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|                     |                                     |                      |      |
|---------------------|-------------------------------------|----------------------|------|
| Data Set Name       | WORK.TRLARCHIVE2005                 | Observations         | 302  |
| Member Type         | DATA                                | Variables            | 858  |
| Engine              | V9                                  | Indexes              | 0    |
| Created             | Friday, August 23, 2013 12:28:49 PM | Observation Length   | 8048 |
| Last Modified       | Friday, August 23, 2013 12:28:49 PM | Deleted Observations | 0    |
| Protection          |                                     | Compressed           | NO   |
| Data Set Type       |                                     | Sorted               | NO   |
| Label               |                                     |                      |      |
| Data Representation | WINDOWS_64                          |                      |      |
| Encoding            | wlatin1 Western (Windows)           |                      |      |

## Engine/Host Dependent Information

|                            |                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------|
| Data Set Page Size         | 16384                                                                                              |
| Number of Data Set Pages   | 158                                                                                                |
| First Data Page            | 8                                                                                                  |
| Max Obs per Page           | 2                                                                                                  |
| Obs in First Data Page     | 2                                                                                                  |
| Number of Data Set Repairs | 0                                                                                                  |
| Filename                   | C:\Users\lsleeper\AppData\Local\Temp\3\SAS Temporary Files\_TD10168_SAS-2\_trlarchive2005.sas7bdat |
| Release Created            | 9.0301M1                                                                                           |
| Host Created               | X64_ES08R2                                                                                         |

## Alphabetic List of Variables and Attributes

| # Variable   | Type | Len | Format   | Informat | Label                                                            |
|--------------|------|-----|----------|----------|------------------------------------------------------------------|
| 708 ABCIXIMB | Num  | 8   | 2.       | 2.       | ABCIXIMAB(REOPRO) DURING HOSP                                    |
| 407 ACE      | Num  | 8   | 2.       | 2.       | ACE INHIBITORS PRIOR TO HOSP                                     |
| 711 ACEINHIB | Num  | 8   | 2.       | 2.       | ACE INHIBITORS DURING HOSP                                       |
| 435 ACRENFL  | Num  | 8   | NY.      | 2.       | ACUTE RENAL FAILURE                                              |
| 326 ADD1SPEC | Char | 25  | 25.      | 25.      | FIRST SPECIFY, ADDITIVES: CARDIOPLEGIA/PROT                      |
| 327 ADD2SPEC | Char | 25  | 25.      | 25.      | SECOND SPECIFY, ADDITIVES: CARDIOPLEGIA/PROT                     |
| 328 ADD3SPEC | Char | 25  | 25.      | 25.      | THIRD SPECIFY, ADDITIVES: CARDIOPLEGIA/PROT                      |
| 325 ADDITIVS | Num  | 8   | NY.      | 2.       | ADDITIVES: CARDIOPLEGIA/PROT                                     |
| 4 ADMIT_AP   | Num  | 8   | 2.       | 2.       | SHOCK HOSP ADM AM/PM                                             |
| 80 ADMIT_D   | Char | 10  | 10.      | 10.      | SHOCK HOSP ADM DATE                                              |
| 3 ADMIT_T    | Char | 5   | 5.       | 5.       | SHOCK HOSP ADM TIME                                              |
| 5 ADM_TYPE   | Num  | 8   | ADMTYPE. | 2.       | TYPE OF ADMISSION                                                |
| 220 ALACSPEC | Char | 30  | 30.      | 30.      | ART LAC - UNITS, SPECIFY NEAR SHOCK                              |
| 219 ALACUNIT | Num  | 8   | 2.       | 2.       | ART LAC - UNITS NEAR SHOCL                                       |
| 460 ALLERGIC | Num  | 8   | NY.      | 2.       | ALLERGIC REACTION TO COR ANGIO/PTCA                              |
| 707 AMIODARN | Num  | 8   | 2.       | 2.       | AMIODARONE DURING HOSP                                           |
| 265 AMPM24MB | Num  | 8   | 2.       | 2.       | HIGHEST MB UNITS TIME                                            |
| 368 ANEURYS3 | Num  | 8   | NYS.     | 2.       | MITRAL VALVE SURGERY - ANEURYSMECTOMY                            |
| 358 ANEURYSM | Num  | 8   | NY.      | 2.       | ANEURYSMECTOMY                                                   |
| 445 ANGAFT24 | Num  | 8   | NY.      | 2.       | ANGINA > 24 HRS POST MI AT REST AND REFRAC DUE TO MED MANAGEMENT |
| 444 ANGINA   | Num  | 8   | NY.      | 2.       | ANY ANGINA                                                       |
| 404 ANGIOS   | Num  | 8   | 2.       | 2.       | NUMBER ANGIOGRAMS/ANGIOPLASTY FILMS                              |
| 478 ANGISPEC | Char | 25  | 25.      | 25.      | IMS - REASON FOR COR ANGIO, SPECIFY                              |
| 479 ANG_CABG | Num  | 8   | 2.       | 2.       | IMS - REASON PTCA AND/OR CABG NOT ATTEMPTED                      |
| 448 ANG_D    | Char | 10  | 10.      | 10.      | COR ANGIO DATE                                                   |
| 450 ANG_PM   | Num  | 8   | 2.       | 2.       | COR ANGIO AM/PM                                                  |
| 449 ANG_T    | Char | 5   | 5.       | 5.       | COR ANGIO TIME                                                   |
| 366 ANNULRIN | Num  | 8   | 2.       | 2.       | MITRAL VALVE SURGERY - REPAIR ANNULOPLASTY RING                  |
| 35 ANOXIC    | Num  | 8   | NY.      | 2.       | ANOXIC BRAIN DAMAGE                                              |
| 321 ANTEGRAD | Num  | 8   | NY.      | 2.       | ANTEGRADE DELIVERY                                               |
| 153 ANTERIOR | Num  | 8   | NY.      | 2.       | ANTERIOR LOCATION OF INDEX MI                                    |

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| #   | Variable | Type | Len | Format | Informat | Label                                                         |
|-----|----------|------|-----|--------|----------|---------------------------------------------------------------|
| 364 | ANTERRPR | Num  | 8   | NYS.   | 2.       | MITRAL VALVE SURGERY - REPAIR ANTERIOR                        |
| 422 | ANTIARRY | Num  | 8   | 2.     | 2.       | OTHER ANTI-ARRHYTHMICS DURING HOSP                            |
| 283 | ANT_ONST | Num  | 8   | NY.    | 2.       | ANTERIOR ST ELEV AT SHOCK ONSET                               |
| 28  | AORTIC   | Num  | 8   | NY.    | 2.       | AORTIC STENOSIS/SEVERE VALVULAR DISEASE                       |
| 157 | APICAL   | Num  | 8   | NY.    | 2.       | APICAL LOCATION OF INDEX MI                                   |
| 287 | API_ONST | Num  | 8   | NY.    | 2.       | APICAL ST ELEV AT SHOCK ONSET                                 |
| 169 | APSACA   | Num  | 8   | NY.    | 2.       | THROMBOLYTIC - APSAC                                          |
| 179 | APSACB   | Num  | 8   | 2.     | 2.       | THROMBOLYTIC 2 - APSAC                                        |
| 627 | ARFAILAP | Num  | 8   | 2.     | 2.       | ACUTE RENAL FAILURE AM/PM                                     |
| 625 | ARFAIL_D | Char | 10  | 10.    | 10.      | ACUTE RENAL FAILURE DATE                                      |
| 626 | ARFAIL_T | Char | 5   | 5.     | 5.       | ACUTE RENAL FAILURE TIME                                      |
| 461 | ARRHYTH  | Num  | 8   | NY.    | 2.       | ARRHYTHMIA DUE TO COR ANGIO/PTCA                              |
| 221 | ART_LACT | Num  | 8   | 4.1    | 4.1      | ARTERIAL LACTATE AT RAND                                      |
| 494 | ART_SPEC | Char | 25  | 25.    | 25.      | ART LAC - UNITS AT RAND                                       |
| 493 | ART_UNIT | Num  | 8   | 2.     | 2.       | ART LAC - UNITS, SPECIFY AT RAND                              |
| 412 | ASPIRIN  | Num  | 8   | 2.     | 2.       | ASPIRIN PRIOR TO HOSP                                         |
| 604 | ASPIRIND | Num  | 8   | 2.     | 2.       | ASPIRIN DURING HOSP                                           |
| 229 | ATTVES   | Num  | 8   | NY.    | 2.       | ALL PTCA ATTEMPTS FOR MULTIPLE LESIONS IN SAME VESSEL         |
| 388 | AVO2DIFF | Num  | 8   | 6.2    | 6.2      | (A-V)O2 DIFF AT RAND                                          |
| 353 | AVREPLAC | Num  | 8   | NY.    | 2.       | AORTIC VALVE REPLACEMENT                                      |
| 372 | AV_SURG  | Num  | 8   | NYS.   | 2.       | MITRAL VALVE SURGERY - AORTIC VALVE SURGERY                   |
| 218 | A_LACTAT | Num  | 8   | 4.1    | 4.1      | ARTERIAL LACTATE NEAR SHOCK                                   |
| 78  | B4RAND   | Num  | 8   | 2.     | 2.       | PT DIED AFTER CONSENT, BEFORE RAND                            |
| 141 | BALLN_AP | Num  | 8   | TIMEF. | 2.       | IABP INSERTION AM/PM                                          |
| 139 | BALLN_D  | Char | 10  | 10.    | 10.      | IABP INSERTION DATE                                           |
| 140 | BALLN_T  | Char | 5   | 5.     | 5.       | IABP INSERTION TIME                                           |
| 138 | BALLOON  | Num  | 8   | NY.    | 2.       | IABP                                                          |
| 418 | BBLOC    | Num  | 8   | 2.     | 2.       | BETA BLOCKERS DURING HOSP                                     |
| 192 | BEFRPTCA | Num  | 8   | NY.    | 2.       | PRIOR PTCA                                                    |
| 196 | BETABLCK | Num  | 8   | 2.     | 2.       | BETA BLOCKERS ADMIN BETWEEN INDEX MI ONSET AND CS ONSET       |
| 410 | BETABLOC | Num  | 8   | 2.     | 2.       | BETA BLOCKERS PRIOR TO HOSP                                   |
| 611 | BLD_SP   | Char | 30  | 30.    | 30.      | SPECIFY OTHER CAUSE OF BLEEDING                               |
| 455 | BLEED    | Num  | 8   | NY.    | 2.       | BLEEDING REQUIRING TRANSFUSION/SURGERY DUE TO COR ANGIO/PTCA  |
| 33  | BLOCK    | Num  | 8   | NY.    | 2.       | BETA BLOCKER/CALCIUM CHANNEL BLOCKADE                         |
| 324 | BLOOD    | Num  | 8   | NY.    | 2.       | BLOOD CARDIOPLEGIA/PROT                                       |
| 250 | BRGTHALF | Num  | 8   | NY.    | 2.       | BILATERAL RATES > HALFWAY UP                                  |
| 251 | BRLTHALF | Num  | 8   | NY.    | 2.       | BILATERAL RATES < HALFWAY UP                                  |
| 83  | BYPASS   | Num  | 8   | NY.    | 2.       | EMERGENCY BYPASS REQUIRED DIRECTLY FROM CATH LAB              |
| 318 | BYPASS_T | Char | 5   | 5.     | 5.       | TIME STARTED TOTAL VENTED BYPASS                              |
| 319 | BYPAS_AP | Num  | 8   | 2.     | 2.       | AM/PM STARTED TOTAL VENTED BYPASS                             |
| 147 | B_TRAN   | Num  | 8   | NY.    | 2.       | BLOOD TRANSFUSION                                             |
| 129 | CABG     | Num  | 8   | NY.    | 2.       | CABG ATTEMPTED                                                |
| 716 | CABGPERF | Num  | 8   | 2.     | 2.       | CABG PERFORMED (FORM 8A)                                      |
| 132 | CABG_AM  | Num  | 8   | TIMEF. | 2.       | CABG AM/PM                                                    |
| 130 | CABG_D   | Char | 10  | 10.    | 10.      | CABG DATE                                                     |
| 131 | CABG_T   | Char | 5   | 5.     | 5.       | CABG TIME                                                     |
| 197 | CALCBLCK | Num  | 8   | 2.     | 2.       | CA CHANNEL BLOCKERS ADMIN BETWEEN INDEX MI ONSET AND CS ONSET |
| 411 | CALCBLOC | Num  | 8   | 2.     | 2.       | CA CHANNEL BLOCKERS PRIOR TO HOSP                             |
| 419 | CALCCHAN | Num  | 8   | 2.     | 2.       | CA CHANNEL BLOCKERS DURING HOSP                               |
| 315 | CANDIO_T | Char | 5   | 5.     | 5.       | COR ANGIO COMPLETION TIME                                     |
| 316 | CAND_AP  | Num  | 8   | 2.     | 2.       | COR ANGIO COMPLETION AM/PM                                    |
| 225 | CANG2    | Num  | 8   | 2.     | 2.       | IN SHOCK AT TIME OF PTCA 2                                    |
| 224 | CANG1SHK | Num  | 8   | NY.    | 2.       | IN SHOCK AT TIME OF PTCA                                      |
| 314 | CANG_DT  | Char | 10  | 10.    | 10.      | COR ANGIO COMPLETION DATE                                     |
| 37  | CARDIAC  | Num  | 8   | NY.    | 2.       | SHOCK DUE TO CATH LAB COMPLICATION                            |
| 99  | CARDIDX  | Num  | 8   | 5.2    | 5.2      | CARDIAC INDEX NEAR SHOCK                                      |
| 330 | CARDMAIN | Num  | 8   | TEMP.  | 2.       | CARDIOPLEGIA MAINTENANCE                                      |

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| # Variable   | Type | Len | Format    | Informat | Label                                                               |
|--------------|------|-----|-----------|----------|---------------------------------------------------------------------|
| 331 CARDMMOD | Num  | 8   | CARDMMOD. | 2.       | CARDIOPLEGIA MAINTENANCE MODE                                       |
| 487 CARDOUT  | Num  | 8   | 5.2       | 5.2      | CO NEAR RAND                                                        |
| 563 CARDTRAN | Num  | 8   | 2.        | 2.       | CARDIAC TRANSPLANT PERFORMED                                        |
| 472 CARDTYPE | Num  | 8   | CARDTYPE. | 2.       | TYPE OF CARDIAC CAUSE OF DEATH                                      |
| 333 CARD_COM | Char | 50  | 50.       | 50.      | TEMP: CARDIOPLEGIA - COMMENTS                                       |
| 47 CARD_IDX  | Num  | 8   | 2.        | 2.       | CARDIAC INDEX <= 2.2                                                |
| 329 CARD_IND | Num  | 8   | TEMP.     | 2.       | CARDIOPLEGIA INDUCTION                                              |
| 216 CARD_OP  | Num  | 8   | 5.2       | 5.2      | CARDIAC OUTPUT NEAR SHOCK                                           |
| 320 CARD_USE | Num  | 8   | NY.       | 2.       | CARDIOPLEGIA USED                                                   |
| 452 CATH     | Num  | 8   | NY.       | 2.       | COMPLICATIONS DUE TO CATH/PTCA                                      |
| 69 CATHETER  | Num  | 8   | 2.        | 2.       | SWAN-GANZ CATHETER DONE (FORM 1)                                    |
| 555 CATH_E2  | Num  | 8   | 2.        | 2.       | SWAN-GANZ CATHETER IN PLACE AT LATE ECHO                            |
| 294 CAUSEHYP | Num  | 8   | NY.       | 2.       | DID RE-MI CAUSE HYPOTENSION                                         |
| 471 CAUSE_D  | Num  | 8   | CAUSE_D.  | 2.       | CAUSE OF DEATH                                                      |
| 473 CAUSPEC  | Char | 25  | 25.       | 25.      | CAUSE OF DEATH, SPECIFY                                             |
| 332 CFINALDS | Num  | 8   | TEMP.     | 2.       | CARDIOPLEGIA FINAL DOSE                                             |
| 48 CHECKED   | Num  | 8   | NY.       | 2.       | ALL ELIGIBILITY ITEMS WERE CHECKED                                  |
| 631 CHR_DIAL | Num  | 8   | 2.        | 2.       | NEWLY REQUIRED CHRONIC DIALYSIS                                     |
| 148 CHSTPAIN | Num  | 8   | NY.       | 2.       | CHEST PAIN OR EQUIV ISCHEMIC SYMPTOM                                |
| 241 CIRCASS  | Num  | 8   | NY.       | 2.       | LVAD USE                                                            |
| 346 CLAMPHRS | Num  | 8   | 2.        | 2.       | CARDIAC SURGERY - TOTAL CROSS CLAMP HOURS                           |
| 347 CLAMPMIN | Num  | 8   | 2.        | 2.       | CARDIAC SURGERY - TOTAL CROSS CLAMP MINUTES                         |
| 21 CLIN_EX   | Num  | 8   | NY.       | 2.       | CLINICAL EXCLUSION CRITERIA PRESENT                                 |
| 661 COMMENTS | Char | 75  | 75.       | 75.      | FORM 5 - OTHER COMMENTS WHICH FURTHER EXPLAIN PATIENTS CONDITION    |
| 63 COMP_D    | Char | 10  | 10.       | 10.      | COMPLETION DATE                                                     |
| 348 CONDUIT  | Num  | 8   | CONDUIT.  | 2.       | CONDUIT USED ON INFARCT-RELATED ARTERY                              |
| 349 CONDUITS | Char | 25  | 25.       | 25.      | SPECIFY CONDUIT USED ON INFARCT-RELATED ARTERY                      |
| 58 CONFIRM   | Char | 4   | 4.        | 4.       | RAND CONFIRMATION NUMBER                                            |
| 189 CONGEST  | Num  | 8   | NY.       | 2.       | HISTORY OF CHF                                                      |
| 49 CONSENT   | Num  | 8   | NY.       | 2.       | WRITTEN INFORMED CONSENT OBTAINED FROM PATIENT                      |
| 336 CORETEMP | Num  | 8   | 5.1       | 5.1      | SYSTEMIC HYPOTHERMIA - LOWEST CORE TEMP                             |
| 266 CPK_MB   | Num  | 8   | NY.       | 2.       | ALL CPKS AND MB ARE NEG, LDH>1.5X UPPER LIMIT AND LD1> LD2 FRACTION |
| 605 CPR      | Num  | 8   | NY.       | 2.       | CPR PRIOR TO RAND                                                   |
| 323 CRYSTALO | Num  | 8   | NY.       | 2.       | CRYSTALLOID CARDIOPLEGIA/PROT                                       |
| 456 CSEPSIS  | Num  | 8   | 2.        | 2.       | SEPSIS CATH LAB COMPLICATION                                        |
| 313 CSURG_D  | Char | 10  | 10.       | 10.      | CARDIAC SURGERY DATE                                                |
| 640 CTAMPON  | Num  | 8   | NY.       | 2.       | CARDIAC TAMPONADE                                                   |
| 643 CTAMP_AP | Num  | 8   | 2.        | 2.       | CARDIAC TAMPONADE AM/PM                                             |
| 641 CTAMP_D  | Char | 10  | 10.       | 10.      | CARDIAC TAMPONADE DATE                                              |
| 642 CTAMP_T  | Char | 5   | 5.        | 5.       | CARDIAC TAMPONADE TIME                                              |
| 718 CULP_VES | Num  | 8   | 2.        | 2.       | CULPRIT VESSEL - CATH LAB                                           |
| 621 CVA_AMPM | Num  | 8   | 2.        | 2.       | OTHER CVA AM/PM                                                     |
| 619 CVA_DATE | Char | 10  | 10.       | 10.      | OTHER CVA DATE                                                      |
| 620 CVA_TIME | Char | 5   | 5.        | 5.       | OTHER CVA TIME                                                      |
| 649 C_RBCS   | Num  | 8   | 2.        | 2.       | CATH LAB COMP - NUMBER OF RBC UNITS                                 |
| 146 DAYS     | Num  | 8   | 2.        | 2.       | DAYS ON VENTILATOR                                                  |
| 102 DBPRES   | Num  | 8   | 3.        | 3.       | DIASTOLIC BP NEAR SHOCK                                             |
| 93 DEAD_AM   | Num  | 8   | TIMEF.    | 2.       | DEATH AM/PM                                                         |
| 92 DEAD_T    | Char | 5   | 5.        | 5.       | DEATH TIME                                                          |
| 453 DEATH    | Num  | 8   | NY.       | 2.       | DEATH IN CATH LAB                                                   |
| 470 DEATH_DT | Char | 10  | 10.       | 10.      | DEATH DATE                                                          |
| 653 DEVICE1  | Char | 25  | 25.       | 25.      | OTHER INTERVENTIONAL DEVICE 1                                       |
| 655 DEVICE2  | Char | 25  | 25.       | 25.      | OTHER INTERVENTIONAL DEVICE 2                                       |
| 657 DEVICE3  | Char | 25  | 25.       | 25.      | OTHER INTERVENTIONAL DEVICE 3                                       |
| 659 DEVICE4  | Char | 25  | 25.       | 25.      | OTHER INTERVENTIONAL DEVICE 4                                       |
| 240 DEVIC_NM | Char | 30  | 30.       | 30.      | NAME OF CIRCULATORY DEVICE                                          |
| 188 DIAB     | Num  | 8   | NY.       | 2.       | HISTORY OF DIABETES                                                 |

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| # Variable   | Type | Len | Format | Informat | Label                                                    |
|--------------|------|-----|--------|----------|----------------------------------------------------------|
| 187 DIAB_TX  | Num  | 8   | NY.    | 2.       | ORAL HYPOGLYCEMICS OR INSULIN                            |
| 234 DIADIABP | Num  | 8   | 3.     | 3.       | DBP 10-30 MIN AFTER IABP ON 1:1                          |
| 704 DIAG_EKG | Num  | 8   | 2.     | 2.       | DIAGNOSTIC EKG CHANGES                                   |
| 232 DIAST_BP | Num  | 8   | 3.     | 3.       | DBP BEFORE IABP                                          |
| 715 DIA_OBST | Num  | 8   | 3.     | 3.       | LEFT MAIN DIAMETER % OBSTRUCTION                         |
| 82 DIED      | Num  | 8   | NY.    | 2.       | PATIENT DIED IN CATH LAB                                 |
| 55 DIFF12    | Num  | 8   | NY.    | 2.       | SHOCK TO POT. RAND <= 12 HR                              |
| 76 DIFF_RT   | Num  | 8   | 3.     | 3.       | SHOCK TO POT. RAND (HRS)                                 |
| 271 DIGOXIN  | Num  | 8   | NY.    | 2.       | DIGOXIN DURING HOSP                                      |
| 406 DIGOXIN5 | Num  | 8   | 2.     | 2.       | DIGOXIN PRIOR TO HOSP                                    |
| 29 DILATED   | Num  | 8   | NY.    | 2.       | DILATED CARDIOMYOPATHY                                   |
| 465 DISSECT  | Num  | 8   | NY.    | 2.       | AORTIC DISSECTION DUE TO COR ANGIO/PTCA                  |
| 339 DISTANAS | Num  | 8   | NY.    | 2.       | CARDIAC SURGERY - NUMBER OF DISTAL ANASTOMOSES           |
| 304 DIS_SC2  | Char | 25  | 25.    | 25.      | SPECIFY DISCHARGE CODE #2                                |
| 306 DIS_SC3  | Char | 25  | 25.    | 25.      | SPECIFY DISCHARGE CODE #3                                |
| 307 DIS_SC4  | Char | 25  | 25.    | 25.      | SPECIFY DISCHARGE CODE #4                                |
| 309 DIS_SC5  | Char | 25  | 25.    | 25.      | SPECIFY DISCHARGE CODE #5                                |
| 302 DIS_SPEC | Char | 25  | 25.    | 25.      | SPECIFY DISCHARGE CODE #1                                |
| 713 DIS_VESL | Num  | 8   | 2.     | 2.       | NUMBER OF DISEASED VESSELS                               |
| 409 DIURETIC | Num  | 8   | 2.     | 2.       | DIURETICS PRIOR TO HOSP                                  |
| 497 DOBUT    | Num  | 8   | 2.     | 2.       | DOBUTAMINE AT RAND                                       |
| 269 DOBUTAMI | Num  | 8   | NY.    | 2.       | DOBUTAMINE DURING HOSP                                   |
| 688 DOBUT_24 | Num  | 8   | 2.     | 2.       | DOBUTAMINE AT 24-HR HEMO                                 |
| 6 DOB_D      | Char | 10  | 10.    | 10.      | PATIENT DATE OF BIRTH                                    |
| 496 DOPAM    | Num  | 8   | 2.     | 2.       | DOPAMINE AT RAND                                         |
| 687 DOPA_24  | Num  | 8   | 2.     | 2.       | DOPAMINE AT 24-HR HEMO                                   |
| 712 DUR_ANGI | Num  | 8   | 2.     | 2.       | DURATION OF REFRACTORY ANGINA                            |
| 545 E1_DOBUT | Num  | 8   | 2.     | 2.       | DOBUTAMINE AT EARLY ECHO                                 |
| 544 E1_DOPA  | Num  | 8   | 2.     | 2.       | DOPAMINE AT EARLY ECHO                                   |
| 543 E1_IABP  | Num  | 8   | 2.     | 2.       | IABP ON AT EARLY ECHO                                    |
| 546 E1_MILR  | Num  | 8   | 2.     | 2.       | MILRINONE/AMRINONE AT EARLY ECHO                         |
| 547 E1_NOREP | Num  | 8   | 2.     | 2.       | NOREPINEPHRINE AT EARLY ECHO                             |
| 548 E1_VASOD | Num  | 8   | 2.     | 2.       | VASODILATOR AT EARLY ECHO                                |
| 554 E2DBP    | Num  | 8   | 3.     | 3.       | DBP AT LATE ECHO                                         |
| 553 E2SBP    | Num  | 8   | 3.     | 3.       | SBP AT LATE ECHO                                         |
| 559 E2_DOBUT | Num  | 8   | 2.     | 2.       | DOBUTAMINE AT LATE ECHO                                  |
| 558 E2_DOPA  | Num  | 8   | 2.     | 2.       | DOPAMINE AT LATE ECHO                                    |
| 557 E2_IABP  | Num  | 8   | 2.     | 2.       | IABP ON AT LATE ECHO                                     |
| 560 E2_MILR  | Num  | 8   | 2.     | 2.       | MILRINONE/AMRINONE AT LATE ECHO                          |
| 556 E2_MPCWP | Num  | 8   | 3.     | 3.       | MPCWP AT LATE ECHO                                       |
| 561 E2_NOREP | Num  | 8   | 2.     | 2.       | NOREPINEPHRINE AT LATE ECHO                              |
| 562 E2_VASOD | Num  | 8   | 2.     | 2.       | VASODILATOR AT LATE ECHO                                 |
| 462 EBYPASS  | Num  | 8   | NY.    | 2.       | CARDIOPULM BYPASS/LV ASSIST DEVICE DUE TO COR ANGIO/PTCA |
| 149 ECGLEADS | Num  | 8   | NY.    | 2.       | >= 2 ECG LEAD WITH ST ELEVATION                          |
| 536 ECHO1    | Num  | 8   | 2.     | 2.       | EARLY ECHO                                               |
| 549 ECHO2    | Num  | 8   | 2.     | 2.       | LATE ECHO                                                |
| 542 ECHO1DBP | Num  | 8   | 3.     | 3.       | DBP AT EARLY ECHO                                        |
| 541 ECHO1SBP | Num  | 8   | 3.     | 3.       | SBP AT EARLY ECHO                                        |
| 540 ECHO1_AP | Num  | 8   | 2.     | 2.       | EARLY ECHO AM/PM                                         |
| 538 ECHO1_DT | Char | 10  | 10.    | 10.      | EARLY ECHO DATE                                          |
| 539 ECHO1_T  | Char | 5   | 5.     | 5.       | EARLY ECHO TIME                                          |
| 552 ECHO2_DT | Char | 10  | 10.    | 10.      | LATE ECHO DATE                                           |
| 717 EJECFRAC | Num  | 8   | 2.     | 2.       | LEFT VENTRICULAR EJECTION FRACTION - CATH LAB            |
| 34 EKG       | Num  | 8   | NY.    | 2.       | NON-QUALIFYING EKG                                       |
| 299 ELE_LIPI | Num  | 8   | NY.    | 2.       | HISTORY OF ELEVATED LIPIDS                               |
| 56 ELIGIBLE  | Num  | 8   | 2.     | 2.       | ELIGIBILITY CONFIRMED                                    |
| 274 EPINEPHI | Num  | 8   | NY.    | 2.       | EPINEPHRINE DURING HOSP                                  |

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## Alphabetic List of Variables and Attributes

| # Variable     | Type | Len | Format    | Informat | Label                                                         |
|----------------|------|-----|-----------|----------|---------------------------------------------------------------|
| 474 ERVNPTCA   | Num  | 8   | ERVNPTCA. | 2.       | ERV PATIENTS - REASON NO PTCA/CABG WITHIN TIME WINDOW         |
| 41 EXTREM      | Num  | 8   | 2.        | 2.       | EVIDENCE OF COLD, DIAPHORETIC EXTREMITIES                     |
| 2 F1ADMITD     | Char | 10  | 10.       | 10.      | SHOCK HOSP ADMIT DATE                                         |
| 23 F1BLEED     | Num  | 8   | NY.       | 2.       | BLEEDING                                                      |
| 569 F1CATH_S   | Num  | 8   | 4.1       | 4.1      | FIRST COR ANGIO CATHETER SIZE                                 |
| 72 F1CHF       | Num  | 8   | 2.        | 2.       | ANTERIOR MI WITH CHEST X-RAY EVIDENCE OF PULM CONGEST         |
| 67 F1SBP       | Num  | 8   | 3.        | 3.       | LOWEST RECORDED SBP PRIOR TO RAND                             |
| 565 F1TYPEDY   | Num  | 8   | 2.        | 2.       | FILM 1 TYPE OF DYE FOR ANGIOGRAMS/ANGIOPLASTY                 |
| 566 F1TYPSPC   | Char | 25  | 25.       | 25.      | SPECIFY FILM 1 TYPE OF DYE FOR ANGIOGRAMS/ANGIOPLASTY         |
| 570 F2CATH_S   | Num  | 8   | 4.1       | 4.1      | SECOND COR ANGIO CATHETER SIZE                                |
| 567 F2TYPEDY   | Num  | 8   | 2.        | 2.       | FILM 2 TYPE OF DYE FOR ANGIOGRAMS/ANGIOPLASTY                 |
| 568 F2TYPSPC   | Char | 25  | 25.       | 25.      | SPECIFY FILM 2 TYPE OF DYE FOR ANGIOGRAMS/ANGIOPLASTY         |
| 571 F3CATHS    | Num  | 8   | 4.1       | 4.1      | THIRD COR ANGIO CATHETER SIZE                                 |
| 88 F4ADMITD    | Char | 10  | 10.       | 10.      | INITIAL ADM DATE                                              |
| 90 F4ADM_AP    | Num  | 8   | 2.        | 2.       | INITIAL ADM AM/PM                                             |
| 89 F4ADM_T     | Char | 5   | 5.        | 5.       | INITIAL ADM TIME                                              |
| 489 FICKUSED   | Num  | 8   | 2.        | 2.       | FICK CALCULATED CI INSTEAD OF THERMODILUTION CI AT RAND       |
| 217 FICK_CLC   | Num  | 8   | NY.       | 2.       | FICK CALCULATED CI INSTEAD OF THERMODILUTION CI NEAR SHOCK    |
| 172 FILLC42    | Num  | 8   | 2.        | 2.       | QUESTION ON FORM 4 C.4.2 FILL OUT (DATA MANAGER ONLY)         |
| 11 FORM_D      | Char | 10  | 10.       | 10.      | FORM COMPLETION DATE                                          |
| 62 FORM_V      | Char | 3   | 3.        | 3.       | FORM VERSION                                                  |
| 7 GENDER       | Num  | 8   | SEX.      | 2.       | GENDER                                                        |
| 427 GIBLEED    | Num  | 8   | NY.       | 2.       | GI BLEED                                                      |
| 426 GRBLEED    | Num  | 8   | NY.       | 2.       | GROIN/RETROPERITONEAL BLEED                                   |
| 57 GROUP       | Num  | 8   | G.        | 2.       | ERV/IMS                                                       |
| 428 GUBLEED    | Num  | 8   | NY.       | 2.       | GU BLEED                                                      |
| 668 H24_42C    | Num  | 8   | 3.        | 3.       | MEAN RIGHT ARTERIAL PRESSURE AT 24 HR HEMO                    |
| 669 H24_42D    | Num  | 8   | 3.        | 3.       | RIGHT VENTRICULAR SYSTOLIC PRESSURE AT 24 HR HEMO             |
| 670 H24_42E    | Num  | 8   | 3.        | 3.       | RIGHT VENTRICULAR DIASTOLIC PRESSURE AT 24 HR HEMO            |
| 671 H24_42F    | Num  | 8   | 3.        | 3.       | PULM ARTERIAL SYSTOLIC PRESSURE AT 24 HR HEMO                 |
| 672 H24_42G    | Num  | 8   | 3.        | 3.       | PULM ARTERIAL DIASTOLIC PRESSURE AT 24 HR HEMO                |
| 673 H24_42H1   | Num  | 8   | 3.        | 3.       | PCWP AT 24 HR HEMO                                            |
| 674 H24_42H2   | Num  | 8   | 2.        | 2.       | PAD INSTEAD OF PCWP AT 24 HR HEMO                             |
| 675 H24_42I    | Num  | 8   | 5.2       | 5.2      | CARDIAC OUTPUT AT 24 HR HEMO                                  |
| 676 H24_42J1   | Num  | 8   | 4.2       | 4.2      | CARDIAC OUTPUT AT 24 HR HEMO                                  |
| 677 H24_42J2   | Num  | 8   | 2.        | 2.       | FICK CALCULATED CI INSTEAD OF THERMODILUTION CI AT 24 HR HEMO |
| 678 H24_42K    | Num  | 8   | 3.        | 3.       | SYSTEMIC SBP AT 24 HR HEMO                                    |
| 679 H24_42L    | Num  | 8   | 3.        | 3.       | SYSTEMIC DBP AT 24 HR HEMO                                    |
| 680 H24_42M    | Num  | 8   | 3.        | 3.       | SYSTEMIC HEART RATE AT 24 HR HEMO                             |
| 681 H24_42N    | Num  | 8   | 7.2       | 7.2      | SVR AT 24 HR HEMO                                             |
| 682 H24_42O    | Num  | 8   | 5.2       | 5.2      | (A-V)O2 DIFF AT 24 HR HEMO                                    |
| 683 H24_42P    | Num  | 8   | 4.1       | 4.1      | ARTERIAL LACTATE AT 24 HR HEMO                                |
| 684 H24_42P1   | Num  | 8   | 2.        | 2.       | ART LAC - UNITS, SPECIFY AT 24 HR HEMO                        |
| 685 H24_42P2   | Char | 25  | 25.       | 25.      | ART LAC - UNITS AT 24 HR HEMO                                 |
| 667 H24_42PPM  | Num  | 8   | 2.        | 2.       | 24 HR HEMO AM/PM                                              |
| 665 H24_42DATE | Char | 10  | 10.       | 10.      | 24 HR HEMO DATE                                               |
| 666 H24_42TIME | Char | 5   | 5.        | 5.       | 24 HR HEMO TIME                                               |
| 506 HEMODYNA   | Num  | 8   | 2.        | 2.       | 6 HR HEMO DONE                                                |
| 662 HEMOD_24   | Num  | 8   | 2.        | 2.       | 24 HR HEMO DONE                                               |
| 31 HEMOR       | Num  | 8   | NY.       | 2.       | SEVERE HEMORRHAGE                                             |
| 609 HEMOR_AP   | Num  | 8   | 2.        | 2.       | SEVERE HEMORRHAGE AM/PM                                       |
| 607 HEMOR_D    | Char | 10  | 10.       | 10.      | SEVERE HEMORRHAGE DATE                                        |
| 608 HEMOR_T    | Char | 5   | 5.        | 5.       | SEVERE HEMORRHAGE TIME                                        |
| 507 HEMREASN   | Num  | 8   | 2.        | 2.       | REASON FOR NO 6 HR HEMO                                       |
| 432 HEMTRANS   | Num  | 8   | NY.       | 2.       | OTHER HEMORRHAGE REQUIRING TRANSFUSION                        |
| 511 HEM_42PPM  | Num  | 8   | 2.        | 2.       | 6 HR HEMO AM/PM                                               |
| 509 HEM_42DATE | Char | 10  | 10.       | 10.      | 6 HR HEMO DATE                                                |

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| # Variable      | Type | Len | Format | Informat | Label                                                        |
|-----------------|------|-----|--------|----------|--------------------------------------------------------------|
| 508 HEM_SPEC    | Char | 25  | 25.    | 25.      | SPECIFY REASON FOR NO 6 HR HEMO                              |
| 510 HEM_TIME    | Char | 5   | 5.     | 5.       | 6 HR HEMO TIME                                               |
| 610 HEM_UNTS    | Num  | 8   | 2.     | 2.       | UNITS OF RBC TRANSFUSION FOR SEVERE HEMORRHAGE               |
| 417 HEPARIN     | Num  | 8   | 2.     | 2.       | HEPARIN DURING HOSP                                          |
| 10 HISP         | Num  | 8   | NY.    | 2.       | HISPANIC                                                     |
| 186 HYPER       | Num  | 8   | NY.    | 2.       | HISTORY OF HYPERTENSION                                      |
| 528 H_ALUNIT    | Num  | 8   | 2.     | 2.       | ART LAC - UNITS, SPECIFY AT 6 HR HEMO                        |
| 527 H_ARTLAC    | Num  | 8   | 5.2    | 5.2      | ARTERIAL LACTATE AT 6 HR HEMO                                |
| 526 H_AVODIF    | Num  | 8   | 6.2    | 6.2      | (A-V)O2 DIFF AT 6 HR HEMO                                    |
| 519 H_CARDIC    | Num  | 8   | 4.1    | 4.1      | CARDIAC OUTPUT AT 6 HR HEMO                                  |
| 520 H_C_IDX     | Num  | 8   | 4.2    | 4.2      | CARDIAC OUTPUT AT 6 HR HEMO                                  |
| 523 H_DBP       | Num  | 8   | 3.     | 3.       | SYSTEMIC DBP AT 6 HR HEMO                                    |
| 532 H_DOBUT     | Num  | 8   | 2.     | 2.       | DOBUTAMINE AT 6 HR HEMO                                      |
| 531 H_DOPA      | Num  | 8   | 2.     | 2.       | DOPAMINE AT 6 HR HEMO                                        |
| 521 H_FICK      | Num  | 8   | 2.     | 2.       | FICK CALCULATED CI INSTEAD OF THERMODILUTION CI AT 6 HR HEMO |
| 524 H_HEART     | Num  | 8   | 3.     | 3.       | SYSTEMIC HEART RATE AT 6 HR HEMO                             |
| 530 H_IABP      | Num  | 8   | 2.     | 2.       | IABP ON AT 6 HR HEMO                                         |
| 533 H_MILRAM    | Num  | 8   | 2.     | 2.       | MILRINONE/AMRINONE AT 6 HR HEMO                              |
| 517 H_MPCWP     | Num  | 8   | 3.     | 3.       | PCWP AT 6 HR HEMO                                            |
| 512 H_MRAP      | Num  | 8   | 3.     | 3.       | MEAN RIGHT ARTERIAL PRESSURE AT 6 HR HEMO                    |
| 534 H_NOREP     | Num  | 8   | 2.     | 2.       | NOREPINEPHRINE AT 6 HR HEMO                                  |
| 518 H_PAD       | Num  | 8   | 2.     | 2.       | PAD INSTEAD OF PCWP AT 6 HR HEMO                             |
| 516 H_PADBP     | Num  | 8   | 3.     | 3.       | PULM ARTERIAL DIASTOLIC PRESSURE AT 6 HR HEMO                |
| 515 H_PASBP     | Num  | 8   | 3.     | 3.       | PULM ARTERIAL SYSTOLIC PRESSURE AT 6 HR HEMO                 |
| 514 H_RVDBP     | Num  | 8   | 3.     | 3.       | RIGHT VENTRICULAR DIASTOLIC PRESSURE AT 6 HR HEMO            |
| 513 H_RVSP      | Num  | 8   | 3.     | 3.       | RIGHT VENTRICULAR SYSTOLIC PRESSURE AT 6 HR HEMO             |
| 522 H_SBP       | Num  | 8   | 3.     | 3.       | SYSTEMIC SBP AT 6 HR HEMO                                    |
| 525 H_SVR       | Num  | 8   | 7.2    | 7.2      | SVR AT 6 HR HEMO                                             |
| 529 H_UNTSPC    | Char | 25  | 25.    | 25.      | ART LAC - UNITS AT 6 HR HEMO                                 |
| 535 H_VASOD     | Num  | 8   | 2.     | 2.       | VASODILATOR AT 6 HR HEMO                                     |
| 495 IABP        | Num  | 8   | 2.     | 2.       | IABP ON AT RAND                                              |
| 857 IABPINSITU_ | Num  | 8   | NY.    |          | IABP INSITU (F 5 B1)                                         |
| RND             |      |     |        |          |                                                              |
| 686 IABP_24     | Num  | 8   | 2.     | 2.       | IABP ON AT 24-HR HEMO                                        |
| 504 IAREASON    | Num  | 8   | 2.     | 2.       | REASON FOR IABP INSERTION                                    |
| 503 IA_BALLN    | Num  | 8   | 2.     | 2.       | IABP INSERTED                                                |
| 505 IA_SPEC     | Char | 25  | 25.    | 25.      | SPECIFY REASON FOR IABP INSERTION                            |
| 308 ICD9_DX4    | Num  | 8   | 6.2    | 6.2      | ICD-9 CODE #4                                                |
| 310 ICD9_DX5    | Num  | 8   | 6.2    | 6.2      | ICD-9 CODE #5                                                |
| 305 ICD9_9C     | Num  | 8   | 6.2    | 6.2      | ICD-9 CODE #2                                                |
| 311 ICD9_9C2    | Num  | 8   | 6.2    | 6.2      | ICD-9 CODE #3                                                |
| 303 ICD9_9COD   | Num  | 8   | 6.2    | 6.2      | ICD-9 CODE #1                                                |
| 1 ID            | Char | 7   | 7.     | 7.       | ID                                                           |
| 612 IHEMOR_D    | Char | 10  | 10.    | 10.      | INTRACRANIAL HEMORRHAGE DATE                                 |
| 613 IHEMOR_T    | Char | 5   | 5.     | 5.       | INTRACRANIAL HEMORRHAGE TIME                                 |
| 614 IHEM_AP     | Num  | 8   | 2.     | 2.       | INTRACRANIAL HEMORRHAGE                                      |
| 22 ILLNESS      | Num  | 8   | NY.    | 2.       | SEVERE SYSTEMIC ILLNESS                                      |
| 477 IMSANGIO    | Num  | 8   | 2.     | 2.       | IMS - REASON FOR COR ANGIO                                   |
| 476 IMSARM      | Num  | 8   | 2.     | 2.       | RAND TO IMS ARM                                              |
| 30 INABILTY     | Num  | 8   | NY.    | 2.       | NO VASCULAR ACCESS                                           |
| 158 INDEXMI     | Num  | 8   | ENZ.   | 2.       | #CPK READINGS                                                |
| 226 INFARCTR    | Num  | 8   | NY.    | 2.       | PTCA OF IRA ATTEMPTED                                        |
| 154 INFERIOR    | Num  | 8   | NY.    | 2.       | INFERIOR LOCATION OF INDEX MI                                |
| 284 INF_ONST    | Num  | 8   | NY.    | 2.       | INFERIOR ST ELEV AT SHOCK ONSET                              |
| 94 INIT         | Char | 25  | 25.    | 25.      | NAME OF PERSON COMPLETING FORM                               |
| 81 INITs        | Char | 25  | 25.    | 25.      | NAME OF PERSON COMPLETING FORM                               |
| 298 INI_HEMA    | Num  | 8   | 5.2    | 5.2      | INITIAL HEMATOCRIT                                           |

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| #   | Variable | Type | Len | Format   | Informat | Label                                                           |
|-----|----------|------|-----|----------|----------|-----------------------------------------------------------------|
| 45  | INTERVAL | Num  | 8   | 4.       | 4.       | TIME FROM PATIENT ID TO CATHETER                                |
| 431 | INTHEM   | Num  | 8   | NY.      | 2.       | INTRACRANIAL HEMORRHAGE                                         |
| 706 | INVJUDGE | Num  | 8   | 2.       | 2.       | MI CONFIRMED PER INVESTIGATOR                                   |
| 289 | ISCHEMIC | Num  | 8   | NY.      | 2.       | RE-ISCHEMIA (BETW INIT MI & SHOCK)                              |
| 291 | ISCH_EPI | Num  | 8   | NY.      | 2.       | DID ISCHEMIA CAUSE HYPOTENSION                                  |
| 415 | IVINOTRO | Num  | 8   | 2.       | 2.       | IV INOTROPIC (OTHER THAN DIGOXIN)                               |
| 413 | IVNITRO  | Num  | 8   | 2.       | 2.       | IV NITROGLYCERIN DURING HOSP                                    |
| 414 | IVVASO   | Num  | 8   | 2.       | 2.       | OTHER IV VASODILATORS DURING HOSP                               |
| 714 | JEOPARDY | Num  | 8   | 2.       | 2.       | JEOPARDY SCORE - CATH LAB                                       |
| 342 | LAD_BYP  | Num  | 8   | NY.      | 2.       | LAD BYPASSED                                                    |
| 156 | LATERAL  | Num  | 8   | NY.      | 2.       | LATERAL LOCATION OF INDEX MI                                    |
| 286 | LAT_ONST | Num  | 8   | NY.      | 2.       | LATERAL ST ELEV AT SHOCK ONSET                                  |
| 152 | LBBB     | Num  | 8   | NY.      | 2.       | NEW LBBB                                                        |
| 341 | LCF_BYP  | Num  | 8   | NY.      | 2.       | LCF BYPASSED                                                    |
| 352 | LEAFMUSC | Num  | 8   | NY.      | 2.       | PRESERVED LEAFLET CHORDAE/PAP MUSCLE                            |
| 107 | LH1SIZE  | Num  | 8   | 2.       | 2.       | LH CATH #1 SIZE                                                 |
| 106 | LH1_AM   | Num  | 8   | TIMEF.   | 2.       | LH CATH 1 AM/PM                                                 |
| 105 | LH1_T    | Char | 5   | 5.       | 5.       | LH CATH 1 TIME                                                  |
| 111 | LH2SIZE  | Num  | 8   | 2.       | 2.       | LH CATH #2 SIZE                                                 |
| 110 | LH2_AM   | Num  | 8   | 2.       | 2.       | LH CATH 2 AM/PM                                                 |
| 109 | LH2_T    | Char | 5   | 5.       | 5.       | LH CATH 2 TIME                                                  |
| 113 | LH3C_D   | Char | 8   | 8.       | 8.       | LH CATH #3 DATE                                                 |
| 115 | LH3SIZE  | Num  | 8   | 2.       | 2.       | LH CATH #3 SIZE                                                 |
| 116 | LH3_AM   | Num  | 8   | 2.       | 2.       | LH CATH 3 AM/PM                                                 |
| 114 | LH3_T    | Char | 5   | 5.       | 5.       | LH CATH 3 TIME                                                  |
| 104 | LHC1_D   | Char | 10  | 10.      | 10.      | LH CATH 1 DATE                                                  |
| 108 | LHC2_D   | Char | 10  | 10.      | 10.      | LH CATH 2 DATE                                                  |
| 112 | LHC3_D   | Char | 10  | 10.      | 10.      | LH CATH 3 DATE                                                  |
| 103 | LHCATH   | Num  | 8   | NY.      | 2.       | CORONARY ANGIOGRAPHY DURING HOSP                                |
| 420 | LIDO     | Num  | 8   | 2.       | 2.       | LIDOCAINE DURING HOSP                                           |
| 134 | LIMARTRY | Num  | 8   | NY.      | 2.       | LEFT INTERNAL MAMMARY ARTERY CONDUIT USED                       |
| 160 | LIMIT    | Num  | 8   | 3.       | 3.       | UPPER LIMIT OF LAB NORMAL VALUE FOR CPK                         |
| 245 | LVECEJC  | Num  | 8   | 2.       | 2.       | LVEF NEAR SHOCK                                                 |
| 247 | LVEC_DT  | Char | 10  | 10.      | 10.      | LVEF NEAR SHOCK DATE                                            |
| 356 | LVFWALL  | Num  | 8   | NY.      | 2.       | LV FREE WALL REPAIR                                             |
| 370 | LVRUPTUR | Num  | 8   | NYS.     | 2.       | MITRAL VALVE SURGERY - REPAIR LV RUPTURE                        |
| 223 | LV_DIAST | Num  | 8   | 3.       | 3.       | PTCA - LV DIASTOLIC PRESSURE                                    |
| 222 | LV_SYSTL | Num  | 8   | 3.       | 3.       | PTCA - LV SYSTOLIC PRESSURE                                     |
| 392 | M1EJFRAC | Num  | 8   | 3.       | 3.       | MUGA 1 EJECTION FRACTION                                        |
| 396 | M2EJFRAC | Num  | 8   | 3.       | 3.       | MUGA 2 EJECTION FRACTION                                        |
| 263 | MB_DATE  | Char | 10  | 10.      | 10.      | MB/CPK DATE                                                     |
| 264 | MB_TIME  | Char | 5   | 5.       | 5.       | MB/CPK TIME                                                     |
| 374 | MEASURE  | Num  | 8   | MEASURE. | 2.       | MITRAL VALVE SURGERY - METHOD OF OBTAINING MEASUREMENT          |
| 24  | MECHAN   | Num  | 8   | NY.      | 2.       | MECHANICAL COMPLICATION                                         |
| 451 | MECH_D   | Char | 10  | 10.      | 10.      | DATE OF FIRST ADVERSE EVENT OCCURRENCE                          |
| 25  | MECH_SPC | Num  | 8   | 2.       | 2.       | SPECIFY MECHANICAL COMPLICATION                                 |
| 502 | MED_SPEC | Char | 25  | 25.      | 25.      | SPECIFY OTHER MED AT RAND                                       |
| 42  | MENTAL   | Num  | 8   | 2.       | 2.       | MENTAL STATUS ABNORMAL, CONSISTENT WITH LOW CEREBRAL BLOOD FLOW |
| 582 | MI2      | Num  | 8   | 2.       | 2.       | SECOND MI                                                       |
| 593 | MI3      | Num  | 8   | 2.       | 2.       | THIRD MI                                                        |
| 575 | MI1SHOCK | Num  | 8   | 2.       | 2.       | MI 1 CAUSED SHOCK                                               |
| 581 | MI1THROM | Num  | 8   | 2.       | 2.       | THROMBOLYTIC DURING MI 1                                        |
| 574 | MI1_AMPM | Num  | 8   | 2.       | 2.       | MI 1 AM/PM                                                      |
| 576 | MI1_ANTR | Num  | 8   | 2.       | 2.       | MI 1 LOCATION - ANTERIOR                                        |
| 580 | MI1_APIC | Num  | 8   | 2.       | 2.       | MI 1 LOCATION - APICAL                                          |
| 572 | MI1_DATE | Char | 10  | 10.      | 10.      | MI 1 DATE                                                       |
| 577 | MI1_INFR | Num  | 8   | 2.       | 2.       | MI 1 LOCATION - INFERIOR                                        |

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|-----|----------|------|-----|--------|----------|---------------------------------------------------------------|
| 579 | MI1_LATR | Num  | 8   | 2.     | 2.       | MI 1 LOCATION - LATERAL                                       |
| 578 | MI1_POST | Num  | 8   | 2.     | 2.       | MI 1 LOCATION - POSTERIOR                                     |
| 573 | MI1_TIME | Char | 5   | 5.     | 5.       | MI 1 TIME                                                     |
| 586 | MI2SHOCK | Num  | 8   | 2.     | 2.       | MI 2 CAUSED SHOCK                                             |
| 592 | MI2THROM | Num  | 8   | 2.     | 2.       | THROMBOLYTIC DURING MI 2                                      |
| 585 | MI2_AMPM | Num  | 8   | 2.     | 2.       | MI 2 AM/PM                                                    |
| 587 | MI2_ANTR | Num  | 8   | 2.     | 2.       | MI 2 LOCATION - ANTERIOR                                      |
| 591 | MI2_APIC | Num  | 8   | 2.     | 2.       | MI 2 LOCATION - APICAL                                        |
| 583 | MI2_DATE | Char | 10  | 10.    | 10.      | MI 2 DATE                                                     |
| 588 | MI2_INFR | Num  | 8   | 2.     | 2.       | MI 2 LOCATION - INFERIOR                                      |
| 590 | MI2_LATR | Num  | 8   | 2.     | 2.       | MI 2 LOCATION - LATERAL                                       |
| 589 | MI2_POST | Num  | 8   | 2.     | 2.       | MI 2 LOCATION - POSTERIOR                                     |
| 584 | MI2_TIME | Char | 5   | 5.     | 5.       | MI 2 TIME                                                     |
| 597 | MI3SHOCK | Num  | 8   | 2.     | 2.       | MI 3 CAUSED SHOCK                                             |
| 603 | MI3THROM | Num  | 8   | 2.     | 2.       | THROMBOLYTIC DURING MI 3                                      |
| 596 | MI3_AMPM | Num  | 8   | 2.     | 2.       | MI 3 AM/PM                                                    |
| 598 | MI3_ANTR | Num  | 8   | 2.     | 2.       | MI 3 LOCATION - ANTERIOR                                      |
| 602 | MI3_APIC | Num  | 8   | 2.     | 2.       | MI 3 LOCATION - APICAL                                        |
| 594 | MI3_DATE | Char | 10  | 10.    | 10.      | MI 3 DATE                                                     |
| 599 | MI3_INFR | Num  | 8   | 2.     | 2.       | MI 3 LOCATION - INFERIOR                                      |
| 601 | MI3_LATR | Num  | 8   | 2.     | 2.       | MI 3 LOCATION - LATERAL                                       |
| 600 | MI3_POST | Num  | 8   | 2.     | 2.       | MI 3 LOCATION - POSTERIOR                                     |
| 595 | MI3_TIME | Char | 5   | 5.     | 5.       | MI 3 TIME                                                     |
| 689 | MILRI_24 | Num  | 8   | 2.     | 2.       | MILRINONE/AMRINONE AT 24-HR HEMO                              |
| 498 | MILR_AMR | Num  | 8   | 2.     | 2.       | MILRINONE/AMRINONE AT RAND                                    |
| 270 | MIL_AMRI | Num  | 8   | NY.    | 2.       | MILRINONE/AMRINONE DURING HOSP                                |
| 243 | MITRALVL | Num  | 8   | NY.    | 2.       | MITRAL VALVE SURGERY                                          |
| 360 | MITRAL_P | Num  | 8   | MPROC. | 2.       | MITRAL PROCEDURE                                              |
| 295 | MI_WEEK  | Num  | 8   | NY.    | 2.       | RECENT MI/REST ISCH SYMP IN PRIOR WK                          |
| 485 | PCWP     | Num  | 8   | 3.     | 3.       | PCWP NEAR RAND                                                |
| 382 | MRAP     | Num  | 8   | 3.     | 3.       | RAP NEAR RAND                                                 |
| 210 | MRATR_PR | Num  | 8   | 3.     | 3.       | MEAN RT ATRIAL PRESSURE NEAR SHOCK                            |
| 389 | MUGA1    | Num  | 8   | 2.     | 2.       | MUGA 1 PERFORMED                                              |
| 393 | MUGA2    | Num  | 8   | 2.     | 2.       | MUGA 2 PERFORMED                                              |
| 391 | MUGA1_D  | Char | 10  | 10.    | 10.      | MUGA 1 DATE PERFORMED                                         |
| 390 | MUGA1_SP | Char | 25  | 25.    | 25.      | REASON MUGA 1 NOT DONE                                        |
| 395 | MUGA2_D  | Char | 10  | 10.    | 10.      | MUGA 2 DATE PERFORMED                                         |
| 394 | MUGA2_SP | Char | 25  | 25.    | 25.      | REASON MUGA 2 NOT DONE                                        |
| 228 | MULTIVES | Num  | 8   | NY.    | 2.       | MULTI-VESSEL PTCA (IN SAME CATH LAB)                          |
| 351 | MVREPLAC | Num  | 8   | NY.    | 2.       | MV REPLACEMENT OR REPAIR                                      |
| 354 | MYOCREPR | Num  | 8   | NY.    | 2.       | MYOCARDIAL RUPTURE REPAIR                                     |
| 446 | NEWMR    | Num  | 8   | NY.    | 2.       | NEW MECHANICAL COMPLICATION - MR                              |
| 447 | NEWVSD   | Num  | 8   | NY.    | 2.       | NEW MECHANICAL COMPLICATION - VSD                             |
| 647 | NEW_MECH | Num  | 8   | NY.    | 2.       | NEW MECHANICAL COMPLICATION                                   |
| 405 | NITRATES | Num  | 8   | 2.     | 2.       | NITRATES PRIOR TO HOSP                                        |
| 664 | NO24OTH  | Char | 25  | 25.    | 25.      | SPECIFY REASON FOR NO 24 HR HEMO                              |
| 551 | NOE2SPEC | Char | 25  | 25.    | 25.      | SPECIFY REASON FOR NO LATE ECHO                               |
| 480 | NOINDICA | Num  | 8   | 2.     | 2.       | IMS - REASON NOT INDICATED FOR PTCA AND/OR CABG NOT ATTEMPTED |
| 481 | NOIND_SP | Char | 30  | 30.    | 30.      | IMS - SPECIFY REASON PTCA AND/OR CABG NOT ATTEMPTED           |
| 184 | NOPTCA   | Num  | 8   | 2.     | 2.       | THROMBOLYTIC WITHOUT PTCA                                     |
| 499 | NOREP    | Num  | 8   | 2.     | 2.       | NOREPINEPHRINE AT RAND                                        |
| 273 | NOREPINE | Num  | 8   | NY.    | 2.       | NOREPINEPHRINE DURING HOSP                                    |
| 690 | NOREP_24 | Num  | 8   | 2.     | 2.       | NOREPINEPHRINE AT 24-HR HEMO                                  |
| 663 | NOSWAN24 | Num  | 8   | 2.     | 2.       | REASON FOR NO 24 HR HEMO                                      |
| 537 | NO_ECH01 | Char | 25  | 25.    | 25.      | REASON FOR NO EARLY ECHO                                      |
| 550 | NO_ECH02 | Num  | 8   | 2.     | 2.       | REASON FOR NO LATE ECHO                                       |
| 70  | NO_SC    | Num  | 8   | 2.     | 2.       | REASON FOR NO RH CATH                                         |

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## Alphabetic List of Variables and Attributes

| #   | Variable | Type | Len | Format | Informat | Label                                                              |
|-----|----------|------|-----|--------|----------|--------------------------------------------------------------------|
| 71  | NO_SC_SP | Char | 25  | 25.    | 25.      | OTHER REASON FOR NO RH CATH                                        |
| 692 | NUMANGIO | Num  | 8   | 2.     | 2.       | NUMBER ANGIOGRAMS PERFORMED                                        |
| 227 | NUMPTCA  | Num  | 8   | 2.     | 2.       | # LESIONS FOR PTCA ATTEMPTS                                        |
| 693 | NUMPTCAS | Num  | 8   | 2.     | 2.       | NUMBER PTCAS PERFORMED/ATTEMPTED                                   |
| 137 | NUMVEINS | Num  | 8   | 2.     | 2.       | SAPHENOUS VEINS CONDUIT USED, NUMBER OF VEINS                      |
| 290 | NUM_EPIS | Num  | 8   | 3.     | 3.       | #ISCHEMIC EPISODES                                                 |
| 293 | NUM_REMI | Num  | 8   | 3.     | 3.       | # RE-MI                                                            |
| 244 | NUM_UNIT | Num  | 8   | 2.     | 2.       | NUMBER OF UNITS OF RBC OR WHOLE BLOOD TRANSFUSION DURING HOSP      |
| 459 | OBSTR    | Num  | 8   | NY.    | 2.       | ARTERIAL/VENOUS OBSTRUCTION DUE TO COR ANGIO/PTCA                  |
| 636 | OCACT_SP | Char | 30  | 30.    | 30.      | SPECIFY ACTION FOR PERIPHERAL VASCULAR OCCLUSION                   |
| 458 | OCCLU    | Num  | 8   | NY.    | 2.       | ACCUTE OCCLUSION AT SITE OF PTCA                                   |
| 632 | OCCLUS_D | Char | 10  | 10.    | 10.      | PERIPHERAL VASCULAR OCCLUSION DATE                                 |
| 633 | OCCLUS_T | Char | 5   | 5.     | 5.       | PERIPHERAL VASCULAR OCCLUSION TIME                                 |
| 635 | OCCL_ACT | Num  | 8   | 2.     | 2.       | ACTION FOR PERIPHERAL VASCULAR OCCLUSION                           |
| 634 | OCC_AMPM | Num  | 8   | 2.     | 2.       | PERIPHERAL VASCULAR OCCLUSION AM/PM                                |
| 18  | ONSETC_A | Num  | 8   | TIMEF. | 2.       | ONSET OF CLINICALLY SUSPECT CS AM/PM                               |
| 16  | ONSETC_D | Char | 10  | 10.    | 10.      | ONSET OF CLINICALLY SUSPECT CS DATE                                |
| 17  | ONSETC_T | Char | 5   | 5.     | 5.       | ONSET OF CLINICALLY SUSPECT CS TIME                                |
| 15  | ONSET_AP | Num  | 8   | TIMEF. | 2.       | ONSET OF INDEX MI AM/PM                                            |
| 13  | ONSET_D  | Char | 10  | 10.    | 10.      | ONSET OF INDEX MI DATE                                             |
| 14  | ONSET_T  | Char | 5   | 5.     | 5.       | ONSET OF INDEX MI TIME                                             |
| 84  | OSUR     | Num  | 8   | NY.    | 2.       | OTHER EMERGENCY SURGERY REQUIRED DUE TO CATH LAB COMP              |
| 85  | OSUR1_SP | Char | 25  | 25.    | 25.      | SPECIFY OTHER EMERGENCY SURGERY REQUIRED DUE TO CATH LAB COMP      |
| 86  | OSUR2_SP | Char | 25  | 25.    | 25.      | SPECIFY OTHER EMERGENCY SURGERY REQUIRED DUE TO CATH LAB COMP      |
| 652 | OTDEVICE | Num  | 8   | 2.     | 2.       | OTHER INTERVENTIONAL DEVICES                                       |
| 195 | OTDIS_SP | Char | 25  | 25.    | 25.      | SPECIFY OTHER INTERVENTIONAL DEVICES                               |
| 171 | OTHA_SP  | Char | 25  | 25.    | 25.      | SPECIFY OTHER THROMBOLYTIC 1                                       |
| 429 | OTHBLEED | Num  | 8   | NY.    | 2.       | OTHER CAUSE OF BLEEDING                                            |
| 181 | OTHB_SP  | Char | 25  | 25.    | 25.      | SPECIFY OTHER THROMBOLYTIC 2                                       |
| 66  | OTHCE_SP | Char | 45  | 45.    | 45.      | FORM 1 - SPECIFY OTHER COMPLICATION                                |
| 433 | OTHCVA   | Num  | 8   | NY.    | 2.       | OTHER CVA                                                          |
| 423 | OTHER    | Num  | 8   | 2.     | 2.       | OTHER MED TAKEN DURING HOSP                                        |
| 65  | OTHERCE  | Num  | 8   | NY.    | 2.       | OTHER CLINICAL EXCLUSION                                           |
| 194 | OTHERDIS | Num  | 8   | NY.    | 2.       | HISTORY OF OTHER LIFE-SHORTENING, NON-CARDIAC DISEASE              |
| 301 | OTHER_AC | Num  | 8   | 2.     | 2.       | DISCHARGE CODES OTHER THAN MI OR CS                                |
| 257 | OTHER_TY | Char | 15  | 15.    | 15.      | SPECIFY UNITS FOR UPPER LIMIT OF LAB NORM FOR MB(OUT OF TOTAL CPK) |
| 259 | OTHER_UN | Char | 15  | 15.    | 15.      | SPECIFY UNITS FOR MB                                               |
| 709 | OTHGPIIB | Num  | 8   | 2.     | 2.       | OTHER GPIIBIIIA ANTAGONIST TAKEN DURING HOSP                       |
| 710 | OTHGP_SP | Char | 45  | 45.    | 45.      | SPECIFY OTHER GPIIBIIIA ANTAGONIST TAKEN DURING HOSP               |
| 397 | OTHPROC  | Num  | 8   | 2.     | 2.       | OTHER SURGICAL PROCEDURES DURING HOSP                              |
| 441 | OTHPVOC  | Num  | 8   | NY.    | 2.       | OTHER PERIPHERAL VASCULAR OCCLUSION                                |
| 170 | OTHThERA | Num  | 8   | NY.    | 2.       | OTHER THROMBOLYTIC 1                                               |
| 180 | OTHThERB | Num  | 8   | 2.     | 2.       | OTHER THROMBOLYTIC 2                                               |
| 408 | OTHVASO  | Num  | 8   | 2.     | 2.       | OTHER VASODILATORS PRIOR TO HOSP                                   |
| 501 | OTH_MED  | Num  | 8   | 2.     | 2.       | OTHER MED AT RAND                                                  |
| 430 | OTH_SP   | Char | 30  | 30.    | 30.      | SPECIFY OTHER THROMBOLYTIC                                         |
| 262 | OTH_TYVA | Char | 15  | 15.    | 15.      | SPECIFY UNITS FOR UPPER LIMIT OF LAB NORM FOR MB                   |
| 424 | OTMED_SP | Char | 45  | 45.    | 45.      | SPECIFY OTHER MED TAKEN DURING HOSP                                |
| 215 | PADAB    | Num  | 8   | NY.    | 2.       | PAD INSTEAD OF PCWP NEAR SHOCK                                     |
| 386 | PADBP    | Num  | 8   | 3.     | 3.       | PULM ARTERIAL DIASTOLIC PRESSURE AT RAND                           |
| 486 | PAD_USED | Num  | 8   | 2.     | 2.       | PAD INSTEAD OF PCWP AT RAND                                        |
| 385 | PASBP    | Num  | 8   | 3.     | 3.       | PULM ARTERIAL SYSTOLIC PRESSURE AT RAND                            |
| 161 | PEAKMBPC | Num  | 8   | 4.1    | 4.1      | PEAK CPK-MB % or INDEX                                             |
| 162 | PEAKMBUN | Num  | 8   | 8.1    | 8.1      | PEAK CPK-MB UNITS                                                  |
| 159 | PEAKTOT  | Num  | 8   | 5.     | 5.       | PEAK TOTAL CPK                                                     |
| 87  | PERCOMP  | Char | 25  | 25.    | 25.      | PERSON COMPLETING FORM 2                                           |
| 457 | PERFOR   | Num  | 8   | NY.    | 2.       | PERFORATION OF COR ARTERY DUE TO COR ANGIO/PTCA                    |

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| # Variable   | Type | Len | Format | Informat | Label                                                                         |
|--------------|------|-----|--------|----------|-------------------------------------------------------------------------------|
| 300 PER_VAS  | Num  | 8   | NY.    | 2.       | HISTORY OF PVD                                                                |
| 365 POSTERIO | Num  | 8   | NYS.   | 2.       | MITRAL VALVE SURGERY - REPAIR POSTERIOR                                       |
| 183 POSTPTCA | Num  | 8   | 2.     | 2.       | THROMBOLYTIC AFTER PTCA                                                       |
| 155 POSTRIOR | Num  | 8   | NY.    | 2.       | POSTERIOR LOCATION OF INDEX MI                                                |
| 705 POS_ENZY | Num  | 8   | 2.     | 2.       | POSITIVE CARDIAC ENZYMES                                                      |
| 285 POS_ONST | Num  | 8   | NY.    | 2.       | POSTERIOR ST ELEV AT SHOCK ONSET                                              |
| 191 PRECABG  | Num  | 8   | NY.    | 2.       | PRIOR CABG                                                                    |
| 373 PREOPLV  | Num  | 8   | 2.     | 2.       | MITRAL VALVE SURGERY - PRE-OPERATIVE LVEF                                     |
| 375 PREOPRV  | Num  | 8   | 2.     | 2.       | MITRAL VALVE SURGERY - PRE-OPERATIVE RV FUNCTION - EF                         |
| 182 PREPTCA  | Num  | 8   | 2.     | 2.       | PRIOR PTCA                                                                    |
| 363 PRESERVE | Num  | 8   | NYS.   | 2.       | PRESERVATION OF LEAFLETS/CHORDAE/PAPILLARY MUSCLE - MITRAL VALVE SURGERY      |
| 185 PRIORMI  | Num  | 8   | NY.    | 2.       | PRIOR MI                                                                      |
| 398 PROC1    | Char | 25  | 25.    | 25.      | OTHER SURGICAL PROCEDURE 1, SPECIFY                                           |
| 400 PROC2    | Char | 25  | 25.    | 25.      | OTHER SURGICAL PROCEDURE 2, SPECIFY                                           |
| 402 PROC3    | Char | 25  | 25.    | 25.      | OTHER SURGICAL PROCEDURE 3, SPECIFY                                           |
| 399 PROC1_D  | Char | 10  | 10.    | 10.      | OTHER SURGICAL PROCEDURE 1, DATE                                              |
| 401 PROC2_D  | Char | 10  | 10.    | 10.      | OTHER SURGICAL PROCEDURE 2, DATE                                              |
| 403 PROC3_D  | Char | 10  | 10.    | 10.      | OTHER SURGICAL PROCEDURE 3, DATE                                              |
| 421 PROCAIN  | Num  | 8   | 2.     | 2.       | PROCAINIMIDE DURING HOSP                                                      |
| 151 PSTQWVE  | Num  | 8   | NY.    | 2.       | ACUTE POST MI/POST Q-WAVES, ST ELEV                                           |
| 117 PTCA     | Num  | 8   | NY.    | 2.       | PTCA ATTEMPTED                                                                |
| 127 PTCA2    | Num  | 8   | 2.     | 2.       | PTCA 2 ATTEMPTED                                                              |
| 230 PTCA3    | Num  | 8   | 2.     | 2.       | PTCA 3 ATTEMPTED                                                              |
| 695 PTCA1B_1 | Num  | 8   | 4.1    | 4.1      | PTCA 1 BALLOON SIZE, 1ST                                                      |
| 696 PTCA1B_2 | Num  | 8   | 4.1    | 4.1      | PTCA 1 BALLOON SIZE, 2ND                                                      |
| 694 PTCA1GUI | Num  | 8   | 4.1    | 4.1      | PTCA 1 GUIDING CATHETER SIZE                                                  |
| 120 PTCA1_AM | Num  | 8   | TIMEF. | 2.       | PTCA AM/PM                                                                    |
| 118 PTCA1_D  | Char | 10  | 10.    | 10.      | PTCA DATE                                                                     |
| 119 PTCA1_T  | Char | 5   | 5.     | 5.       | PTCA TIME                                                                     |
| 698 PTCA2B_1 | Num  | 8   | 4.1    | 4.1      | PTCA 2 BALLOON SIZE, 1ST                                                      |
| 699 PTCA2B_2 | Num  | 8   | 4.1    | 4.1      | PTCA 2 BALLOON SIZE, 2ND                                                      |
| 697 PTCA2GUI | Num  | 8   | 4.1    | 4.1      | PTCA 2 GUIDING CATHETER SIZE                                                  |
| 123 PTCA2_AM | Num  | 8   | TIMEF. | 2.       | PTCA 2 AM/PM                                                                  |
| 121 PTCA2_D  | Char | 10  | 10.    | 10.      | PTCA 2 DATE                                                                   |
| 122 PTCA2_T  | Char | 5   | 5.     | 5.       | PTCA 2 TIME                                                                   |
| 701 PTCA3B_1 | Num  | 8   | 4.1    | 4.1      | PTCA 3 BALLOON SIZE, 1ST                                                      |
| 702 PTCA3B_2 | Num  | 8   | 4.1    | 4.1      | PTCA 3 BALLOON SIZE, 2ND                                                      |
| 700 PTCA3GUI | Num  | 8   | 4.1    | 4.1      | PTCA 3 GUIDING CATHETER SIZE                                                  |
| 126 PTCA3_AM | Num  | 8   | 2.     | 2.       | PTCA 3 AM/PM                                                                  |
| 124 PTCA3_D  | Char | 10  | 10.    | 10.      | PTCA 3 DATE                                                                   |
| 125 PTCA3_T  | Char | 5   | 5.     | 5.       | PTCA 3 TIME                                                                   |
| 36 PTCABG    | Num  | 8   | NY.    | 2.       | UNSUITABLE CORONARY ANATOMY                                                   |
| 344 PTIMEHRS | Num  | 8   | 2.     | 2.       | CARDIAC SURGERY - TOTAL PERFUSION TIME HOURS                                  |
| 345 PTIMEMIN | Num  | 8   | 2.     | 2.       | CARDIAC SURGERY - TOTAL PERFUSION TIME MINUTES                                |
| 214 PULDIABP | Num  | 8   | 3.     | 3.       | PA DBP NEAR SHOCK                                                             |
| 248 PULEDEMA | Num  | 8   | NY.    | 2.       | PULMONARY EDEMA ON PHYSICAL EXAM                                              |
| 249 PULEDXR  | Num  | 8   | NY.    | 2.       | PULMONARY EDEMA ON XRAY                                                       |
| 98 PULPRES   | Num  | 8   | 3.     | 3.       | PCWP NEAR SHOCK                                                               |
| 213 PULSYSBP | Num  | 8   | 3.     | 3.       | PA SBP NEAR SHOCK                                                             |
| 438 PV1SPEC  | Num  | 8   | 2.     | 2.       | SPECIFY ACTION 1 FOR PERIPHERAL VASCULAR OCCLUSION                            |
| 440 PV2SPEC  | Num  | 8   | 2.     | 2.       | SPECIFY ACTION 2 FOR PERIPHERAL VASCULAR OCCLUSION                            |
| 651 PVOCACTS | Char | 25  | 25.    | 25.      | SPECIFY ACTION FOR PERIPHERAL VASCULAR OCCLUSION/COMPLICATION DUE TO CATH LAB |
| 437 PVOCCLU  | Num  | 8   | NY.    | 2.       | PERIPHERAL VASCULAR OCCLUSION DUE TO COR ANGIO/PTCA                           |
| 439 PVOCIABP | Num  | 8   | NY.    | 2.       | PERIPHERAL VASCULAR OCCLUSION                                                 |
| 442 PVOCSITE | Char | 25  | 25.    | 25.      | SITE OF OTHER PERIPHERAL VASCULAR OCCLUSION                                   |
| 650 PVOC_ACT | Num  | 8   | 2.     | 2.       | ACTION FOR PERIPHERAL VASCULAR OCCLUSION/COMPLICATION DUE TO CATH LAB         |

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| # Variable   | Type | Len | Format    | Informat | Label                                                          |
|--------------|------|-----|-----------|----------|----------------------------------------------------------------|
| 639 PVOC_AP  | Num  | 8   | 2.        | 2.       | OTHER PERIPHERAL VASCULAR OCCLUSION AM/PM                      |
| 637 PVOC_D   | Char | 10  | 10.       | 10.      | OTHER PERIPHERAL VASCULAR OCCLUSION DATE                       |
| 638 PVOC_T   | Char | 5   | 5.        | 5.       | OTHER PERIPHERAL VASCULAR OCCLUSION TIME                       |
| 343 P_ANASTS | Num  | 8   | PANASTS.  | 2.       | PROXIMAL ANASTOMOSES                                           |
| 376 QUALASST | Num  | 8   | QUALASST. | 2.       | MITRAL VALVE SURGERY - CARDIAC FUNCTION QUALITATIVE ASSESSMENT |
| 150 QWAVES   | Num  | 8   | NY.       | 2.       | NEW Q-WAVES IN >= 2LEADS                                       |
| 8 RACE       | Num  | 8   | RACE.     | 2.       | PATIENTS RACE                                                  |
| 9 RACESPEC   | Char | 25  | 25.       | 25.      | SPECIFY PATIENTS RACE                                          |
| 53 RANDOM_A  | Num  | 8   | TIMEF.    | 2.       | RANDOMIZATION AM/PM                                            |
| 51 RANDOM_D  | Char | 10  | 10.       | 10.      | RANDOMIZATINO DATE                                             |
| 52 RANDOM_T  | Char | 5   | 5.        | 5.       | RANDOMIZATION TIME                                             |
| 646 RANG1_AP | Num  | 8   | 2.        | 2.       | REFRACTORY ANGINA AM/PM                                        |
| 644 RANG1_D  | Char | 10  | 10.       | 10.      | REFRACTORY ANGINA DATE                                         |
| 645 RANG_T   | Char | 5   | 5.        | 5.       | REFRACTORY ANGINA TIME                                         |
| 100 RATE     | Num  | 8   | 3.        | 3.       | HEART RATE NEAR SHOCK                                          |
| 68 RATE60    | Num  | 8   | 2.        | 2.       | HEART RATE >= 60                                               |
| 43 RATE80    | Num  | 8   | 2.        | 2.       | HEART RATE >= 80                                               |
| 97 RCATH_AM  | Num  | 8   | TIMEF.    | 2.       | HEMO NEAR SHOCK AM/PM                                          |
| 95 RCATH_D   | Char | 10  | 10.       | 10.      | HEMO NEAR SHOCK DATE                                           |
| 96 RCATH_T   | Char | 5   | 5.        | 5.       | HEMO NEAR SHOCK TIME                                           |
| 340 RCA_BYP  | Num  | 8   | NY.       | 2.       | RCA BYPASSED                                                   |
| 54 RDIFF     | Num  | 8   | 3.        | 3.       | DIFF IN POTENTIAL DATE OF RAND AND ONSET OF CS                 |
| 50 REASON    | Num  | 8   | 2.        | 2.       | REASON CONSENT NOT OBTAINED                                    |
| 77 REASONSP  | Char | 25  | 25.       | 25.      | PATIENT EXPIRED BEFORE RAND                                    |
| 482 RECORD_D | Char | 10  | 10.       | 10.      | HEMO AT RAND DATE                                              |
| 483 RECORD_T | Char | 5   | 5.        | 5.       | HEMO AT RAND TIME                                              |
| 484 REC_AMPM | Num  | 8   | 2.        | 2.       | HEMO AT RAND AM/PM                                             |
| 288 REC_MI   | Num  | 8   | NY.       | 2.       | ST ELEVATION WITH A RE-MI DURING HOSP                          |
| 443 REFSHOCK | Num  | 8   | NY.       | 2.       | REFRACTORY SHOCK                                               |
| 190 RENAL    | Num  | 8   | NY.       | 2.       | HISTORY OF RENAL INSUFFICIENCY                                 |
| 436 RENFLDC  | Num  | 8   | NY.       | 2.       | RENAL FAILURE ON DISCHARGE                                     |
| 322 RETROGRD | Num  | 8   | NY.       | 2.       | RETROGRADE DELIVERY                                            |
| 133 REVASCUL | Num  | 8   | NY.       | 2.       | REVASULARIZATION COMPLETE                                      |
| 292 RE_MI    | Num  | 8   | NY.       | 2.       | RE-MI (BETW INITIAL MI & SHOCK                                 |
| 630 RFAIL_AP | Num  | 8   | 2.        | 2.       | RENAL FAILURE AM/PM                                            |
| 628 RFAIL_D  | Char | 10  | 10.       | 10.      | RENAL FAILURE DATE                                             |
| 629 RFAIL_T  | Char | 5   | 5.        | 5.       | RENAL FAILURE TIME                                             |
| 135 RIMARTRY | Num  | 8   | NY.       | 2.       | RIGHT INTERNAL MAMMARY ARTERY CONDUIT USED                     |
| 144 RMVB_AP  | Num  | 8   | 2.        | 2.       | IABP REMOVAL AM/PM                                             |
| 142 RMVB_D   | Char | 10  | 10.       | 10.      | IABP REMOVAL DATE                                              |
| 143 RMVB_T   | Char | 5   | 5.        | 5.       | IABP REMOVAL TIME                                              |
| 267 RPA_C4   | Num  | 8   | NY.       | 2.       | RPA FOR THROMBOLYTIC 1                                         |
| 212 RTVTDIA  | Num  | 8   | 3.        | 3.       | RT VENTRICULAR DBP                                             |
| 211 RTVTSYS  | Num  | 8   | 3.        | 3.       | RT VENTRICULAR SBP                                             |
| 242 RUPT_REP | Num  | 8   | NY.       | 2.       | RUPTURE REPAIR SURGERY                                         |
| 384 RVDBP    | Num  | 8   | 3.        | 3.       | RIGHT VENTRICULAR DIASTOLIC PRESSURE AT RAND                   |
| 26 RVENTRC   | Num  | 8   | NY.       | 2.       | ISOLATED RV SHOCK                                              |
| 357 RVFWALL  | Num  | 8   | NY.       | 2.       | RV FREE WALL REPAIR                                            |
| 371 RVRUPTUR | Num  | 8   | NYS.      | 2.       | MITRAL VALVE SURGERY - REPAIR RV RUPTURE                       |
| 383 RVSBP    | Num  | 8   | 3.        | 3.       | RIGHT VENTRICULAR SYSTOLIC PRESSURE AT RAND                    |
| 338 S1CABG   | Num  | 8   | NY.       | 2.       | CABG                                                           |
| 128 SAMETARG | Num  | 8   | 2.        | 2.       | ALL PTCA ATTEMPTS FOR MULT LESIONS WERE IN THE SAME VESSEL     |
| 233 SBAFIABP | Num  | 8   | 3.        | 3.       | SBP 10-30 MIN AFTER IABP ON 1:1                                |
| 38 SBP       | Num  | 8   | 2.        | 2.       | SBP < 90 TWICE > 30 MIN APART                                  |
| 101 SBPRES   | Num  | 8   | 3.        | 3.       | SYSTOLIC BP NEAR SHOCK                                         |
| 434 SEPSIS   | Num  | 8   | NY.       | 2.       | SEPSIS                                                         |
| 622 SEPSIS_D | Char | 10  | 10.       | 10.      | SEPSIS DATE                                                    |

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| #   | Variable | Type | Len | Format   | Informat | Label                                                    |
|-----|----------|------|-----|----------|----------|----------------------------------------------------------|
| 623 | SEPSIS_T | Char | 5   | 5.       | 5.       | SEPSIS TIME                                              |
| 624 | SEPS_AP  | Num  | 8   | 2.       | 2.       | SEPSIS AM/PM                                             |
| 425 | SEVHEM   | Num  | 8   | NY.      | 2.       | SEVERE HEMORRHAGE                                        |
| 488 | SG_CI    | Num  | 8   | 4.2      | 4.2      | CI NEAR RAND                                             |
| 491 | SG_DBP   | Num  | 8   | 3.       | 3.       | DBP NEAR RAND                                            |
| 492 | SG_HEART | Num  | 8   | 3.       | 3.       | HR NEAR RAND                                             |
| 490 | SG_SBP   | Num  | 8   | 3.       | 3.       | SBP NEAR RAND                                            |
| 236 | SHEATHUS | Num  | 8   | NY.      | 2.       | SHEATH USED WITH IABP                                    |
| 27  | SHOCK    | Num  | 8   | NY.      | 2.       | OTHER CAUSE OF SHOCK                                     |
| 277 | SHOCKONS | Num  | 8   | NYS.     | 2.       | CHEST PAIN PRESENT AT SHOCK ONSET                        |
| 335 | SHYPOTHR | Num  | 8   | NY.      | 2.       | SYSTEMIC HYPOTHERMIA                                     |
| 12  | SIGN     | Char | 25  | 25.      | 25.      | PERSON COMPLETING FORM 1                                 |
| 367 | SIZERING | Num  | 8   | 2.       | 2.       | MITRAL VALVE SURGERY - SIZE OF ANNULOPLASTY RING         |
| 193 | SMOKE    | Num  | 8   | NY.      | 2.       | HISTORY OF SMOKING                                       |
| 475 | SPECNOPC | Char | 25  | 25.      | 25.      | SPECIFY REASON FOR NO PTCA                               |
| 253 | SPEC_OTH | Char | 15  | 15.      | 15.      | SPECIFY CPK UPPER LIMIT OF LAB NORMAL                    |
| 254 | SPEC_TY  | Num  | 8   | SPEC_TY. | 2.       | UNITS FOR CPK UPPER LIMIT OF LAB NORMAL                  |
| 464 | STABLE   | Num  | 8   | NY.      | 2.       | EMERGENCY BYPASS SURG, HEMO STABLE DUE TO COR ANGIO/PTCA |
| 75  | STOR_AP  | Num  | 8   | 2.       | 2.       | POTENTIAL RANDOMIZATIN AM/PM                             |
| 73  | STOR_DT  | Char | 10  | 10.      | 10.      | POTENTIAL RANDOMIZATION DATE                             |
| 74  | STOR_T   | Char | 5   | 5.       | 5.       | POTENTIAL RANDOMIZATION TIME                             |
| 168 | STREPA   | Num  | 8   | NY.      | 2.       | THROMBOLYTIC - STREPTOKINASE                             |
| 178 | STREPB   | Num  | 8   | 2.       | 2.       | THROMBOLYTIC 2 - STREPTOKINASE                           |
| 454 | STROKE   | Num  | 8   | 2.       | 2.       | STROKE CATH LAB COMPLICATION                             |
| 282 | ST_ELEVA | Num  | 8   | NY.      | 2.       | ST ELEV PRESENT AT SHOCK ONSET                           |
| 359 | SURG_DT  | Char | 10  | 10.      | 10.      | MITRAL VALVE SURGERY - SURGERY DATE                      |
| 312 | SURG_NUM | Num  | 8   | 2.       | 2.       | CARDIAC SURGERY - SURGERY NUMBER                         |
| 296 | SUSP_MI  | Num  | 8   | NY.      | 2.       | PRIOR EVENT ASSOC WITH SUSP MI                           |
| 279 | SUS_INFR | Num  | 8   | NY.      | 2.       | CP ASSOCIATED A/SUSP INFARCTION                          |
| 278 | SUS_ISCH | Num  | 8   | NY.      | 2.       | CP ASSOCIATED W/SUSP ISCHEMIA                            |
| 387 | SVR      | Num  | 8   | 4.       | 4.       | SVR AT RAND                                              |
| 44  | SWANGANZ | Num  | 8   | 2.       | 2.       | FORM 5 SG CATH - NEAR RAND                               |
| 231 | SYSBIABP | Num  | 8   | 3.       | 3.       | SBP BEFORE IABP                                          |
| 648 | SYSFLOW  | Num  | 8   | 4.1      | 4.1      | NEW VSD COMPLICATION - PULMONARY TO SYSTEMIC FLOW RATIO  |
| 297 | S_ISCH   | Num  | 8   | NY.      | 2.       | PRIOR EVENT ASSOC WITH SUSP ISCHEMIA                     |
| 136 | S_VEINS  | Num  | 8   | NY.      | 2.       | SAPHENOUS VEINS CONDUIT USED                             |
| 466 | TAMPON   | Num  | 8   | NY.      | 2.       | PERICARDIAL TAMPONADE DUE TO COR ANGIO/PTCA              |
| 32  | TAMPONAD | Num  | 8   | NY.      | 2.       | CARDIAC TAMPONADE                                        |
| 337 | TEMPUNIT | Num  | 8   | 2.       | 2.       | SYSTEMIC HYPOTHERMIA - LOWEST CORE TEMP, UNITS           |
| 165 | THERA_AP | Num  | 8   | 2.       | 2.       | THROMBOYTIC AM/PM                                        |
| 163 | THERA_D  | Char | 10  | 10.      | 10.      | THROMBOLYTIC DATE                                        |
| 164 | THERA_T  | Char | 5   | 5.       | 5.       | THROMBOLYTIC TIME                                        |
| 175 | THERB_AP | Num  | 8   | 2.       | 2.       | THROMBOLYTIC 2 AM/PM                                     |
| 173 | THERB_D  | Char | 10  | 10.      | 10.      | THROMBOLYTIC 2 DATE                                      |
| 174 | THERB_T  | Char | 5   | 5.       | 5.       | THROMBOLYTIC 2 TIME                                      |
| 334 | THYPOTHR | Num  | 8   | NY.      | 2.       | TOPICAL HYPOTHERMIA                                      |
| 64  | TIME36   | Num  | 8   | NY.      | 2.       | MI TO SHOCK < 36 HR                                      |
| 20  | TIME48   | Num  | 8   | NY.      | 2.       | MI TO SHOCK < 48 HR                                      |
| 19  | TIME_DIF | Num  | 8   | 3.       | 3.       | MI TO SHOCK DIFFERENCE (HRS)                             |
| 654 | TIMING1  | Num  | 8   | 2.       | 2.       | OTHER INTERVENTIONAL DEVICE TIMING 1                     |
| 656 | TIMING2  | Num  | 8   | 2.       | 2.       | OTHER INTERVENTIONAL DEVICE TIMING 2                     |
| 658 | TIMING3  | Num  | 8   | 2.       | 2.       | OTHER INTERVENTIONAL DEVICE TIMING 3                     |
| 660 | TIMING4  | Num  | 8   | 2.       | 2.       | OTHER INTERVENTIONAL DEVICE TIMING 4                     |
| 268 | TNKTPA_4 | Num  | 8   | NY.      | 2.       | TNK TPA FOR THROMBOLYTIC 1                               |
| 167 | TPA3HRA  | Num  | 8   | NY.      | 2.       | TPA, 3-HOUR REGIMEN FOR THROMBOLYTIC 1                   |
| 177 | TPA3HRB  | Num  | 8   | 2.       | 2.       | TPA, 3-HOUR REGIMEN FOR THROMBOLYTIC 2                   |
| 166 | TPAFRNTA | Num  | 8   | NY.      | 2.       | TPA, FRONT-LOADED REGIMEN FOR THROMBOLYTIC 1             |

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| # Variable   | Type | Len | Format    | Informat | Label                                                             |
|--------------|------|-----|-----------|----------|-------------------------------------------------------------------|
| 176 TPAFRNTB | Num  | 8   | 2.        | 2.       | TPA, FRONT-LOADED REGIMEN FOR THROMBOLYTIC 2                      |
| 381 TRANDATE | Char | 8   | 8.        | 8.       | TRANSFER DATE                                                     |
| 618 TRANFRBC | Num  | 8   | 2.        | 2.       | UNITS OF RBC TRANSFUSION FOR OTHER HEMORRHAGE                     |
| 617 TRANF_AP | Num  | 8   | 2.        | 2.       | OTHER HEMORRHAGE AM/PM                                            |
| 615 TRANSF_D | Char | 10  | 10.       | 10.      | OTHER HEMORRHAGE DATE                                             |
| 616 TRANSF_T | Char | 5   | 5.        | 5.       | OTHER HEMORRHAGE TIME                                             |
| 378 TRANSOUT | Num  | 8   | 2.        | 2.       | TRANSFER OUT TO GENERAL WARD                                      |
| 564 TRANSP_D | Char | 10  | 10.       | 10.      | CARDIAC TRANSPLANT DATE                                           |
| 379 TRAN_D   | Char | 10  | 10.       | 10.      | TRANSFER DATE                                                     |
| 377 TRICUSPD | Num  | 8   | TRICUSPD. | 2.       | MITRAL VALVE SURGERY - TRICUSPID REGURGITATION                    |
| 317 TVENT_DT | Char | 10  | 10.       | 10.      | TOTAL VENTED BYPASS DATE                                          |
| 258 TYPE_MB  | Num  | 8   | 2.        | 2.       | UNITS FOR MB                                                      |
| 252 TYPE_UPP | Num  | 8   | 2.        | 2.       | UNITS FOR UPPER LIMIT OF LAB NORM FOR CPK                         |
| 703 TYP_SYMP | Num  | 8   | 2.        | 2.       | MI CAUSING CS CONFIRMED BY TYPICL SYMPTOMS                        |
| 256 TY_OTHER | Num  | 8   | 2.        | 2.       | UNITS FOR UPPER LIMIT OF LAB NORM FOR MB(OUT OF TOTAL CPK)        |
| 261 TY_VAL   | Num  | 8   | 2.        | 2.       | UNITS FOR UPPER LIMIT OF LAB NORM FOR MB                          |
| 281 T_PTCA   | Num  | 8   | NYS.      | 2.       | CHEST PAIN PRESENT AT TIME OF PTCA/CABG                           |
| 280 T_RANDOM | Num  | 8   | NYS.      | 2.       | CHEST PAIN PRESENT AT TIME OF RAND                                |
| 463 UNSTABLE | Num  | 8   | NY.       | 2.       | EMERGENCY BYPASS SURG, HEMO UNSTABLE DUE TO COR ANGIO/PTCA        |
| 255 UPLIMVAL | Num  | 8   | 5.2       | 5.2      | UPPER LIMIT OF LAB NORM FOR MB(OUT OF TOTAL CPK)                  |
| 260 UPPERVAL | Num  | 8   | 5.1       | 5.1      | UPPER LIMIT OF LAB NORM FOR MB                                    |
| 40 URINE30   | Num  | 8   | 2.        | 2.       | URINE OUTPUT < 30 CC/HR                                           |
| 350 VALVPROC | Num  | 8   | NY.       | 2.       | VALVE PROCEDURE                                                   |
| 362 VALVSIZE | Num  | 8   | 2.        | 2.       | MITRAL VALVE SURGERY - TYPE OF REPLACEMENT VALVE                  |
| 361 VALVTYPE | Char | 25  | 25.       | 25.      | MITRAL VALVE SURGERY - SIZE OF REPLACEMENT VALVE                  |
| 246 VAL_LVEN | Num  | 8   | LVEF.     | 2.       | METHOD OF OBTAINING LVEF NEAR SHOCK                               |
| 416 VASO     | Num  | 8   | 2.        | 2.       | VASOPRESSORS DURING HOSP                                          |
| 500 VASOD    | Num  | 8   | 2.        | 2.       | VASODILATORS AT RAND                                              |
| 691 VASOD_24 | Num  | 8   | 2.        | 2.       | VASODILATOR AT 24-HR HEMO                                         |
| 39 VASOP     | Num  | 8   | 2.        | 2.       | PRESSORS REQUIRED TO MAINTAIN SBP>90                              |
| 275 VAS_OTHR | Num  | 8   | NY.       | 2.       | OTHER VASOPRESSORS DURING HOSP                                    |
| 276 VAS_SPEC | Char | 25  | 25.       | 25.      | SPECIFY OTHER VASOPRESSORS DURING HOSP                            |
| 145 VENT     | Num  | 8   | NY.       | 2.       | MECHANICAL VENTILATION REQUIRED                                   |
| 239 VENTAMPM | Num  | 8   | 2.        | 2.       | VENT INITIATION AM/PM                                             |
| 355 VENTRSEP | Num  | 8   | NY.       | 2.       | VENTRICULAR SEPTUM REPAIR                                         |
| 238 VENTTIME | Char | 5   | 5.        | 5.       | VENT INITIATION TIME                                              |
| 237 VENT_DAT | Char | 10  | 10.       | 10.      | VENT INITIATION DATE                                              |
| 91 VITAL     | Num  | 8   | VITAL.    | 2.       | VITAL STATUS AT HOSPITAL DISCHARGE                                |
| 380 VITAL30  | Num  | 8   | VITAL.    | 2.       | VITAL STATUS 30 DAYS POST-RAND                                    |
| 235 VRAIABP  | Num  | 8   | NY.       | 3.       | PRESSORS REDUCED AFTER IABP ON 1:1                                |
| 369 VSDREPAR | Num  | 8   | NYS.      | 2.       | MITRAL VALVE SURGERY - REPAIR RVS                                 |
| 272 V_DOPAMI | Num  | 8   | NY.       | 2.       | DOPAMINE DURING HOSP                                              |
| 606 V_FIB    | Num  | 8   | 2.        | 2.       | VENT FIBRILLATION/SUSTAINED VENTRICULAR TACHYCARDIA PRIOR TO RAND |
| 46 WEDGE     | Num  | 8   | 2.        | 2.       | PCWP >= 15                                                        |
| 847 a4_sh_hr | Num  | 8   |           |          | INITIAL ADM TO SHOCK (HRS)                                        |
| 846 ad4_sh   | Num  | 8   |           |          | INITIAL ADM TO SHOCK (DAYS)                                       |
| 781 ad_dis   | Num  | 8   |           |          | SHOCK HOSP ADM TO DISCHARGE (DAYS)                                |
| 836 age      | Num  | 8   |           |          | AGE                                                               |
| 837 agege65  | Num  | 8   | NY.       |          | AGE >= 65                                                         |
| 838 age<75   | Num  | 8   | NY.       |          | AGE < 75                                                          |
| 854 balln_tN | Num  | 8   |           |          | IABP TIME - NUMERIC                                               |
| 204 bun      | Num  | 8   | 6.2       | 6.2      | INITIAL BUN                                                       |
| 753 cabgdte  | Num  | 8   |           |          | CABG DATE                                                         |
| 763 cangdte  | Num  | 8   |           |          | COR ANGIO DATE (FORM S1)                                          |
| 723 cens1yr  | Num  | 8   |           |          | CENSOR=1 UP TO 1 YR POST-RAND                                     |
| 833 censor   | Num  | 8   |           |          | 0=DEAD, 1=ALIVE                                                   |
| 729 center   | Char | 7   |           |          | CENTER                                                            |

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| #   | Variable   | Type | Len | Format | Informat | Label                                |
|-----|------------|------|-----|--------|----------|--------------------------------------|
| 839 | cpkadj     | Num  | 8   |        |          | PEAK CPK/UPPER NORMAL LIMIT          |
| 733 | db06lt50   | Num  | 8   | NY.    |          | IND VAR FOR 6-HR DBP < 50            |
| 734 | db24lt50   | Num  | 8   | NY.    |          | IND VAR FOR 24-HR DBP < 50           |
| 731 | dbplt50    | Num  | 8   | NY.    |          | DBP < 50                             |
| 732 | dbrlt50    | Num  | 8   | NY.    |          | IND VAR FOR RAND DBP < 50            |
| 754 | dischd     | Num  | 8   |        |          | DISCHARGE DATE                       |
| 744 | dob        | Num  | 8   |        |          | DATE OF BIRTH                        |
| 743 | ekgexcl    | Num  | 8   | NY.    |          | EKG EXCLUSIONS NOT ON FORM 1         |
| 755 | f1adm_d    | Num  | 8   |        |          | SHOCK HOSP ADMIT DATE                |
| 79  | f1clean    | Num  | 8   |        |          | FORM 1 CLEAN DATE                    |
| 61  | f1rhcath   | Num  | 8   | NY.    |          | FORM 1 SG CATH DONE                  |
| 59  | f1versn    | Num  | 8   |        |          | FORM 1 VERSION                       |
| 814 | f4a_sh_h   | Num  | 8   |        |          | HRS FROM ORIG ADMISSION TO SHOCK     |
| 782 | f4ad_sh    | Num  | 8   |        |          | INITIAL ADM TO SHOCK (DAYS)          |
| 756 | f4adm_d    | Num  | 8   |        |          | INITIAL ADM DATE                     |
| 199 | f4dischd   | Char | 10  |        |          | FORM 4 DATE OF DISCHARGE             |
| 200 | f4rhcath   | Num  | 8   | NY.    |          | FORM 4 SG CATH - NEAR SHOCK          |
| 198 | f4versn    | Num  | 8   |        |          | FORM 4 VERSION                       |
| 467 | f5admitd   | Char | 10  |        |          | FORM 5 ADMIT DATE                    |
| 469 | f5dischd   | Char | 10  |        |          | FORM 5 DISCHARGE DATE                |
| 468 | f5rhcath   | Num  | 8   |        |          | FORM 5 SG CATH - NEAR RAND           |
| 726 | fm5        | Num  | 8   |        |          | PATIENT HAS FORM 5                   |
| 727 | fm8        | Num  | 8   |        |          | PATIENT HAS FORM 8                   |
| 724 | fms1       | Num  | 8   |        |          | PATIENT HAS FORM S1                  |
| 725 | fms3       | Num  | 8   |        |          | PATIENT HAS FORM S3                  |
| 768 | h24_dte    | Num  | 8   |        |          | NUMERIC DATE FOR 24-HR HEMODYNAMICS  |
| 207 | height     | Num  | 8   | 6.2    | 6.2      | HEIGHT - USE IN_CM FOR UNITS         |
| 767 | hem_dte    | Num  | 8   |        |          | NUMERIC DATE FOR 6-HR HEMODYNAMICS   |
| 851 | hemoexcl   | Num  | 8   | NY.    |          | HEMO EXCLUSION                       |
| 797 | hospstay   | Num  | 8   |        |          | LENGTH OF STAY (DAYS)                |
| 739 | ht_in      | Num  | 8   |        |          | HEIGHT (INCHES)                      |
| 816 | iabp_hr    | Num  | 8   |        |          | IABP DURATION (HRS)                  |
| 757 | iabpdte    | Num  | 8   |        |          | IABP DATE                            |
| 786 | iabpdur    | Num  | 8   |        |          | IABP DURATION (DAYS)                 |
| 856 | iabpinsitu | Num  | 8   | NY.    |          | IABP INSITU (F 4)                    |
| 208 | in_cm      | Num  | 8   | 2.     | 2.       | 1=IN 2=CM                            |
| 845 | infnoant   | Num  | 8   | NY.    |          | INFERIOR, NON-ANT MI                 |
| 203 | ini_crea   | Num  | 8   | 5.1    | 5.1      | INITIAL CREATININE                   |
| 735 | inotrope   | Num  | 8   | NY.    |          | INOTROPE USE                         |
| 742 | intl       | Num  | 8   | NY.    |          | INTERNATIONAL CENTER                 |
| 206 | lbs_kg     | Num  | 8   | 2.     | 2.       | 1=LBS 2=KG                           |
| 719 | leftmain   | Num  | 8   | NY.    |          | LEFT MAIN STENOSIS >=50%             |
| 748 | lhc2dte    | Num  | 8   |        |          | LH CATH #2 DATE                      |
| 749 | lhc3dte    | Num  | 8   |        |          | LH CATH #3 DATE                      |
| 842 | lhc_ps     | Num  | 8   | NY.    |          | LH CATH POST-SHOCK                   |
| 747 | lhcdte     | Num  | 8   |        |          | LH CATH #1 DATE                      |
| 849 | lvef_ps    | Num  | 8   |        |          | IN-HOSP LVEF SAME DAY OR AFTER SHOCK |
| 760 | lvefdte    | Num  | 8   |        |          | LVEF NEAR SHOCK DATE                 |
| 858 | lvfail     | Num  | 8   |        |          | PREDOMINANT LV FAILURE               |
| 758 | lyticdte   | Num  | 8   |        |          | LYTIC DATE                           |
| 776 | mi_cb      | Num  | 8   |        |          | MI TO CABG (DAYS)                    |
| 809 | mi_cb_hr   | Num  | 8   |        |          | MI TO CABG (HRS)                     |
| 799 | mi_dth     | Num  | 8   |        |          | MI TO DEATH (DAYS)                   |
| 828 | mi_dth_h   | Num  | 8   |        |          | MI TO DEATH (HRS)                    |
| 804 | mi_ly_hr   | Num  | 8   |        |          | MI TO LYTIC (HRS)                    |
| 771 | mi_lytic   | Num  | 8   |        |          | MI TO LYTIC (DAYS)                   |
| 772 | mi_pt      | Num  | 8   |        |          | MI TO PTCA (DAYS)                    |

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| #   | Variable  | Type | Len | Format | Informat | Label                                     |
|-----|-----------|------|-----|--------|----------|-------------------------------------------|
| 805 | mi_pt_hr  | Num  | 8   |        |          | MI TO PTCA1 (HRS)                         |
| 791 | mi_rand   | Num  | 8   |        |          | MI TO RAND (DAYS)                         |
| 784 | mi_rhc    | Num  | 8   |        |          | MI TO HEMO NEAR SHOCK (DAYS)              |
| 821 | mi_rn_hr  | Num  | 8   |        |          | MI TO RAND (HRS)                          |
| 825 | mi_rv_hr  | Num  | 8   |        |          | MI TO REVASC (HRS)                        |
| 769 | mi_sh     | Num  | 8   |        |          | MI TO SHOCK (DAYS)                        |
| 802 | mi_sh_hr  | Num  | 8   |        |          | MI TO SHOCK (HRS)                         |
| 745 | midate    | Num  | 8   |        |          | MI DATE                                   |
| 835 | mirnlt6   | Num  | 8   | NY.    |          | MO TO RAND < 6 HRS                        |
| 834 | mishlt6   | Num  | 8   | NY.    |          | MI TO SHOCK < 6 HRS                       |
| 844 | multloc   | Num  | 8   | NY.    |          | MULTIPLE MI LOCATIONS                     |
| 840 | mvptca    | Num  | 8   | NY.    |          | MULTIVESSEL PTCA (SAME CATH LAB VISIT)    |
| 728 | openhrt   | Num  | 8   |        |          | OPEN HEART SURGERY                        |
| 783 | pt_cb     | Num  | 8   |        |          | PTCA TO CABG (DAYS)                       |
| 751 | ptca2dte  | Num  | 8   |        |          | PTCA2 DATE                                |
| 752 | ptca3dte  | Num  | 8   |        |          | PTCA3 DATE                                |
| 841 | ptcacabg  | Num  | 8   | NY.    |          | PTCA OR CABG                              |
| 750 | ptcadte   | Num  | 8   |        |          | PTCA1 DATE                                |
| 794 | ran_cabg  | Num  | 8   |        |          | RAND TO CABG (DAYS)                       |
| 798 | ran_dth   | Num  | 8   |        |          | RAND TO DEATH (DAYS)                      |
| 793 | ran_ptca  | Num  | 8   |        |          | RAND TO PTCA (DAYS)                       |
| 765 | randte    | Num  | 8   |        |          | RAND DATE                                 |
| 852 | rcath_tN  | Num  | 8   |        |          | HEMO NEAR SHOCK TIME - NUMERIC            |
| 853 | record_tN | Num  | 8   |        |          | HEMO AT RAND TIME - NUMERIC               |
| 819 | rh_rh5_h  | Num  | 8   |        |          | HEMO NEAR SHOCK TO HEMO AT RAND (DAYS)    |
| 766 | rhc5dte   | Num  | 8   |        |          | HEMO AT RAND DATE                         |
| 789 | rhc_rhc5  | Num  | 8   |        |          | HEMO NEAR SHOCK TO HEMO AT RAND (DAYS)    |
| 759 | rhc5dte   | Num  | 8   |        |          | HEMO NEAR SHOCK DATE                      |
| 855 | rmvb_tN   | Num  | 8   |        |          | IABP REMOVE TIME - NUMERIC                |
| 761 | rmvdte    | Num  | 8   |        |          | IABP REMOVE DATE                          |
| 823 | rn_cb_hr  | Num  | 8   |        |          | RAND TO CABG (HRS)                        |
| 792 | rn_dis    | Num  | 8   |        |          | RAND TO DISCHARGE (DAYS)                  |
| 827 | rn_dth_h  | Num  | 8   |        |          | RAND TO DEATH (HRS)                       |
| 822 | rn_pt_hr  | Num  | 8   |        |          | RAND TO PTCA (HRS)                        |
| 830 | rn_rh5_h  | Num  | 8   |        |          | RAND TO HEMO AT RAND (HRS)                |
| 829 | rn_rh_hr  | Num  | 8   |        |          | RAND TO HEMO NEAR SHOCK (HRS)             |
| 800 | rn_rhc    | Num  | 8   |        |          | RAND TO HEMO NEAR SHOCK (DAYS)            |
| 801 | rn_rhc5   | Num  | 8   |        |          | RAND TO HEMO AT RAND (DAYS)               |
| 824 | rn_rv_hr  | Num  | 8   |        |          | RAND TO REVAS (HRS)                       |
| 803 | sh_b1_hr  | Num  | 8   |        |          | SHOCK TO IABP (HRS)                       |
| 796 | sh_cabg   | Num  | 8   |        |          | SHOCK TO CABG (DAYS)                      |
| 777 | sh_cb     | Num  | 8   |        |          | SHOCK TO CABG (DAYS)                      |
| 810 | sh_cb_hr  | Num  | 8   |        |          | SHOCK TO CABG (HRS)                       |
| 770 | sh_iabp   | Num  | 8   |        |          | SHOCK TO IABP (DAYS)                      |
| 812 | sh_l2_hr  | Num  | 8   |        |          | SHOCK TO LH CATH #2 (HRS)                 |
| 813 | sh_l3_hr  | Num  | 8   |        |          | SHOCK TO LH CATH #3 (HRS)                 |
| 811 | sh_lh_hr  | Num  | 8   |        |          | SHOCK TO LH CATH #1 (HRS)                 |
| 843 | sh_lh_ps  | Num  | 8   |        |          | SHOCK TO CATH WHERE LH CATH IS POST SHOCK |
| 778 | sh_lhc    | Num  | 8   |        |          | SHOCK TO LH CATH #1 (DAYS)                |
| 779 | sh_lhc2   | Num  | 8   |        |          | SHOCK TO LH CATH #2 (DAYS)                |
| 780 | sh_lhc3   | Num  | 8   |        |          | SHOCK TO LH CATH #3 (DAYS)                |
| 807 | sh_p2_hr  | Num  | 8   |        |          | SHOCK TO PTCA2 (HRS)                      |
| 808 | sh_p3_hr  | Num  | 8   |        |          | SHOCK TO PTCA3 (HRS)                      |
| 773 | sh_pt     | Num  | 8   |        |          | SHOCK TO PTCA1 (DAYS)                     |
| 774 | sh_pt2    | Num  | 8   |        |          | SHOCK TO PTCA2 (DAYS)                     |
| 775 | sh_pt3    | Num  | 8   |        |          | SHOCK TO PTCA3 (DAYS)                     |
| 806 | sh_pt_hr  | Num  | 8   |        |          | SHOCK TO PTCA (HRS)                       |

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| #   | Variable | Type | Len | Format | Informat | Label                                        |
|-----|----------|------|-----|--------|----------|----------------------------------------------|
| 795 | sh_ptca  | Num  | 8   |        |          | SHOCK TO PTCA1 (DAYS)                        |
| 790 | sh_rand  | Num  | 8   |        |          | SHOCK TO RAND (DAY)                          |
| 818 | sh_rh5_h | Num  | 8   |        |          | SHOCK TO HEMO AT RAND (HRS)                  |
| 815 | sh_rh_hr | Num  | 8   |        |          | SHOCK TO HEMO NEAR SHOCK (HRS)               |
| 785 | sh_rhc   | Num  | 8   |        |          | SHOCK to HEMO NEAR SHOCK (DAYS)              |
| 788 | sh_rhc5  | Num  | 8   |        |          | SHOCK TO HEMO AT RAND (DAYS)                 |
| 820 | sh_rn_hr | Num  | 8   |        |          | SHOCK TO RAND (HRS)                          |
| 826 | sh_rv_hr | Num  | 8   |        |          | SHOCK TO REVAS (HRS)                         |
| 787 | sh_vent  | Num  | 8   |        |          | SHOCK TO VENTILATION (DAYS)                  |
| 817 | sh_vt_hr | Num  | 8   |        |          | SHOCK TO VENTILATION (HRS)                   |
| 848 | shatadm  | Num  | 8   | NY.    |          | SHOCK ON ADMISSION (IF TIME DIFF=0 THEN CSA) |
| 746 | shdate   | Num  | 8   |        |          | SHOCK DATE                                   |
| 850 | status   | Num  | 8   | STAT.  |          | TRIAL ELIGIBILITY STATUS                     |
| 721 | surv12mo | Num  | 8   | VITAL. |          | VITAL STATUS 12 MONTHS POST-RAND             |
| 720 | surv6mo  | Num  | 8   | VITAL. |          | VITAL STATUS 6 MONTHS POST-RAND              |
| 722 | survd1yr | Num  | 8   |        |          | SURVIVAL UP TO 1 YR POST-RAND                |
| 832 | survdays | Num  | 8   |        |          | DAYS FROM RAND TO DISCHARGE                  |
| 831 | survhrs  | Num  | 8   |        |          | HRS FROM RAND TO DISCHARGE                   |
| 209 | syafiabp | Num  | 8   | 3.     | 3.       | SYSTEMIC HYPOPERFUSION REVERSED              |
| 738 | tamphemo | Num  | 8   |        |          | TAMPONAGE HEMODYNAMICS                       |
| 202 | thrombad | Num  | 8   | NY.    |          | THROMBOLYSIS                                 |
| 201 | thrombel | Num  | 8   | NY.    |          | ELIGIBLE FOR THROMBOLYTIC THERAPY            |
| 730 | transfer | Num  | 8   | NY.    |          | TRANSFER ADMISSION TO INITIAL HOSPITAL       |
| 764 | tventdte | Num  | 8   |        |          | TOTAL VENTED BYPASS DATE                     |
| 737 | v_tach   | Num  | 8   | NY.    |          | VTACH OR VFIB BEFORE RAND                    |
| 736 | vasopres | Num  | 8   | NY.    |          | VASOPRESSOR USE                              |
| 762 | ventdte  | Num  | 8   |        |          | DATE OF VENTILATION                          |
| 60  | version  | Num  | 8   |        |          | FORM VERSION                                 |
| 205 | weight   | Num  | 8   | 6.2    | 6.2      | WEIGHT - USE LBS_KG FOR UNITS                |
| 741 | white    | Num  | 8   | NY.    |          | WHITE, NON-HISPANIC                          |
| 740 | wt_lb    | Num  | 8   |        |          | WEIGHT (LBS)                                 |

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-----Variables Ordered by Position-----

| # Variable  | Type | Len | Pos  | Format   | Informat | Label                                                           |
|-------------|------|-----|------|----------|----------|-----------------------------------------------------------------|
| 1 ID        | Char | 7   | 5488 | 7.       | 7.       | ID                                                              |
| 2 F1ADMITD  | Char | 10  | 5495 | 10.      | 10.      | SHOCK HOSP ADMIT DATE                                           |
| 3 ADMIT_T   | Char | 5   | 5505 | 5.       | 5.       | SHOCK HOSP ADM TIME                                             |
| 4 ADMIT_AP  | Num  | 8   | 0    | 2.       | 2.       | SHOCK HOSP ADM AM/PM                                            |
| 5 ADM_TYPE  | Num  | 8   | 8    | ADMTYPE. | 2.       | TYPE OF ADMISSION                                               |
| 6 DOB_D     | Char | 10  | 5510 | 10.      | 10.      | PATIENT DATE OF BIRTH                                           |
| 7 GENDER    | Num  | 8   | 16   | SEX.     | 2.       | GENDER                                                          |
| 8 RACE      | Num  | 8   | 24   | RACE.    | 2.       | PATIENTS RACE                                                   |
| 9 RACESPEC  | Char | 25  | 5520 | 25.      | 25.      | SPECIFY PATIENTS RACE                                           |
| 10 HISP     | Num  | 8   | 32   | NY.      | 2.       | HISPANIC                                                        |
| 11 FORM_D   | Char | 10  | 5545 | 10.      | 10.      | FORM COMPLETION DATE                                            |
| 12 SIGN     | Char | 25  | 5555 | 25.      | 25.      | PERSON COMPLETING FORM 1                                        |
| 13 ONSET_D  | Char | 10  | 5580 | 10.      | 10.      | ONSET OF INDEX MI DATE                                          |
| 14 ONSET_T  | Char | 5   | 5590 | 5.       | 5.       | ONSET OF INDEX MI TIME                                          |
| 15 ONSET_AP | Num  | 8   | 40   | TIMEF.   | 2.       | ONSET OF INDEX MI AM/PM                                         |
| 16 ONSETC_D | Char | 10  | 5595 | 10.      | 10.      | ONSET OF CLINICALLY SUSPECT CS DATE                             |
| 17 ONSETC_T | Char | 5   | 5605 | 5.       | 5.       | ONSET OF CLINICALLY SUSPECT CS TIME                             |
| 18 ONSETC_A | Num  | 8   | 48   | TIMEF.   | 2.       | ONSET OF CLINICALLY SUSPECT CS AM/PM                            |
| 19 TIME_DIF | Num  | 8   | 56   | 3.       | 3.       | MI TO SHOCK DIFFERENCE (HRS)                                    |
| 20 TIME48   | Num  | 8   | 64   | NY.      | 2.       | MI TO SHOCK < 48 HR                                             |
| 21 CLIN_EX  | Num  | 8   | 72   | NY.      | 2.       | CLINICAL EXCLUSION CRITERIA PRESENT                             |
| 22 ILLNESS  | Num  | 8   | 80   | NY.      | 2.       | SEVERE SYSTEMIC ILLNESS                                         |
| 23 F1BLEED  | Num  | 8   | 88   | NY.      | 2.       | BLEEDING                                                        |
| 24 MECHAN   | Num  | 8   | 96   | NY.      | 2.       | MECHANICAL COMPLICATION                                         |
| 25 MECH_SPC | Num  | 8   | 104  | 2.       | 2.       | SPECIFY MECHANICAL COMPLICATION                                 |
| 26 RVENTRC  | Num  | 8   | 112  | NY.      | 2.       | ISOLATED RV SHOCK                                               |
| 27 SHOCK    | Num  | 8   | 120  | NY.      | 2.       | OTHER CAUSE OF SHOCK                                            |
| 28 AORTIC   | Num  | 8   | 128  | NY.      | 2.       | AORTIC STENOSIS/SEVERE VALVULAR DISEASE                         |
| 29 DILATED  | Num  | 8   | 136  | NY.      | 2.       | DILATED CARDIOMYOPATHY                                          |
| 30 INABILTY | Num  | 8   | 144  | NY.      | 2.       | NO VASCULAR ACCESS                                              |
| 31 HEMOR    | Num  | 8   | 152  | NY.      | 2.       | SEVERE HEMORRHAGE                                               |
| 32 TAMPONAD | Num  | 8   | 160  | NY.      | 2.       | CARDIAC TAMPONADE                                               |
| 33 BLOCK    | Num  | 8   | 168  | NY.      | 2.       | BETA BLOCKER/CALCIUM CHANNEL BLOCKADE                           |
| 34 EKG      | Num  | 8   | 176  | NY.      | 2.       | NON-QUALIFYING EKG                                              |
| 35 ANOXIC   | Num  | 8   | 184  | NY.      | 2.       | ANOXIC BRAIN DAMAGE                                             |
| 36 PTCABG   | Num  | 8   | 192  | NY.      | 2.       | UNSUITABLE CORONARY ANATOMY                                     |
| 37 CARDIAC  | Num  | 8   | 200  | NY.      | 2.       | SHOCK DUE TO CATH LAB COMPLICATION                              |
| 38 SBP      | Num  | 8   | 208  | 2.       | 2.       | SBP < 90 TWICE > 30 MIN APART                                   |
| 39 VASOP    | Num  | 8   | 216  | 2.       | 2.       | PRESSORS REQUIRED TO MAINTAIN SBP>90                            |
| 40 URINE30  | Num  | 8   | 224  | 2.       | 2.       | URINE OUTPUT < 30 CC/HR                                         |
| 41 EXTREM   | Num  | 8   | 232  | 2.       | 2.       | EVIDENCE OF COLD, DIAPHORETIC EXTREMITIES                       |
| 42 MENTAL   | Num  | 8   | 240  | 2.       | 2.       | MENTAL STATUS ABNORMAL, CONSISTENT WITH LOW CEREBRAL BLOOD FLOW |
| 43 RATE80   | Num  | 8   | 248  | 2.       | 2.       | HEART RATE >= 80                                                |
| 44 SWANGANZ | Num  | 8   | 256  | 2.       | 2.       | FORM 5 SG CATH - NEAR RAND                                      |
| 45 INTERVAL | Num  | 8   | 264  | 4.       | 4.       | TIME FROM PATIENT ID TO CATHETER                                |
| 46 WEDGE    | Num  | 8   | 272  | 2.       | 2.       | PCWP >= 15                                                      |
| 47 CARD_IDX | Num  | 8   | 280  | 2.       | 2.       | CARDIAC INDEX <= 2.2                                            |
| 48 CHECKED  | Num  | 8   | 288  | NY.      | 2.       | ALL ELIGIBILITY ITEMS WERE CHECKED                              |
| 49 CONSENT  | Num  | 8   | 296  | NY.      | 2.       | WRITTEN INFORMED CONSENT OBTAINED FROM PATIENT                  |
| 50 REASON   | Num  | 8   | 304  | 2.       | 2.       | REASON CONSENT NOT OBTAINED                                     |
| 51 RANDOM_D | Char | 10  | 5610 | 10.      | 10.      | RANDOMIZATINO DATE                                              |
| 52 RANDOM_T | Char | 5   | 5620 | 5.       | 5.       | RANDOMIZATION TIME                                              |
| 53 RANDOM_A | Num  | 8   | 312  | TIMEF.   | 2.       | RANDOMIZATION AM/PM                                             |
| 54 RDIFF    | Num  | 8   | 320  | 3.       | 3.       | DIFF IN POTENTIAL DATE OF RAND AND ONSET OF CS                  |
| 55 DIFF12   | Num  | 8   | 328  | NY.      | 2.       | SHOCK TO POT. RAND <= 12 HR                                     |
| 56 ELIGIBLE | Num  | 8   | 336  | 2.       | 2.       | ELIGIBILITY CONFIRMED                                           |
| 57 GROUP    | Num  | 8   | 344  | G.       | 2.       | ERV/IMS                                                         |

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-----Variables Ordered by Position-----

| # Variable    | Type | Len | Pos  | Format | Informat | Label                                                         |
|---------------|------|-----|------|--------|----------|---------------------------------------------------------------|
| 58 CONFIRM    | Char | 4   | 5625 | 4.     | 4.       | RAND CONFIRMATION NUMBER                                      |
| 59 f1versn    | Num  | 8   | 352  |        |          | FORM 1 VERSION                                                |
| 60 version    | Num  | 8   | 360  |        |          | FORM VERSION                                                  |
| 61 f1rhcath   | Num  | 8   | 368  | NY.    |          | FORM 1 SG CATH DONE                                           |
| 62 FORM_V     | Char | 3   | 5629 | 3.     | 3.       | FORM VERSION                                                  |
| 63 COMP_D     | Char | 10  | 5632 | 10.    | 10.      | COMPLETION DATE                                               |
| 64 TIME36     | Num  | 8   | 376  | NY.    | 2.       | MI TO SHOCK < 36 HR                                           |
| 65 OTHERCE    | Num  | 8   | 384  | NY.    | 2.       | OTHER CLINICAL EXCLUSION                                      |
| 66 OTHERCE_SP | Char | 45  | 5642 | 45.    | 45.      | FORM 1 - SPECIFY OTHER COMPLICATION                           |
| 67 F1SBP      | Num  | 8   | 392  | 3.     | 3.       | LOWEST RECORDED SBP PRIOR TO RAND                             |
| 68 RATE60     | Num  | 8   | 400  | 2.     | 2.       | HEART RATE >= 60                                              |
| 69 CATHETER   | Num  | 8   | 408  | 2.     | 2.       | SWAN-GANZ CATHETER DONE (FORM 1)                              |
| 70 NO_SC      | Num  | 8   | 416  | 2.     | 2.       | REASON FOR NO RH CATH                                         |
| 71 NO_SC_SP   | Char | 25  | 5687 | 25.    | 25.      | OTHER REASON FOR NO RH CATH                                   |
| 72 F1CHF      | Num  | 8   | 424  | 2.     | 2.       | ANTERIOR MI WITH CHEST X-RAY EVIDENCE OF PULM CONGEST         |
| 73 STOR_DT    | Char | 10  | 5712 | 10.    | 10.      | POTENTIAL RANDOMIZATION DATE                                  |
| 74 STOR_T     | Char | 5   | 5722 | 5.     | 5.       | POTENTIAL RANDOMIZATION TIME                                  |
| 75 STOR_AP    | Num  | 8   | 432  | 2.     | 2.       | POTENTIAL RANDOMIZATIN AM/PM                                  |
| 76 DIFF_RT    | Num  | 8   | 440  | 3.     | 3.       | SHOCK TO POT. RAND (HRS)                                      |
| 77 REASONSP   | Char | 25  | 5727 | 25.    | 25.      | PATIENT EXPIRED BEFORE RAND                                   |
| 78 B4RAND     | Num  | 8   | 448  | 2.     | 2.       | PT DIED AFTER CONSENT, BEFORE RAND                            |
| 79 f1clean    | Num  | 8   | 456  |        |          | FORM 1 CLEAN DATE                                             |
| 80 ADMIT_D    | Char | 10  | 5752 | 10.    | 10.      | SHOCK HOSP ADM DATE                                           |
| 81 INIT5      | Char | 25  | 5762 | 25.    | 25.      | NAME OF PERSON COMPLETING FORM                                |
| 82 DIED       | Num  | 8   | 464  | NY.    | 2.       | PATIENT DIED IN CATH LAB                                      |
| 83 BYPASS     | Num  | 8   | 472  | NY.    | 2.       | EMERGENCY BYPASS REQUIRED DIRECTLY FROM CATH LAB              |
| 84 OSUR       | Num  | 8   | 480  | NY.    | 2.       | OTHER EMERGENCY SURGERY REQUIRED DUE TO CATH LAB COMP         |
| 85 OSUR1_SP   | Char | 25  | 5787 | 25.    | 25.      | SPECIFY OTHER EMERGENCY SURGERY REQUIRED DUE TO CATH LAB COMP |
| 86 OSUR2_SP   | Char | 25  | 5812 | 25.    | 25.      | SPECIFY OTHER EMERGENCY SURGERY REQUIRED DUE TO CATH LAB COMP |
| 87 PERCOMP    | Char | 25  | 5837 | 25.    | 25.      | PERSON COMPLETING FORM 2                                      |
| 88 F4ADMITD   | Char | 10  | 5862 | 10.    | 10.      | INITIAL ADM DATE                                              |
| 89 F4ADM_T    | Char | 5   | 5872 | 5.     | 5.       | INITIAL ADM TIME                                              |
| 90 F4ADM_AP   | Num  | 8   | 488  | 2.     | 2.       | INITIAL ADM AM/PM                                             |
| 91 VITAL      | Num  | 8   | 496  | VITAL. | 2.       | VITAL STATUS AT HOSPITAL DISCHARGE                            |
| 92 DEAD_T     | Char | 5   | 5877 | 5.     | 5.       | DEATH TIME                                                    |
| 93 DEAD_AM    | Num  | 8   | 504  | TIMEF. | 2.       | DEATH AM/PM                                                   |
| 94 INIT       | Char | 25  | 5882 | 25.    | 25.      | NAME OF PERSON COMPLETING FORM                                |
| 95 RCATH_D    | Char | 10  | 5907 | 10.    | 10.      | HEMO NEAR SHOCK DATE                                          |
| 96 RCATH_T    | Char | 5   | 5917 | 5.     | 5.       | HEMO NEAR SHOCK TIME                                          |
| 97 RCATH_AM   | Num  | 8   | 512  | TIMEF. | 2.       | HEMO NEAR SHOCK AM/PM                                         |
| 98 PULPRES    | Num  | 8   | 520  | 3.     | 3.       | PCWP NEAR SHOCK                                               |
| 99 CARDIDX    | Num  | 8   | 528  | 5.2    | 5.2      | CARDIAC INDEX NEAR SHOCK                                      |
| 100 RATE      | Num  | 8   | 536  | 3.     | 3.       | HEART RATE NEAR SHOCK                                         |
| 101 SBPRES    | Num  | 8   | 544  | 3.     | 3.       | SYSTOLIC BP NEAR SHOCK                                        |
| 102 DBPRES    | Num  | 8   | 552  | 3.     | 3.       | DIASTOLIC BP NEAR SHOCK                                       |
| 103 LHCATH    | Num  | 8   | 560  | NY.    | 2.       | CORONARY ANGIOGRAPHY DURING HOSP                              |
| 104 LHC1_D    | Char | 10  | 5922 | 10.    | 10.      | LH CATH 1 DATE                                                |
| 105 LH1_T     | Char | 5   | 5932 | 5.     | 5.       | LH CATH 1 TIME                                                |
| 106 LH1_AM    | Num  | 8   | 568  | TIMEF. | 2.       | LH CATH 1 AM/PM                                               |
| 107 LH1SIZE   | Num  | 8   | 576  | 2.     | 2.       | LH CATH #1 SIZE                                               |
| 108 LHC2_D    | Char | 10  | 5937 | 10.    | 10.      | LH CATH 2 DATE                                                |
| 109 LH2_T     | Char | 5   | 5947 | 5.     | 5.       | LH CATH 2 TIME                                                |
| 110 LH2_AM    | Num  | 8   | 584  | 2.     | 2.       | LH CATH 2 AM/PM                                               |
| 111 LH2SIZE   | Num  | 8   | 592  | 2.     | 2.       | LH CATH #2 SIZE                                               |
| 112 LHC3_D    | Char | 10  | 5952 | 10.    | 10.      | LH CATH 3 DATE                                                |
| 113 LH3C_D    | Char | 8   | 5962 | 8.     | 8.       | LH CATH #3 DATE                                               |
| 114 LH3_T     | Char | 5   | 5970 | 5.     | 5.       | LH CATH 3 TIME                                                |

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-----Variables Ordered by Position-----

| # Variable   | Type | Len | Pos  | Format | Informat | Label                                                      |
|--------------|------|-----|------|--------|----------|------------------------------------------------------------|
| 115 LH3SIZE  | Num  | 8   | 600  | 2.     | 2.       | LH CATH #3 SIZE                                            |
| 116 LH3_AM   | Num  | 8   | 608  | 2.     | 2.       | LH CATH 3 AM/PM                                            |
| 117 PTCA     | Num  | 8   | 616  | NY.    | 2.       | PTCA ATTEMPTED                                             |
| 118 PTCA1_D  | Char | 10  | 5975 | 10.    | 10.      | PTCA DATE                                                  |
| 119 PTCA1_T  | Char | 5   | 5985 | 5.     | 5.       | PTCA TIME                                                  |
| 120 PTCA1_AM | Num  | 8   | 624  | TIMEF. | 2.       | PTCA AM/PM                                                 |
| 121 PTCA2_D  | Char | 10  | 5990 | 10.    | 10.      | PTCA 2 DATE                                                |
| 122 PTCA2_T  | Char | 5   | 6000 | 5.     | 5.       | PTCA 2 TIME                                                |
| 123 PTCA2_AM | Num  | 8   | 632  | TIMEF. | 2.       | PTCA 2 AM/PM                                               |
| 124 PTCA3_D  | Char | 10  | 6005 | 10.    | 10.      | PTCA 3 DATE                                                |
| 125 PTCA3_T  | Char | 5   | 6015 | 5.     | 5.       | PTCA 3 TIME                                                |
| 126 PTCA3_AM | Num  | 8   | 640  | 2.     | 2.       | PTCA 3 AM/PM                                               |
| 127 PTCA2    | Num  | 8   | 648  | 2.     | 2.       | PTCA 2 ATTEMPTED                                           |
| 128 SAMETARG | Num  | 8   | 656  | 2.     | 2.       | ALL PTCA ATTEMPTS FOR MULT LESIONS WERE IN THE SAME VESSEL |
| 129 CABG     | Num  | 8   | 664  | NY.    | 2.       | CABG ATTEMPTED                                             |
| 130 CABG_D   | Char | 10  | 6020 | 10.    | 10.      | CABG DATE                                                  |
| 131 CABG_T   | Char | 5   | 6030 | 5.     | 5.       | CABG TIME                                                  |
| 132 CABG_AM  | Num  | 8   | 672  | TIMEF. | 2.       | CABG AM/PM                                                 |
| 133 REVASCUL | Num  | 8   | 680  | NY.    | 2.       | REVASULARIZATION COMPLETE                                  |
| 134 LIMARTRY | Num  | 8   | 688  | NY.    | 2.       | LEFT INTERNAL MAMMARY ARTERY CONDUIT USED                  |
| 135 RIMARTRY | Num  | 8   | 696  | NY.    | 2.       | RIGHT INTERNAL MAMMARY ARTERY CONDUIT USED                 |
| 136 S_VEINS  | Num  | 8   | 704  | NY.    | 2.       | SAPHENOUS VEINS CONDUIT USED                               |
| 137 NUMVEINS | Num  | 8   | 712  | 2.     | 2.       | SAPHENOUS VEINS CONDUIT USED, NUMBER OF VEINS              |
| 138 BALLOON  | Num  | 8   | 720  | NY.    | 2.       | IABP                                                       |
| 139 BALLN_D  | Char | 10  | 6035 | 10.    | 10.      | IABP INSERTION DATE                                        |
| 140 BALLN_T  | Char | 5   | 6045 | 5.     | 5.       | IABP INSERTION TIME                                        |
| 141 BALLN_AP | Num  | 8   | 728  | TIMEF. | 2.       | IABP INSERTION AM/PM                                       |
| 142 RMVB_D   | Char | 10  | 6050 | 10.    | 10.      | IABP REMOVAL DATE                                          |
| 143 RMVB_T   | Char | 5   | 6060 | 5.     | 5.       | IABP REMOVAL TIME                                          |
| 144 RMVB_AP  | Num  | 8   | 736  | 2.     | 2.       | IABP REMOVAL AM/PM                                         |
| 145 VENT     | Num  | 8   | 744  | NY.    | 2.       | MECHANICAL VENTILATION REQUIRED                            |
| 146 DAYS     | Num  | 8   | 752  | 2.     | 2.       | DAYS ON VENTILATOR                                         |
| 147 B_TRAN   | Num  | 8   | 760  | NY.    | 2.       | BLOOD TRANSFUSION                                          |
| 148 CHSTPAIN | Num  | 8   | 768  | NY.    | 2.       | CHEST PAIN OR EQUIV ISCHEMIC SYMPTOM                       |
| 149 ECGLEADS | Num  | 8   | 776  | NY.    | 2.       | >= 2 ECG LEAD WITH ST ELEVATION                            |
| 150 QWAVES   | Num  | 8   | 784  | NY.    | 2.       | NEW Q-WAVES IN >= 2LEADS                                   |
| 151 PSTQWVE  | Num  | 8   | 792  | NY.    | 2.       | ACUTE POST MI/POST Q-WAVES, ST ELEV                        |
| 152 LBBS     | Num  | 8   | 800  | NY.    | 2.       | NEW LBBS                                                   |
| 153 ANTERIOR | Num  | 8   | 808  | NY.    | 2.       | ANTERIOR LOCATION OF INDEX MI                              |
| 154 INFERIOR | Num  | 8   | 816  | NY.    | 2.       | INFERIOR LOCATION OF INDEX MI                              |
| 155 POSTRIOR | Num  | 8   | 824  | NY.    | 2.       | POSTERIOR LOCATION OF INDEX MI                             |
| 156 LATERAL  | Num  | 8   | 832  | NY.    | 2.       | LATERAL LOCATION OF INDEX MI                               |
| 157 APICAL   | Num  | 8   | 840  | NY.    | 2.       | APICAL LOCATION OF INDEX MI                                |
| 158 INDEXMI  | Num  | 8   | 848  | ENZ.   | 2.       | #CPK READINGS                                              |
| 159 PEAKTOT  | Num  | 8   | 856  | 5.     | 5.       | PEAK TOTAL CPK                                             |
| 160 LIMIT    | Num  | 8   | 864  | 3.     | 3.       | UPPER LIMIT OF LAB NORMAL VALUE FOR CPK                    |
| 161 PEAKMBPC | Num  | 8   | 872  | 4.1    | 4.1      | PEAK CPK-MB % or INDEX                                     |
| 162 PEAKMBUN | Num  | 8   | 880  | 8.1    | 8.1      | PEAK CPK-MB UNITS                                          |
| 163 THERA_D  | Char | 10  | 6065 | 10.    | 10.      | THROMBOLYTIC DATE                                          |
| 164 THERA_T  | Char | 5   | 6075 | 5.     | 5.       | THROMBOLYTIC TIME                                          |
| 165 THERA_AP | Num  | 8   | 888  | 2.     | 2.       | THROMBOYTIC AM/PM                                          |
| 166 TPAFRNTA | Num  | 8   | 896  | NY.    | 2.       | TPA, FRONT-LOADED REGIMEN FOR THROMBOLYTIC 1               |
| 167 TPA3HRA  | Num  | 8   | 904  | NY.    | 2.       | TPA, 3-HOUR REGIMEN FOR THROMBOLYTIC 1                     |
| 168 STREPA   | Num  | 8   | 912  | NY.    | 2.       | THROMBOLYTIC - STREPTOKINASE                               |
| 169 APSACA   | Num  | 8   | 920  | NY.    | 2.       | THROMBOLYTIC - APSAC                                       |
| 170 OTHTHERA | Num  | 8   | 928  | NY.    | 2.       | OTHER THROMBOLYTIC 1                                       |
| 171 OTHA_SP  | Char | 25  | 6080 | 25.    | 25.      | SPECIFY OTHER THROMBOLYTIC 1                               |

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-----Variables Ordered by Position-----

| # Variable    | Type | Len | Pos  | Format | Informat | Label                                                         |
|---------------|------|-----|------|--------|----------|---------------------------------------------------------------|
| 172 FILLC42   | Num  | 8   | 936  | 2.     | 2.       | QUESTION ON FORM 4 C.4.2 FILL OUT (DATA MANAGER ONLY)         |
| 173 THERB_D   | Char | 10  | 6105 | 10.    | 10.      | THROMBOLYTIC 2 DATE                                           |
| 174 THERB_T   | Char | 5   | 6115 | 5.     | 5.       | THROMBOLYTIC 2 TIME                                           |
| 175 THERB_AP  | Num  | 8   | 944  | 2.     | 2.       | THROMBOLYTIC 2 AM/PM                                          |
| 176 TPAFRNTB  | Num  | 8   | 952  | 2.     | 2.       | TPA, FRONT-LOADED REGIMEN FOR THROMBOLYTIC 2                  |
| 177 TPA3HRB   | Num  | 8   | 960  | 2.     | 2.       | TPA, 3-HOUR REGIMEN FOR THROMBOLYTIC 2                        |
| 178 STREPB    | Num  | 8   | 968  | 2.     | 2.       | THROMBOLYTIC 2 - STREPTOKINASE                                |
| 179 APSACB    | Num  | 8   | 976  | 2.     | 2.       | THROMBOLYTIC 2 - APSAC                                        |
| 180 OTHHERB   | Num  | 8   | 984  | 2.     | 2.       | OTHER THROMBOLYTIC 2                                          |
| 181 OTHB_SP   | Char | 25  | 6120 | 25.    | 25.      | SPECIFY OTHER THROMBOLYTIC 2                                  |
| 182 PREPTCA   | Num  | 8   | 992  | 2.     | 2.       | PRIOR PTCA                                                    |
| 183 POSTPTCA  | Num  | 8   | 1000 | 2.     | 2.       | THROMBOLYTIC AFTER PTCA                                       |
| 184 NOPTCA    | Num  | 8   | 1008 | 2.     | 2.       | THROMBOLYTIC WITHOUT PTCA                                     |
| 185 PRIORMI   | Num  | 8   | 1016 | NY.    | 2.       | PRIOR MI                                                      |
| 186 HYPER     | Num  | 8   | 1024 | NY.    | 2.       | HISTORY OF HYPERTENSION                                       |
| 187 DIAB_TX   | Num  | 8   | 1032 | NY.    | 2.       | ORAL HYPOGLYCEMICS OR INSULIN                                 |
| 188 DIAB      | Num  | 8   | 1040 | NY.    | 2.       | HISTORY OF DIABETES                                           |
| 189 CONGEST   | Num  | 8   | 1048 | NY.    | 2.       | HISTORY OF CHF                                                |
| 190 RENAL     | Num  | 8   | 1056 | NY.    | 2.       | HISTORY OF RENAL INSUFFICIENCY                                |
| 191 PRECABG   | Num  | 8   | 1064 | NY.    | 2.       | PRIOR CABG                                                    |
| 192 BEFRPTCA  | Num  | 8   | 1072 | NY.    | 2.       | PRIOR PTCA                                                    |
| 193 SMOKE     | Num  | 8   | 1080 | NY.    | 2.       | HISTORY OF SMOKING                                            |
| 194 OTHERDIS  | Num  | 8   | 1088 | NY.    | 2.       | HISTORY OF OTHER LIFE-SHORTENING, NON-CARDIAC DISEASE         |
| 195 OTDIS_SP  | Char | 25  | 6145 | 25.    | 25.      | SPECIFY OTHER INTERVENTIONAL DEVICES                          |
| 196 BETABLOCK | Num  | 8   | 1096 | 2.     | 2.       | BETA BLOCKERS ADMIN BETWEEN INDEX MI ONSET AND CS ONSET       |
| 197 CALCBLOCK | Num  | 8   | 1104 | 2.     | 2.       | CA CHANNEL BLOCKERS ADMIN BETWEEN INDEX MI ONSET AND CS ONSET |
| 198 f4versn   | Num  | 8   | 1112 |        |          | FORM 4 VERSION                                                |
| 199 f4dischd  | Char | 10  | 6170 |        |          | FORM 4 DATE OF DISCHARGE                                      |
| 200 f4rhcath  | Num  | 8   | 1120 | NY.    |          | FORM 4 SG CATH - NEAR SHOCK                                   |
| 201 thrombel  | Num  | 8   | 1128 | NY.    |          | ELIGIBLE FOR THROMBOLYTIC THERAPY                             |
| 202 thrombad  | Num  | 8   | 1136 | NY.    |          | THROMBOLYSIS                                                  |
| 203 ini_crea  | Num  | 8   | 1144 | 5.1    | 5.1      | INITIAL CREATININE                                            |
| 204 bun       | Num  | 8   | 1152 | 6.2    | 6.2      | INITIAL BUN                                                   |
| 205 weight    | Num  | 8   | 1160 | 6.2    | 6.2      | WEIGHT - USE LBS_KG FOR UNITS                                 |
| 206 lbs_kg    | Num  | 8   | 1168 | 2.     | 2.       | 1=LBS 2=KG                                                    |
| 207 height    | Num  | 8   | 1176 | 6.2    | 6.2      | HEIGHT - USE IN_CM FOR UNITS                                  |
| 208 in_cm     | Num  | 8   | 1184 | 2.     | 2.       | 1=IN 2=CM                                                     |
| 209 syafiabp  | Num  | 8   | 1192 | 3.     | 3.       | SYSTEMIC HYPOPERFUSION REVERSED                               |
| 210 MRATR_PR  | Num  | 8   | 1200 | 3.     | 3.       | MEAN RT ATRIAL PRESSURE NEAR SHOCK                            |
| 211 RTVTSYS   | Num  | 8   | 1208 | 3.     | 3.       | RT VENTRICULAR SBP                                            |
| 212 RTVTDIA   | Num  | 8   | 1216 | 3.     | 3.       | RT VENTRICULAR DBP                                            |
| 213 PULSYSBP  | Num  | 8   | 1224 | 3.     | 3.       | PA SBP NEAR SHOCK                                             |
| 214 PULDIABP  | Num  | 8   | 1232 | 3.     | 3.       | PA DBP NEAR SHOCK                                             |
| 215 PADAB     | Num  | 8   | 1240 | NY.    | 2.       | PAD INSTEAD OF PCWP NEAR SHOCK                                |
| 216 CARD_OP   | Num  | 8   | 1248 | 5.2    | 5.2      | CARDIAC OUTPUT NEAR SHOCK                                     |
| 217 FICK_CLC  | Num  | 8   | 1256 | NY.    | 2.       | FICK CALCULATED CI INSTEAD OF THERMODILUTION CI NEAR SHOCK    |
| 218 A_LACTAT  | Num  | 8   | 1264 | 4.1    | 4.1      | ARTERIAL LACTATE NEAR SHOCK                                   |
| 219 ALACUNIT  | Num  | 8   | 1272 | 2.     | 2.       | ART LAC - UNITS NEAR SHOCK                                    |
| 220 ALACSPEC  | Char | 30  | 6180 | 30.    | 30.      | ART LAC - UNITS, SPECIFY NEAR SHOCK                           |
| 221 ART_LACT  | Num  | 8   | 1280 | 4.1    | 4.1      | ARTERIAL LACTATE AT RAND                                      |
| 222 LV_SYSTL  | Num  | 8   | 1288 | 3.     | 3.       | PTCA - LV SYSTOLIC PRESSURE                                   |
| 223 LV_DIAST  | Num  | 8   | 1296 | 3.     | 3.       | PTCA - LV DIASTOLIC PRESSURE                                  |
| 224 CANG1SHK  | Num  | 8   | 1304 | NY.    | 2.       | IN SHOCK AT TIME OF PTCA                                      |
| 225 CANG2     | Num  | 8   | 1312 | 2.     | 2.       | IN SHOCK AT TIME OF PTCA 2                                    |
| 226 INFARCTR  | Num  | 8   | 1320 | NY.    | 2.       | PTCA OF IRA ATTEMPTED                                         |
| 227 NUMPTCA   | Num  | 8   | 1328 | 2.     | 2.       | # LESIONS FOR PTCA ATTEMPTS                                   |
| 228 MULTIVES  | Num  | 8   | 1336 | NY.    | 2.       | MULTI-VESSEL PTCA (IN SAME CATH LAB)                          |

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| # Variable   | Type | Len | Pos  | Format   | Informat | Label                                                                  |
|--------------|------|-----|------|----------|----------|------------------------------------------------------------------------|
| 229 ATTVES   | Num  | 8   | 1344 | NY.      | 2.       | ALL PTCA ATTEMPTS FOR MULTIPLE LESIONS IN SAME VESSEL                  |
| 230 PTCA3    | Num  | 8   | 1352 | 2.       | 2.       | PTCA 3 ATTEMPTED                                                       |
| 231 SYSBIABP | Num  | 8   | 1360 | 3.       | 3.       | SBP BEFORE IABP                                                        |
| 232 DIAST_BP | Num  | 8   | 1368 | 3.       | 3.       | DBP BEFORE IABP                                                        |
| 233 SBAFIABP | Num  | 8   | 1376 | 3.       | 3.       | SBP 10-30 MIN AFTER IABP ON 1:1                                        |
| 234 DIADIABP | Num  | 8   | 1384 | 3.       | 3.       | DBP 10-30 MIN AFTER IABP ON 1:1                                        |
| 235 VRAIABP  | Num  | 8   | 1392 | NY.      | 3.       | PRESSORS REDUCED AFTER IABP ON 1:1                                     |
| 236 SHEATHUS | Num  | 8   | 1400 | NY.      | 2.       | SHEATH USED WITH IABP                                                  |
| 237 VENT_DAT | Char | 10  | 6210 | 10.      | 10.      | VENT INITIATION DATE                                                   |
| 238 VENTTIME | Char | 5   | 6220 | 5.       | 5.       | VENT INITIATION TIME                                                   |
| 239 VENTAMP  | Num  | 8   | 1408 | 2.       | 2.       | VENT INITIATION AM/PM                                                  |
| 240 DEVIC_NM | Char | 30  | 6225 | 30.      | 30.      | NAME OF CIRCULATORY DEVICE                                             |
| 241 CIRCASS  | Num  | 8   | 1416 | NY.      | 2.       | LVAD USE                                                               |
| 242 RUPT_REP | Num  | 8   | 1424 | NY.      | 2.       | RUPTURE REPAIR SURGERY                                                 |
| 243 MITRALVL | Num  | 8   | 1432 | NY.      | 2.       | MITRAL VALVE SURGERY                                                   |
| 244 NUM_UNIT | Num  | 8   | 1440 | 2.       | 2.       | NUMBER OF UNITS OF RBC OR WHOLE BLOOD TRANSFUSION DURING HOSP          |
| 245 LVECEJC  | Num  | 8   | 1448 | 2.       | 2.       | LVEF NEAR SHOCK                                                        |
| 246 VAL_LVEN | Num  | 8   | 1456 | LVEF.    | 2.       | METHOD OF OBTAINING LVEF NEAR SHOCK                                    |
| 247 LVEC_DT  | Char | 10  | 6255 | 10.      | 10.      | LVEF NEAR SHOCK DATE                                                   |
| 248 PULEDEMA | Num  | 8   | 1464 | NY.      | 2.       | PULMONARY EDEMA ON PHYSICAL EXAM                                       |
| 249 PULEDXR  | Num  | 8   | 1472 | NY.      | 2.       | PULMONARY EDEMA ON XRAY                                                |
| 250 BRGTHALF | Num  | 8   | 1480 | NY.      | 2.       | BILATERAL RALES > HALFWAY UP                                           |
| 251 BRLTHALF | Num  | 8   | 1488 | NY.      | 2.       | BILATERAL RATES < HALFWAY UP                                           |
| 252 TYPE_UPP | Num  | 8   | 1496 | 2.       | 2.       | UNITS FOR UPPER LIMIT OF LAB NORM FOR CPK                              |
| 253 SPEC_OTH | Char | 15  | 6265 | 15.      | 15.      | SPECIFY CPK UPPER LIMIT OF LAB NORMAL                                  |
| 254 SPEC_TY  | Num  | 8   | 1504 | SPEC_TY. | 2.       | UNITS FOR CPK UPPER LIMIT OF LAB NORMAL                                |
| 255 UPLIMVAL | Num  | 8   | 1512 | 5.2      | 5.2      | UPPER LIMIT OF LAB NORM FOR MB(OUT OF TOTAL CPK)                       |
| 256 TY_OTHER | Num  | 8   | 1520 | 2.       | 2.       | UNITS FOR UPPER LIMIT OF LAB NORM FOR MB(OUT OF TOTAL CPK)             |
| 257 OTHER_TY | Char | 15  | 6280 | 15.      | 15.      | SPECIFY UNITS FOR UPPER LIMIT OF<br>LAB NORM FOR MB(OUT OF TOTAL CPK)  |
| 258 TYPE_MB  | Num  | 8   | 1528 | 2.       | 2.       | UNITS FOR MB                                                           |
| 259 OTHER_UN | Char | 15  | 6295 | 15.      | 15.      | SPECIFY UNITS FOR MB                                                   |
| 260 UPPERVAL | Num  | 8   | 1536 | 5.1      | 5.1      | UPPER LIMIT OF LAB NORM FOR MB                                         |
| 261 TY_VAL   | Num  | 8   | 1544 | 2.       | 2.       | UNITS FOR UPPER LIMIT OF LAB NORM FOR MB                               |
| 262 OTH_TYVA | Char | 15  | 6310 | 15.      | 15.      | SPECIFY UNITS FOR UPPER LIMIT OF LAB NORM FOR MB                       |
| 263 MB_DATE  | Char | 10  | 6325 | 10.      | 10.      | MB/CPK DATE                                                            |
| 264 MB_TIME  | Char | 5   | 6335 | 5.       | 5.       | MB/CPK TIME                                                            |
| 265 AMPM24MB | Num  | 8   | 1552 | 2.       | 2.       | HIGHEST MB UNITS TIME                                                  |
| 266 CPK_MB   | Num  | 8   | 1560 | NY.      | 2.       | ALL CPKS AND MB ARE NEG, LDH>1.5X<br>UPPER LIMIT AND LD1> LD2 FRACTION |
| 267 RPA_C4   | Num  | 8   | 1568 | NY.      | 2.       | RPA FOR THROMBOLYTIC 1                                                 |
| 268 TNKTPA_4 | Num  | 8   | 1576 | NY.      | 2.       | TNK TPA FOR THROMBOLYTIC 1                                             |
| 269 DOBUTAMI | Num  | 8   | 1584 | NY.      | 2.       | DOBUTAMINE DURING HOSP                                                 |
| 270 MIL_AMRI | Num  | 8   | 1592 | NY.      | 2.       | MILRINONE/AMRINONE DURING HOSP                                         |
| 271 DIGOXIN  | Num  | 8   | 1600 | NY.      | 2.       | DIGOXIN DURING HOSP                                                    |
| 272 V_DOPAMI | Num  | 8   | 1608 | NY.      | 2.       | DOPAMINE DURING HOSP                                                   |
| 273 NOREPINE | Num  | 8   | 1616 | NY.      | 2.       | NOREPINEPHRINE DURING HOSP                                             |
| 274 EPINEPHI | Num  | 8   | 1624 | NY.      | 2.       | EPINEPHRINE DURING HOSP                                                |
| 275 VAS_OTHR | Num  | 8   | 1632 | NY.      | 2.       | OTHER VASOPRESSORS DURING HOSP                                         |
| 276 VAS_SPEC | Char | 25  | 6340 | 25.      | 25.      | SPECIFY OTHER VASOPRESSORS DURING HOSP                                 |
| 277 SHOCKONS | Num  | 8   | 1640 | NYS.     | 2.       | CHEST PAIN PRESENT AT SHOCK ONSET                                      |
| 278 SUS_ISCH | Num  | 8   | 1648 | NY.      | 2.       | CP ASSOCIATED W/SUSP ISCHEMIA                                          |
| 279 SUS_INFR | Num  | 8   | 1656 | NY.      | 2.       | CP ASSOCIATED A/SUSP INFARCTION                                        |
| 280 T_RANDOM | Num  | 8   | 1664 | NYS.     | 2.       | CHEST PAIN PRESENT AT TIME OF RAND                                     |
| 281 T_PTCA   | Num  | 8   | 1672 | NYS.     | 2.       | CHEST PAIN PRESENT AT TIME OF PTCA/CABG                                |
| 282 ST_ELEVA | Num  | 8   | 1680 | NY.      | 2.       | ST ELEV PRESENT AT SHOCK ONSET                                         |
| 283 ANT_ONST | Num  | 8   | 1688 | NY.      | 2.       | ANTERIOR ST ELEV AT SHOCK ONSET                                        |

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| # Variable   | Type | Len | Pos  | Format    | Informat | Label                                          |
|--------------|------|-----|------|-----------|----------|------------------------------------------------|
| 284 INF_ONST | Num  | 8   | 1696 | NY.       | 2.       | INFERIOR ST ELEV AT SHOCK ONSET                |
| 285 POS_ONST | Num  | 8   | 1704 | NY.       | 2.       | POSTERIOR ST ELEV AT SHOCK ONSET               |
| 286 LAT_ONST | Num  | 8   | 1712 | NY.       | 2.       | LATERAL ST ELEV AT SHOCK ONSET                 |
| 287 API_ONST | Num  | 8   | 1720 | NY.       | 2.       | APICAL ST ELEV AT SHOCK ONSET                  |
| 288 REC_MI   | Num  | 8   | 1728 | NY.       | 2.       | ST ELEVATION WITH A RE-MI DURING HOSP          |
| 289 ISCHEMIC | Num  | 8   | 1736 | NY.       | 2.       | RE-ISCHEMIA (BETW INIT MI & SHOCK)             |
| 290 NUM_EPIS | Num  | 8   | 1744 | 3.        | 3.       | #ISCHEMIC EPISODES                             |
| 291 ISCH_EPI | Num  | 8   | 1752 | NY.       | 2.       | DID ISCHEMIA CAUSE HYPOTENSION                 |
| 292 RE_MI    | Num  | 8   | 1760 | NY.       | 2.       | RE-MI (BETW INITIAL MI & SHOCK                 |
| 293 NUM_REMI | Num  | 8   | 1768 | 3.        | 3.       | # RE-MI                                        |
| 294 CAUSEHYP | Num  | 8   | 1776 | NY.       | 2.       | DID RE-MI CAUSE HYPOTENSION                    |
| 295 MI_WEEK  | Num  | 8   | 1784 | NY.       | 2.       | RECENT MI/REST ISCH SYMP IN PRIOR WK           |
| 296 SUSP_MI  | Num  | 8   | 1792 | NY.       | 2.       | PRIOR EVENT ASSOC WITH SUSP MI                 |
| 297 S_ISCH   | Num  | 8   | 1800 | NY.       | 2.       | PRIOR EVENT ASSOC WITH SUSP ISCHEMIA           |
| 298 INI_HEMA | Num  | 8   | 1808 | 5.2       | 5.2      | INITIAL HEMATOCRIT                             |
| 299 ELE_LIPI | Num  | 8   | 1816 | NY.       | 2.       | HISTORY OF ELEVATED LIPIDS                     |
| 300 PER_VAS  | Num  | 8   | 1824 | NY.       | 2.       | HISTORY OF PVD                                 |
| 301 OTHER_AC | Num  | 8   | 1832 | 2.        | 2.       | DISCHARGE CODES OTHER THAN MI OR CS            |
| 302 DIS_SPEC | Char | 25  | 6365 | 25.       | 25.      | SPECIFY DISCHARGE CODE #1                      |
| 303 ICD_9COD | Num  | 8   | 1840 | 6.2       | 6.2      | ICD-9 CODE #1                                  |
| 304 DIS_SC2  | Char | 25  | 6390 | 25.       | 25.      | SPECIFY DISCHARGE CODE #2                      |
| 305 ICD_9C   | Num  | 8   | 1848 | 6.2       | 6.2      | ICD-9 CODE #2                                  |
| 306 DIS_SC3  | Char | 25  | 6415 | 25.       | 25.      | SPECIFY DISCHARGE CODE #3                      |
| 307 DIS_SC4  | Char | 25  | 6440 | 25.       | 25.      | SPECIFY DISCHARGE CODE #4                      |
| 308 ICD9_DX4 | Num  | 8   | 1856 | 6.2       | 6.2      | ICD-9 CODE #4                                  |
| 309 DIS_SC5  | Char | 25  | 6465 | 25.       | 25.      | SPECIFY DISCHARGE CODE #5                      |
| 310 ICD9_DX5 | Num  | 8   | 1864 | 6.2       | 6.2      | ICD-9 CODE #5                                  |
| 311 ICD_9C2  | Num  | 8   | 1872 | 6.2       | 6.2      | ICD-9 CODE #3                                  |
| 312 SURG_NUM | Num  | 8   | 1880 | 2.        | 2.       | CARDIAC SURGERY - SURGERY NUMBER               |
| 313 CSURG_D  | Char | 10  | 6490 | 10.       | 10.      | CARDIAC SURGERY DATE                           |
| 314 CANG_DT  | Char | 10  | 6500 | 10.       | 10.      | COR ANGIO COMPLETION DATE                      |
| 315 CANDIO_T | Char | 5   | 6510 | 5.        | 5.       | COR ANGIO COMPLETION TIME                      |
| 316 CAND_AP  | Num  | 8   | 1888 | 2.        | 2.       | COR ANGIO COMPLETION AM/PM                     |
| 317 TVENT_DT | Char | 10  | 6515 | 10.       | 10.      | TOTAL VENTED BYPASS DATE                       |
| 318 BYPASS_T | Char | 5   | 6525 | 5.        | 5.       | TIME STARTED TOTAL VENTED BYPASS               |
| 319 BYPAS_AP | Num  | 8   | 1896 | 2.        | 2.       | AM/PM STARTED TOTAL VENTED BYPASS              |
| 320 CARD_USE | Num  | 8   | 1904 | NY.       | 2.       | CARDIOPLEGIA USED                              |
| 321 ANTEGRAD | Num  | 8   | 1912 | NY.       | 2.       | ANTEGRADE DELIVERY                             |
| 322 RETROGRD | Num  | 8   | 1920 | NY.       | 2.       | RETROGRADE DELIVERY                            |
| 323 CRYSTALO | Num  | 8   | 1928 | NY.       | 2.       | CRYSTALLOID CARDIOPLEGIA/PROT                  |
| 324 BLOOD    | Num  | 8   | 1936 | NY.       | 2.       | BLOOD CARDIOPLEGIA/PROT                        |
| 325 ADDITIVS | Num  | 8   | 1944 | NY.       | 2.       | ADDITIVES: CARDIOPLEGIA/PROT                   |
| 326 ADD1SPEC | Char | 25  | 6530 | 25.       | 25.      | FIRST SPECIFY, ADDITIVES: CARDIOPLEGIA/PROT    |
| 327 ADD2SPEC | Char | 25  | 6555 | 25.       | 25.      | SECOND SPECIFY, ADDITIVES: CARDIOPLEGIA/PROT   |
| 328 ADD3SPEC | Char | 25  | 6580 | 25.       | 25.      | THIRD SPECIFY, ADDITIVES: CARDIOPLEGIA/PROT    |
| 329 CARD_IND | Num  | 8   | 1952 | TEMP.     | 2.       | CARDIOPLEGIA INDUCTION                         |
| 330 CARDMAIN | Num  | 8   | 1960 | TEMP.     | 2.       | CARDIOPLEGIA MAINTENANCE                       |
| 331 CARDMMOD | Num  | 8   | 1968 | CARDMMOD. | 2.       | CARDIOPLEGIA MAINTENANCE MODE                  |
| 332 CFINALDS | Num  | 8   | 1976 | TEMP.     | 2.       | CARDIOPLEGIA FINAL DOSE                        |
| 333 CARD_COM | Char | 50  | 6605 | 50.       | 50.      | TEMP: CARDIOPLEGIA - COMMENTS                  |
| 334 THYPOTHR | Num  | 8   | 1984 | NY.       | 2.       | TOPICAL HYPOTHERMIA                            |
| 335 SHYPOTHR | Num  | 8   | 1992 | NY.       | 2.       | SYSTEMIC HYPOTHERMIA                           |
| 336 CORETEMP | Num  | 8   | 2000 | 5.1       | 5.1      | SYSTEMIC HYPOTHERMIA - LOWEST CORE TEMP        |
| 337 TEMPUNIT | Num  | 8   | 2008 | 2.        | 2.       | SYSTEMIC HYPOTHERMIA - LOWEST CORE TEMP, UNITS |
| 338 S1CABG   | Num  | 8   | 2016 | NY.       | 2.       | CABG                                           |
| 339 DISTANAS | Num  | 8   | 2024 | NY.       | 2.       | CARDIAC SURGERY - NUMBER OF DISTAL ANASTOMOSES |
| 340 RCA_BYB  | Num  | 8   | 2032 | NY.       | 2.       | RCA BYPASSED                                   |

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| # Variable   | Type | Len | Pos  | Format    | Informat | Label                                                                       |
|--------------|------|-----|------|-----------|----------|-----------------------------------------------------------------------------|
| 341 LCF_BYP  | Num  | 8   | 2040 | NY.       | 2.       | LCF BYPASSED                                                                |
| 342 LAD_BYP  | Num  | 8   | 2048 | NY.       | 2.       | LAD BYPASSED                                                                |
| 343 P_ANASTS | Num  | 8   | 2056 | PANASTS.  | 2.       | PROXIMAL ANASTOMOSES                                                        |
| 344 PTIMEHRS | Num  | 8   | 2064 | 2.        | 2.       | CARDIAC SURGERY - TOTAL PERFUSION TIME HOURS                                |
| 345 PTIMEMIN | Num  | 8   | 2072 | 2.        | 2.       | CARDIAC SURGERY - TOTAL PERFUSION TIME MINUTES                              |
| 346 CLAMPHRS | Num  | 8   | 2080 | 2.        | 2.       | CARDIAC SURGERY - TOTAL CROSS CLAMP HOURS                                   |
| 347 CLAMPMIN | Num  | 8   | 2088 | 2.        | 2.       | CARDIAC SURGERY - TOTAL CROSS CLAMP MINUTES                                 |
| 348 CONDUIT  | Num  | 8   | 2096 | CONDUIT.  | 2.       | CONDUIT USED ON INFARCT-RELATED ARTERY                                      |
| 349 CONDUITS | Char | 25  | 6655 | 25.       | 25.      | SPECIFY CONDUIT USED ON INFARCT-RELATED ARTERY                              |
| 350 VALVPROC | Num  | 8   | 2104 | NY.       | 2.       | VALVE PROCEDURE                                                             |
| 351 MVREPLAC | Num  | 8   | 2112 | NY.       | 2.       | MV REPLACEMENT OR REPAIR                                                    |
| 352 LEAFMUSC | Num  | 8   | 2120 | NY.       | 2.       | PRESERVED LEAFLET CHORDAE/PAP MUSCLE                                        |
| 353 AVREPLAC | Num  | 8   | 2128 | NY.       | 2.       | AORTIC VALVE REPLACEMENT                                                    |
| 354 MYOCREPR | Num  | 8   | 2136 | NY.       | 2.       | MYOCARDIAL RUPTURE REPAIR                                                   |
| 355 VENTRSEP | Num  | 8   | 2144 | NY.       | 2.       | VENTRICULAR SEPTUM REPAIR                                                   |
| 356 LVFWALL  | Num  | 8   | 2152 | NY.       | 2.       | LV FREE WALL REPAIR                                                         |
| 357 RVFWALL  | Num  | 8   | 2160 | NY.       | 2.       | RV FREE WALL REPAIR                                                         |
| 358 ANEURYSM | Num  | 8   | 2168 | NY.       | 2.       | ANEURYSMECTOMY                                                              |
| 359 SURG_DT  | Char | 10  | 6680 | 10.       | 10.      | MITRAL VALVE SURGERY - SURGERY DATE                                         |
| 360 MITRAL_P | Num  | 8   | 2176 | MPROC.    | 2.       | MITRAL PROCEDURE                                                            |
| 361 VALVTYPE | Char | 25  | 6690 | 25.       | 25.      | MITRAL VALVE SURGERY - SIZE OF REPLACEMENT VALVE                            |
| 362 VALVSIZE | Num  | 8   | 2184 | 2.        | 2.       | MITRAL VALVE SURGERY - TYPE OF REPLACEMENT VALVE                            |
| 363 PRESERVE | Num  | 8   | 2192 | NYS.      | 2.       | PRESERVATION OF LEAFLETS/CHORDAE/PAPILLARY<br>MUSCLE - MITRAL VALVE SURGERY |
| 364 ANTERRPR | Num  | 8   | 2200 | NYS.      | 2.       | MITRAL VALVE SURGERY - REPAIR ANTERIOR                                      |
| 365 POSTERIO | Num  | 8   | 2208 | NYS.      | 2.       | MITRAL VALVE SURGERY - REPAIR POSTERIOR                                     |
| 366 ANNULRIN | Num  | 8   | 2216 | 2.        | 2.       | MITRAL VALVE SURGERY - REPAIR ANNULOPLASTY RING                             |
| 367 SIZERING | Num  | 8   | 2224 | 2.        | 2.       | MITRAL VALVE SURGERY - SIZE OF ANNULOPLASTY RING                            |
| 368 ANEURYS3 | Num  | 8   | 2232 | NYS.      | 2.       | MITRAL VALVE SURGERY - ANEURYSMECTOMY                                       |
| 369 VSDREPAR | Num  | 8   | 2240 | NYS.      | 2.       | MITRAL VALVE SURGERY - REPAIR RVS                                           |
| 370 LVRIPTUR | Num  | 8   | 2248 | NYS.      | 2.       | MITRAL VALVE SURGERY - REPAIR LV RUPTURE                                    |
| 371 RVRIPTUR | Num  | 8   | 2256 | NYS.      | 2.       | MITRAL VALVE SURGERY - REPAIR RV RUPTURE                                    |
| 372 AV_SURG  | Num  | 8   | 2264 | NYS.      | 2.       | MITRAL VALVE SURGERY - AORTIC VALVE SURGERY                                 |
| 373 PREOPLV  | Num  | 8   | 2272 | 2.        | 2.       | MITRAL VALVE SURGERY - PRE-OPERATIVE LVEF                                   |
| 374 MEASURE  | Num  | 8   | 2280 | MEASURE.  | 2.       | MITRAL VALVE SURGERY - METHOD OF OBTAINING MEASUREMENT                      |
| 375 PREOPRV  | Num  | 8   | 2288 | 2.        | 2.       | MITRAL VALVE SURGERY - PRE-OPERATIVE RV FUNCTION - EF                       |
| 376 QUALASST | Num  | 8   | 2296 | QUALASST. | 2.       | MITRAL VALVE SURGERY - CARDIAC FUNCTION QUALITATIVE ASSESSMENT              |
| 377 TRICUSPD | Num  | 8   | 2304 | TRICUSPD. | 2.       | MITRAL VALVE SURGERY - TRICUSPID REGURGITATION                              |
| 378 TRANSOUT | Num  | 8   | 2312 | 2.        | 2.       | TRANSFER OUT TO GENERAL WARD                                                |
| 379 TRAN_D   | Char | 10  | 6715 | 10.       | 10.      | TRANSFER DATE                                                               |
| 380 VITAL30  | Num  | 8   | 2320 | VITAL.    | 2.       | VITAL STATUS 30 DAYS POST-RAND                                              |
| 381 TRANDATE | Char | 8   | 6725 | 8.        | 8.       | TRANSFER DATE                                                               |
| 382 MRAP     | Num  | 8   | 2328 | 3.        | 3.       | RAP NEAR RAND                                                               |
| 383 RVSBP    | Num  | 8   | 2336 | 3.        | 3.       | RIGHT VENTRICULAR SYSTOLIC PRESSURE AT RAND                                 |
| 384 RVDBP    | Num  | 8   | 2344 | 3.        | 3.       | RIGHT VENTRICULAR DIASTOLIC PRESSURE AT RAND                                |
| 385 PASBP    | Num  | 8   | 2352 | 3.        | 3.       | PULM ARTERIAL SYSTOLIC PRESSURE AT RAND                                     |
| 386 PADBP    | Num  | 8   | 2360 | 3.        | 3.       | PULM ARTERIAL DIASTOLIC PRESSURE AT RAND                                    |
| 387 SVR      | Num  | 8   | 2368 | 4.        | 4.       | SVR AT RAND                                                                 |
| 388 AV02DIFF | Num  | 8   | 2376 | 6.2       | 6.2      | (A-V)O2 DIFF AT RAND                                                        |
| 389 MUGA1    | Num  | 8   | 2384 | 2.        | 2.       | MUGA 1 PERFORMED                                                            |
| 390 MUGA1_SP | Char | 25  | 6733 | 25.       | 25.      | REASON MUGA 1 NOT DONE                                                      |
| 391 MUGA1_D  | Char | 10  | 6758 | 10.       | 10.      | MUGA 1 DATE PERFORMED                                                       |
| 392 M1EJFRAC | Num  | 8   | 2392 | 3.        | 3.       | MUGA 1 EJECTION FRACTION                                                    |
| 393 MUGA2    | Num  | 8   | 2400 | 2.        | 2.       | MUGA 2 PERFORMED                                                            |
| 394 MUGA2_SP | Char | 25  | 6768 | 25.       | 25.      | REASON MUGA 2 NOT DONE                                                      |
| 395 MUGA2_D  | Char | 10  | 6793 | 10.       | 10.      | MUGA 2 DATE PERFORMED                                                       |
| 396 M2EJFRAC | Num  | 8   | 2408 | 3.        | 3.       | MUGA 2 EJECTION FRACTION                                                    |

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| # Variable    | Type | Len | Pos  | Format | Informat | Label                                                               |
|---------------|------|-----|------|--------|----------|---------------------------------------------------------------------|
| 397 OTHPROC   | Num  | 8   | 2416 | 2.     | 2.       | OTHER SURGICAL PROCEDURES DURING HOSP                               |
| 398 PROC1     | Char | 25  | 6803 | 25.    | 25.      | OTHER SURGICAL PROCEDURE 1, SPECIFY                                 |
| 399 PROC1_D   | Char | 10  | 6828 | 10.    | 10.      | OTHER SURGICAL PROCEDURE 1, DATE                                    |
| 400 PROC2     | Char | 25  | 6838 | 25.    | 25.      | OTHER SURGICAL PROCEDURE 2, SPECIFY                                 |
| 401 PROC2_D   | Char | 10  | 6863 | 10.    | 10.      | OTHER SURGICAL PROCEDURE 2, DATE                                    |
| 402 PROC3     | Char | 25  | 6873 | 25.    | 25.      | OTHER SURGICAL PROCEDURE 3, SPECIFY                                 |
| 403 PROC3_D   | Char | 10  | 6898 | 10.    | 10.      | OTHER SURGICAL PROCEDURE 3, DATE                                    |
| 404 ANGIOS    | Num  | 8   | 2424 | 2.     | 2.       | NUMBER ANGIOGRAMS/ANGIOPLASTY FILMS                                 |
| 405 NITRATES  | Num  | 8   | 2432 | 2.     | 2.       | NITRATES PRIOR TO HOSP                                              |
| 406 DIGOXIN5  | Num  | 8   | 2440 | 2.     | 2.       | DIGOXIN PRIOR TO HOSP                                               |
| 407 ACE       | Num  | 8   | 2448 | 2.     | 2.       | ACE INHIBITORS PRIOR TO HOSP                                        |
| 408 OTHVASO   | Num  | 8   | 2456 | 2.     | 2.       | OTHER VASODILATORS PRIOR TO HOSP                                    |
| 409 DIURETIC  | Num  | 8   | 2464 | 2.     | 2.       | DIURETICS PRIOR TO HOSP                                             |
| 410 BETABLOC  | Num  | 8   | 2472 | 2.     | 2.       | BETA BLOCKERS PRIOR TO HOSP                                         |
| 411 CALCBLOC  | Num  | 8   | 2480 | 2.     | 2.       | CA CHANNEL BLOCKERS PRIOR TO HOSP                                   |
| 412 ASPIRIN   | Num  | 8   | 2488 | 2.     | 2.       | ASPIRIN PRIOR TO HOSP                                               |
| 413 IVNITRO   | Num  | 8   | 2496 | 2.     | 2.       | IV NITROGLYCERIN DURING HOSP                                        |
| 414 IVVASO    | Num  | 8   | 2504 | 2.     | 2.       | OTHER IV VASODILATORS DURING HOSP                                   |
| 415 IVINOTRO  | Num  | 8   | 2512 | 2.     | 2.       | IV INOTROPIC (OTHER THAN DIGOXIN)                                   |
| 416 VASO      | Num  | 8   | 2520 | 2.     | 2.       | VASOPRESSORS DURING HOSP                                            |
| 417 HEPARIN   | Num  | 8   | 2528 | 2.     | 2.       | HEPARIN DURING HOSP                                                 |
| 418 BBLOC     | Num  | 8   | 2536 | 2.     | 2.       | BETA BLOCKERS DURING HOSP                                           |
| 419 CALCCCHAN | Num  | 8   | 2544 | 2.     | 2.       | CA CHANNEL BLOCKERS DURING HOSP                                     |
| 420 LIDO      | Num  | 8   | 2552 | 2.     | 2.       | LIDOCAINE DURING HOSP                                               |
| 421 PROCAIN   | Num  | 8   | 2560 | 2.     | 2.       | PROCAINIMIDE DURING HOSP                                            |
| 422 ANTIARRY  | Num  | 8   | 2568 | 2.     | 2.       | OTHER ANTI-ARRHYTHMICS DURING HOSP                                  |
| 423 OTHER     | Num  | 8   | 2576 | 2.     | 2.       | OTHER MED TAKEN DURING HOSP                                         |
| 424 OTMED_SP  | Char | 45  | 6908 | 45.    | 45.      | SPECIFY OTHER MED TAKEN DURING HOSP                                 |
| 425 SEVHEM    | Num  | 8   | 2584 | NY.    | 2.       | SEVERE HEMORRHAGE                                                   |
| 426 GRBLEED   | Num  | 8   | 2592 | NY.    | 2.       | GROIN/RETROPERITONEAL BLEED                                         |
| 427 GIBLEED   | Num  | 8   | 2600 | NY.    | 2.       | GI BLEED                                                            |
| 428 GUBLEED   | Num  | 8   | 2608 | NY.    | 2.       | GU BLEED                                                            |
| 429 OTHBLEED  | Num  | 8   | 2616 | NY.    | 2.       | OTHER CAUSE OF BLEEDING                                             |
| 430 OTH_SP    | Char | 30  | 6953 | 30.    | 30.      | SPECIFY OTHER THROMBOLYTIC                                          |
| 431 INTHEM    | Num  | 8   | 2624 | NY.    | 2.       | INTRACRANIAL HEMORRHAGE                                             |
| 432 HEMTRANS  | Num  | 8   | 2632 | NY.    | 2.       | OTHER HEMORRHAGE REQUIRING TRANSFUSION                              |
| 433 OTHCVA    | Num  | 8   | 2640 | NY.    | 2.       | OTHER CVA                                                           |
| 434 SEPSIS    | Num  | 8   | 2648 | NY.    | 2.       | SEPSIS                                                              |
| 435 ACRENFL   | Num  | 8   | 2656 | NY.    | 2.       | ACUTE RENAL FAILURE                                                 |
| 436 RENFLDC   | Num  | 8   | 2664 | NY.    | 2.       | RENAL FAILURE ON DISCHARGE                                          |
| 437 PVOCCLU   | Num  | 8   | 2672 | NY.    | 2.       | PERIPHERAL VASCULAR OCCLUSION DUE TO COR ANGIO/PTCA                 |
| 438 PV1SPEC   | Num  | 8   | 2680 | 2.     | 2.       | SPECIFY ACTION 1 FOR PERIPHERAL VASCULAR OCCLUSION                  |
| 439 PVOCIABP  | Num  | 8   | 2688 | NY.    | 2.       | PERIPHERAL VASCULAR OCCLUSION                                       |
| 440 PV2SPEC   | Num  | 8   | 2696 | 2.     | 2.       | SPECIFY ACTION 2 FOR PERIPHERAL VASCULAR OCCLUSION                  |
| 441 OTHPVOC   | Num  | 8   | 2704 | NY.    | 2.       | OTHER PERIPHERAL VASCULAR OCCLUSION                                 |
| 442 PVOCSITE  | Char | 25  | 6983 | 25.    | 25.      | SITE OF OTHER PERIPHERAL VASCULAR OCCLUSION                         |
| 443 REFSHOCK  | Num  | 8   | 2712 | NY.    | 2.       | REFRACTORY SHOCK                                                    |
| 444 ANGINA    | Num  | 8   | 2720 | NY.    | 2.       | ANY ANGINA                                                          |
| 445 ANGAFT24  | Num  | 8   | 2728 | NY.    | 2.       | ANGINA > 24 HRS POST MI AT REST<br>AND REFRAC DUE TO MED MANAGEMENT |
| 446 NEWMR     | Num  | 8   | 2736 | NY.    | 2.       | NEW MECHANICAL COMPLICATION - MR                                    |
| 447 NEWVSD    | Num  | 8   | 2744 | NY.    | 2.       | NEW MECHANICAL COMPLICATION - VSD                                   |
| 448 ANG_D     | Char | 10  | 7008 | 10.    | 10.      | COR ANGIO DATE                                                      |
| 449 ANG_T     | Char | 5   | 7018 | 5.     | 5.       | COR ANGIO TIME                                                      |
| 450 ANG_PM    | Num  | 8   | 2752 | 2.     | 2.       | COR ANGIO AM/PM                                                     |
| 451 MECH_D    | Char | 10  | 7023 | 10.    | 10.      | DATE OF FIRST ADVERSE EVENT OCCURRENCE                              |
| 452 CATH      | Num  | 8   | 2760 | NY.    | 2.       | COMPLICATIONS DUE TO CATH/PTCA                                      |

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| #   | Variable | Type | Len | Pos  | Format    | Informat | Label                                                         |
|-----|----------|------|-----|------|-----------|----------|---------------------------------------------------------------|
| 453 | DEATH    | Num  | 8   | 2768 | NY.       | 2.       | DEATH IN CATH LAB                                             |
| 454 | STROKE   | Num  | 8   | 2776 | 2.        | 2.       | STROKE CATH LAB COMPLICATION                                  |
| 455 | BLEED    | Num  | 8   | 2784 | NY.       | 2.       | BLEEDING REQUIRING TRANSFUSION/SURGERY DUE TO COR ANGIO/PTCA  |
| 456 | CSEPSIS  | Num  | 8   | 2792 | 2.        | 2.       | SEPSIS CATH LAB COMPLICATION                                  |
| 457 | PERFOR   | Num  | 8   | 2800 | NY.       | 2.       | PERFORATION OF COR ARTERY DUE TO COR ANGIO/PTCA               |
| 458 | OCCLU    | Num  | 8   | 2808 | NY.       | 2.       | ACCUTE OCCLUSION AT SITE OF PTCA                              |
| 459 | OBSTR    | Num  | 8   | 2816 | NY.       | 2.       | ARTERIAL/VENOUS OBSTRUCTION DUE TO COR ANGIO/PTCA             |
| 460 | ALLERGIC | Num  | 8   | 2824 | NY.       | 2.       | ALLERGIC REACTION TO COR ANGIO/PTCA                           |
| 461 | ARRHYTH  | Num  | 8   | 2832 | NY.       | 2.       | ARRHYTHMIA DUE TO COR ANGIO/PTCA                              |
| 462 | EBYPASS  | Num  | 8   | 2840 | NY.       | 2.       | CARDIOPULM BYPASS/LV ASSIST DEVICE DUE TO COR ANGIO/PTCA      |
| 463 | UNSTABLE | Num  | 8   | 2848 | NY.       | 2.       | EMERGENCY BYPASS SURG, HEMO UNSTABLE DUE TO COR ANGIO/PTCA    |
| 464 | STABLE   | Num  | 8   | 2856 | NY.       | 2.       | EMERGENCY BYPASS SURG, HEMO STABLE DUE TO COR ANGIO/PTCA      |
| 465 | DISSECT  | Num  | 8   | 2864 | NY.       | 2.       | AORTIC DISSECTION DUE TO COR ANGIO/PTCA                       |
| 466 | TAMPON   | Num  | 8   | 2872 | NY.       | 2.       | PERICARDIAL TAMPONADE DUE TO COR ANGIO/PTCA                   |
| 467 | f5admitd | Char | 10  | 7033 |           |          | FORM 5 ADMIT DATE                                             |
| 468 | f5rhcath | Num  | 8   | 2880 |           |          | FORM 5 SG CATH - NEAR RAND                                    |
| 469 | f5dischd | Char | 10  | 7043 |           |          | FORM 5 DISCHARGE DATE                                         |
| 470 | DEATH_DT | Char | 10  | 7053 | 10.       | 10.      | DEATH DATE                                                    |
| 471 | CAUSE_D  | Num  | 8   | 2888 | CAUSE_D.  | 2.       | CAUSE OF DEATH                                                |
| 472 | CARDTYPE | Num  | 8   | 2896 | CARDTYPE. | 2.       | TYPE OF CARDIAC CAUSE OF DEATH                                |
| 473 | CAUSPEC  | Char | 25  | 7063 | 25.       | 25.      | CAUSE OF DEATH, SPECIFY                                       |
| 474 | ERVNPTCA | Num  | 8   | 2904 | ERVNPTCA. | 2.       | ERV PATIENTS - REASON NO PTCA/CABG WITHIN TIME WINDOW         |
| 475 | SPECNOPC | Char | 25  | 7088 | 25.       | 25.      | SPECIFY REASON FOR NO PTCA                                    |
| 476 | IMSARM   | Num  | 8   | 2912 | 2.        | 2.       | RAND TO IMS ARM                                               |
| 477 | IMSANGIO | Num  | 8   | 2920 | 2.        | 2.       | IMS - REASON FOR COR ANGIO                                    |
| 478 | ANGISPEC | Char | 25  | 7113 | 25.       | 25.      | IMS - REASON FOR COR ANGIO, SPECIFY                           |
| 479 | ANG_CABG | Num  | 8   | 2928 | 2.        | 2.       | IMS - REASON PTCA AND/OR CABG NOT ATTEMPTED                   |
| 480 | NOINDICA | Num  | 8   | 2936 | 2.        | 2.       | IMS - REASON NOT INDICATED FOR PTCA AND/OR CABG NOT ATTEMPTED |
| 481 | NOIND_SP | Char | 30  | 7138 | 30.       | 30.      | IMS - SPECIFY REASON PTCA AND/OR CABG NOT ATTEMPTED           |
| 482 | RECORD_D | Char | 10  | 7168 | 10.       | 10.      | HEMO AT RAND DATE                                             |
| 483 | RECORD_T | Char | 5   | 7178 | 5.        | 5.       | HEMO AT RAND TIME                                             |
| 484 | REC_AMPM | Num  | 8   | 2944 | 2.        | 2.       | HEMO AT RAND AM/PM                                            |
| 485 | PCWP     | Num  | 8   | 2952 | 3.        | 3.       | PCWP NEAR RAND                                                |
| 486 | PAD_USED | Num  | 8   | 2960 | 2.        | 2.       | PAD INSTEAD OF PCWP AT RAND                                   |
| 487 | CARDOUT  | Num  | 8   | 2968 | 5.2       | 5.2      | CO NEAR RAND                                                  |
| 488 | SG_CI    | Num  | 8   | 2976 | 4.2       | 4.2      | CI NEAR RAND                                                  |
| 489 | FICKUSED | Num  | 8   | 2984 | 2.        | 2.       | FICK CALCULATED CI INSTEAD OF THERMODILUTION CI AT RAND       |
| 490 | SG_SBP   | Num  | 8   | 2992 | 3.        | 3.       | SBP NEAR RAND                                                 |
| 491 | SG_DBP   | Num  | 8   | 3000 | 3.        | 3.       | DBP NEAR RAND                                                 |
| 492 | SG_HEART | Num  | 8   | 3008 | 3.        | 3.       | HR NEAR RAND                                                  |
| 493 | ART_UNIT | Num  | 8   | 3016 | 2.        | 2.       | ART LAC - UNITS, SPECIFY AT RAND                              |
| 494 | ART_SPEC | Char | 25  | 7183 | 25.       | 25.      | ART LAC - UNITS AT RAND                                       |
| 495 | IABP     | Num  | 8   | 3024 | 2.        | 2.       | IABP ON AT RAND                                               |
| 496 | DOPAM    | Num  | 8   | 3032 | 2.        | 2.       | DOPAMINE AT RAND                                              |
| 497 | DOBUT    | Num  | 8   | 3040 | 2.        | 2.       | DOBUTAMINE AT RAND                                            |
| 498 | MILR_AMR | Num  | 8   | 3048 | 2.        | 2.       | MILRINONE/AMRINONE AT RAND                                    |
| 499 | NOREP    | Num  | 8   | 3056 | 2.        | 2.       | NOREPINEHPRINE AT RAND                                        |
| 500 | VASOD    | Num  | 8   | 3064 | 2.        | 2.       | VASODILATORS AT RAND                                          |
| 501 | OTH_MED  | Num  | 8   | 3072 | 2.        | 2.       | OTHER MED AT RAND                                             |
| 502 | MED_SPEC | Char | 25  | 7208 | 25.       | 25.      | SPECIFY OTHER MED AT RAND                                     |
| 503 | IA_BALLN | Num  | 8   | 3080 | 2.        | 2.       | IABP INSERTED                                                 |
| 504 | IAREASON | Num  | 8   | 3088 | 2.        | 2.       | REASON FOR IABP INSERTION                                     |
| 505 | IA_SPEC  | Char | 25  | 7233 | 25.       | 25.      | SPECIFY REASON FOR IABP INSERTION                             |
| 506 | HEMODYNA | Num  | 8   | 3096 | 2.        | 2.       | 6 HR HEMO DONE                                                |
| 507 | HEMREASN | Num  | 8   | 3104 | 2.        | 2.       | REASON FOR NO 6 HR HEMO                                       |
| 508 | HEM_SPEC | Char | 25  | 7258 | 25.       | 25.      | SPECIFY REASON FOR NO 6 HR HEMO                               |
| 509 | HEM_DATE | Char | 10  | 7283 | 10.       | 10.      | 6 HR HEMO DATE                                                |

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| # Variable   | Type | Len | Pos  | Format | Informat | Label                                                        |
|--------------|------|-----|------|--------|----------|--------------------------------------------------------------|
| 510 HEM_TIME | Char | 5   | 7293 | 5.     | 5.       | 6 HR HEMO TIME                                               |
| 511 HEM_AMPM | Num  | 8   | 3112 | 2.     | 2.       | 6 HR HEMO AM/PM                                              |
| 512 H_MRAP   | Num  | 8   | 3120 | 3.     | 3.       | MEAN RIGHT ARTERIAL PRESSURE AT 6 HR HEMO                    |
| 513 H_RVSP   | Num  | 8   | 3128 | 3.     | 3.       | RIGHT VENTRICULAR SYSTOLIC PRESSURE AT 6 HR HEMO             |
| 514 H_RVDBP  | Num  | 8   | 3136 | 3.     | 3.       | RIGHT VENTRICULAR DIASTOLIC PRESSURE AT 6 HR HEMO            |
| 515 H_PASBP  | Num  | 8   | 3144 | 3.     | 3.       | PULM ARTERIAL SYSTOLIC PRESSURE AT 6 HR HEMO                 |
| 516 H_PADBP  | Num  | 8   | 3152 | 3.     | 3.       | PULM ARTERIAL DIASTOLIC PRESSURE AT 6 HR HEMO                |
| 517 H_MPCWP  | Num  | 8   | 3160 | 3.     | 3.       | PCWP AT 6 HR HEMO                                            |
| 518 H_PAD    | Num  | 8   | 3168 | 2.     | 2.       | PAD INSTEAD OF PCWP AT 6 HR HEMO                             |
| 519 H_CARDIC | Num  | 8   | 3176 | 4.1    | 4.1      | CARDIAC OUTPUT AT 6 HR HEMO                                  |
| 520 H_C_IDX  | Num  | 8   | 3184 | 4.2    | 4.2      | CARDIAC OUTPUT AT 6 HR HEMO                                  |
| 521 H_FICK   | Num  | 8   | 3192 | 2.     | 2.       | FICK CALCULATED CI INSTEAD OF THERMODILUTION CI AT 6 HR HEMO |
| 522 H_SBP    | Num  | 8   | 3200 | 3.     | 3.       | SYSTEMIC SBP AT 6 HR HEMO                                    |
| 523 H_DBP    | Num  | 8   | 3208 | 3.     | 3.       | SYSTEMIC DBP AT 6 HR HEMO                                    |
| 524 H_HEART  | Num  | 8   | 3216 | 3.     | 3.       | SYSTEMIC HEART RATE AT 6 HR HEMO                             |
| 525 H_SVR    | Num  | 8   | 3224 | 7.2    | 7.2      | SVR AT 6 HR HEMO                                             |
| 526 H_AVODIF | Num  | 8   | 3232 | 6.2    | 6.2      | (A-V)O2 DIFF AT 6 HR HEMO                                    |
| 527 H_ARTLAC | Num  | 8   | 3240 | 5.2    | 5.2      | ARTERIAL LACTATE AT 6 HR HEMO                                |
| 528 H_ALUNIT | Num  | 8   | 3248 | 2.     | 2.       | ART LAC - UNITS, SPECIFY AT 6 HR HEMO                        |
| 529 H_UNTSPC | Char | 25  | 7298 | 25.    | 25.      | ART LAC - UNITS AT 6 HR HEMO                                 |
| 530 H_IABP   | Num  | 8   | 3256 | 2.     | 2.       | IABP ON AT 6 HR HEMO                                         |
| 531 H_DOPA   | Num  | 8   | 3264 | 2.     | 2.       | DOPAMINE AT 6 HR HEMO                                        |
| 532 H_DOBUT  | Num  | 8   | 3272 | 2.     | 2.       | DOBUTAMINE AT 6 HR HEMO                                      |
| 533 H_MILRAM | Num  | 8   | 3280 | 2.     | 2.       | MILRINONE/AMRINONE AT 6 HR HEMO                              |
| 534 H_NOREP  | Num  | 8   | 3288 | 2.     | 2.       | NOREPINEPHRINE AT 6 HR HEMO                                  |
| 535 H_VASOD  | Num  | 8   | 3296 | 2.     | 2.       | VASODILATOR AT 6 HR HEMO                                     |
| 536 ECHO1    | Num  | 8   | 3304 | 2.     | 2.       | EARLY ECHO                                                   |
| 537 NO_ECHO1 | Char | 25  | 7323 | 25.    | 25.      | REASON FOR NO EARLY ECHO                                     |
| 538 ECHO1_DT | Char | 10  | 7348 | 10.    | 10.      | EARLY ECHO DATE                                              |
| 539 ECHO1_T  | Char | 5   | 7358 | 5.     | 5.       | EARLY ECHO TIME                                              |
| 540 ECHO1_AP | Num  | 8   | 3312 | 2.     | 2.       | EARLY ECHO AM/PM                                             |
| 541 ECHO1SBP | Num  | 8   | 3320 | 3.     | 3.       | SBP AT EARLY ECHO                                            |
| 542 ECHO1DBP | Num  | 8   | 3328 | 3.     | 3.       | DBP AT EARLY ECHO                                            |
| 543 E1_IABP  | Num  | 8   | 3336 | 2.     | 2.       | IABP ON AT EARLY ECHO                                        |
| 544 E1_DOPA  | Num  | 8   | 3344 | 2.     | 2.       | DOPAMINE AT EARLY ECHO                                       |
| 545 E1_DOBUT | Num  | 8   | 3352 | 2.     | 2.       | DOBUTAMINE AT EARLY ECHO                                     |
| 546 E1_MILR  | Num  | 8   | 3360 | 2.     | 2.       | MILRINONE/AMRINONE AT EARLY ECHO                             |
| 547 E1_NOREP | Num  | 8   | 3368 | 2.     | 2.       | NOREPINEPHRINE AT EARLY ECHO                                 |
| 548 E1_VASOD | Num  | 8   | 3376 | 2.     | 2.       | VASODILATOR AT EARLY ECHO                                    |
| 549 ECHO2    | Num  | 8   | 3384 | 2.     | 2.       | LATE ECHO                                                    |
| 550 NO_ECHO2 | Num  | 8   | 3392 | 2.     | 2.       | REASON FOR NO LATE ECHO                                      |
| 551 NOE2SPEC | Char | 25  | 7363 | 25.    | 25.      | SPECIFY REASON FOR NO LATE ECHO                              |
| 552 ECHO2_DT | Char | 10  | 7388 | 10.    | 10.      | LATE ECHO DATE                                               |
| 553 E2SBP    | Num  | 8   | 3400 | 3.     | 3.       | SBP AT LATE ECHO                                             |
| 554 E2DBP    | Num  | 8   | 3408 | 3.     | 3.       | DBP AT LATE ECHO                                             |
| 555 CATH_E2  | Num  | 8   | 3416 | 2.     | 2.       | SWAN-GANZ CATHETER IN PLACE AT LATE ECHO                     |
| 556 E2_MPCWP | Num  | 8   | 3424 | 3.     | 3.       | MPCWP AT LATE ECHO                                           |
| 557 E2_IABP  | Num  | 8   | 3432 | 2.     | 2.       | IABP ON AT LATE ECHO                                         |
| 558 E2_DOPA  | Num  | 8   | 3440 | 2.     | 2.       | DOPAMINE AT LATE ECHO                                        |
| 559 E2_DOBUT | Num  | 8   | 3448 | 2.     | 2.       | DOBUTAMINE AT LATE ECHO                                      |
| 560 E2_MILR  | Num  | 8   | 3456 | 2.     | 2.       | MILRINONE/AMRINONE AT LATE ECHO                              |
| 561 E2_NOREP | Num  | 8   | 3464 | 2.     | 2.       | NOREPINEPHRINE AT LATE ECHO                                  |
| 562 E2_VASOD | Num  | 8   | 3472 | 2.     | 2.       | VASODILATOR AT LATE ECHO                                     |
| 563 CARDTRAN | Num  | 8   | 3480 | 2.     | 2.       | CARDIAC TRANSPLANT PERFORMED                                 |
| 564 TRANSP_D | Char | 10  | 7398 | 10.    | 10.      | CARDIAC TRANSPLANT DATE                                      |
| 565 F1TYPEDY | Num  | 8   | 3488 | 2.     | 2.       | FILM 1 TYPE OF DYE FOR ANGIOGRAMS/ANGIOPLASTY                |
| 566 F1TYPSPC | Char | 25  | 7408 | 25.    | 25.      | SPECIFY FILM 1 TYPE OF DYE FOR ANGIOGRAMS/ANGIOPLASTY        |

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| # Variable   | Type | Len | Pos  | Format | Informat | Label                                                                |
|--------------|------|-----|------|--------|----------|----------------------------------------------------------------------|
| 567 F2TYPEDY | Num  | 8   | 3496 | 2.     | 2.       | FILM 2 TYPE OF DYE FOR ANGIOGRAMS/ANGIOPLASTY                        |
| 568 F2TYPSPC | Char | 25  | 7433 | 25.    | 25.      | SPECIFY FILM 2 TYPE OF DYE FOR ANGIOGRAMS/ANGIOPLASTY                |
| 569 F1CATH_S | Num  | 8   | 3504 | 4.1    | 4.1      | FIRST COR ANGIO CATHETER SIZE                                        |
| 570 F2CATH_S | Num  | 8   | 3512 | 4.1    | 4.1      | SECOND COR ANGIO CATHETER SIZE                                       |
| 571 F3CATHS  | Num  | 8   | 3520 | 4.1    | 4.1      | THIRD COR ANGIO CATHETER SIZE                                        |
| 572 MI1_DATE | Char | 10  | 7458 | 10.    | 10.      | MI 1 DATE                                                            |
| 573 MI1_TIME | Char | 5   | 7468 | 5.     | 5.       | MI 1 TIME                                                            |
| 574 MI1_AMPM | Num  | 8   | 3528 | 2.     | 2.       | MI 1 AM/PM                                                           |
| 575 MI1SHOCK | Num  | 8   | 3536 | 2.     | 2.       | MI 1 CAUSED SHOCK                                                    |
| 576 MI1_ANTR | Num  | 8   | 3544 | 2.     | 2.       | MI 1 LOCATION - ANTERIOR                                             |
| 577 MI1_INFR | Num  | 8   | 3552 | 2.     | 2.       | MI 1 LOCATION - INFERIOR                                             |
| 578 MI1_POST | Num  | 8   | 3560 | 2.     | 2.       | MI 1 LOCATION - POSTERIOR                                            |
| 579 MI1_LATR | Num  | 8   | 3568 | 2.     | 2.       | MI 1 LOCATION - LATERAL                                              |
| 580 MI1_APIC | Num  | 8   | 3576 | 2.     | 2.       | MI 1 LOCATION - APICAL                                               |
| 581 MI1THROM | Num  | 8   | 3584 | 2.     | 2.       | THROMBOLYTIC DURING MI 1                                             |
| 582 MI2      | Num  | 8   | 3592 | 2.     | 2.       | SECOND MI                                                            |
| 583 MI2_DATE | Char | 10  | 7473 | 10.    | 10.      | MI 2 DATE                                                            |
| 584 MI2_TIME | Char | 5   | 7483 | 5.     | 5.       | MI 2 TIME                                                            |
| 585 MI2_AMPM | Num  | 8   | 3600 | 2.     | 2.       | MI 2 AM/PM                                                           |
| 586 MI2SHOCK | Num  | 8   | 3608 | 2.     | 2.       | MI 2 CAUSED SHOCK                                                    |
| 587 MI2_ANTR | Num  | 8   | 3616 | 2.     | 2.       | MI 2 LOCATION - ANTERIOR                                             |
| 588 MI2_INFR | Num  | 8   | 3624 | 2.     | 2.       | MI 2 LOCATION - INFERIOR                                             |
| 589 MI2_POST | Num  | 8   | 3632 | 2.     | 2.       | MI 2 LOCATION - POSTERIOR                                            |
| 590 MI2_LATR | Num  | 8   | 3640 | 2.     | 2.       | MI 2 LOCATION - LATERAL                                              |
| 591 MI2_APIC | Num  | 8   | 3648 | 2.     | 2.       | MI 2 LOCATION - APICAL                                               |
| 592 MI2THROM | Num  | 8   | 3656 | 2.     | 2.       | THROMBOLYTIC DURING MI 2                                             |
| 593 MI3      | Num  | 8   | 3664 | 2.     | 2.       | THIRD MI                                                             |
| 594 MI3_DATE | Char | 10  | 7488 | 10.    | 10.      | MI 3 DATE                                                            |
| 595 MI3_TIME | Char | 5   | 7498 | 5.     | 5.       | MI 3 TIME                                                            |
| 596 MI3_AMPM | Num  | 8   | 3672 | 2.     | 2.       | MI 3 AM/PM                                                           |
| 597 MI3SHOCK | Num  | 8   | 3680 | 2.     | 2.       | MI 3 CAUSED SHOCK                                                    |
| 598 MI3_ANTR | Num  | 8   | 3688 | 2.     | 2.       | MI 3 LOCATION - ANTERIOR                                             |
| 599 MI3_INFR | Num  | 8   | 3696 | 2.     | 2.       | MI 3 LOCATION - INFERIOR                                             |
| 600 MI3_POST | Num  | 8   | 3704 | 2.     | 2.       | MI 3 LOCATION - POSTERIOR                                            |
| 601 MI3_LATR | Num  | 8   | 3712 | 2.     | 2.       | MI 3 LOCATION - LATERAL                                              |
| 602 MI3_APIC | Num  | 8   | 3720 | 2.     | 2.       | MI 3 LOCATION - APICAL                                               |
| 603 MI3THROM | Num  | 8   | 3728 | 2.     | 2.       | THROMBOLYTIC DURING MI 3                                             |
| 604 ASPIRIND | Num  | 8   | 3736 | 2.     | 2.       | ASPIRIN DURING HOSP                                                  |
| 605 CPR      | Num  | 8   | 3744 | NY.    | 2.       | CPR PRIOR TO RAND                                                    |
| 606 V_FIB    | Num  | 8   | 3752 | 2.     | 2.       | VENT FIBRILLATION/SUSTAINED VENTRICULAR<br>TACHYCARDIA PRIOR TO RAND |
| 607 HEMOR_D  | Char | 10  | 7503 | 10.    | 10.      | SEVERE HEMORRHAGE DATE                                               |
| 608 HEMOR_T  | Char | 5   | 7513 | 5.     | 5.       | SEVERE HEMORRHAGE TIME                                               |
| 609 HEMOR_AP | Num  | 8   | 3760 | 2.     | 2.       | SEVERE HEMORRHAGE AM/PM                                              |
| 610 HEM_UNTS | Num  | 8   | 3768 | 2.     | 2.       | UNITS OF RBC TRANSFUSION FOR SEVERE HEMORRHAGE                       |
| 611 BLD_SP   | Char | 30  | 7518 | 30.    | 30.      | SPECIFY OTHER CAUSE OF BLEEDING                                      |
| 612 IHEMOR_D | Char | 10  | 7548 | 10.    | 10.      | INTRACRANIAL HEMORRHAGE DATE                                         |
| 613 IHEMOR_T | Char | 5   | 7558 | 5.     | 5.       | INTRACRANIAL HEMORRHAGE TIME                                         |
| 614 IHEM_AP  | Num  | 8   | 3776 | 2.     | 2.       | INTRACRANIAL HEMORRHAGE                                              |
| 615 TRANSF_D | Char | 10  | 7563 | 10.    | 10.      | OTHER HEMORRHAGE DATE                                                |
| 616 TRANSF_T | Char | 5   | 7573 | 5.     | 5.       | OTHER HEMORRHAGE TIME                                                |
| 617 TRANF_AP | Num  | 8   | 3784 | 2.     | 2.       | OTHER HEMORRHAGE AM/PM                                               |
| 618 TRANFRBC | Num  | 8   | 3792 | 2.     | 2.       | UNITS OF RBC TRANSFUSION FOR OTHER HEMORRHAGE                        |
| 619 CVA_DATE | Char | 10  | 7578 | 10.    | 10.      | OTHER CVA DATE                                                       |
| 620 CVA_TIME | Char | 5   | 7588 | 5.     | 5.       | OTHER CVA TIME                                                       |
| 621 CVA_AMPM | Num  | 8   | 3800 | 2.     | 2.       | OTHER CVA AM/PM                                                      |
| 622 SEPSIS_D | Char | 10  | 7593 | 10.    | 10.      | SEPSIS DATE                                                          |

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| # Variable   | Type | Len | Pos  | Format | Informat | Label                                                                            |
|--------------|------|-----|------|--------|----------|----------------------------------------------------------------------------------|
| 623 SEPSIS_T | Char | 5   | 7603 | 5.     | 5.       | SEPSIS TIME                                                                      |
| 624 SEPS_AP  | Num  | 8   | 3808 | 2.     | 2.       | SEPSIS AM/PM                                                                     |
| 625 ARFAIL_D | Char | 10  | 7608 | 10.    | 10.      | ACUTE RENAL FAILURE DATE                                                         |
| 626 ARFAIL_T | Char | 5   | 7618 | 5.     | 5.       | ACUTE RENAL FAILURE TIME                                                         |
| 627 ARFAILAP | Num  | 8   | 3816 | 2.     | 2.       | ACUTE RENAL FAILURE AM/PM                                                        |
| 628 RFAIL_D  | Char | 10  | 7623 | 10.    | 10.      | RENAL FAILURE DATE                                                               |
| 629 RFAIL_T  | Char | 5   | 7633 | 5.     | 5.       | RENAL FAILURE TIME                                                               |
| 630 RFAIL_AP | Num  | 8   | 3824 | 2.     | 2.       | RENAL FAILURE AM/PM                                                              |
| 631 CHR_DIAL | Num  | 8   | 3832 | 2.     | 2.       | NEWLY REQUIRED CHRONIC DIALYSIS                                                  |
| 632 OCCLUS_D | Char | 10  | 7638 | 10.    | 10.      | PERIPHERAL VASCULAR OCCLUSION DATE                                               |
| 633 OCCLUS_T | Char | 5   | 7648 | 5.     | 5.       | PERIPHERAL VASCULAR OCCLUSION TIME                                               |
| 634 OCC_AMPM | Num  | 8   | 3840 | 2.     | 2.       | PERIPHERAL VASCULAR OCCLUSION AM/PM                                              |
| 635 OCCL_ACT | Num  | 8   | 3848 | 2.     | 2.       | ACTION FOR PERIPHERAL VASCULAR OCCLUSION                                         |
| 636 OCACT_SP | Char | 30  | 7653 | 30.    | 30.      | SPECIFY ACTION FOR PERIPHERAL VASCULAR OCCLUSION                                 |
| 637 PVOC_D   | Char | 10  | 7683 | 10.    | 10.      | OTHER PERIPHERAL VASCULAR OCCLUSION DATE                                         |
| 638 PVOC_T   | Char | 5   | 7693 | 5.     | 5.       | OTHER PERIPHERAL VASCULAR OCCLUSION TIME                                         |
| 639 PVOC_AP  | Num  | 8   | 3856 | 2.     | 2.       | OTHER PERIPHERAL VASCULAR OCCLUSION AM/PM                                        |
| 640 CTAMPON  | Num  | 8   | 3864 | NY.    | 2.       | CARDIAC TAMPONADE                                                                |
| 641 CTAMP_D  | Char | 10  | 7698 | 10.    | 10.      | CARDIAC TAMPONADE DATE                                                           |
| 642 CTAMP_T  | Char | 5   | 7708 | 5.     | 5.       | CARDIAC TAMPONADE TIME                                                           |
| 643 CTAMP_AP | Num  | 8   | 3872 | 2.     | 2.       | CARDIAC TAMPONADE AM/PM                                                          |
| 644 RANG1_D  | Char | 10  | 7713 | 10.    | 10.      | REFRACTORY ANGINA DATE                                                           |
| 645 RANG_T   | Char | 5   | 7723 | 5.     | 5.       | REFRACTORY ANGINA TIME                                                           |
| 646 RANG1_AP | Num  | 8   | 3880 | 2.     | 2.       | REFRACTORY ANGINA AM/PM                                                          |
| 647 NEW_MECH | Num  | 8   | 3888 | NY.    | 2.       | NEW MECHANICAL COMPLICATION                                                      |
| 648 SYSFLOW  | Num  | 8   | 3896 | 4.1    | 4.1      | NEW VSD COMPLICATION - PULMONARY TO SYSTEMIC FLOW RATIO                          |
| 649 C_RBCS   | Num  | 8   | 3904 | 2.     | 2.       | CATH LAB COMP - NUMBER OF RBC UNITS                                              |
| 650 PVOC_ACT | Num  | 8   | 3912 | 2.     | 2.       | ACTION FOR PERIPHERAL VASCULAR OCCLUSION/COMPLICATION<br>DUE TO CATH LAB         |
| 651 PVOCACTS | Char | 25  | 7728 | 25.    | 25.      | SPECIFY ACTION FOR PERIPHERAL VASCULAR<br>OCCLUSION/COMPLICATION DUE TO CATH LAB |
| 652 OTDEVICE | Num  | 8   | 3920 | 2.     | 2.       | OTHER INTERVENTIONAL DEVICES                                                     |
| 653 DEVICE1  | Char | 25  | 7753 | 25.    | 25.      | OTHER INTERVENTIONAL DEVICE 1                                                    |
| 654 TIMING1  | Num  | 8   | 3928 | 2.     | 2.       | OTHER INTERVENTIONAL DEVICE TIMING 1                                             |
| 655 DEVICE2  | Char | 25  | 7778 | 25.    | 25.      | OTHER INTERVENTIONAL DEVICE 2                                                    |
| 656 TIMING2  | Num  | 8   | 3936 | 2.     | 2.       | OTHER INTERVENTIONAL DEVICE TIMING 2                                             |
| 657 DEVICE3  | Char | 25  | 7803 | 25.    | 25.      | OTHER INTERVENTIONAL DEVICE 3                                                    |
| 658 TIMING3  | Num  | 8   | 3944 | 2.     | 2.       | OTHER INTERVENTIONAL DEVICE TIMING 3                                             |
| 659 DEVICE4  | Char | 25  | 7828 | 25.    | 25.      | OTHER INTERVENTIONAL DEVICE 4                                                    |
| 660 TIMING4  | Num  | 8   | 3952 | 2.     | 2.       | OTHER INTERVENTIONAL DEVICE TIMING 4                                             |
| 661 COMMENTS | Char | 75  | 7853 | 75.    | 75.      | FORM 5 - OTHER COMMENTS WHICH FURTHER<br>EXPLAIN PATIENTS CONDITION              |
| 662 HEMOD_24 | Num  | 8   | 3960 | 2.     | 2.       | 24 HR HEMO DONE                                                                  |
| 663 NOSWAN24 | Num  | 8   | 3968 | 2.     | 2.       | REASON FOR NO 24 HR HEMO                                                         |
| 664 NO240TH  | Char | 25  | 7928 | 25.    | 25.      | SPECIFY REASON FOR NO 24 HR HEMO                                                 |
| 665 H24_DATE | Char | 10  | 7953 | 10.    | 10.      | 24 HR HEMO DATE                                                                  |
| 666 H24_TIME | Char | 5   | 7963 | 5.     | 5.       | 24 HR HEMO TIME                                                                  |
| 667 H24_AMPM | Num  | 8   | 3976 | 2.     | 2.       | 24 HR HEMO AM/PM                                                                 |
| 668 H24_42C  | Num  | 8   | 3984 | 3.     | 3.       | MEAN RIGHT ARTERIAL PRESSURE AT 24 HR HEMO                                       |
| 669 H24_42D  | Num  | 8   | 3992 | 3.     | 3.       | RIGHT VENTRICULAR SYSTOLIC PRESSURE AT 24 HR HEMO                                |
| 670 H24_42E  | Num  | 8   | 4000 | 3.     | 3.       | RIGHT VENTRICULAR DIASTOLIC PRESSURE AT 24 HR HEMO                               |
| 671 H24_42F  | Num  | 8   | 4008 | 3.     | 3.       | PULM ARTERIAL SYSTOLIC PRESSURE AT 24 HR HEMO                                    |
| 672 H24_42G  | Num  | 8   | 4016 | 3.     | 3.       | PULM ARTERIAL DIASTOLIC PRESSURE AT 24 HR HEMO                                   |
| 673 H24_42H1 | Num  | 8   | 4024 | 3.     | 3.       | PCWP AT 24 HR HEMO                                                               |
| 674 H24_42H2 | Num  | 8   | 4032 | 2.     | 2.       | PAD INSTEAD OF PCWP AT 24 HR HEMO                                                |
| 675 H24_42I  | Num  | 8   | 4040 | 5.2    | 5.2      | CARDIAC OUTPUT AT 24 HR HEMO                                                     |
| 676 H24_42J1 | Num  | 8   | 4048 | 4.2    | 4.2      | CARDIAC OUTPUT AT 24 HR HEMO                                                     |

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| # Variable    | Type | Len | Pos  | Format | Informat | Label                                                         |
|---------------|------|-----|------|--------|----------|---------------------------------------------------------------|
| 677 H24_42J2  | Num  | 8   | 4056 | 2.     | 2.       | FICK CALCULATED CI INSTEAD OF THERMODILUTION CI AT 24 HR HEMO |
| 678 H24_42K   | Num  | 8   | 4064 | 3.     | 3.       | SYSTEMIC SBP AT 24 HR HEMO                                    |
| 679 H24_42L   | Num  | 8   | 4072 | 3.     | 3.       | SYSTEMIC DBP AT 24 HR HEMO                                    |
| 680 H24_42M   | Num  | 8   | 4080 | 3.     | 3.       | SYSTEMIC HEART RATE AT 24 HR HEMO                             |
| 681 H24_42N   | Num  | 8   | 4088 | 7.2    | 7.2      | SVR AT 24 HR HEMO                                             |
| 682 H24_42O   | Num  | 8   | 4096 | 5.2    | 5.2      | (A-V)O2 DIFF AT 24 HR HEMO                                    |
| 683 H24_42P   | Num  | 8   | 4104 | 4.1    | 4.1      | ARTERIAL LACTATE AT 24 HR HEMO                                |
| 684 H24_42P1  | Num  | 8   | 4112 | 2.     | 2.       | ART LAC - UNITS, SPECIFY AT 24 HR HEMO                        |
| 685 H24_42P2  | Char | 25  | 7968 | 25.    | 25.      | ART LAC - UNITS AT 24 HR HEMO                                 |
| 686 IABP_24   | Num  | 8   | 4120 | 2.     | 2.       | IABP ON AT 24-HR HEMO                                         |
| 687 DOPA_24   | Num  | 8   | 4128 | 2.     | 2.       | DOPAMINE AT 24-HR HEMO                                        |
| 688 DOBUT_24  | Num  | 8   | 4136 | 2.     | 2.       | DOBUTAMINE AT 24-HR HEMO                                      |
| 689 MILRI_24  | Num  | 8   | 4144 | 2.     | 2.       | MILRINONR/AMRINONE AT 24-HR HEMO                              |
| 690 NOREP_24  | Num  | 8   | 4152 | 2.     | 2.       | NOREPINEPHRINE AT 24-HR HEMO                                  |
| 691 VASOD_24  | Num  | 8   | 4160 | 2.     | 2.       | VASODILATOR AT 24-HR HEMO                                     |
| 692 NUMANGIO  | Num  | 8   | 4168 | 2.     | 2.       | NUMBER ANGIOGRAMS PERFORMED                                   |
| 693 NUMPTCAS  | Num  | 8   | 4176 | 2.     | 2.       | NUMBER PTCAS PERFORMED/ATTEMPTED                              |
| 694 PTCA1GUI  | Num  | 8   | 4184 | 4.1    | 4.1      | PTCA 1 GUILDING CATHETER SIZE                                 |
| 695 PTCA1B_1  | Num  | 8   | 4192 | 4.1    | 4.1      | PTCA 1 BALLOON SIZE, 1ST                                      |
| 696 PTCA1B_2  | Num  | 8   | 4200 | 4.1    | 4.1      | PTCA 1 BALLOON SIZE, 2ND                                      |
| 697 PTCA2GUI  | Num  | 8   | 4208 | 4.1    | 4.1      | PTCA 2 GUILDING CATHETER SIZE                                 |
| 698 PTCA2B_1  | Num  | 8   | 4216 | 4.1    | 4.1      | PTCA 2 BALLOON SIZE, 1ST                                      |
| 699 PTCA2B_2  | Num  | 8   | 4224 | 4.1    | 4.1      | PTCA 2 BALLOON SIZE, 2ND                                      |
| 700 PTCA3GUI  | Num  | 8   | 4232 | 4.1    | 4.1      | PTCA 3 GUILDING CATHETER SIZE                                 |
| 701 PTCA3B_1  | Num  | 8   | 4240 | 4.1    | 4.1      | PTCA 3 BALLOON SIZE, 1ST                                      |
| 702 PTCA3B_2  | Num  | 8   | 4248 | 4.1    | 4.1      | PTCA 3 BALLOON SIZE, 2ND                                      |
| 703 TYP_SYMP  | Num  | 8   | 4256 | 2.     | 2.       | MI CAUSING CS CONFIMRED BY TYPICL SYMPTOMS                    |
| 704 DIAG_EKG  | Num  | 8   | 4264 | 2.     | 2.       | DIAGNOSTIC EKG CHANGES                                        |
| 705 POS_ENZY  | Num  | 8   | 4272 | 2.     | 2.       | POSITIVE CARDIAC ENZYMES                                      |
| 706 INVJUDGE  | Num  | 8   | 4280 | 2.     | 2.       | MI CONFIRMED PER INVESTIGATOR                                 |
| 707 AMIODARN  | Num  | 8   | 4288 | 2.     | 2.       | AMIODARONE DURING HOSP                                        |
| 708 ABCIXIMB  | Num  | 8   | 4296 | 2.     | 2.       | ABCIXIMAB(REOPRO) DURING HOSP                                 |
| 709 OTHGPIIB  | Num  | 8   | 4304 | 2.     | 2.       | OTHER GPIIBIIIA ANTAGONIST TAKEN DURING HOSP                  |
| 710 OTHGP_SP  | Char | 45  | 7993 | 45.    | 45.      | SPECIFY OTHER GPIIBIIIA ANTAGONIST TAKEN DURING HOSP          |
| 711 ACEINHIB  | Num  | 8   | 4312 | 2.     | 2.       | ACE INHIBITORS DURING HOSP                                    |
| 712 DUR_ANGI  | Num  | 8   | 4320 | 2.     | 2.       | DURATION OF REFRACTORY ANGINA                                 |
| 713 DIS_VESL  | Num  | 8   | 4328 | 2.     | 2.       | NUMBER OF DISEASED VESSELS                                    |
| 714 JEOPARDY  | Num  | 8   | 4336 | 2.     | 2.       | JEOPARDY SCORE - CATH LAB                                     |
| 715 DIA_OBST  | Num  | 8   | 4344 | 3.     | 3.       | LEFT MAIN DIAMETER % OBSTRUCTION                              |
| 716 CABGPERF  | Num  | 8   | 4352 | 2.     | 2.       | CABG PERFORMED (FORM 8A)                                      |
| 717 EJECEFRAC | Num  | 8   | 4360 | 2.     | 2.       | LEFT VENTRICULAR EJECTION FRACTION - CATH LAB                 |
| 718 CULP_VES  | Num  | 8   | 4368 | 2.     | 2.       | CULPRIT VESSEL - CATH LAB                                     |
| 719 leftmain  | Num  | 8   | 4376 | NY.    |          | LEFT MAIN STENOSIS >=50%                                      |
| 720 surv6mo   | Num  | 8   | 4384 | VITAL. |          | VITAL STATUS 6 MONTHS POST-RAND                               |
| 721 surv12mo  | Num  | 8   | 4392 | VITAL. |          | VITAL STATUS 12 MONTHS POST-RAND                              |
| 722 survd1yr  | Num  | 8   | 4400 |        |          | SURVIVAL UP TO 1 YR POST-RAND                                 |
| 723 cens1yr   | Num  | 8   | 4408 |        |          | CENSOR=1 UP TO 1 YR POST-RAND                                 |
| 724 fms1      | Num  | 8   | 4416 |        |          | PATIENT HAS FORM S1                                           |
| 725 fms3      | Num  | 8   | 4424 |        |          | PATIENT HAS FORM S3                                           |
| 726 fm5       | Num  | 8   | 4432 |        |          | PATIENT HAS FORM 5                                            |
| 727 fm8       | Num  | 8   | 4440 |        |          | PATIENT HAS FORM 8                                            |
| 728 openhrt   | Num  | 8   | 4448 |        |          | OPEN HEART SURGERY                                            |
| 729 center    | Char | 7   | 8038 |        |          | CENTER                                                        |
| 730 transfer  | Num  | 8   | 4456 | NY.    |          | TRANSFER ADMISSION TO INITIAL HOSPITAL                        |
| 731 dbplt50   | Num  | 8   | 4464 | NY.    |          | DBP < 50                                                      |
| 732 dbrlt50   | Num  | 8   | 4472 | NY.    |          | IND VAR FOR RAND DBP < 50                                     |
| 733 db06lt50  | Num  | 8   | 4480 | NY.    |          | IND VAR FOR 6-HR DBP < 50                                     |

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| #   | Variable | Type | Len | Pos  | Format | Informat | Label                                  |
|-----|----------|------|-----|------|--------|----------|----------------------------------------|
| 734 | db241t50 | Num  | 8   | 4488 | NY.    |          | IND VAR FOR 24-HR DBP < 50             |
| 735 | inotrope | Num  | 8   | 4496 | NY.    |          | INOTROPE USE                           |
| 736 | vasopres | Num  | 8   | 4504 | NY.    |          | VASOPRESSOR USE                        |
| 737 | v_tach   | Num  | 8   | 4512 | NY.    |          | VTACH OR VFIB BEFORE RAND              |
| 738 | tampheмо | Num  | 8   | 4520 |        |          | TAMPONAGE HEMODYNAMICS                 |
| 739 | ht_in    | Num  | 8   | 4528 |        |          | HEIGHT (INCHES)                        |
| 740 | wt_lb    | Num  | 8   | 4536 |        |          | WEIGHT (LBS)                           |
| 741 | white    | Num  | 8   | 4544 | NY.    |          | WHITE, NON-HISPANIC                    |
| 742 | intl     | Num  | 8   | 4552 | NY.    |          | INTERNATIONAL CENTER                   |
| 743 | ekgexcl  | Num  | 8   | 4560 | NY.    |          | EKG EXCLUSIONS NOT ON FORM 1           |
| 744 | dob      | Num  | 8   | 4568 |        |          | DATE OF BIRTH                          |
| 745 | midate   | Num  | 8   | 4576 |        |          | MI DATE                                |
| 746 | shdate   | Num  | 8   | 4584 |        |          | SHOCK DATE                             |
| 747 | lhcdte   | Num  | 8   | 4592 |        |          | LH CATH #1 DATE                        |
| 748 | lhc2dte  | Num  | 8   | 4600 |        |          | LH CATH #2 DATE                        |
| 749 | lhc3dte  | Num  | 8   | 4608 |        |          | LH CATH #3 DATE                        |
| 750 | ptcadte  | Num  | 8   | 4616 |        |          | PTCA1 DATE                             |
| 751 | ptca2dte | Num  | 8   | 4624 |        |          | PTCA2 DATE                             |
| 752 | ptca3dte | Num  | 8   | 4632 |        |          | PTCA3 DATE                             |
| 753 | cabgdte  | Num  | 8   | 4640 |        |          | CABG DATE                              |
| 754 | dischd   | Num  | 8   | 4648 |        |          | DISCHARGE DATE                         |
| 755 | f1adm_d  | Num  | 8   | 4656 |        |          | SHOCK HOSP ADMIT DATE                  |
| 756 | f4adm_d  | Num  | 8   | 4664 |        |          | INITIAL ADM DATE                       |
| 757 | iabpdte  | Num  | 8   | 4672 |        |          | IABP DATE                              |
| 758 | lyticdte | Num  | 8   | 4680 |        |          | LYTIC DATE                             |
| 759 | rhcdte   | Num  | 8   | 4688 |        |          | HEMO NEAR SHOCK DATE                   |
| 760 | lvefdte  | Num  | 8   | 4696 |        |          | LVEF NEAR SHOCK DATE                   |
| 761 | rmvdte   | Num  | 8   | 4704 |        |          | IABP REMOVE DATE                       |
| 762 | ventdte  | Num  | 8   | 4712 |        |          | DATE OF VENTILATION                    |
| 763 | cangdte  | Num  | 8   | 4720 |        |          | COR ANGIO DATE (FORM S1)               |
| 764 | tventdte | Num  | 8   | 4728 |        |          | TOTAL VENTED BYPASS DATE               |
| 765 | randte   | Num  | 8   | 4736 |        |          | RAND DATE                              |
| 766 | rhc5dte  | Num  | 8   | 4744 |        |          | HEMO AT RAND DATE                      |
| 767 | hem_dte  | Num  | 8   | 4752 |        |          | NUMERIC DATE FOR 6-HR HEMODYNAMICS     |
| 768 | h24_dte  | Num  | 8   | 4760 |        |          | NUMERIC DATE FOR 24-HR HEMODYNAMICS    |
| 769 | mi_sh    | Num  | 8   | 4768 |        |          | MI TO SHOCK (DAYS)                     |
| 770 | sh_iabp  | Num  | 8   | 4776 |        |          | SHOCK TO IABP (DAYS)                   |
| 771 | mi_lytic | Num  | 8   | 4784 |        |          | MI TO LYTIC (DAYS)                     |
| 772 | mi_pt    | Num  | 8   | 4792 |        |          | MI TO PTCA (DAYS)                      |
| 773 | sh_pt    | Num  | 8   | 4800 |        |          | SHOCK TO PTCA1 (DAYS)                  |
| 774 | sh_pt2   | Num  | 8   | 4808 |        |          | SHOCK TO PTCA2 (DAYS)                  |
| 775 | sh_pt3   | Num  | 8   | 4816 |        |          | SHOCK TO PTCA3 (DAYS)                  |
| 776 | mi_cb    | Num  | 8   | 4824 |        |          | MI TO CABG (DAYS)                      |
| 777 | sh_cb    | Num  | 8   | 4832 |        |          | SHOCK TO CABG (DAYS)                   |
| 778 | sh_lhc   | Num  | 8   | 4840 |        |          | SHOCK TO LH CATH #1 (DAYS)             |
| 779 | sh_lhc2  | Num  | 8   | 4848 |        |          | SHOCK TO LH CATH #2 (DAYS)             |
| 780 | sh_lhc3  | Num  | 8   | 4856 |        |          | SHOCK TO LH CATH #3 (DAYS)             |
| 781 | ad_dis   | Num  | 8   | 4864 |        |          | SHOCK HOSP ADM TO DISCHARGE (DAYS)     |
| 782 | f4ad_sh  | Num  | 8   | 4872 |        |          | INITIAL ADM TO SHOCK (DAYS)            |
| 783 | pt_cb    | Num  | 8   | 4880 |        |          | PTCA TO CABG (DAYS)                    |
| 784 | mi_rhc   | Num  | 8   | 4888 |        |          | MI TO HEMO NEAR SHOCK (DAYS)           |
| 785 | sh_rhc   | Num  | 8   | 4896 |        |          | SHOCK to HEMO NEAR SHOCK (DAYS)        |
| 786 | iabpdur  | Num  | 8   | 4904 |        |          | IABP DURATION (DAYS)                   |
| 787 | sh_vent  | Num  | 8   | 4912 |        |          | SHOCK TO VENTILATION (DAYS)            |
| 788 | sh_rhc5  | Num  | 8   | 4920 |        |          | SHOCK TO HEMO AT RAND (DAYS)           |
| 789 | rhc_rhc5 | Num  | 8   | 4928 |        |          | HEMO NEAR SHOCK TO HEMO AT RAND (DAYS) |
| 790 | sh_rand  | Num  | 8   | 4936 |        |          | SHOCK TO RAND (DAY)                    |

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-----Variables Ordered by Position-----

| # Variable   | Type | Len | Pos  | Format | Informat | Label                                     |
|--------------|------|-----|------|--------|----------|-------------------------------------------|
| 791 mi_rand  | Num  | 8   | 4944 |        |          | MI TO RAND (DAYS)                         |
| 792 rn_dis   | Num  | 8   | 4952 |        |          | RAND TO DISCHARGE (DAYS)                  |
| 793 ran_ptca | Num  | 8   | 4960 |        |          | RAND TO PTCA (DAYS)                       |
| 794 ran_cabg | Num  | 8   | 4968 |        |          | RAND TO CABG (DAYS)                       |
| 795 sh_ptca  | Num  | 8   | 4976 |        |          | SHOCK TO PTCA1 (DAYS)                     |
| 796 sh_cabg  | Num  | 8   | 4984 |        |          | SHOCK TO CABG (DAYS)                      |
| 797 hospstay | Num  | 8   | 4992 |        |          | LENGTH OF STAY (DAYS)                     |
| 798 ran_dth  | Num  | 8   | 5000 |        |          | RAND TO DEATH (DAYS)                      |
| 799 mi_dth   | Num  | 8   | 5008 |        |          | MI TO DEATH (DAYS)                        |
| 800 rn_rhc   | Num  | 8   | 5016 |        |          | RAND TO HEMO NEAR SHOCK (DAYS)            |
| 801 rn_rhc5  | Num  | 8   | 5024 |        |          | RAND TO HEMO AT RAND (DAYS)               |
| 802 mi_sh_hr | Num  | 8   | 5032 |        |          | MI TO SHOCK (HRS)                         |
| 803 sh_bl_hr | Num  | 8   | 5040 |        |          | SHOCK TO IABP (HRS)                       |
| 804 mi_ly_hr | Num  | 8   | 5048 |        |          | MI TO LYTIC (HRS)                         |
| 805 mi_pt_hr | Num  | 8   | 5056 |        |          | MI TO PTCA1 (HRS)                         |
| 806 sh_pt_hr | Num  | 8   | 5064 |        |          | SHOCK TO PTCA (HRS)                       |
| 807 sh_p2_hr | Num  | 8   | 5072 |        |          | SHOCK TO PTCA2 (HRS)                      |
| 808 sh_p3_hr | Num  | 8   | 5080 |        |          | SHOCK TO PTCA3 (HRS)                      |
| 809 mi_cb_hr | Num  | 8   | 5088 |        |          | MI TO CABG (HRS)                          |
| 810 sh_cb_hr | Num  | 8   | 5096 |        |          | SHOCK TO CABG (HRS)                       |
| 811 sh_lh_hr | Num  | 8   | 5104 |        |          | SHOCK TO LH CATH #1 (HRS)                 |
| 812 sh_l2_hr | Num  | 8   | 5112 |        |          | SHOCK TO LH CATH #2 (HRS)                 |
| 813 sh_l3_hr | Num  | 8   | 5120 |        |          | SHOCK TO LH CATH #3 (HRS)                 |
| 814 f4a_sh_h | Num  | 8   | 5128 |        |          | HRS FROM ORIG ADMISSION TO SHOCK          |
| 815 sh_rh_hr | Num  | 8   | 5136 |        |          | SHOCK TO HEMO NEAR SHOCK (HRS)            |
| 816 iabp_hr  | Num  | 8   | 5144 |        |          | IABP DURATION (HRS)                       |
| 817 sh_vt_hr | Num  | 8   | 5152 |        |          | SHOCK TO VENTILATION (HRS)                |
| 818 sh_rh5_h | Num  | 8   | 5160 |        |          | SHOCK TO HEMO AT RAND (HRS)               |
| 819 rh_rh5_h | Num  | 8   | 5168 |        |          | HEMO NEAR SHOCK TO HEMO AT RAND (DAYS)    |
| 820 sh_rn_hr | Num  | 8   | 5176 |        |          | SHOCK TO RAND (HRS)                       |
| 821 mi_rn_hr | Num  | 8   | 5184 |        |          | MI TO RAND (HRS)                          |
| 822 rn_pt_hr | Num  | 8   | 5192 |        |          | RAND TO PTCA (HRS)                        |
| 823 rn_cb_hr | Num  | 8   | 5200 |        |          | RAND TO CABG (HRS)                        |
| 824 rn_rv_hr | Num  | 8   | 5208 |        |          | RAND TO REVAS (HRS)                       |
| 825 mi_rv_hr | Num  | 8   | 5216 |        |          | MI TO REVASC (HRS)                        |
| 826 sh_rv_hr | Num  | 8   | 5224 |        |          | SHOCK TO REVAS (HRS)                      |
| 827 rn_dth_h | Num  | 8   | 5232 |        |          | RAND TO DEATH (HRS)                       |
| 828 mi_dth_h | Num  | 8   | 5240 |        |          | MI TO DEATH (HRS)                         |
| 829 rn_rh_hr | Num  | 8   | 5248 |        |          | RAND TO HEMO NEAR SHOCK (HRS)             |
| 830 rn_rh5_h | Num  | 8   | 5256 |        |          | RAND TO HEMO AT RAND (HRS)                |
| 831 survhrs  | Num  | 8   | 5264 |        |          | HRS FROM RAND TO DISCHARGE                |
| 832 survdays | Num  | 8   | 5272 |        |          | DAYS FROM RAND TO DISCHARGE               |
| 833 censor   | Num  | 8   | 5280 |        |          | 0=DEAD, 1=ALIVE                           |
| 834 mishlt6  | Num  | 8   | 5288 | NY.    |          | MI TO SHOCK < 6 HRS                       |
| 835 mirnlt6  | Num  | 8   | 5296 | NY.    |          | MO TO RAND < 6 HRS                        |
| 836 age      | Num  | 8   | 5304 |        |          | AGE                                       |
| 837 agege65  | Num  | 8   | 5312 | NY.    |          | AGE >= 65                                 |
| 838 agelt75  | Num  | 8   | 5320 | NY.    |          | AGE < 75                                  |
| 839 cpkadj   | Num  | 8   | 5328 |        |          | PEAK CPK/UPPER NORMAL LIMIT               |
| 840 mvptca   | Num  | 8   | 5336 | NY.    |          | MULTIVESSEL PTCA (SAME CATH LAB VISIT)    |
| 841 ptcacabg | Num  | 8   | 5344 | NY.    |          | PTCA OR CABG                              |
| 842 lhc_ps   | Num  | 8   | 5352 | NY.    |          | LH CATH POST-SHOCK                        |
| 843 sh_lh_ps | Num  | 8   | 5360 |        |          | SHOCK TO CATH WHERE LH CATH IS POST SHOCK |
| 844 multloc  | Num  | 8   | 5368 | NY.    |          | MULTIPLE MI LOCATIONS                     |
| 845 infnoant | Num  | 8   | 5376 | NY.    |          | INFERIOR, NON-ANT MI                      |
| 846 ad4_sh   | Num  | 8   | 5384 |        |          | INITIAL ADM TO SHOCK (DAYS)               |
| 847 a4_sh_hr | Num  | 8   | 5392 |        |          | INITIAL ADM TO SHOCK (HRS)                |

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-----Variables Ordered by Position-----

| # Variable         | Type | Len | Pos  | Format | Informat | Label                                        |
|--------------------|------|-----|------|--------|----------|----------------------------------------------|
| 848 shatadm        | Num  | 8   | 5400 | NY.    |          | SHOCK ON ADMISSION (IF TIME DIFF=0 THEN CSA) |
| 849 lvef_ps        | Num  | 8   | 5408 |        |          | IN-HOSP LVEF SAME DAY OR AFTER SHOCK         |
| 850 status         | Num  | 8   | 5416 | STAT.  |          | TRIAL ELIGIBILITY STATUS                     |
| 851 hemoexcl       | Num  | 8   | 5424 | NY.    |          | HEMO EXCLUSION                               |
| 852 rcath_tN       | Num  | 8   | 5432 |        |          | HEMO NEAR SHOCK TIME - NUMERIC               |
| 853 record_tN      | Num  | 8   | 5440 |        |          | HEMO AT RAND TIME - NUMERIC                  |
| 854 balln_tN       | Num  | 8   | 5448 |        |          | IABP TIME - NUMERIC                          |
| 855 rmvb_tN        | Num  | 8   | 5456 |        |          | IABP REMOVE TIME - NUMERIC                   |
| 856 iabpinsitu     | Num  | 8   | 5464 | NY.    |          | IABP INSITU (F 4)                            |
| 857 IABPINSITU_RND | Num  | 8   | 5472 | NY.    |          | IABP INSITU (F 5 B1)                         |
| 858 lvfail         | Num  | 8   | 5480 |        |          | PREDOMINANT LV FAILURE                       |