

Visualizing and Predicting Heart Diseases with an Interactive Dash Board

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Exploration Of BP By Age: **Blood Pressure variation by Age**

Here we need to consider the age as a dimension, because we want to plot the BP values against it. Changing the age from a measure to dimension will allow us to plot all values from BP present in the dataset corresponding to their age.

Blood pressure readings are composed of two numbers—for example, 120/80 mm Hg. Both numbers are an important part of your blood pressure reading.

The top number ([systolic pressure](#)) measures the pressure in your arteries when your heart beats. The bottom number (diastolic pressure) measures the pressure in your arteries between each heart beat.

The standard unit of measure, mm Hg, stands for "millimeters of mercury." Mercury pressure gauges have been replaced with electronic pressure gauges, but the abbreviation is still used.

Blood Pressure by Age

	Men	Women
18-39 years	119/70 mm Hg	110/68 mm Hg

40-59 years 124/77 mm Hg 122/74 mm Hg

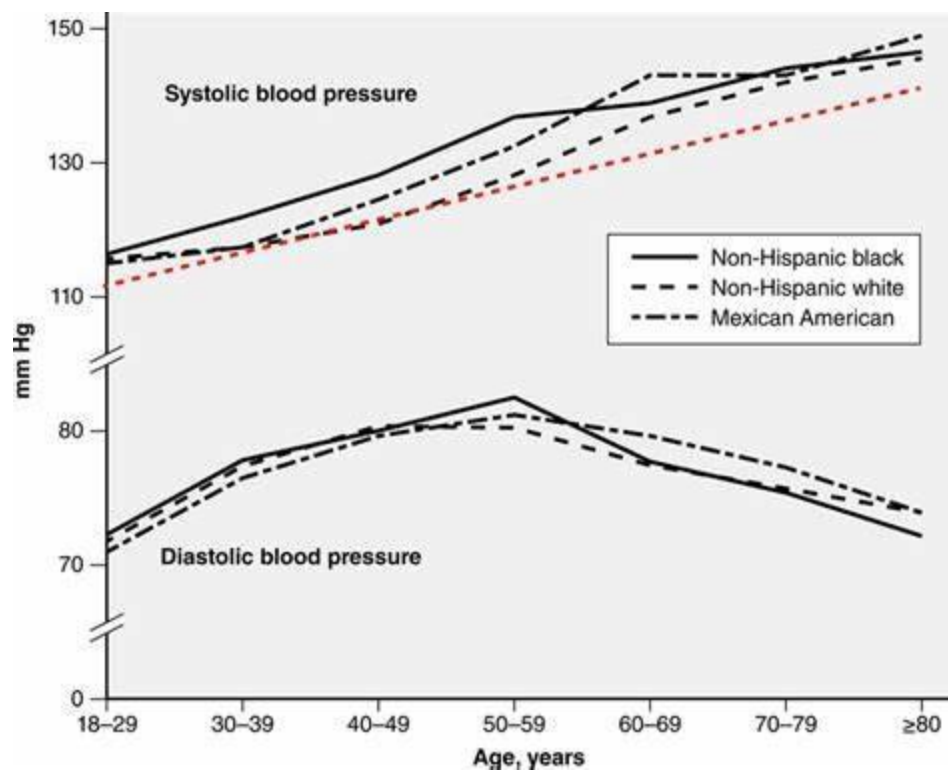
60+ years 133/69 mm Hg 139/68 mm Hg

Blood Pressure by Race/Ethnicity

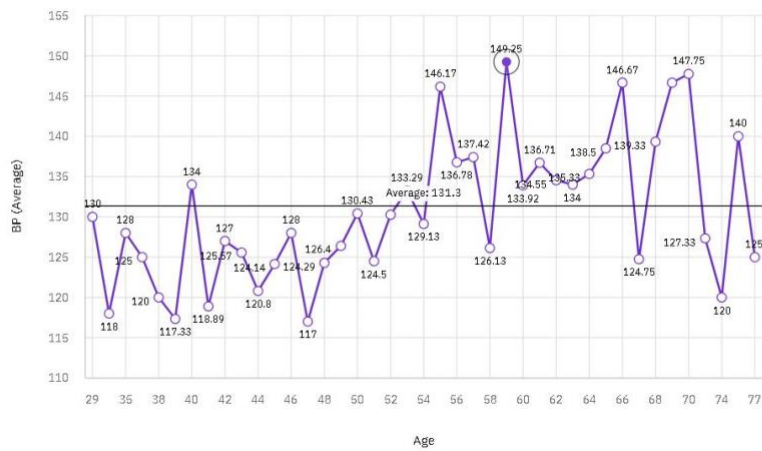
White 122/71 mm Hg

Black 127/73 mm Hg

Mexican American 123/70 mm Hg



BP by Age



Analytics

Insights



Show average value



The average value of BP is 131.3.

Show meaningful differences



1 found

Show predictive strength



There is no reliable predictive relationship between Age and BP.