Explanation of variables in the Framingham Data Set

Participants were free of cardiac disease when they entered the study. However, this data is from period 3, and some participants may have developed some outcomes since entering the study. For example, subject 95148 entered the study (time=0 or period=1) free of prevalent coronary heart disease (prevchd=0 at period=1); however, during followup, an MI event occurred at day 3607 following the baseline examination. The MI occurred after the second exam the subject attended (period=2 or time=2128 days), but before the third attended exam (period=3 or time=4192 days). Since the event occurred prior to the third exam, the subject was prevalent for CHD (prevchd=1) at the third examination. Note that the event data (mi\_fchd, timemifc) covers the entire followup period and does not change according to exam.

**Risk Factors and Charascteristics**

The following characteristics or risk factor data are provided in the dataset. Missing values in the dataset are indicated by a period (.).

| Variable | Description | Units | Range or count |
| --- | --- | --- | --- |
| RANDID | Unique identification number for each participant |  | 2448-9999312 |
| SEX | Participant sex | 1=Men  2=Women | n=5022  n=6605 |
| TOTCHOL | Serum Total Cholesterol (mg/dL) |  | 107-696 |
| TIME | Number of days since baseline exam |  | 0-4854 |
| AGE | Age at exam (years) |  | 32-81 |
| SYSBP | Systolic Blood Pressure (mean of last two of three measurements) (mmHg) |  | 83.5-295 |
| DIABP | Diastolic Blood Pressure (mean of last two of three measurements) (mmHg) |  | 30-150 |
| CURSMOKE | Current cigarette smoking at exam | 0=Not current smoker  1=Current smoker | n=6598  n=5029 |
| CIGPDAY | Number of cigarettes smoked each day | 0=Not current smoker  1-90 cigarettes per day | |
| BMI | Body Mass Index, weight in kilograms/height meters squared |  | 14.43-56.8 |
| DIABETES | Diabetic according to criteria of first exam treated or first exam with casual glucose of 200 mg/dL or more | 0=Not a diabetic  1=Diabetic | n=11097  n=530 |
| HDLC | High Density Lipoprotein Cholesterol (mg/dL) | available for period 3 only | 10-189 |
| LDLC | Low Density Lipoprotein Cholesterol (mg/dL) | available for period 3 only | 20-565 |
| PREVAP | Prevalent Angina Pectoris at exam | 0=Free of disease  1=Prevalent disease | n=11000  n=627 |
| PREVCHD | Prevalent Coronary Heart Disease defined as pre-existing Angina Pectoris, Myocardial Infarction (hospitalized, silent or unrecognized), or Coronary Insufficiency (unstable angina) | 0=Free of disease  1=Prevalent disease | n=10785  n=842 |
| PREVMI | Prevalent Myocardial Infarction | 0=Free of disease  1=Prevalent disease | n=11253  n=374 |
| PREVSTRK | Prevalent Stroke | 0=Free of disease  1=Prevalent disease | n=11475  n=152 |
| PREVHYP | Prevalent Hypertensive. Subject was defined as hypertensive if treated or if second exam at which mean systolic was >=140 mmHg or mean Diastolic >=90 mmHg | 0=Free of disease  1=Prevalent disease | n=6283  n=5344 |

**Outcomes**

For Each participant the following event data is provided. For each type of event, ‘0'

indicates the event did not occur during followup, and ‘1' indicates an event did occur during followup. Only the first event occurring during the interval of baseline (PERIOD=1) to end of followup is provided:

| Variable name | Description |
| --- | --- |
| ANGINA | Angina Pectoris |
| HOSPMI | Hospitalized Myocardial Infarction |
| MI\_FCHD | Hospitalized Myocardial Infarction or Fatal Coronary Heart Disease |
| ANYCHD | Angina Pectoris, Myocardial infarction (Hospitalized and silent or unrecognized), Coronary Insufficiency (Unstable Angina), or Fatal Coronary Heart Disease |
| STROKE | Atherothrombotic infarction, Cerebral Embolism, Intracerebral Hemorrhage, or Subarachnoid Hemorrhage or Fatal Cerebrovascular Disease |
| CVD | Myocardial infarction (Hospitalized and silent or unrecognized), Fatal Coronary Heart Disease, Atherothrombotic infarction, Cerebral Embolism, Intracerebral Hemorrhage, or Subarachnoid Hemorrhage or Fatal Cerebrovascular Disease |
| HYPERTEN | Hypertensive. Defined as the first exam treated for high blood pressure or second exam in which either Systolic is $ 140 mmHg or Diastolic $ 90mmHg |
| DEATH | Death from any cause |
| TIMEAP | Number of days from Baseline exam to first Angina during the followup or Number of days from Baseline to censor date. Censor date may be end of followup, death or last known contact date if subject is lost to followup |
| TIMEMI | Defined as above for the first HOSPMI event during followup |
| TIMEMIFC | Defined as above for the first MI\_FCHD event during followup |
| TIMECHD | Defined as above for the first ANYCHD event during followup |
| TIMESTRK | Defined as above for the first STROKE event during followup |
| TIMECVD | Defined as above for the first CVD event during followup |
| TIMEHYP | Defined as above for the first HYPERTEN event during followup |
| TIMEDTH | Number of days from Baseline exam to death if occurring during followup or Number of days from Baseline to censor date. Censor date may be end of followup, or last known contact date if subject is lost to followup |