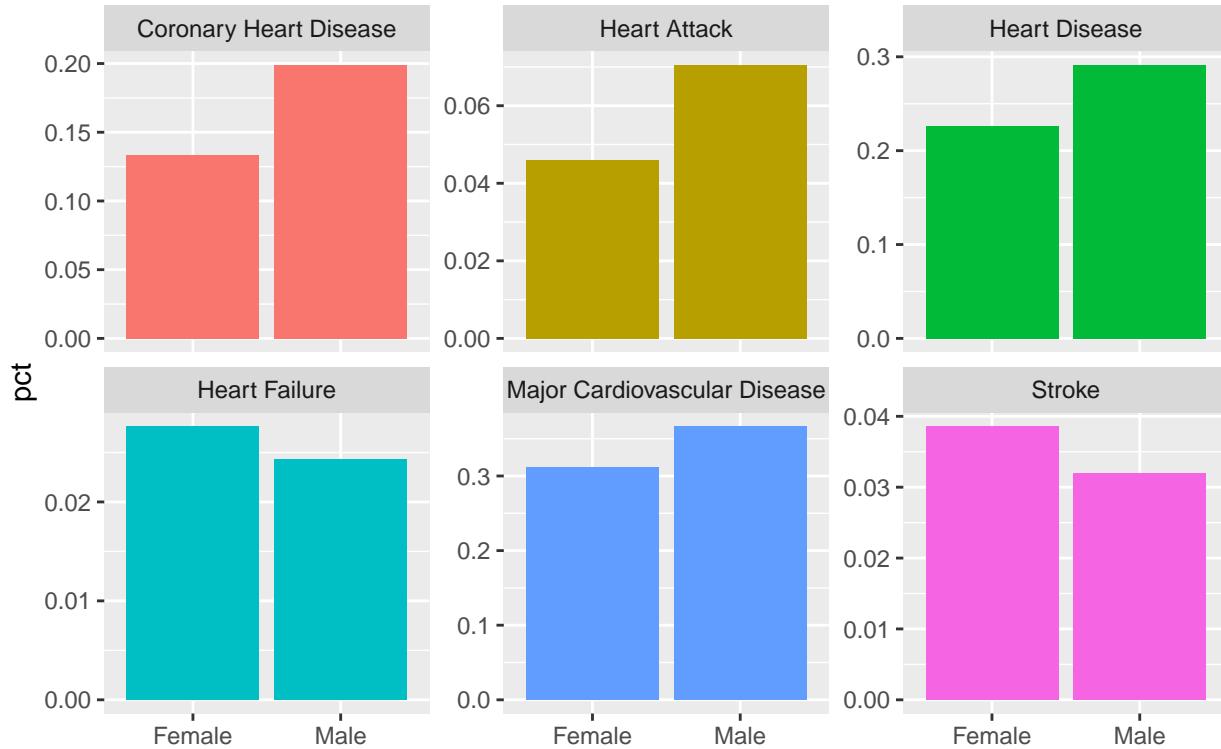


Which states have the highest average mortality from various Cardiovascular diseases?



Which gender has the highest average mortality from various Cardiovascular diseases?

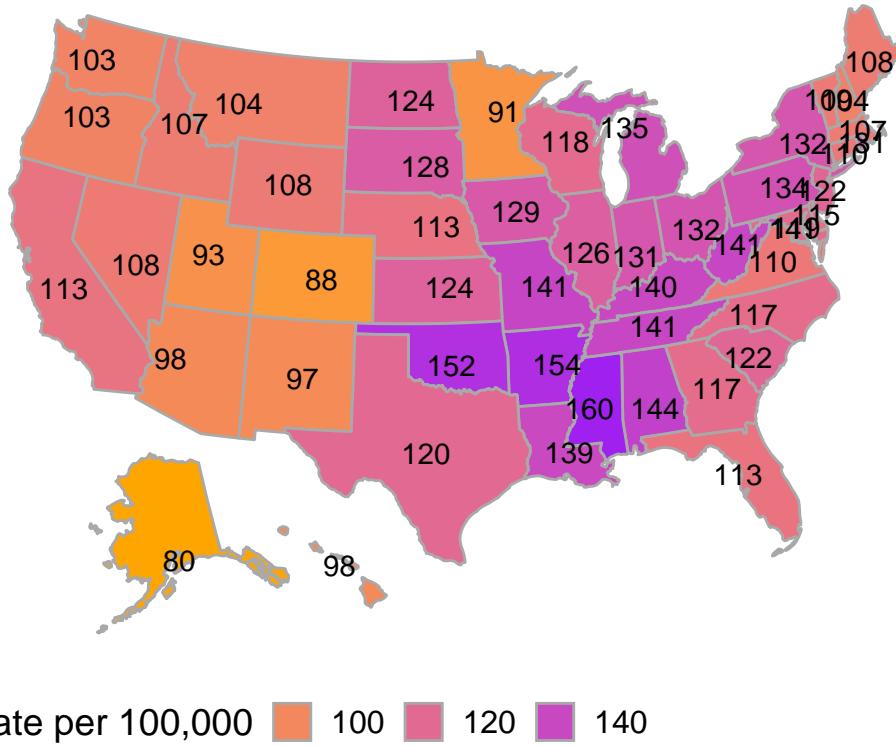
## Average Mortality among Gender



What is the mortality among states due to Cardiovascular diseases?

In this map we can see how the southern states of the US are more affected by cardiovascular diseases, probably because of food or lifestyle. From our dataset we can see that, unfortunately Mississippi, has the highest mortality rate for cardiovascular diseases with 160 per 100,000 population. The state with the lowest cardiovascular mortality rate is Alaska with a rate of 80 per 100,000

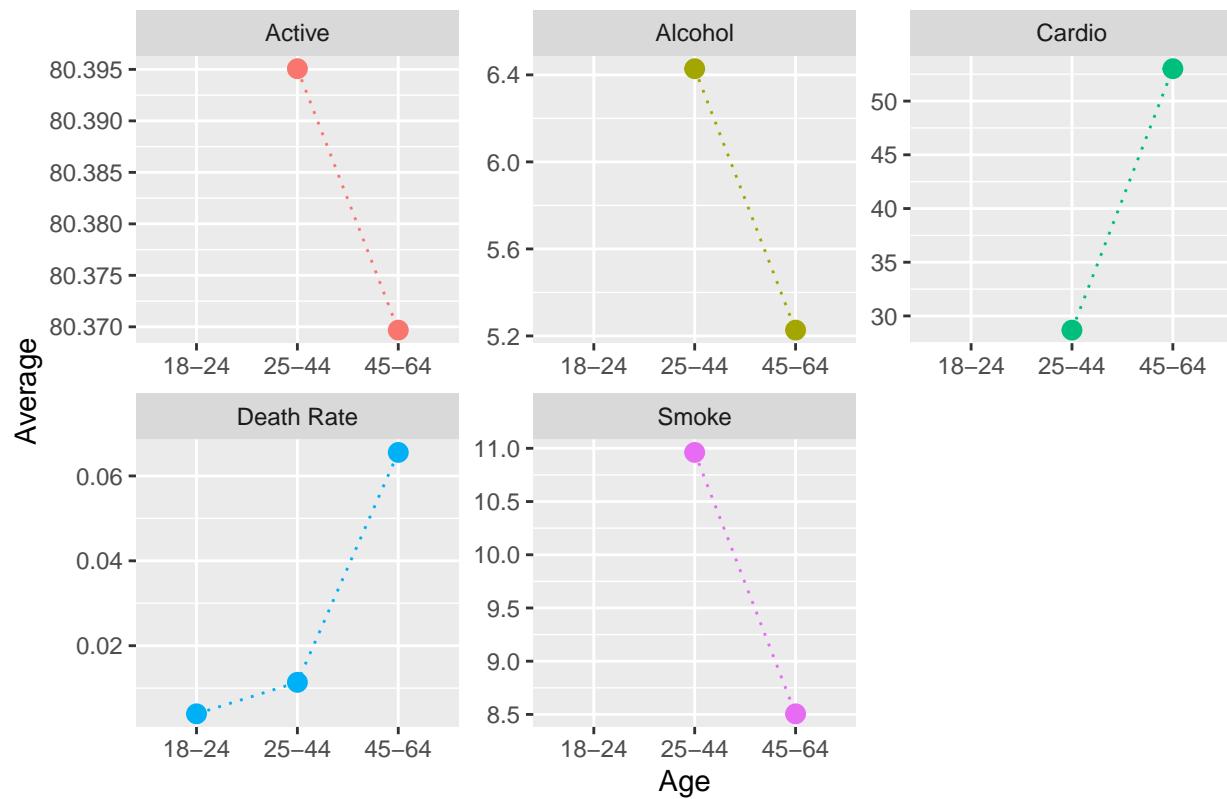
## Average Death Rate – Age standarized



What is the relationship between age groups, life styles, Cardiovascular disease and death rates?

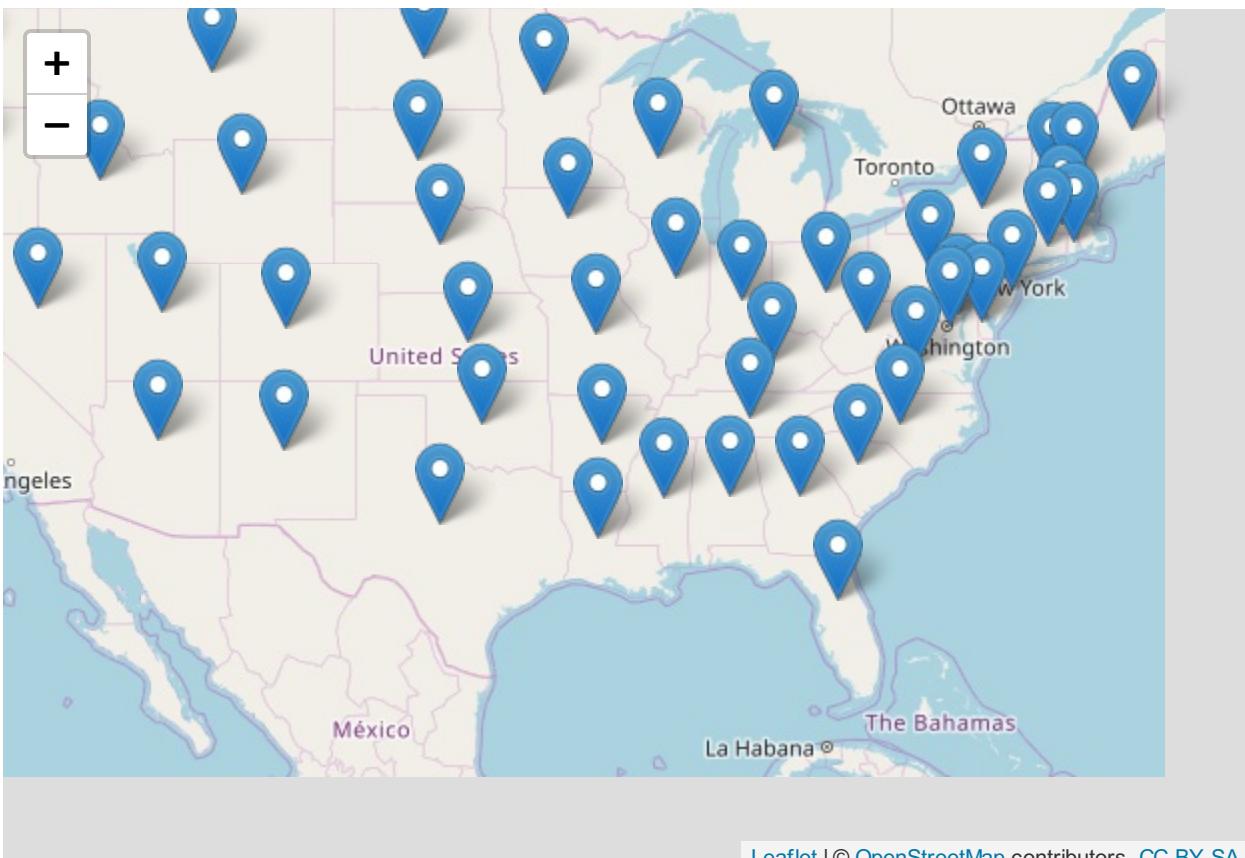
As we can see on the graph there is a significant increase in the percent of people with cardiovascular disease for the second age group, and a similar trend can be seen for the mortality rate. While there is a decrease in activity from the first to second age group, it is a very small change compared to the others. It can be interpreted as that there might be other relevant factors that impact cardiovascular diseases and death rates rather than only activity.

## Comparison of lifestyles with average death rates



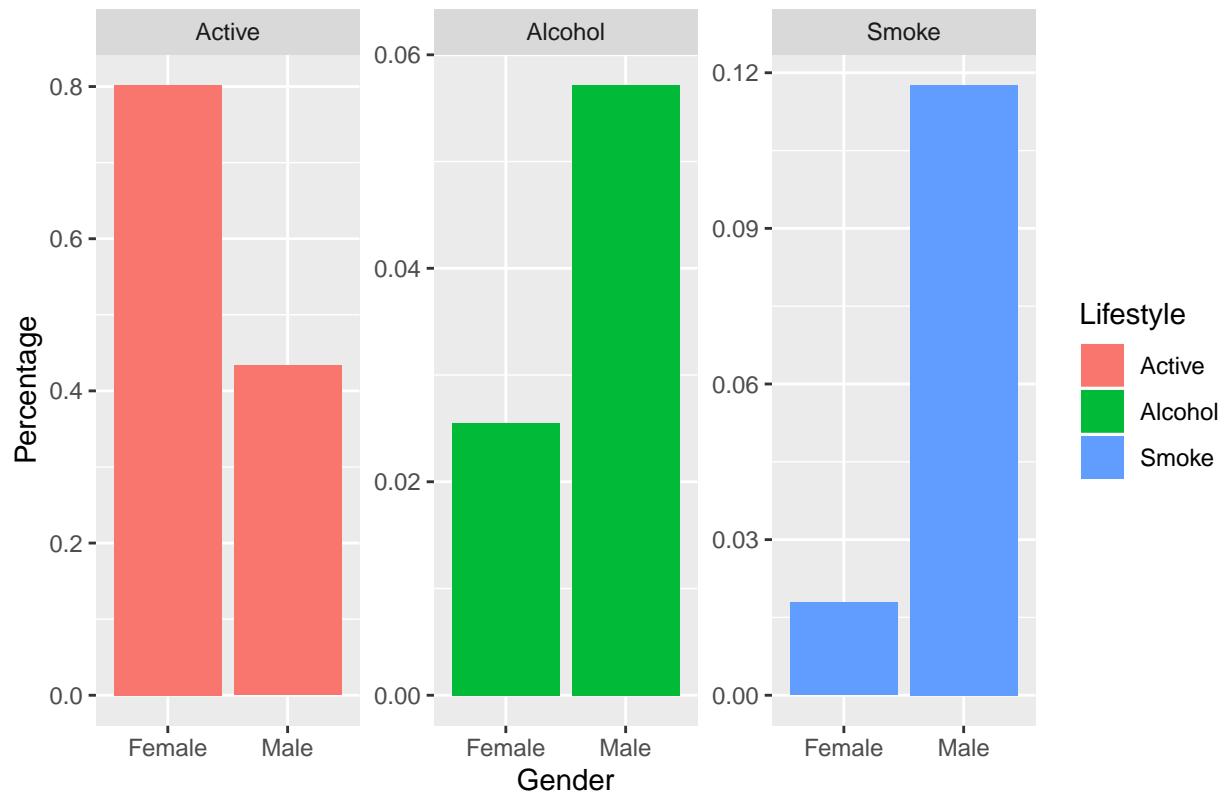
### What is the average mortality by state?

Rates are expressed as per 100,000 population. We wanted to display the different topics or diseases analyzed in the dataset to compare the mortality rates by topic for each state. With a leaflet map we were able to add labels to each state to show the mortality rates per topic in an interactive map.

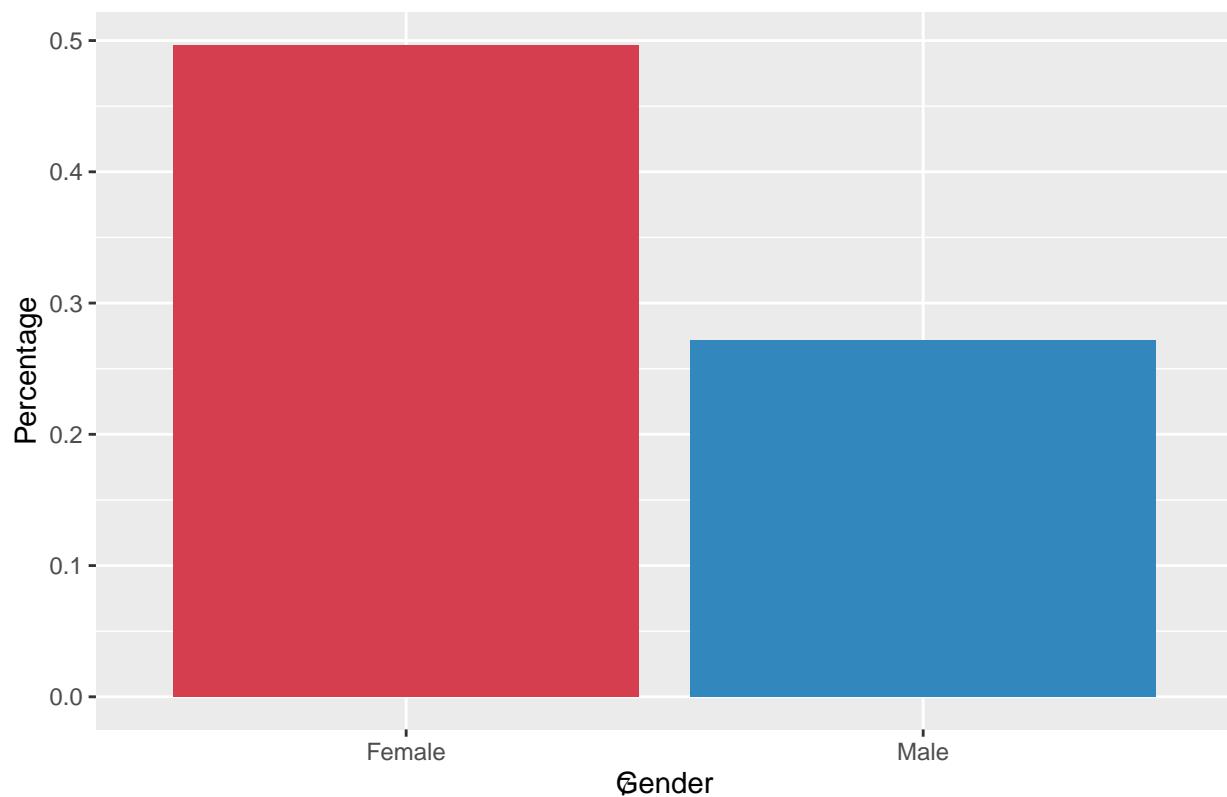


What are lifestyle percentages by gender, and what factors affect Cardiovascular disease incidence?

Comparing Percentages of each Lifestyle by Gender

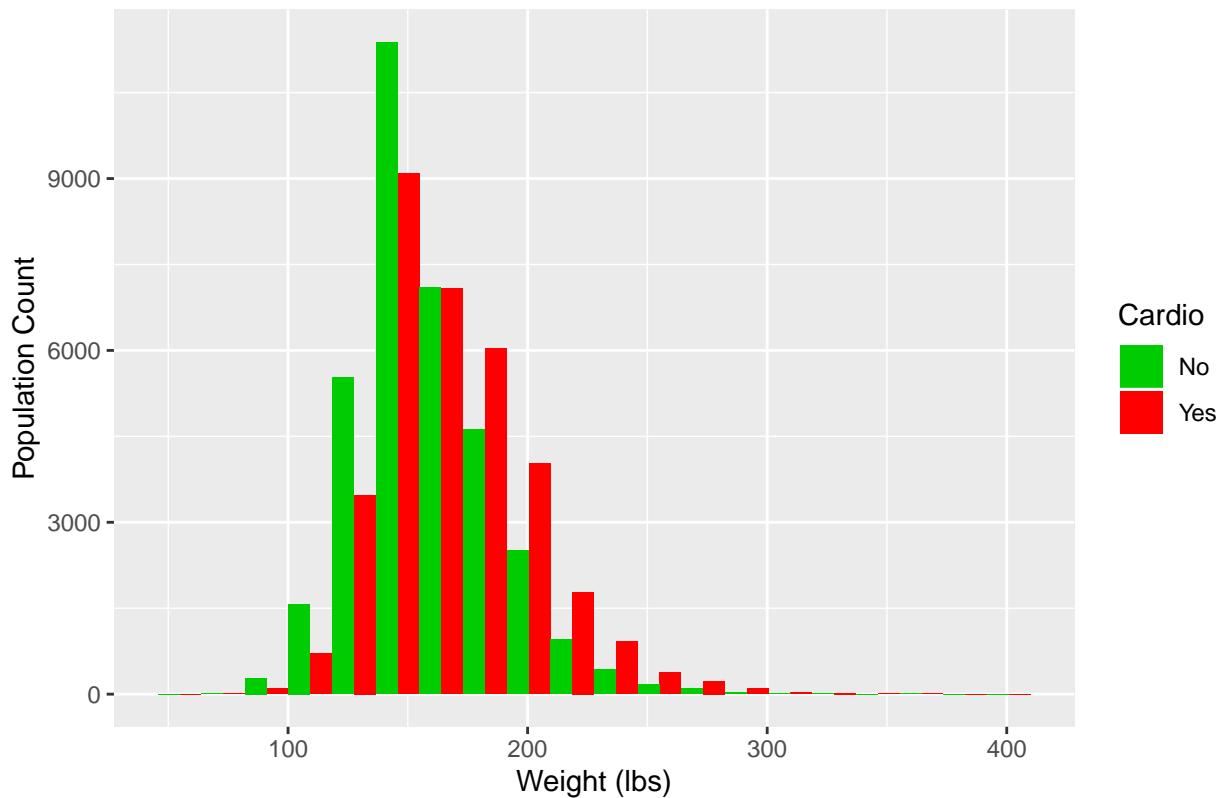


Percentage of Gender with Cardiovascular Disease

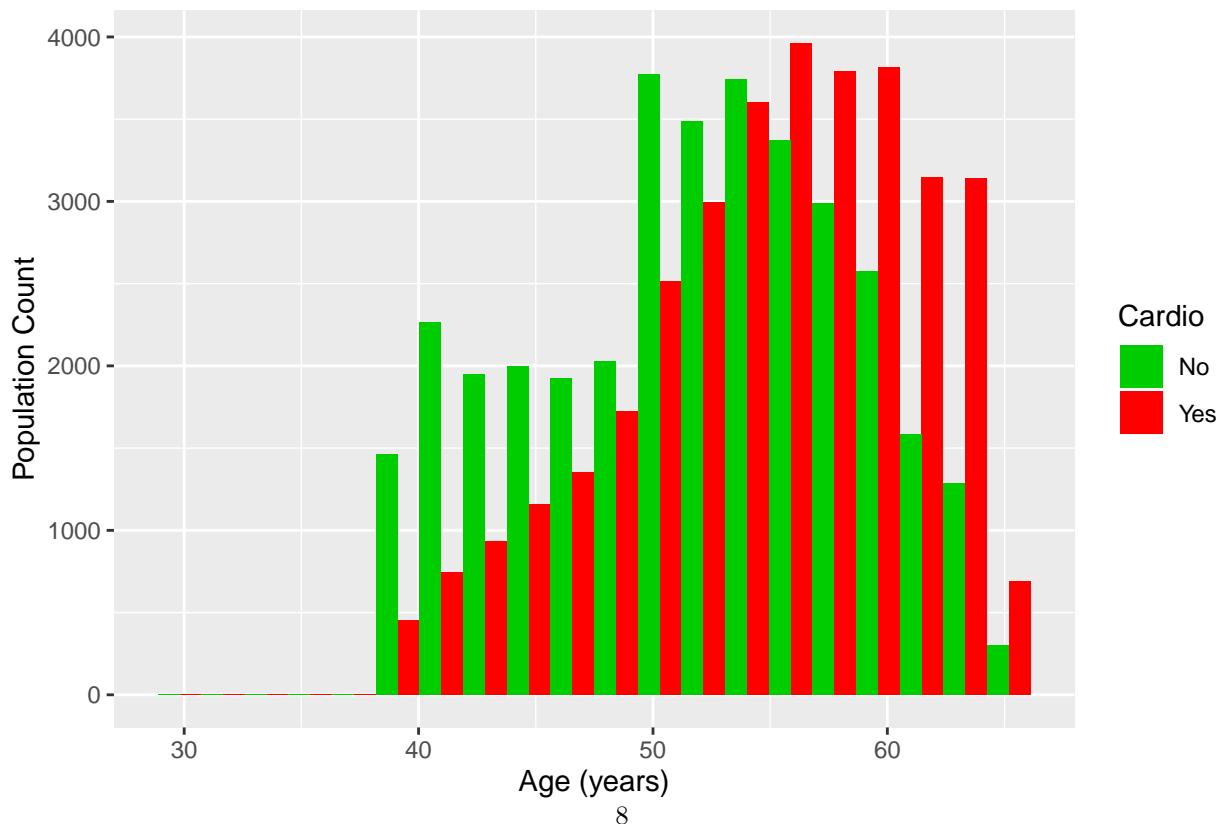


## Distributions of Lifestyles with Cardiovascular Disease

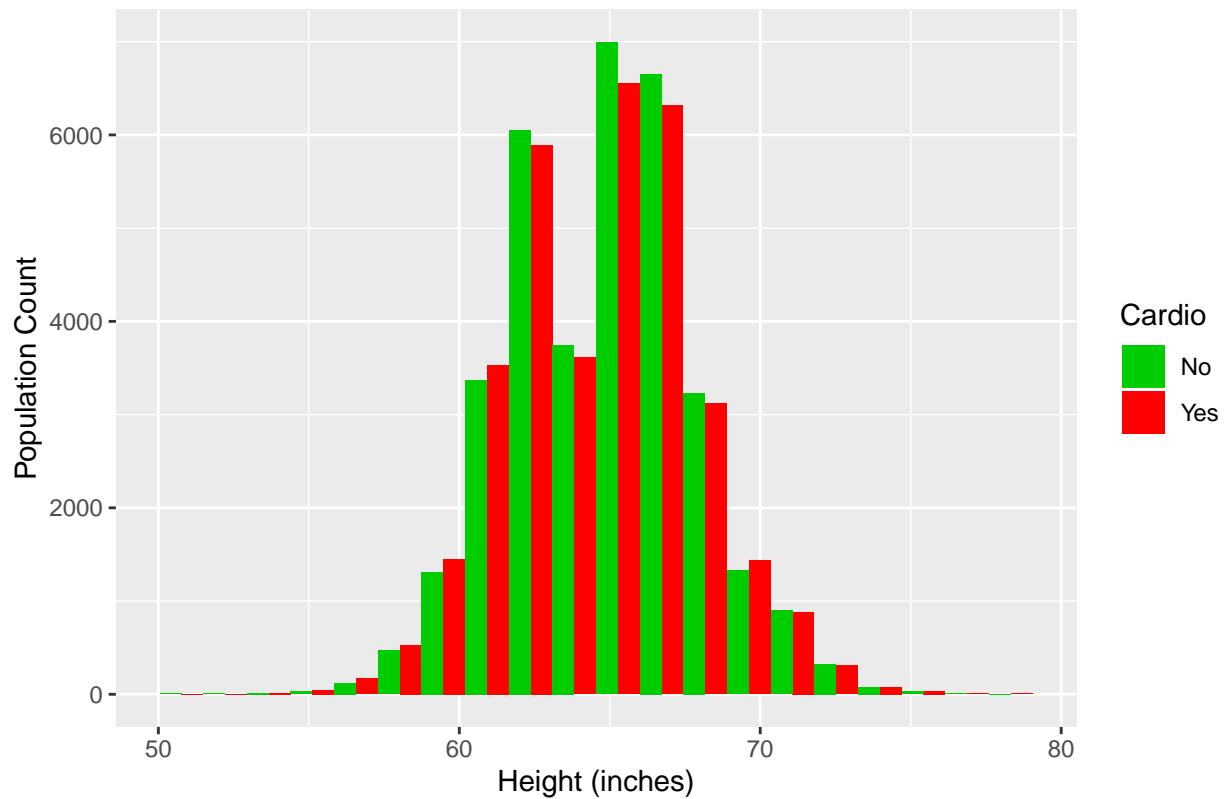
Weight Distribution Relative to Cardiovascular Disease



Age Distribution relative to Cardiovascular Disease

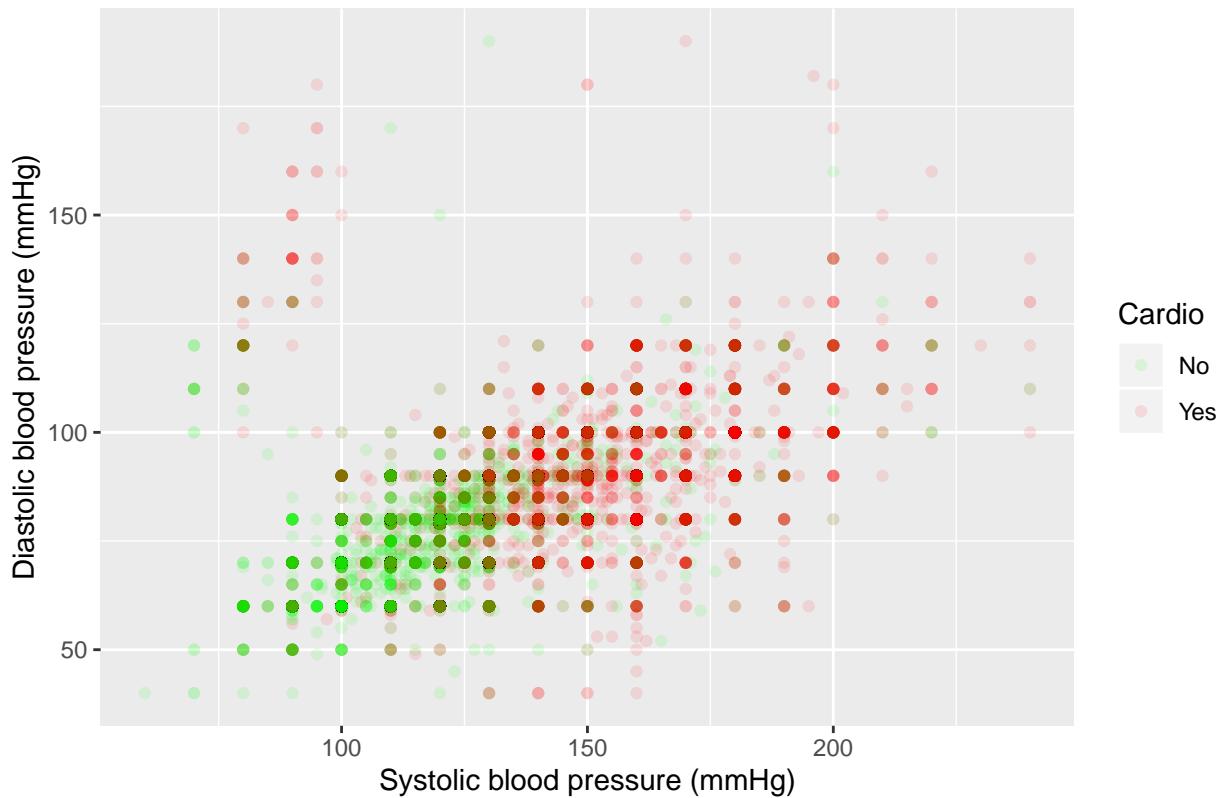


## Height Distribution relative to Cardiovascular Disease

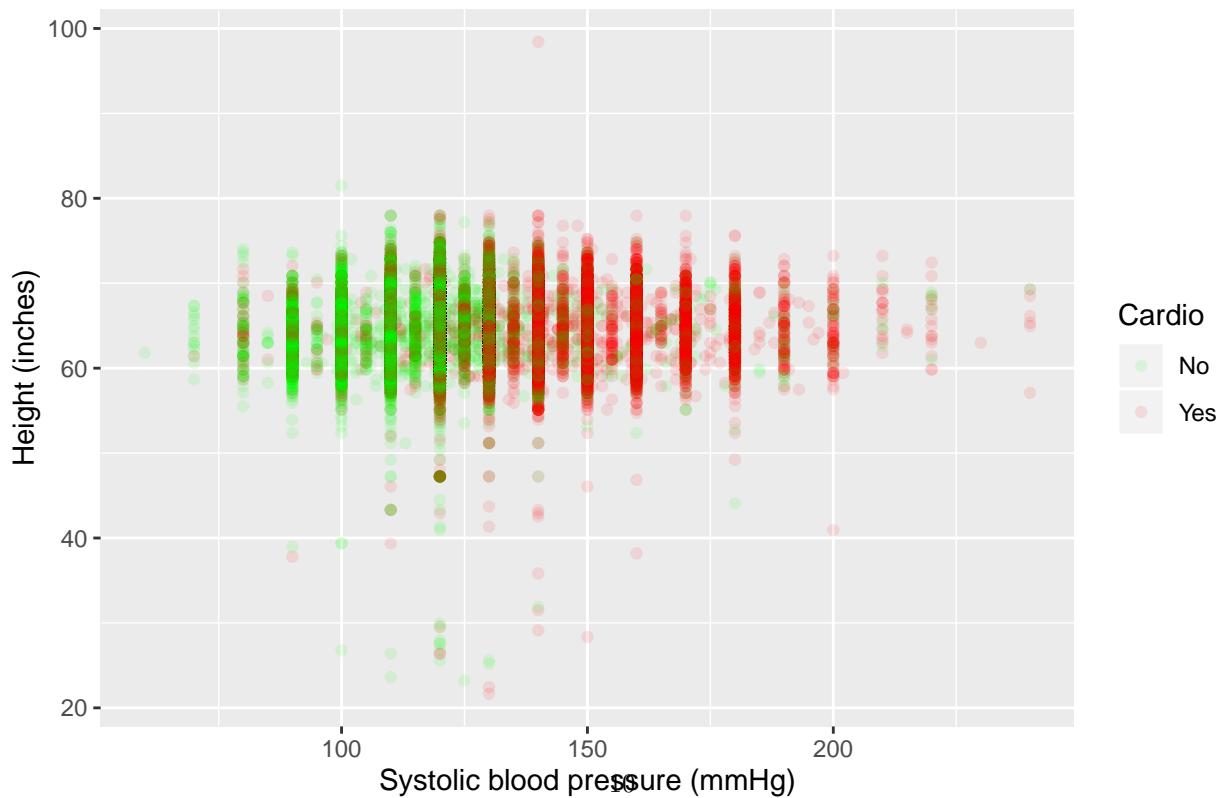


How are systolic and diastolic blood pressure indicators of Cardiovascular Disease?

Blood Pressure with Cardiovascular Disease



Heights affect on Cardiovascular Disease



## Weights affect on Cardiovascular Disease

