

FRAMINGHAM HEART STUDY CODING MANUAL

Cardiovascular Procedures

COHORT: Original, Offspring, Generation 3, New Offspring Spouse, Omni 1, Omni 2

TIME INTERVAL: Cases reviewed through 2010

DATASET NAME: vr_cvdproc_2013_a_0282d

OBSERVATIONS: 6736

Variables that define a unique record: PID, PROCNUM, PROCDATE, VOLNUM, PAGENUM, LINENUM.

This dataset is cumulative and replaces dataset vr_cvdproc_2012_m_0782.

Abbreviations:

CABG = Coronary Artery Bypass Graft

HVP = Heart Valve Procedure

PCTA = Percutaneous Transluminal Coronary Angioplasty

Each observation or record represents a cardiovascular procedure case. A participant can have multiple cardiovascular procedures (multiple records per IDTYPE, ID). There are also instances of an individual having the same procedure on the same day. Use the unique identifier variables listed above to separate out individual procedures on the same day. The order of events in the dataset does not necessarily reflect the natural order of events.

This dataset is a modified version of the original dataset. Some observations were deleted due to consent restrictions. This coding manual is based on the original dataset. Therefore the value ranges, number of observations and/or cohorts found in the modified dataset, may differ from those stated in this manual.

IDTYPE

Variable name: IDTYPE

Description: Framingham Heart Study cohort identifier

Code or Value	Description	Count
0	Original Cohort	1407
1	Offspring Cohort	4507
2	New Offspring Spouse Cohort	91
3	Generation 3 Cohort	465
7	Omni 1 Cohort	197
72	Omni 2 Cohort	69
.	Unknown	0

ID

Variable name: ID

Description: Framingham Heart Study participant identifier within a cohort

Note: IDTYPE and ID taken together form a unique study participant identification number.

ID deleted - use random ID (PID)

PID

Variable name: PID

Description: Random ID

PROCNUM**Variable name:** PROCNUM**Description:** Cardiovascular procedure codes

Code or Value	Description	Count
140	PCTA (Percutaneous transluminal coronary angioplasty)	868
141	CABG	594
142	Permanent pacemaker insertion	393
143	Heart valve procedure	183
144	Other cardiac surgery/ procedure	286
145	Carotid artery surgery	221
146	Aorta surgery	159
147	Femoral of lower extremity surgery	472
148	Surgical amputation	146
149	Cardiac catheterization	2562
150	Cerebral carotid vascular imaging	432
151	Aorta and renal vascular imaging	420
.	Unknown	0

PROCDATE**Variable name:** PROCDATE**Description:** Date of cardiovascular procedure**Units:** Number of days since Exam 1

Code or Value	Description	Count
-11348 — 23463	Range of values	6736
.	Unknown	0

Note: To determine if date was estimated see variable DATE_EST

Date include month day and year, however coding manual displays only month and year to preserve confidentiality

DATE_EST**Variable name:** DATE_EST**Description:** Was the date of the procedure estimated?

Code or Value	Description	Count
0	Test date not estimated	6725
1	Test date estimated	11
.	Unknown	0

Note: If date was estimated due to missing "month" part of date, then month was set to 6. If date was estimated due to missing "day" part of date, then day was set to 15.

VESSEL**Variable name:** VESSEL**Description:** Coronary Artery Bypass Graft (CABG) - Number of vessels bypassed

Code or Value	Description	Count
0	CABG Procedure not done	6142
1	One (1) vessel bypassed	50
2	Two (2) vessels bypassed	104
3	Three (3) vessels bypassed	216
4	Four (4) vessels bypassed	155
5	Five (5) vessels bypassed	55
6	Six (6) vessels bypassed	10
7	Seven (7) vessels bypassed	1
.	Unknown	3

AORTIC**Variable name:** AORTIC**Description:** Heart valve surgery type: Aortic

Code or Value	Description	Count
0	Aortic surgery not done	6601
1	Mechanical Replacement - Bjork, St. Jude's Starr Edwards, etc.	44
2	Bioprosthesis - pig, homograft, Carpentier-Edwards	77
3	Surgical commissurotomy	2
4	Surgical repair (not commissurotomy)	2
5	Percutaneous valvuloplasty	6
7	Other	4
.	Unknown	0

MITRAL**Variable name:** MITRAL**Description:** Heart valve surgery type: Mitral

Code or Value	Description	Count
0	Mitral surgery not done	6677
1	Mechanical Replacement - Bjork, St. Jude's Starr Edwards, etc.	13
2	Bioprosthesis - pig, homograft, Carpentier-Edwards	21
3	Surgical commissurotomy	1
4	Surgical repair (not commissurotomy)	20
5	Percutaneous valvuloplasty	4
7	Other	0
.	Unknown	0

PULMONIC**Variable name:** PULMONIC**Description:** Heart valve surgery type: Pulmonic

Code or Value	Description	Count
0	Pulmonic surgery not done	6736
1	Mechanical Replacement - Bjork, St. Jude's Starr Edwards, etc.	0
2	Bioprosthesis - pig, homograft, Carpentier-Edwards	0
3	Surgical commissurotomy	0
4	Surgical repair (not commissurotomy)	0
5	Percutaneous valvuloplasty	0
7	Other	0
.	Unknown	0

TRICUSPID**Variable name:** TRICUSPID**Description:** Heart valve surgery type: Tricuspid

Code or Value	Description	Count
0	Tricuspid surgery not done.	6727
1	Mechanical Replacement - Bjork, St. Jude's Starr Edwards, etc.	2
2	Bioprosthesis - pig, homograft, Carpentier-Edwards	1
3	Surgical commissurotomy	0
4	Surgical repair (not commissurotomy)	4
5	Percutaneous valvuloplasty	0
7	Other	2
.	Unknown	0

REVDATE**Variable name:** REVDATE**Description:** Date procedure was reviewed

Code or Value	Description	Count
01/1978 — 12/2013	Range of values	6662
.	Unknown	74

Note: Date include month day and year, however coding manual displays only month and year to preserve confidentiality

REVDATE deleted - used for administrative purposes only

VOLNUM**Variable name:** VOLNUM**Description:** Administrative: Volume number of forms binder

Code or Value	Description	Count
0.1	Original Cohort Volume 1	1040
0.2	Original Cohort Volume 2	367
1.1	Offspring Cohort Volume 1	2487
1.2	Offspring Cohort Volume 2	1630
1.3	Offspring Cohort Volume 3	390
2.1	New Offspring Spouse Cohort Volume 1	91
3.1	Gen3 Cohort Volume 1	465
7.1	Omni 1 Cohort Volume 1	197
72.1	Omni 2 Cohort Volume 1	69
.	Unknown	0

Note: Character variable

PAGENUM**Variable name:** PAGENUM**Description:** Administrative: Page number of forms binder

Code or Value	Description	Count
1 — 108	Range of values	6736
.	Unknown	0

LINENUM**Variable name:** LINENUM**Description:** Administrative: Line number of the form

Code or Value	Description	Count
1 — 11	Range of values	6736
.	Unknown	0