Heart Disease Dataset Attribute Description

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| **S.No.** | **Attribute** | **Code given** | **Unit** | **Data type** |
| 1 | age | age | in years | Numeric |
| 2 | sex | sex | 1, 0 | Binary |
| 3 | chest pain type | chest\_pain\_type | 1,2,3,4 | Nominal |
| 4 | resting blood pressure | resting\_bp\_s | in mm Hg | Numeric |
| 5 | serum cholesterol | cholesterol | in mg/dl | Numeric |
| 6 | fasting blood sugar | fasting\_blood\_sugar | 1,0 > 120 mg/dl | Binary |
| 7 | resting electrocardiogram results | resting\_ecg | 0,1,2 | Nominal |
| 8 | maximum heart rate achieved | max\_heart\_rate | 60–202 | Numeric |
| 9 | exercise induced angina | exercise\_angina | 0,1 | Binary |
| 10 | oldpeak =ST | oldpeak | 0.0-6.2 | Numeric |
| 11 | the slope of the peak exercise ST segment | ST\_slope | 0,1,2 | Nominal |
| 12 | class | target | 0,1 | Binary |

Description of Nominal Attributes

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| **Attribute** | **Description** |
| Sex | 1 = male, 0= female; |
| Chest Pain Type | -- Value 1: typical angina  -- Value 2: atypical angina  -- Value 3: non-anginal pain  -- Value 4: asymptomatic |
| Fasting Blood sugar | (fasting blood sugar > 120 mg/dl) (1 = true; 0 = false) |
| Resting electrocardiogram results | -- Value 0: normal  -- Value 1: having ST-T wave abnormality (T wave inversions and/or ST elevation or depression of > 0.05 mV)  -- Value 2: showing probable or definite left ventricular hypertrophy by Estes' criteria |
| Exercise induced angina | 1 = yes; 0 = no |
| the slope of the peak exercise ST segment | -- Value 1: upsloping  -- Value 2: flat  -- Value 3: downsloping |
| Target | 1 = heart disease, 0 = Normal |

**Source:** <https://ieee-dataport.org/open-access/heart-disease-dataset-comprehensive>