**Data**

This database contains 14 physical attributes based on physical testing of a patient. Blood samples are taken and the patient also conducts a brief exercise test. The "goal" field refers to the presence of heart disease in the patient. It is integer (0 for no presence, 1 for presence). In general, to confirm 100% if a patient has heart disease can be quite an invasive process, so if we can create a model that accurately predicts the likelihood of heart disease, we can help avoid expensive and invasive procedures.

Content

Attribute Information:

* age
* sex
* chest pain type (4 values)
* resting blood pressure
* serum cholestoral in mg/dl
* fasting blood sugar > 120 mg/dl
* resting electrocardiographic results (values 0,1,2)
* maximum heart rate achieved
* exercise induced angina
* oldpeak = ST depression induced by exercise relative to rest
* the slope of the peak exercise ST segment
* number of major vessels (0-3) colored by flourosopy
* thal: 3 = normal; 6 = fixed defect; 7 = reversable defect
* target:0 for no presence of heart disease, 1 for presence of heart disease

Original Source: <https://archive.ics.uci.edu/ml/datasets/Heart+Disease>

Creators:

Hungarian Institute of Cardiology. Budapest: Andras Janosi, M.D. University Hospital, Zurich, Switzerland: William Steinbrunn, M.D. University Hospital, Basel, Switzerland: Matthias Pfisterer, M.D. V.A. Medical Center, Long Beach and Cleveland Clinic Foundation: Robert Detrano, M.D., Ph.D.