

FRAMINGHAM HEART STUDY - CODING MANUAL

TITLE OF DATASET: SEQUENCE OF EVENTS (SOE)*

COHORT : ORIGINAL, OFFSPRING, NEW OFFSPRING SPOUSE, GENERATION 3, OMNI COHORT 1 AND OMNI COHORT 2

TIME INTERVAL ASSOCIATED WITH DATASET: EVENTS REVIEWED THROUGH 12/31/2010 **

DATASET NAME: vr_soe_2010_m_00628d

Cases are defined by variables: idtype, id, date, and event

RECORDS: 17,561

VARIABLES: 4

NOTE: This dataset was modified to include only events dated on or before 12/31/2007

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

VARIABLE

INFORMATION

IDTYPE COHORT IDENTIFIER (use together with ID)

- 0 = Original Cohort (Generation 1)
- 1 = Offspring Cohort (Generation 2)
- 2 = New Offspring Spouse Cohort (Generation 2)
- 3 = Generation 3 Cohort (Generation 3)
- 7 = Omni Cohort 1 (Omni Cohort 1)
- 72 = Omni Cohort 2 (Omni Cohort 2)

ID FRAMINGHAM HEART STUDY ID NUMBER (use together with IDTYPE)
Deleted to preserve confidentiality, use random id (PID)

PID RANDOM ID
Random id replaces Framingham ID to preserve confidentiality

EVENT EVENT NUMBER
1-49 (see code definitions on pages 2 & 3)

DATE DATE OF EVENT
Number of days since Exam 1

When exact date is unavailable, an approximate date *or* a midpoint date between two exams, two medical encounters or exam and medical encounter may be used.

* 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 dataset does not necessarily reflect the natural order of events.

** This dataset is generated annually. Included are events reviewed on or before 12/31/2010. Events reviewed after 12/31/2010 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 12/31/2010. The corresponding survival file contains follow up information and lags one year behind.

EVENT NUMBER

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, WITHAUTOPSY EVIDENCE, NEW EVENT (SEE ALSO CODE 09)
- 04 MI UNRECOGNIZED, SILENT
- 05 MI UNRECOGNIZED, NOT SILENT

NOTES on MI: 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 was unavailable, AP is dated as midpoint of the 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 on 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.

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)

EVENT NUMBER

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 cohorts, a date other than the Exam 1 date is used if available.

40-49 CHF

- 40 CHF NOT HOSPITALIZED , DIAGNOSED ON BASIS OF 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 cohorts, a date other than the Exam 1 date is used if available.

ABBREVIATIONS:

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| 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 | Intermittent Claudication |
| CHF | Congestive Heart Failure |