

FRAMINGHAM HEART STUDY - CODING MANUAL

FRAMINGHAM HEART STUDY SEQUENCE OF EVENTS (SOE)

COHORT: ORIGINAL, OFFSPRING, NEW OFFSPRING SPOUSE, GENERATION 3

DATA COLLECTION TIME FRAME: EVENTS REVIEWED THROUGH 12/31/2007

SAS DATASET NAME: VR_SOE_2007_M_0021D.SAS7BDAT

The value ranges and observation number stated in the manual are based on the original data set. In some cases, observation may be deleted due to participant consent form restrictions. If observations have been deleted from this data set, the ranges or observation number may differ from those stated in this manual.

EACH EVENT IS A SEPARATE RECORD IN THIS FILE.

IF A UNIQUE ID HAS TWO OR MORE EVENTS WITH THE SAME DATE VALUE, THE ORDER OF EVENTS IN THE DATA SET DOES NOT NECESSARILY REFLECT THE NATURAL ORDER OF EVENTS.

THIS DATA SET IS NOW GENERATED ANNUALLY. INCLUDED ARE EVENTS REVIEWED ON/BEFORE 12/31/2007. EVENTS REVIEWED AFTER 12/31/2007 WILL APPEAR IN THE NEXT ANNUAL UPDATE.

EVENTS CAN TAKE UP TO TWO YEARS TO BE REVIEWED AFTER THEY BECOME KNOWN. THIS FILE DOES NOT REPRESENT FOLLOW UP THROUGH 12/31/2007. THE CORRESPONDING SURVIVAL FILE CONTAINS FOLLOW UP INFORMATION.

<u>VARIABLE</u>	<u>INFORMATION</u>
IDTYPE	FRAMINGHAM HEART STUDY COHORT IDENTIFIER 0 = ORIGINAL COHORT 1 = OFFSPRING COHORT 2 = NEW OFFSPRING SPOUSE COHORT 3 = GENERATION 3 COHORT
ID	FRAMINGHAM HEART STUDY PARTICIPANT ID NUMBER **DELETED TO PRESERVE CONFIDENTIALITY, USE RANDOM ID (PID)
PID	RANDOM ID **RANDOM ID REPLACES FRAMINGHAM ID TO PRESERVE CONFIDENTIALITY
EVENT	EVENT NUMBER ON SEQUENCE OF EVENTS 1-49 (SEE CODE DEFINITIONS ON PAGES 3 & 4)
DATE	DATE OF EVENT (A SAS DATE VARIABLE) WHEN EXACT DATE IS UNAVAILABLE, AN APPROXIMATE DATE *OR* A MIDPOINT DATE BETWEEN TWO EXAMS, TWO MEDICAL ENCOUNTERS OR EXAM AND MEDICAL MAY BE USED. **MODIFIED TO NUMBER OF DAYS SINCE EXAM 1 TO PRESERVE CONFIDENTIALITY

NUMBER OF EVENTS AND INDIVIDUALS IN EACH COHORT GROUP:

ORIGINAL COHORT	EVENTS = 12,426	INDIVIDUALS = 4997
OFFSPRING COHORT	EVENTS = 3,731	INDIVIDUALS = 1823
NEW OFFSPRING SPOUSE COHORT	EVENTS = 36	INDIVIDUALS = 22
GENERATION 3 COHORT	EVENTS = 125	INDIVIDUALS = 94
TOTAL	EVENTS = 16,318	INDIVIDUALS = 6936

EVENT NUMBER ON SEQUENCE OF EVENTS

01-09 CHD

- 01 MI RECOGNIZED, WITH DIAGNOSTIC ECG
- 02 MI RECOGNIZED, WITHOUT DIAGNOSTIC ECG, WITH ENZYMES AND HISTORY
- 03 MI RECOGNIZED, WITHOUT DIAGNOSTIC ECG, WITH AUTOPSY EVIDENCE, NEW EVENT (SEE ALSO CODE 09)
- 04 MI UNRECOGNIZED, SILENT
- 05 MI UNRECOGNIZED, NOT SILENT

NOTES: RECOGNIZED MEANS AT TIME OF MI OCCURRENCE, AN MI WAS KNOWN TO HAVE TAKEN PLACE.

UNRECOGNIZED MEANS MI WAS NOT KNOWN TO HAVE TAKEN PLACE UNTIL LATER.

SILENT MI MEANS AT TIME OF MI, THERE WERE NO SYMPTOMS SIMILAR TO MI SYMPTOMS.

NOT SILENT MEANS THAT SYMPTOMS WERE PRESENT.

UNRECOGNIZED MIS ARE DATED USING THE MIDPOINT BETWEEN THE DATES OF THE DIAGNOSTIC ECG'S.

HIERARCHY FOR CODING MI IS BASED ON STRONGEST EVIDENCE:
EVENT=01 > EVENT=02 > EVENT=03.

- 06 AP, FIRST EPISODE ONLY. IF DATE OF AP WAS UNAVAILABLE, AP IS DATED AS MIDPOINT OF INTERVAL BETWEEN MEDICAL ENCOUNTERS (FHS EXAMS, HOSPITALIZATIONS OR MD OFFICE VISITS). IF AP OCCURRED WITH MI OR CI, THEN USE SAME DATE AS MI OR CI.

BEFORE 1987, IF AP OCCURRED JUST BEFORE MI OR CI, THEN AP DATE WAS ASSIGNED 3 MONTHS BEFORE MI OR CI. IF AP OCCURRED JUST AFTER MI OR CI, THEN AP DATE WAS ASSIGNED 3 MONTHS AFTER MI OR CI.

BEGINNING IN 1987, IF APPROXIMATE OR EXACT DATE OF NEW ANGINA WAS AVAILABLE, THEN THAT DATE WAS ASSIGNED AS DATE OF AP.

- 07 CI, DEFINITE BY BOTH HISTORY AND ECG.

- 08 QUESTIONABLE MI AT EXAM 1, DATE SAME DATE AS EXAM 1 FOR ORIGINAL COHORT AND OFFSPRING COHORT. FOR THE OTHER COHORT GROUPS, A DATE OTHER THAN THE EXAM 1 DATE IS USED IF AVAILABLE. ANY QUESTIONABLE MI EPISODE AT EXAM 1: DEFINITE MI HISTORY WITHOUT ENZYMES OR AUTOPSY, OR POSSIBLE MI-ECG. DOES NOT INCLUDE QUESTIONABLE AP.

- 09 MI ACUTE AUTOPSY, NOT A NEW EVENT. THIS IS CODED WHEN THERE HAS BEEN A PREVIOUSLY CODED MI (1 OR 2) AND THAT MI SHOWS ON AUTOPSY.

EVENT NUMBER ON SEQUENCE OF EVENTS

10-19 CVA

10 DEFINITE CVA AT EXAM 1, BUT QUESTIONABLE TYPE.
11 ABI
12 TIA (ONLY THE 1ST TIA IS CODED)
13 CEREBRAL EMBOLISM
14 INTRACEREBRAL HEMORRHAGE
15 SUBARACHNOID HEMORRHAGE
16 OTHER CVA
19 QUESTIONABLE CVA AT EXAM 1, DATE OF EXAM 1
(UNLESS DATE AVAILABLE)

20-29 DEATH

20 DEATH, NOT REVIEWED
21 DEATH, CHD SUDDEN, WITHIN 1 HOUR
22 DEATH, CHD, 1-23 HOURS, NONSUDDEN
23 DEATH, CHD, 24-47 HOURS, NONSUDDEN
24 DEATH, CHD, 48 HOURS OR MORE, NONSUDDEN
25 DEATH, CVA
26 DEATH, OTHER CVD
27 DEATH, CANCER
28 DEATH, OTHER CAUSES
29 DEATH, CAUSE UNKNOWN

30-39 IC

30 IC, DATE MIDPOINT OF INTERVAL AS AP, ALSO
DATE ONLY FIRST EVENT
39 QUESTIONABLE IC AT EXAM 1, USE EXAM 1 DATE
FOR ORIGINAL COHORT AND OFFSPRING COHORT.
FOR THE OTHER COHORT GROUPS, A DATE
OTHER THAN THE EXAM 1 DATE IS USED IF AVAILABLE.

40-49 CHF

40 CHF NOT HOSPITALIZED, ON EXAM OR MD NOTES
(IF CHF FOUND ON FHS EXAM, USE FHS EXAM DATE)
41 CHF HOSPITALIZED
49 QUESTIONABLE CHF AT EXAM 1, USE EXAM 1 DATE FOR ORIGINAL
COHORT AND OFFSPRING COHORT.
FOR THE OTHER COHORT GROUPS, A DATE
OTHER THAN THE EXAM 1 DATE IS USED IF AVAILABLE.

ABBREVIATIONS

CHD	CORONARY HEART DISEASE
MI	MYOCARDIAL INFARCTION
ECG	ELECTROCARDIOGRAM
AP	ANGINA PECTORIS
CI	CORONARY INSUFFICIENCY
CVA	CEREBROVASCULAR ACCIDENT
ABI	ATHEROTHROMBOTIC INFARCTION
TIA	TRANSIENT ISCHEMIC ATTACK
CVD	CARDIOVASCULAR DISEASE
IC	INTERMITTANT CLAUDICATION
CHF	CONGESTIVE HEART FAILURE