Each attribute is a potential risk factor. There are both demographic, behavioural and medical risk factors.

Demographic:

• Sex: male or female(Nominal)

• Age: Age of the patient;(Continuous - Although the recorded ages have been truncated to whole numbers, the concept of age is continuous)

* Education: 1 = Some High School; 2 = High School or GED; 3 = Some College or Vocational School; 4 = college

Behavioural

• Current Smoker: whether or not the patient is a current smoker (Nominal)

• Cigs Per Day: the number of cigarettes that the person smoked on average in one day.(can be considered continuous as one can have any number of cigarettes, even half a cigarette.)

Medical( history)

• BP Meds: whether or not the patient was on blood pressure medication (Nominal)

• Prevalent Stroke: whether or not the patient had previously had a stroke (Nominal)

• Prevalent Hyp: whether or not the patient was hypertensive (Nominal)

• Diabetes: whether or not the patient had diabetes (Nominal)

Medical(current)

• Tot Chol: total cholesterol level (Continuous)

• Sys BP: systolic blood pressure (Continuous)

• Dia BP: diastolic blood pressure (Continuous)

• BMI: Body Mass Index (Continuous)

• Heart Rate: heart rate (Continuous - In medical research, variables such as heart rate though in fact discrete, yet are considered continuous because of large number of possible values.)

• Glucose: glucose level (Continuous)

Predict variable (desired target)

• 10 year risk of coronary heart disease CHD (binary: “1”, means “Yes”, “0” means “No”)