

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure    | Risk Factor | Risk Factor Short Name                               | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type:<br>D=Diag,<br>P=Proc |
|------------|-------------|--|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------------|
| VBAC(PR-1) | AGET1744    | Age Truncated 17-44                                  |               |                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    |                            |
| VBAC(PR-1) | RF05M       | Diabetes in Pregnancy                                | 64801         | DIABETES-DELIVERED       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF05M       | Diabetes in Pregnancy                                | 64881         | ABN GLUCOSE TOLER-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF06C       | Smoker   | 3051          | TOBACCO USE DISORDER     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF101M      | Abnormal Presentation                                | 65201         | UNSTABLE LIE-DELIVERED   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF101M      | Abnormal Presentation                                | 65211         | CEPHALIC VERS NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF101M      | Abnormal Presentation                                | 65221         | BREECH PRESENTAT-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF101M      | Abnormal Presentation                                | 65231         | TRANSVER/OBLIQ LIE-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF101M      | Abnormal Presentation                                | 65241         | FACE/BROW PRESENT-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF101M      | Abnormal Presentation                                | 65251         | HIGH HEAD AT TERM-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF101M      | Abnormal Presentation                                | 65261         | MULT GEST MALPRES-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF101M      | Abnormal Presentation                                | 65271         | PROLAPSED ARM-DELIVERED  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF101M      | Abnormal Presentation                                | 65281         | MALPOSITION NEC-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65101         | TWIN PREGNANCY-DELIVERED | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65111         | TRIPLET PREGNANCY-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65121         | QUADRUPLET PREG-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65131         | TWINS W FETAL LOSS-DEL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65141         | TRIPLETS W FET LOSS-DEL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65151         | QUADS W FETAL LOSS-DEL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65161         | MULT GES W FET LOSS-DEL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65181         | MULTI GESTAT NEC-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65191         | MULT GESTATION NOS-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | 65941         | GRAND MULTIPARITY-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | V272          | DELIVER-TWINS, BOTH LIVE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | V273          | DEL-TWINS, 1 NB, 1 SB    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | V274          | DELIVER-TWINS, BOTH SB   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | V275          | DEL-MULT BIRTH, ALL LIVE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | V276          | DEL-MULT BRTH, SOME LIVE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | V277          | DEL-MULT BIRTH, ALL SB   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF102M      | Multiple Gestations                                  | V279          | OUTCOME OF DELIVERY NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF103M      | Maternal Infections                                  | 64651         | ASYM BACTERIURIA-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF103M      | Maternal Infections                                  | 64661         | GU INFECTION-DELIVERED   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF103M      | Maternal Infections                                  | 64781         | INFECT DIS NEC-DELIVERED | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF103M      | Maternal Infections                                  | 64791         | INFECT NOS-DELIVERED     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF103M      | Maternal Infections                                  | 65841         | AMNIOTIC INFECTION-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF103M      | Maternal Infections                                  | 65931         | SEPTICEM IN LABOR-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF104PRO    | Cord Prolapse  | 66301         | CORD PROLAPSE-DELIVERED  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66001         | OBSTRUC/FET MALPOS-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66011         | BONY PELV OBSTRUCT-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66021         | ABN PELV TIS OBSTR-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66031         | PERSIST OCCIPTPOST-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66041         | SHOULDER DYSTOCIA-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66051         | LOCKED TWINS-DELIVERED   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66061         | FAIL TRIAL LAB NOS-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66071         | FAILED FORCEPS NOS-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66081         | OBSTRUCT LABOR NEC-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF105M      | Obstructed Labor                                     | 66091         | OBSTRUCT LABOR NOS-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF106M      | Other Hypertensions in Pregnancy                     | 64201         | ESSEN HYPERTEN-DELIVERED | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF106M      | Other Hypertensions in Pregnancy                     | 64211         | RENAL HYPERTEN PG-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF106M      | Other Hypertensions in Pregnancy                     | 64221         | OLD HYPERTEN NEC-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF106M      | Other Hypertensions in Pregnancy                     | 64231         | TRANS HYPERTEN-DELIVERED | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF106M      | Other Hypertensions in Pregnancy                     | 64291         | HYPERTENS NOS-DELIVERED  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF107M      | Polyhydramnios                                       | 65701         | POLYHYDRAMNIOS-DELIVERED | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF108M      | Abnormality of Organs and Soft Tissues of the Pelvis | 65401         | CONGEN ABN UTERUS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF108M      | Abnormality of Organs and Soft Tissues of the Pelvis | 65411         | UTERINE TUMOR-DELIVERED  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF108M      | Abnormality of Organs and Soft Tissues of the Pelvis | 65431         | RETROVERT UTERUS-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF108M      | Abnormality of Organs and Soft Tissues of the Pelvis | 65441         | ABN UTERUS NEC-DELIVERED | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF108M      | Abnormality of Organs and Soft Tissues of the Pelvis | 65451         | CERVICAL INCOMPET-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF108M      | Abnormality of Organs and Soft Tissues of the Pelvis | 65461         | ABN CERVIX NEC-DELIVERED | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF108M      | Abnormality of Organs and Soft Tissues of the Pelvis | 65471         | ABNORM VAGINA-DELIVERED  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF108M      | Abnormality of Organs and Soft Tissues of the Pelvis | 65481         | ABNORMAL VULVA-DELIVERED | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF108M      | Abnormality of Organs and Soft Tissues of the Pelvis | 65491         | ABN PELV ORG NEC-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1) | RF109M      | Large Fetus (Oversize)                               | 65661         | EXCESS FETAL GRTH-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |

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|------------------------------------|---------------|---|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------------|
| VBAC(PR-1)                         | RF111M        | Eclampsia, Pre-eclampsia                          | 64241         | MILD/NOS PREECLAMP-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF111M        | Eclampsia, Pre-eclampsia                          | 64251         | SEVERE PREECLAMP-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF111M        | Eclampsia, Pre-eclampsia                          | 64261         | ECLAMPSIA-DELIVERED      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF111M        | Eclampsia, Pre-eclampsia                          | 64271         | TOX W OLD HYPERTEN-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF112M        | Fetal-Maternal Hemorrhage                         | 65601         | FETAL-MATERNAL HEM-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF113M        | Isoimmunization                                   | 65611         | RH ISOIMMUNIZAT-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF113M        | Isoimmunization                                   | 65621         | ABO ISOIMMUNIZAT-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF114M        | Placenta Previa w/o Hemorrhage                    | 64101         | PLACENTA PREVIA-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF115M        | Abruptio Placenta                                 | 64121         | PREM SEPAR PLACEN-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF116M        | Antepartum Hemorrhage                             | 64111         | PLACENTA PREV HEM-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF116M        | Antepartum Hemorrhage                             | 64131         | COAG DEF HEMORR-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF116M        | Antepartum Hemorrhage                             | 64181         | ANTEPARTUM HEM NEC-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF116M        | Antepartum Hemorrhage                             | 64191         | ANTEPARTUM HEM NOS-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF117M        | Herpes Simplex Virus                              | 05410 + 64721 | GENITAL HERPES NOS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF117M        | Herpes Simplex Virus                              | 05411 + 64721 | HERPETIC VULVOVAGINITIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF117M        | Herpes Simplex Virus                              | 05412 + 64721 | HERPETIC ULCER OF VULVA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF117M        | Herpes Simplex Virus                              | 05419 + 64721 | GENITAL HERPES NEC       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF117M        | Herpes Simplex Virus                              | 05479 + 64721 | H SIMPLEX COMPLICAT NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF117M        | Herpes Simplex Virus                              | 0548 + 64721  | H SIMPLEX COMPLICAT NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF117M        | Herpes Simplex Virus                              | 0549 + 64721  | HERPES SIMPLEX NOS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65301         | PELVIC DEFORM NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65311         | CONTRACT PELV NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65321         | INLET CONTRACTION-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65331         | OUTLET CONTRACTION-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65341         | FETOPELV DISPROPOR-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65351         | FETAL DISPROP NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65361         | HYDROCEPH FETUS-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65371         | OTH ABN FET DISPRO-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65381         | DISPROPORTION NEC-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF118M        | Disproportion                                     | 65391         | DISPROPORTION NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF119M        | Failure to Progress                               | 65901         | FAIL MECH INDUCT-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF119M        | Failure to Progress                               | 65911         | FAIL INDUCTION NOS-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF119M        | Failure to Progress                               | 66101         | PRIM UTERINE INERT-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF119M        | Failure to Progress                               | 66111         | SEC UTERINE INERT-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF119M        | Failure to Progress                               | 66121         | UTERINE INERT NEC-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF119M        | Failure to Progress                               | 66141         | UTER DYSTOCIA NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF119M_RF124M | Interaction of Failure to Progress and Induction  |               |                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    |                            |
| VBAC(PR-1)                         | RF120M        | Oligohydramnios                                   | 65801         | OLIGOHYDRAMNIOS-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF123M        | Prolonged Labor                                   | 66201         | PROLONG 1ST STAGE-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF123M        | Prolonged Labor                                   | 66211         | PROLONG LABOR NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF123M        | Prolonged Labor                                   | 66221         | PROLONG 2ND STAGE-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF124M        | Induction   | 731           | SURG INDUCT LABOR NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| VBAC(PR-1)                         | RF124M        | Induction   | 734           | MEDICAL INDUCTION LABOR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| VBAC(PR-1)                         | RF16M         | Obesity   | 27800         | OBESITY NOS              | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF16M         | Obesity   | 27801         | MORBID OBESITY           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| VBAC(PR-1)                         | RF16M         | Obesity   | 64611         | EDEMA IN PREG-DELIVERED  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF303         | Anencephalus                                      | 7400          | ANENCEPHALUS             | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF304         | Patau's Syndrome                                  | 7581          | PATAU'S SYNDROME         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF305         | Edward's Syndrome                                 | 7582          | EDWARDS' SYNDROME        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF306         | Agensis of Lung                                   | 7485          | AGENESIS OF LUNG         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF308         | Multiple Congenital Anomalies                     | 7597          | MULT CONGEN ANOMAL NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF310         | Hydrops Fetalis Not Due To Isoimmunization        | 7780          | HYDROPS FETALIS NO ISOIM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF311         | Renal Agensis                                     | 7530          | RENAL AGENESIS           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF312         | Severe Birth Asphyxia                             | 7685          | SEVERE BIRTH ASPHYXIA    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF314         | Disseminated Intravascular Coagulation in Newborn | 7762          | DISSEM INTRAVASC COAG NB | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF315         | Newborn Pulmonary Hemorrhage                      | 7703          | NB PULMONARY HEMORRHAGE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF316         | Anomalies of Diaphragm                            | 7566          | ANOMALIES OF DIAPHRAGM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF317         | Perinatal Intestinal Perforation                  | 7776          | PERINATAL INTEST PERFOR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF318         | Necrotizing Enterocolitis in Fetus or Newborn     | 77750         | NECROT ENTEROCOLITIS NB  | 10/1/2008               | 4Q2008                 | 9/23/2008         |                            | 2.5     | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319         | Inborns   | V3000         | SINGLE LB IN-HOSP W/O CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319         | Inborns   | V3001         | SINGLE LB IN-HOSP W CS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319         | Inborns   | V3100         | TWIN-MATE LB-HOSP W/O CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor | Risk Factor Short Name                                     | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type:<br>D=Diag,<br>P=Proc |
|------------------------------------|-------------|--|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------------|
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3101         | TWIN-MATE LB-IN HOS W CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3200         | TWIN-MATE SB-HOSP W/O CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3201         | TWIN-MATE SB-HOSP W CS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3300         | TWIN-NOS-IN HOSP W/O CS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3301         | TWIN-NOS-IN HOSP W CS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3400         | OTH MULT LB-HOSP W/O CS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3401         | OTH MULT LB-IN HOSP W CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3500         | OTH MULT SB-HOSP W/O CS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3501         | OTH MULT SB-IN HOSP W CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3600         | MULT LB/SB-IN HOS W/O CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3601         | MULT LB/SB-IN HOSP W CS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3700         | MULT BRTH NOS-HOS W/O CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3701         | MULT BIRTH NOS-HOSP W CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3900         | LIVEBORN NOS-HOSP W/O CS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF319       | Inborns  | V3901         | LIVEBORN NOS-HOSP W CS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF322       | Extreme Immaturity - Preterm Infants                       | 76501         | EXTREME IMMATUR <500G    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF322       | Extreme Immaturity - Preterm Infants                       | 76502         | EXTREME IMMATUR 500-749G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF322       | Extreme Immaturity - Preterm Infants                       | 76503         | EXTREME IMMATUR 750-999G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF351       | Less than 24 Weeks of Gestation                            | 76521         | <24 COMP WKS GESTATION   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF351_RF322 | Interaction of Gestation Weeks < 24 and Extreme Immaturity |               |                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    |                            |
| Inpatient Neonatal Mortality(PR-2) | RF352       | Completed 24 Weeks of Gestation < 25 weeks                 | 76522         | 24 COMP WEEKS GESTATION  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF353       | Completed 25-26 Weeks of Gestation                         | 76523         | 25-26 COMP WKS GESTATION | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF354       | Completed 27-28 Weeks of Gestation                         | 76524         | 27-28 COMP WKS GESTATION | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF355       | Completed 29-30 Weeks of Gestation                         | 76525         | 29-30 COMP WKS GESTATION | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF356       | Completed 31-32 Weeks of Gestation                         | 76526         | 31-32 COMP WKS GESTATION | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF357       | Completed 33-34 Weeks of Gestation                         | 76527         | 33-34 COMP WKS GESTATION | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF358       | Completed 35-36 Weeks of Gestation                         | 76528         | 35-36 COMP WKS GESTATION | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF361       | New Born with Birth Weight Less than 500 grams             | 76401         | LIGHT-FOR-DATES <500G    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF361       | New Born with Birth Weight Less than 500 grams             | 76411         | LT-FOR-DATE W/MAL <500G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF361       | New Born with Birth Weight Less than 500 grams             | 76421         | FETAL MALNUTRITION <500G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF361       | New Born with Birth Weight Less than 500 grams             | 76491         | FET GROWTH RETARD <500G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF361       | New Born with Birth Weight Less than 500 grams             | 76511         | PRETERM NEC <500G        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF362       | New Born with Birth Weight Between 500 and 749 grams       | 76402         | LT-FOR-DATES 500-749G    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF362       | New Born with Birth Weight Between 500 and 749 grams       | 76412         | LT-DATE W/MAL 500-749G   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF362       | New Born with Birth Weight Between 500 and 749 grams       | 76422         | FETAL MALNUTR 500-749G   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF362       | New Born with Birth Weight Between 500 and 749 grams       | 76492         | FET GROWTH RET 500-749G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF362       | New Born with Birth Weight Between 500 and 749 grams       | 76512         | PRETERM NEC 500-749G     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF363       | New Born with Birth Weight Between 750 and 999 grams       | 76403         | LT-FOR-DATES 750-999G    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF363       | New Born with Birth Weight Between 750 and 999 grams       | 76413         | LT-DATE W/MAL 750-999G   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF363       | New Born with Birth Weight Between 750 and 999 grams       | 76423         | FETAL MAL 750-999G       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF363       | New Born with Birth Weight Between 750 and 999 grams       | 76493         | FET GROWTH RET 750-999G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF363       | New Born with Birth Weight Between 750 and 999 grams       | 76513         | PRETERM NEC 750-999G     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76404         | LT-FOR-DATES 1000-1249G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76405         | LT-FOR-DATES 1250-1499G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76414         | LT-DATE W/MAL 1000-1249G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76415         | LT-DATE W/MAL 1250-1499G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76424         | FETAL MAL 1000-1249G     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76425         | FETAL MAL 1250-1499G     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76494         | FET GRWTH RET 1000-1249G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76495         | FET GRWTH RET 1250-1499G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76504         | EXTREME IMMAT 1000-1249G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76505         | EXTREME IMMAT 1250-1499G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76514         | PRETERM NEC 1000-1249G   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF364       | New Born with Birth Weight Between 1000 and 1499 grams     | 76515         | PRETERM NEC 1250-1499G   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams     | 76406         | LT-FOR-DATES 1500-1749G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams     | 76407         | LT-FOR-DATES 1750-1999G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams     | 76416         | LT-DATE W/MAL 1500-1749G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams     | 76417         | LT-DATE W/MAL 1750-1999G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams     | 76426         | FETAL MAL 1500-1749G     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams     | 76427         | FETAL MALNUTR 1750-1999G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams     | 76496         | FET GRWTH RET 1500-1749G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams     | 76497         | FET GRWTH RET 1750-1999G | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor | Risk Factor Short Name                                 | ICD-9-CM Code | Description               | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|--|---------------|---------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams | 76506         | EXTREME IMMAT 1500-1749G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams | 76507         | EXTREME IMMAT 1750-1999G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams | 76516         | PRETERM NEC 1500-1749G    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF365       | New Born with Birth Weight Between 1500 and 1999 grams | 76517         | PRETERM NEC 1750-1999G    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF366       | New Born with Birth Weight Between 2000 and 2499 grams | 76408         | LT-FOR-DATES 2000-2499G   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF366       | New Born with Birth Weight Between 2000 and 2499 grams | 76418         | LT-DATE W/MAL 2000-2499G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF366       | New Born with Birth Weight Between 2000 and 2499 grams | 76428         | FETAL MALNUTR 2000-2499G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF366       | New Born with Birth Weight Between 2000 and 2499 grams | 76498         | FET GRWTH RET 2000-2499G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF366       | New Born with Birth Weight Between 2000 and 2499 grams | 76508         | EXTREME IMMAT 2000-2499G  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF366       | New Born with Birth Weight Between 2000 and 2499 grams | 76518         | PRETERM NEC 2000-2499G    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Inpatient Neonatal Mortality(PR-2) | RF367       | Newborn Transfers In                                   |               |                           | 10/01/2007              | 4Q2007                 | 10/01/2007        |                            | 2.3     |                      |
| Inpatient Neonatal Mortality(PR-2) | SEXR        | Sex=M or F   |               |                           | 10/01/2007              | 4Q2007                 | 10/01/2007        |                            | 2.3     |                      |
| Acute Myocardial Infarction(AMI-9) | ADMSRC56    | Point of Origin for Admission or Visit                 |               |                           | 10/01/2007              | 4Q2007                 | 10/01/2007        |                            | 2.3     |                      |
| Acute Myocardial Infarction(AMI-9) | AGEINT      | Integer Age  |               |                           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    |                      |
| Acute Myocardial Infarction(AMI-9) | AGEINT_SEXR | Integer Age by Sex Interaction                         |               |                           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    |                      |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 39891         | RHEUMATIC HEART FAILURE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 40201         | MAL HYPERT HRT DIS W HF   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 40211         | BENIGN HYP HT DIS W HF    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 40291         | HYP HT DIS NOS W HT FAIL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 40401         | MAL HYPERT HRT/REN W HF   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 40411         | BEN HYPERT HRT/REN W HF   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 40491         | HYPERT HRT/REN NOS W HF   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 4280          | CHF NOS                   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 4281          | LEFT HEART FAILURE        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42820         | SYSTOLIC HRT FAILURE NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42821         | AC SYSTOLIC HRT FAILURE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42822         | CHR SYSTOLIC HRT FAILURE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42823         | AC ON CHR SYST HRT FAIL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42830         | DIASTOLIC HRT FAILURE NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42831         | AC DIASTOLIC HRT FAILURE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42832         | CHR DIASTOLIC HRT FAIL    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42833         | AC ON CHR DIAST HRT FAIL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42840         | SYST/DIAST HRT FAIL NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42841         | AC SYST/DIASTOL HRT FAIL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42842         | CHR SYST/DIASTL HRT FAIL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 42843         | AC/CHR SYST/DIA HRT FAIL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF401      | Congestive Heart Failure                               | 4289          | HEART FAILURE NOS         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 09320         | SYPHIL ENDOCARDITIS NOS   | 10/01/2005              | 4Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 09321         | SYPHILITIC MITRAL VALVE   | 10/01/2005              | 4Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 09322         | SYPHILITIC AORTIC VALVE   | 10/01/2005              | 4Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 09323         | SYPHIL TRICUSPID VALVE    | 10/01/2005              | 4Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 09324         | SYPHIL PULMONARY VALVE    | 10/01/2005              | 4Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3940          | MITRAL STENOSIS           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3941          | RHEUMATIC MITRAL INSUFF   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3942          | MITRAL STENOSIS W INSUFF  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3949          | MITRAL VALVE DIS NEC/NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3950          | RHEUMAT AORTIC STENOSIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3951          | RHEUMATIC AORTIC INSUFF   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3952          | RHEUM AORTIC STEN/INSUFF  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3959          | RHEUM AORTIC DIS NEC/NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3960          | MITRAL/AORTIC STENOSIS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3961          | MITRAL STENOS/AORT INSUF  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3962          | MITRAL INSUF/AORT STENOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3963          | MITRAL/AORTIC VAL INSUFF  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3968          | MITR/AORTIC MULT INVOLV   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3969          | MITRAL/AORTIC V DIS NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3970          | TRICUSPID VALVE DISEASE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3971          | RHEUM PULMON VALVE DIS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 3979          | RHEUM ENDOCARDITIS NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 4240          | MITRAL VALVE DISORDER     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 4241          | AORTIC VALVE DISORDER     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease                                       | 4242          | NONRHEUM TRICUSP VAL DIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

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| Measure                            | Risk Factor | Risk Factor Short Name         | ICD-9-CM Code | Description               | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|--------------------------------|---------------|---------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | 4243          | PULMONARY VALVE DISORDER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | 42490         | ENDOCARDITIS NOS          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | 42491         | ENDOCARDITIS IN OTH DIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | 42499         | ENDOCARDITIS NEC          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | 7463          | CONG AORTA VALV STENOSIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | 7464          | CONG AORTA VALV INSUFFIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | 7465          | CONGEN MITRAL STENOSIS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | 7466          | CONG MITRAL INSUFFICIENC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | V422          | HEART VALVE TRANSPLANT    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF402      | Valvular Disease               | V433          | HEART VALVE REPLAC NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF403      | Pulmonary Circulation Disorder | 4160          | PRIM PULM HYPERTENSION    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF403      | Pulmonary Circulation Disorder | 4161          | KYPHOSCOLIOTIC HEART DIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF403      | Pulmonary Circulation Disorder | 4168          | CHR PULMON HEART DIS NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF403      | Pulmonary Circulation Disorder | 4169          | CHR PULMON HEART DIS NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF403      | Pulmonary Circulation Disorder | 4179          | PULMON CIRCULAT DIS NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44100         | DSCT OF AORTA UNSP SITE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44101         | DSCT OF THORACIC AORTA    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44102         | DSCT OF ABDOMINAL AORTA   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44103         | DSCT OF THORACOABD AORTA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4411          | RUPTUR THORACIC ANEURYSM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4412          | THORACIC AORTIC ANEURYSM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4413          | RUPT ABD AORTIC ANEURYSM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4414          | ABDOM AORTIC ANEURYSM     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4415          | RUPT AORTIC ANEURYSM NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4416          | THORACOABD ANEURYSM RUPT  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4417          | THRACABD ANURYSM W/O RUPT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4419          | AORTIC ANEURYSM NOS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4420          | UPPER EXTREMITY ANEURYSM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4421          | RENAL ARTERY ANEURYSM     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4422          | ILIAC ARTERY ANEURYSM     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4423          | LOWER EXTREMITY ANEURYSM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44281         | ANEURYSM OF NECK          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44282         | SUBCLAVIAN ANEURYSM       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44283         | SPLENIC ARTERY ANEURYSM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44284         | VISCERAL ANEURYSM NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44289         | ANEURYSM NEC              | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4429          | ANEURYSM NOS              | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4431          | THROMBOANGIIT OBLITERANS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44321         | DISSECT CAROTID ARTERY    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44322         | DISSECTION ILIAC ARTERY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44323         | DISSECTION RENAL ARTERY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44324         | DISSECT VERTEBRAL ARTERY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44329         | DISSECTION ARTERY NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44381         | ANGIOPATHY IN OTHER DIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44382         | ERYTHROMELALGIA           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 44389         | PERIPH VASCULAR DIS NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4439          | PERIPH VASCULAR DIS NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 4471          | STRICTURE OF ARTERY       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 5571          | CHR VASC INSUFF INTEST    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | 5579          | VASC INSUFF INTEST NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF404      | Peripheral Vascular Disorder   | V434          | BLOOD VESSEL REPLAC NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF405      | Hypertension (Uncomplicated)   | 4011          | BENIGN HYPERTENSION       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF405      | Hypertension (Uncomplicated)   | 4019          | HYPERTENSION NOS          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF405      | Hypertension (Uncomplicated)   | 64200         | ESSEN HYPERTEN PREG-UNSP  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF405      | Hypertension (Uncomplicated)   | 64201         | ESSEN HYPERTEN-DELIVERED  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF405      | Hypertension (Uncomplicated)   | 64202         | ESSEN HYPERTEN-DEL W P/P  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF405      | Hypertension (Uncomplicated)   | 64203         | ESSEN HYPERTEN-ANTEPART   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF405      | Hypertension (Uncomplicated)   | 64204         | ESSEN HYPERTEN-POSTPART   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated)     | 4010          | MALIGNANT HYPERTENSION    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated)     | 40200         | MAL HYP HT DIS W/O HF     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated)     | 40210         | BENIGN HYP HT DIS W/O HF  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated)     | 40290         | HYP HRT DIS NOS W/O HF    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor | Risk Factor Short Name     | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|----------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40300         | MAL HYP REN W/O REN FAIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40310         | BEN HYP REN W/O REN FAIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40390         | HYP REN NOS W/O REN FAIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40400         | MAL HY HT/REN W/O HF/RF  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40410         | BEN HY HT/REN W/O HF/RF  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40490         | HY HT/REN NOS W/O HF/RF  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40501         | MAL RENOVASC HYPERTENS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40509         | MAL SECOND HYPERTEN NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40511         | BENIGN RENOVASC HYPERTEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40519         | BENIGN SECOND HYPERT NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40591         | RENOVASC HYPERTENSION    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 40599         | SECOND HYPERTENSION NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64210         | RENAL HYPERTEN PREG-UNSP | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64211         | RENAL HYPERTEN PG-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64212         | RENAL HYPERTEN-DEL P/P   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64213         | RENAL HYPERTEN-ANTEPART  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64214         | RENAL HYPERTEN-POSTPART  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64220         | OLD HYPERTEN PREG-UNSPEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64221         | OLD HYPERTEN NEC-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64222         | OLD HYPERTEN-DELIV W P/P | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64223         | OLD HYPERTEN NEC-ANTEPAR | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64224         | OLD HYPERTEN NEC-POSTPAR | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64270         | TOX W OLD HYPERTEN-UNSP  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64271         | TOX W OLD HYPERTEN-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64272         | TOX W OLD HYP-DEL W P/P  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64273         | TOX W OLD HYPER-ANTEPART | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64274         | TOX W OLD HYPER-POSTPART | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64290         | HYPERTEN PREG NOS-UNSPEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64291         | HYPERTENS NOS-DELIVERED  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64292         | HYPERTENS NOS-DEL W P/P  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64293         | HYPERTENS NOS-ANTEPARTUM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF406      | Hypertension (Complicated) | 64294         | HYPERTENS NOS-POSTPARTUM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34200         | FLCCD HMIPLGA UNSPF SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34201         | FLCCD HMIPLGA DOMNT SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34202         | FLCCD HMIPLG NONDMNT SDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34210         | SPSTC HMIPLGA UNSPF SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34211         | SPSTC HMIPLGA DOMNT SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34212         | SPSTC HMIPLG NONDMNT SDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34280         | OT SP HMIPLGA UNSPF SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34281         | OT SP HMIPLGA DOMNT SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34282         | OT SP HMIPLG NONDMNT SDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34290         | UNSP HEMIPLGA UNSPF SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34291         | UNSP HEMIPLGA DOMNT SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34292         | UNSP HMIPLGA NONDMNT SDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 3430          | CONGENITAL DIPLEGIA      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 3431          | CONGENITAL HEMIPLEGIA    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 3432          | CONGENITAL QUADRIPLEGIA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 3433          | CONGENITAL MONOPLEGIA    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 3434          | INFANTILE HEMIPLEGIA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34400         | QUADRIPLEGIA, UNSPECIFD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34401         | QUADRPLG C1-C4, COMPLETE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34402         | QUADRPLG C1-C4, INCOMPLT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34403         | QUADRPLG C5-C7, COMPLETE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34404         | QUADRPLG C5-C7, INCOMPLT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34409         | OTHER QUADRIPLEGIA       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 3441          | PARAPLEGIA NOS           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 3442          | DIPLEGIA OF UPPER LIMBS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34430         | MONPLGA LWR LMB UNSP SDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34431         | MONPLGA LWR LMB DMNT SDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34432         | MNPLG LWR LMB NONDMNT SD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34440         | MONPLGA UPR LMB UNSP SDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis                  | 34441         | MONPLGA UPR LMB DMNT SDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type:<br>D=Diag,<br>P=Proc |
|------------------------------------|-------------|------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------------|
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 34442         | MNPLG UPR LMB NONDMNT SD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 3445          | MONOPLÉGIA NOS           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 34460         | CAUDA EQUINA SYND NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 34461         | NEUROGENIC BLADDER       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 34481         | LOCKED-IN STATE          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 34489         | OTH SPCF PARALYTIC SYND  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 3449          | PARALYSIS NOS            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43820         | LATE EF-HEMPLGA SIDE NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43821         | LATE EF-HEMPLGA DOM SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43822         | LATE EF-HEMPLGA NON-DOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43830         | LATE EF-MPLGA UP LMB NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43831         | LATE EF-MPLGA UP LMB DOM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43832         | LT EF-MPLGA UPLMB NONDOM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43840         | LTE EF-MPLGA LOW LMB NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43841         | LTE EF-MPLGA LOW LMB DOM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43842         | LT EF-MPLGA LOWLMB NONDM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43850         | LT EF OTH PARAL SIDE NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43851         | LT EF OTH PARAL DOM SIDE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43852         | LT EF OTH PARALS NON-DOM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF407      | Paralysis              | 43853         | LT EF OTH PARALS-BILAT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3300          | LEUKODYSTROPHY           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3301          | CEREBRAL LIPIDOSES       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3302          | CEREB DEGEN IN LIPIDOSIS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3303          | CERB DEG CHLD IN OTH DIS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3308          | CEREB DEGEN IN CHILD NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3309          | CEREB DEGEN IN CHILD NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3310          | ALZHEIMER'S DISEASE      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33111         | PICK'S DISEASE           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33119         | FRONTOTEMP DEMENTIA NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3312          | SENILE DEGENERAT BRAIN   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3313          | COMMUNICAT HYDROCEPHALUS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3314          | OBSTRUCTIV HYDROCEPHALUS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3315          | NORML PRESSURE HYDROCEPH | 10/1/2008               | 4Q2008                 | 9/23/2008         |                            | 2.5     | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3317          | CEREB DEGEN IN OTH DIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33181         | REYE'S SYNDROME          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33182         | DEMENTIA W LEWY BODIES   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33189         | CEREB DEGENERATION NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3319          | CEREB DEGENERATION NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3320          | PARALYSIS AGITANS        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3334          | HUNTINGTON'S CHOREA      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3335          | CHOREA NEC               | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3340          | FRIEDREICH'S ATAXIA      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3341          | HERED SPASTIC PARAPLEGIA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3342          | PRIMARY CEREBELLAR DEGEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3343          | CEREBELLAR ATAXIA NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3344          | CEREBEL ATAX IN OTH DIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3348          | SPINOCEREBELLAR DIS NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3349          | SPINOCEREBELLAR DIS NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3350          | WERDNIG-HOFFMANN DISEASE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33510         | SPINAL MUSCL ATROPHY NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33511         | KUGELBERG-WELANDER DIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33519         | SPINAL MUSCL ATROPHY NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33520         | AMYOTROPHIC SCLEROSIS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33521         | PROG MUSCULAR ATROPHY    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33522         | PROGRESSIVE BULBAR PALSY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33523         | PSEUDOBULBAR PALSY       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33524         | PRIM LATERAL SCLEROSIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 33529         | MOTOR NEURON DISEASE NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3358          | ANT HORN CELL DIS NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3359          | ANT HORN CELL DIS NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 340           | MULTIPLE SCLEROSIS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological     | 3410          | NEUROMYELITIS OPTICA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |

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| Measure                            | Risk Factor | Risk Factor Short Name    | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|---------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 3411          | SCHILDER'S DISEASE       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 3418          | CNS DEMYELINATION NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 3419          | CNS DEMYELINATION NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34500         | GEN NONCV EP W/O INTR EP | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34501         | GEN NONCONV EP W INTR EP | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34510         | GEN CNV EPIL W/O INTR EP | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34511         | GEN CNV EPIL W INTR EPIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 3452          | PETIT MAL STATUS         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 3453          | GRAND MAL STATUS         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34540         | PSYMOTR EPIL W/O INT EPI | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34541         | PSYMOTR EPIL W INTR EPIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34550         | PART EPIL W/O INTR EPIL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34551         | PART EPIL W INTR EPIL    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34560         | INF SPASM W/O INTR EPIL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34561         | INF SPASM W INTRACT EPIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34570         | EPIL PAR CONT W/O INT EP | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34571         | EPIL PAR CONT W INTR EPI | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34580         | EPILEP NEC W/O INTR EPIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34581         | EPILEPSY NEC W INTR EPIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34590         | EPILEP NOS W/O INTR EPIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34591         | EPILEPSY NOS W INTR EPIL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 3481          | ANOXIC BRAIN DAMAGE      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34830         | ENCEPHALOPATHY NOS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34831         | METABOLIC ENCEPHALOPATHY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 34839         | ENCEPHALOPATHY NEC       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 78031         | FEBRILE CONVULSIONS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 78039         | CONVULSIONS NEC          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF408      | Other Neurological        | 7843          | APHASIA                  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 490           | BRONCHITIS NOS           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4910          | SIMPLE CHR BRONCHITIS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4911          | MUCOPURUL CHR BRONCHITIS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49120         | OBST CHR BRONC W/O EXAC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49122         | OBS CHR BRONC W AC BRONC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4918          | CHRONIC BRONCHITIS NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4919          | CHRONIC BRONCHITIS NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4920          | EMPHYSEMATOUS BLEB       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4928          | EMPHYSEMA NEC            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49300         | EXTRINSIC ASTHMA NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49301         | EXT ASTHMA W STATUS ASTH | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49302         | EXT ASTHMA W(ACUTE) EXAC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49310         | INTRINSIC ASTHMA NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49311         | INT ASTHMA W STATUS ASTH | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49312         | INT ASTHMA W (AC) EXAC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49322         | CH OBST ASTH W (AC) EXAC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49381         | EXERCSE IND BRONCHOSPASM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49382         | COUGH VARIANT ASTHMA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49390         | ASTHMA NOS               | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49391         | ASTHMA W STATUS ASTHMAT  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 49392         | ASTHMA NOS W (AC) EXAC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4940          | BRONCHIECTAS W/O AC EXAC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4941          | BRONCHIECTASIS W AC EXAC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4950          | FARMERS' LUNG            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4951          | BAGASSOSIS               | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4952          | BIRD-FANCIERS' LUNG      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4953          | SUBEROSIS                | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4954          | MALT WORKERS' LUNG       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4955          | MUSHROOM WORKERS' LUNG   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4956          | MAPL BARK-STRIPPRS' LUNG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4957          | "VENTILATION" PNEUMONIT  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4958          | ALLERG ALVEOL/PNEUM NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 4959          | ALLERG ALVEOL/PNEUM NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease | 500           | COAL WORKERS' PNEUMOCON  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor | Risk Factor Short Name             | ICD-9-CM Code | Description                | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|------------------------------------|---------------|----------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease          | 501           | ASBESTOSIS                 | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease          | 502           | SILICA PNEUMOCON NEC       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease          | 503           | INORG DUST PNEUMOCON NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease          | 504           | DUST PNEUMONOPATHY NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease          | 505           | PNEUMOCONIOSIS NOS         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF409      | Chronic Pulmonary Disease          | 5064          | FUM/VAPOR CHR RESP COND    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25000         | DMII WO CMP NT ST UNCINTR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25001         | DMII WO CMP NT ST UNCINTRL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25002         | DMII WO CMP UNCINTRLD      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25003         | DMII WO CMP UNCINTRLD      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25010         | DMII KETO NT ST UNCINTRLD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25011         | DMII KETO NT ST UNCINTRLD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25012         | DMII KETOACD UNCONTROLD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25013         | DMII KETOACD UNCONTROLD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25020         | DMII HPRSM NT ST UNCINTRL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25021         | DMII HPRSM NT ST UNCINTRLD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25022         | DMII HPROSMR UNCONTROLD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25023         | DMII HPROSMR UNCONTROLD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25030         | DMII O CM NT ST UNCINTRLD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25031         | DMII O CM NT ST UNCINTRLD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25032         | DMII OTH COMA UNCONTROLD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 25033         | DMII OTH COMA UNCONTROLD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 64800         | DIABETES IN PREG-UNSPEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 64801         | DIABETES-DELIVERED         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 64802         | DIABETES-DELIVERED W P/P   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 64803         | DIABETES-ANTEPARTUM        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF410      | Diabetes w/o Chronic Complications | 64804         | DIABETES-POSTPARTUM        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25040         | DMII RENL NT ST UNCINTRLD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25041         | DMII RENL NT ST UNCINTRLD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25042         | DMII RENAL UNCINTRLD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25043         | DMII RENAL UNCINTRLD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25050         | DMII OPHTH NT ST UNCINTRL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25051         | DMII OPHTH NT ST UNCINTRLD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25052         | DMII OPHTH UNCINTRLD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25053         | DMII OPHTH UNCINTRLD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25060         | DMII NEURO NT ST UNCINTRL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25061         | DMII NEURO NT ST UNCINTRLD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25062         | DMII NEURO UNCINTRLD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25063         | DMII NEURO UNCINTRLD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25070         | DMII CIRC NT ST UNCINTRLD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25071         | DMII CIRC NT ST UNCINTRLD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25072         | DMII CIRC UNCINTRLD        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25073         | DMII CIRC UNCINTRLD        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25080         | DMII OTH NT ST UNCINTRLD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25081         | DMII OTH NT ST UNCINTRLD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25082         | DMII OTH UNCINTRLD         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25083         | DMII OTH UNCINTRLD         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25090         | DMII UNSPF NT ST UNCINTRL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25091         | DMII UNSPF NT ST UNCINTRLD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25092         | DMII UNSPF UNCINTRLD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 25093         | DMII UNSPF UNCINTRLD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF411      | Diabetes w/Chronic Complications   | 7751          | NEONAT DIABETES MELLITUS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF412      | Hypothyroidism                     | 243           | CONGENITAL HYPOTHYROIDISM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF412      | Hypothyroidism                     | 2440          | POSTSURGICAL HYPOTHYROID   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF412      | Hypothyroidism                     | 2441          | POSTABLAT HYPOTHYR NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF412      | Hypothyroidism                     | 2442          | IODINE HYPOTHYROIDISM      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF412      | Hypothyroidism                     | 2448          | ACQUIRED HYPOTHYROID NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF412      | Hypothyroidism                     | 2449          | HYPOTHYROIDISM NOS         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                      | 40301         | MAL HYP REN W REN FAIL     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                      | 40311         | BEN HYP RENAL W REN FAIL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                      | 40391         | HYP RENAL NOS W REN FAIL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                      | 40402         | MAL HY HT/REN W REN FAIL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor | Risk Factor Short Name                  | ICD-9-CM Code | Description               | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|---|---------------|---------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 40403         | MAL HYP HRT/REN W HF&RF   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 40412         | BEN HY HT/REN W REN FAIL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 40413         | BEN HYP HRT/REN W HF&RF   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 40492         | HY HT/REN NOS W REN FAIL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 40493         | HYP HRT/REN NOS W HF&RF   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 5851          | CHRO KIDNEY DIS STAGE I   | 10/1/2005               | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 5852          | CHRO KIDNEY DIS STAGE II  | 10/1/2005               | 2Q2006                 | 10/1/2006         |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 5853          | CHRO KIDNEY DIS STAGE III | 10/1/2005               | 2Q2006                 | 10/1/2006         |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 5854          | CHRO KIDNEY DIS STAGE IV  | 10/1/2005               | 2Q2006                 | 10/1/2006         |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 5855          | CHRO KIDNEY DIS STAGE V   | 10/1/2005               | 2Q2006                 | 10/1/2006         |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 5856          | END STAGE RENAL DISEASE   | 10/1/2005               | 2Q2006                 | 10/1/2006         |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 5859          | CHRONIC KIDNEY DIS NOS    | 10/1/2005               | 2Q2006                 | 10/1/2006         |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | 586           | RENAL FAILURE NOS         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | V420          | KIDNEY TRANSPLANT STATUS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | V4511         | RENAL DIALYSIS STATUS     | 10/1/2008               | 4Q2008                 | 9/23/2008         |                            | 2.5     | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | V560          | RENAL DIALYSIS ENCOUNTER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | V561          | FT/ADJ XTRCORP DIAL CATH  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | V562          | FIT/ADJ PERIT DIAL CATH   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF413      | Renal Failure                           | V568          | DIALYSIS ENCOUNTER, NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 07022         | HPT B CHR N COMA WO DLTA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 07023         | PT B CHR N COMA W DLTA    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 07032         | PT B CHR N WO CM WO DLTA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 07033         | HPT B CHR N WO CM W DLTA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 07044         | CHRN C HPT C W HEPAT COMA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 07054         | CHRN C HPT C WO HPAT COMA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 4560          | ESOPHAG VARICES W BLEED   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 4561          | ESOPH VARICES W/O BLEED   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 45620         | BLEED ESOPH VAR OTH DIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 45621         | ESOPH VARICE OTH DIS NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 5710          | ALCOHOLIC FATTY LIVER     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 5712          | ALCOHOL CIRRHOSIS LIVER   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 5713          | ALCOHOL LIVER DAMAGE NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 57140         | CHRONIC HEPATITIS NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 57141         | CHR PERSISTENT HEPATITIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 57149         | CHRONIC HEPATITIS NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 5715          | CIRRHOSIS OF LIVER NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 5716          | BILIARY CIRRHOSIS         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 5718          | CHRONIC LIVER DIS NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 5719          | CHRONIC LIVER DIS NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 5723          | PORTAL HYPERTENSION       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | 5728          | OTH SEQUELA, CHR LIV DIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF414      | Liver Disease                           | V427          | LIVER TRANSPLANT STATUS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53141         | CHR STOM ULC W HEM-OBSTR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53151         | CHR STOM ULC W PERF-OBST  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53161         | CHR STOM ULC HEM/PERF-OB  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53171         | CHR STOMACH ULC NOS-OBST  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53191         | STOMACH ULCER NOS-OBSTR   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53241         | CHR DUODEN ULC HEM-OBSTR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53251         | CHR DUODEN ULC PERF-OBST  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53261         | CHR DUOD ULC HEM/PERF-OB  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53271         | CHR DUODEN ULC NOS-OBSTR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53291         | DUODENAL ULCER NOS-OBSTR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53341         | CHR PEPTIC ULC W HEM-OBS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53351         | CHR PEPTIC ULC PERF-OBST  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53361         | CHR PEPT ULC HEM/PERF-OB  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53371         | CHR PEPTIC ULCER NOS-OBS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53391         | PEPTIC ULCER NOS-OBSTRUC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53441         | CHR MARGIN ULC W HEM-OBS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53451         | CHR MARGIN ULC PERF-OBST  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53461         | CHR MARG ULC HEM/PERF-OB  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53471         | CHR MARGINAL ULC NOS-OBS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | 53491         | GASTROEJUN ULC NOS-OBST   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor | Risk Factor Short Name                  | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|---|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF415      | Peptic Ulcer Disease Including Bleeding | V1271         | PRSNL HST PEPTIC ULCR DS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF416      | HIV and AIDS                            | 042           | HUMAN IMMUNO VIRUS DIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20000         | RETCLSRC UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20001         | RETICULOSARCOMA HEAD     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20002         | RETICULOSARCOMA THORAX   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20003         | RETICULOSARCOMA ABDOM    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20004         | RETICULOSARCOMA AXILLA   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20005         | RETICULOSARCOMA INGUIN   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20006         | RETICULOSARCOMA PELVIC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20007         | RETICULOSARCOMA SPLEEN   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20008         | RETICULOSARCOMA MULT     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20010         | LYMPHSRC UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20011         | LYMPHOSARCOMA HEAD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20012         | LYMPHOSARCOMA THORAX     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20013         | LYMPHOSARCOMA ABDOM      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20014         | LYMPHOSARCOMA AXILLA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20015         | LYMPHOSARCOMA INGUIN     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20016         | LYMPHOSARCOMA PELVIC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20017         | LYMPHOSARCOMA SPLEEN     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20018         | LYMPHOSARCOMA MULT       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20020         | BRKT TMR UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20021         | BURKITT'S TUMOR HEAD     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20022         | BURKITT'S TUMOR THORAX   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20023         | BURKITT'S TUMOR ABDOM    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20024         | BURKITT'S TUMOR AXILLA   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20025         | BURKITT'S TUMOR INGUIN   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20026         | BURKITT'S TUMOR PELVIC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20027         | BURKITT'S TUMOR SPLEEN   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20028         | BURKITT'S TUMOR MULT     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20080         | OTH VARN UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20081         | MIXED LYMPHOSARC HEAD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20082         | MIXED LYMPHOSARC THORAX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20083         | MIXED LYMPHOSARC ABDOM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20084         | MIXED LYMPHOSARC AXILLA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20085         | MIXED LYMPHOSARC INGUIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20086         | MIXED LYMPHOSARC PELVIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20087         | MIXED LYMPHOSARC SPLEEN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20088         | MIXED LYMPHOSARC MULT    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20100         | HDBG PRG UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20101         | HODGKINS PARAGRAN HEAD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20102         | HODGKINS PARAGRAN THORAX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20103         | HODGKINS PARAGRAN ABDOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20104         | HODGKINS PARAGRAN AXILLA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20105         | HODGKINS PARAGRAN INGUIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20106         | HODGKINS PARAGRAN PELVIC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20107         | HODGKINS PARAGRAN SPLEEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20108         | HODGKINS PARAGRAN MULT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20110         | HDBG GRN UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20111         | HODGKINS GRANULOM HEAD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20112         | HODGKINS GRANULOM THORAX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20113         | HODGKINS GRANULOM ABDOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20114         | HODGKINS GRANULOM AXILLA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20115         | HODGKINS GRANULOM INGUIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20116         | HODGKINS GRANULOM PELVIC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20117         | HODGKINS GRANULOM SPLEEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20118         | HODGKINS GRANULOM MULT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20120         | HDBG SRC UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20121         | HODGKINS SARCOMA HEAD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20122         | HODGKINS SARCOMA THORAX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20123         | HODGKINS SARCOMA ABDOM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20124         | HODGKINS SARCOMA AXILLA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                                | 20125         | HODGKINS SARCOMA INGUIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20126         | HODGKINS SARCOMA PELVIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20127         | HODGKINS SARCOMA SPLEEN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20128         | HODGKINS SARCOMA MULT    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20140         | LYM-HST UNSP XTRNDL ORGN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20141         | HODG LYMPH-HISTIO HEAD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20142         | HODG LYMPH-HISTIO THORAX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20143         | HODG LYMPH-HISTIO ABDOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20144         | HODG LYMPH-HISTIO AXILLA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20145         | HODG LYMPH-HISTIO INGUIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20146         | HODG LYMPH-HISTIO PELVIC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20147         | HODG LYMPH-HISTIO SPLEEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20148         | HODG LYMPH-HISTIO MULT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20150         | NDR SCLR UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20151         | HODG NODUL SCLERO HEAD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20152         | HODG NODUL SCLERO THORAX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20153         | HODG NODUL SCLERO ABDOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20154         | HODG NODUL SCLERO AXILLA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20155         | HODG NODUL SCLERO INGUIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20156         | HODG NODUL SCLERO PELVIC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20157         | HODG NODUL SCLERO SPLEEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20158         | HODG NODUL SCLERO MULT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20160         | MXD CELR UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20161         | HODGKINS MIX CELL HEAD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20162         | HODGKINS MIX CELL THORAX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20163         | HODGKINS MIX CELL ABDOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20164         | HODGKINS MIX CELL AXILLA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20165         | HODGKINS MIX CELL INGUIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20166         | HODGKINS MIX CELL PELVIC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20167         | HODGKINS MIX CELL SPLEEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20168         | HODGKINS MIX CELL MULT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20170         | LYM DPLT UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20171         | HODG LYMPH DEPLET HEAD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20172         | HODG LYMPH DEPLET THORAX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20173         | HODG LYMPH DEPLET ABDOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20174         | HODG LYMPH DEPLET AXILLA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20175         | HODG LYMPH DEPLET INGUIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20176         | HODG LYMPH DEPLET PELVIC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20177         | HODG LYMPH DEPLET SPLEEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20178         | HODG LYMPH DEPLET MULT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20190         | HODG DIS UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20191         | HODGKINS DIS NOS HEAD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20192         | HODGKINS DIS NOS THORAX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20193         | HODGKINS DIS NOS ABDOM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20194         | HODGKINS DIS NOS AXILLA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20195         | HODGKINS DIS NOS INGUIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20196         | HODGKINS DIS NOS PELVIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20197         | HODGKINS DIS NOS SPLEEN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20198         | HODGKINS DIS NOS MULT    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20200         | NDLR LYM UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20201         | NODULAR LYMPHOMA HEAD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20202         | NODULAR LYMPHOMA THORAX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20203         | NODULAR LYMPHOMA ABDOM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20204         | NODULAR LYMPHOMA AXILLA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20205         | NODULAR LYMPHOMA INGUIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20206         | NODULAR LYMPHOMA PELVIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20207         | NODULAR LYMPHOMA SPLEEN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20208         | NODULAR LYMPHOMA MULT    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20210         | MYCS FNG UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20211         | MYCOSIS FUNGOIDES HEAD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20212         | MYCOSIS FUNGOIDES THORAX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20213         | MYCOSIS FUNGOIDES ABDOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20214         | MYCOSIS FUNGOIDES AXILLA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20215         | MYCOSIS FUNGOIDES INGUIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20216         | MYCOSIS FUNGOIDES PELVIC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20217         | MYCOSIS FUNGOIDES SPLEEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20218         | MYCOSIS FUNGOIDES MULT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20220         | SZRY DIS UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20221         | SEZARY'S DISEASE HEAD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20222         | SEZARY'S DISEASE THORAX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20223         | SEZARY'S DISEASE ABDOM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20224         | SEZARY'S DISEASE AXILLA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20225         | SEZARY'S DISEASE INGUIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20226         | SEZARY'S DISEASE PELVIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20227         | SEZARY'S DISEASE SPLEEN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20228         | SEZARY'S DISEASE MULT    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20230         | MLG HIST UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20231         | MAL HISTIOCYTOSIS HEAD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20232         | MAL HISTIOCYTOSIS THORAX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20233         | MAL HISTIOCYTOSIS ABDOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20234         | MAL HISTIOCYTOSIS AXILLA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20235         | MAL HISTIOCYTOSIS INGUIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20236         | MAL HISTIOCYTOSIS PELVIC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20237         | MAL HISTIOCYTOSIS SPLEEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20238         | MAL HISTIOCYTOSIS MULT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20250         | LTR-SIWE UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20251         | LETTERER-SIWE DIS HEAD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20252         | LETTERER-SIWE DIS THORAX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20253         | LETTERER-SIWE DIS ABDOM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20254         | LETTERER-SIWE DIS AXILLA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20255         | LETTERER-SIWE DIS INGUIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20256         | LETTERER-SIWE DIS PELVIC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20257         | LETTERER-SIWE DIS SPLEEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20258         | LETTERER-SIWE DIS MULT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20260         | MLG MAST UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20261         | MAL MASTOCYTOSIS HEAD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20262         | MAL MASTOCYTOSIS THORAX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20263         | MAL MASTOCYTOSIS ABDOM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20264         | MAL MASTOCYTOSIS AXILLA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20265         | MAL MASTOCYTOSIS INGUIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20266         | MAL MASTOCYTOSIS PELVIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20267         | MAL MASTOCYTOSIS SPLEEN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20268         | MAL MASTOCYTOSIS MULT    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20280         | OTH LYMP UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20281         | LYMPHOMAS NEC HEAD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20282         | LYMPHOMAS NEC THORAX     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20283         | LYMPHOMAS NEC ABDOM      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20284         | LYMPHOMAS NEC AXILLA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20285         | LYMPHOMAS NEC INGUIN     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20286         | LYMPHOMAS NEC PELVIC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20287         | LYMPHOMAS NEC SPLEEN     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20288         | LYMPHOMAS NEC MULT       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20290         | UNSP LYM UNSP XTRNDL ORG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20291         | LYMPHOID MAL NEC HEAD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20292         | LYMPHOID MAL NEC THORAX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20293         | LYMPHOID MAL NEC ABDOM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20294         | LYMPHOID MAL NEC AXILLA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20295         | LYMPHOID MAL NEC INGUIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20296         | LYMPHOID MAL NEC PELVIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20297         | LYMPHOID MAL NEC SPLEEN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20298         | LYMPHOID MAL NEC MULT    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20300         | MULT MYELM W/O REMISSION | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20301         | MULT MYELM W REMISSION   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20380         | OTH IMNPRFL NPL W/O RMSN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma               | 20381         | OTH IMNPRFL NPL W RMSN   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name     | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|----------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                   | 2386          | PLASMACYTOMA NOS         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                   | 2733          | MACROGLOBULINEMIA        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                   | V1071         | HX-LYMPHOSARCOMA         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                   | V1072         | HX-HODGKIN'S DISEASE     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF417      | Lymphoma                   | V1079         | HX-LYMPHATIC MALIGN NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1960          | MAL NEO LYMPH-HEAD/NECK  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1961          | MAL NEO LYMPH-INTRATHOR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1962          | MAL NEO LYMPH INTRA-ABD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1963          | MAL NEO LYMPH-AXILLA/ARM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1965          | MAL NEO LYMPH-INGUIN/LEG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1966          | MAL NEO LYMPH-INTRAPELV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1968          | MAL NEO LYMPH NODE-MULT  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1969          | MAL NEO LYMPH NODE NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1970          | SECONDARY MALIG NEO LUNG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1971          | SEC MAL NEO MEDIASTINUM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1972          | SECOND MALIG NEO PLEURA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1973          | SEC MALIG NEO RESP NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1974          | SEC MALIG NEO SM BOWEL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1975          | SEC MALIG NEO LG BOWEL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1976          | SEC MAL NEO PERITONEUM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1977          | SECOND MALIG NEO LIVER   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1978          | SEC MAL NEO GI NEC       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1980          | SECOND MALIG NEO KIDNEY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1981          | SEC MALIG NEO URIN NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1982          | SECONDARY MALIG NEO SKIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1983          | SEC MAL NEO BRAIN/SPINE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1984          | SEC MALIG NEO NERVE NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1985          | SECONDARY MALIG NEO BONE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1986          | SECOND MALIG NEO OVARY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1987          | SECOND MALIG NEO ADRENAL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 19881         | SECOND MALIG NEO BREAST  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 19882         | SECOND MALIG NEO GENITAL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 19889         | SECONDARY MALIG NEO NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1990          | MALIG NEO DISSEMINATED   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF418      | Metastatic Cancer          | 1991          | MALIGNANT NEOPLASM NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1400          | MAL NEO UPPER VERMILION  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1401          | MAL NEO LOWER VERMILION  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1403          | MAL NEO UPPER LIP, INNER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1404          | MAL NEO LOWER LIP, INNER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1405          | MAL NEO LIP, INNER NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1406          | MAL NEO LIP, COMMISSURE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1408          | MAL NEO LIP NEC          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1409          | MAL NEO LIP/VERMIL NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1410          | MAL NEO TONGUE BASE      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1411          | MAL NEO DORSAL TONGUE    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1412          | MAL NEO TIP/LAT TONGUE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1413          | MAL NEO VENTRAL TONGUE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1414          | MAL NEO ANT 2/3 TONGUE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1415          | MAL NEO TONGUE JUNCTION  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1416          | MAL NEO LINGUAL TONSIL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1418          | MALIG NEO TONGUE NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1419          | MALIG NEO TONGUE NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1420          | MALIG NEO PAROTID        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1421          | MALIG NEO SUBMANDIBULAR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1422          | MALIG NEO SUBLINGUAL     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1428          | MAL NEO MAJ SALIVARY NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1429          | MAL NEO SALIVARY NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1430          | MALIG NEO UPPER GUM      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1431          | MALIG NEO LOWER GUM      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1438          | MALIG NEO GUM NEC        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1439          | MALIG NEO GUM NOS        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1440          | MAL NEO ANT FLOOR MOUTH  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name     | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|----------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1441          | MAL NEO LAT FLOOR MOUTH  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1448          | MAL NEO MOUTH FLOOR NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1449          | MAL NEO MOUTH FLOOR NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1450          | MAL NEO CHEEK MUCOSA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1451          | MAL NEO MOUTH VESTIBULE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1452          | MALIG NEO HARD PALATE    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1453          | MALIG NEO SOFT PALATE    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1454          | MALIGNANT NEOPLASM UVULA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1455          | MALIGNANT NEO PALATE NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1456          | MALIG NEO RETROMOLAR     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1458          | MALIG NEOPLASM MOUTH NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1459          | MALIG NEOPLASM MOUTH NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1460          | MALIGNANT NEOPL TONSIL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1461          | MAL NEO TONSILLAR FOSSA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1462          | MAL NEO TONSIL PILLARS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1463          | MALIG NEOPL VALLECULA    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1464          | MAL NEO ANT EPIGLOTTIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1465          | MAL NEO EPIGLOTTIS JUNCT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1466          | MAL NEO LAT OROPHARYNX   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1467          | MAL NEO POST OROPHARYNX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1468          | MAL NEO OROPHARYNX NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1469          | MALIG NEO OROPHARYNX NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1470          | MAL NEO SUPER NASOPHARYN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1471          | MAL NEO POST NASOPHARYNX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1472          | MAL NEO LAT NASOPHARYNX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1473          | MAL NEO ANT NASOPHARYNX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1478          | MAL NEO NASOPHARYNX NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1479          | MAL NEO NASOPHARYNX NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1480          | MAL NEO POSTCRICOID      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1481          | MAL NEO PYRIFORM SINUS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1482          | MAL NEO ARYEPGLOTT FOLD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1483          | MAL NEO POST HYPOPHARYNX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1488          | MAL NEO HYPOPHARYNX NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1489          | MAL NEO HYPOPHARYNX NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1490          | MAL NEO PHARYNX NOS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1491          | MAL NEO WALDEYER'S RING  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1498          | MAL NEO ORAL/PHARYNX NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1499          | MAL NEO OROPHRYN ILL-DEF | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1500          | MAL NEO CERVICAL ESOPHAG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1501          | MAL NEO THORACIC ESOPHAG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1502          | MAL NEO ABDOMIN ESOPHAG  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1503          | MAL NEO UPPER 3RD ESOPH  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1504          | MAL NEO MIDDLE 3RD ESOPH | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1505          | MAL NEO LOWER 3RD ESOPH  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1508          | MAL NEO ESOPHAGUS NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1509          | MAL NEO ESOPHAGUS NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1510          | MAL NEO STOMACH CARDIA   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1511          | MALIGNANT NEO PYLORUS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1512          | MAL NEO PYLORIC ANTRUM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1513          | MAL NEO STOMACH FUNDUS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1514          | MAL NEO STOMACH BODY     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1515          | MAL NEO STOM LESSER CURV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1516          | MAL NEO STOM GREAT CURV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1518          | MALIG NEOPL STOMACH NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1519          | MALIG NEOPL STOMACH NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1520          | MALIGNANT NEOPL DUODENUM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1521          | MALIGNANT NEOPL JEJUNUM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1522          | MALIGNANT NEOPLASM ILEUM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1523          | MAL NEO MECKEL'S DIVERT  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1528          | MAL NEO SMALL BOWEL NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1529          | MAL NEO SMALL BOWEL NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1530          | MAL NEO HEPATIC FLEXURE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name     | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|----------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1531          | MAL NEO TRANSVERSE COLON | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1532          | MALIG NEO DESCEND COLON  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1533          | MAL NEO SIGMOID COLON    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1534          | MALIGNANT NEOPLASM CECUM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1535          | MALIGNANT NEO APPENDIX   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1536          | MALIG NEO ASCEND COLON   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1537          | MAL NEO SPLENIC FLEXURE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1538          | MALIGNANT NEO COLON NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1539          | MALIGNANT NEO COLON NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1540          | MAL NEO RECTOSIGMOID JCT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1541          | MALIGNANT NEOPL RECTUM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1542          | MALIG NEOPL ANAL CANAL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1543          | MALIGNANT NEO ANUS NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1548          | MAL NEO RECTUM/ANUS NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1550          | MAL NEO LIVER, PRIMARY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1551          | MAL NEO INTRAHEPAT DUCTS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1552          | MALIGNANT NEO LIVER NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1560          | MALIG NEO GALLBLADDER    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1561          | MAL NEO EXTRAHEPAT DUCTS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1562          | MAL NEO AMPULLA OF VATER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1568          | MALIG NEO BILIARY NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1569          | MALIG NEO BILIARY NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1570          | MAL NEO PANCREAS HEAD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1571          | MAL NEO PANCREAS BODY    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1572          | MAL NEO PANCREAS TAIL    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1573          | MAL NEO PANCREATIC DUCT  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1574          | MAL NEO ISLET LANGERHANS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1578          | MALIG NEO PANCREAS NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1579          | MALIG NEO PANCREAS NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1580          | MAL NEO RETROPERITONEUM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1588          | MAL NEO PERITONEUM NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1589          | MAL NEO PERITONEUM NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1590          | MALIG NEO INTESTINE NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1591          | MALIGNANT NEO SPLEEN NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1598          | MAL NEO GI/INTRA-ABD NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1599          | MAL NEO GI TRACT ILL-DEF | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1600          | MAL NEO NASAL CAVITIES   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1601          | MALIG NEO MIDDLE EAR     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1602          | MAL NEO MAXILLARY SINUS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1603          | MAL NEO ETHMOIDAL SINUS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1604          | MALIG NEO FRONTAL SINUS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1605          | MAL NEO SPHENOID SINUS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1608          | MAL NEO ACCESS SINUS NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1609          | MAL NEO ACCESS SINUS NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1610          | MALIGNANT NEO GLOTTIS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1611          | MALIG NEO SUPRAGLOTTIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1612          | MALIG NEO SUBGLOTTIS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1613          | MAL NEO CARTILAGE LARYNX | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1618          | MALIGNANT NEO LARYNX NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1619          | MALIGNANT NEO LARYNX NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1620          | MALIGNANT NEO TRACHEA    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1622          | MALIG NEO MAIN BRONCHUS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1623          | MAL NEO UPPER LOBE LUNG  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1624          | MAL NEO MIDDLE LOBE LUNG | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1625          | MAL NEO LOWER LOBE LUNG  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1628          | MAL NEO BRONCH/LUNG NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1629          | MAL NEO BRONCH/LUNG NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1630          | MAL NEO PARIETAL PLEURA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1631          | MAL NEO VISCERAL PLEURA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1638          | MALIG NEOPL PLEURA NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1639          | MALIG NEOPL PLEURA NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1640          | MALIGNANT NEOPL THYMUS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name     | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type:<br>D=Diag,<br>P=Proc |
|------------------------------------|-------------|----------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------------|
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1641          | MALIGNANT NEOPL HEART    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1642          | MAL NEO ANT MEDIASTINUM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1643          | MAL NEO POST MEDIASTINUM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1648          | MAL NEO MEDIASTINUM NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1649          | MAL NEO MEDIASTINUM NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1650          | MAL NEO UPPER RESP NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1658          | MAL NEO THORAX/RESP NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1659          | MAL NEO RESP SYSTEM NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1700          | MAL NEO SKULL/FACE BONE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1701          | MALIGNANT NEO MANDIBLE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1702          | MALIG NEO VERTEBRAE      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1703          | MAL NEO RIBS/STERN/CLAV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1704          | MAL NEO LONG BONES ARM   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1705          | MAL NEO BONES WRIST/HAND | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1706          | MAL NEO PELVIC GIRDLE    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1707          | MAL NEO LONG BONES LEG   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1708          | MAL NEO BONES ANKLE/FOOT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1709          | MALIG NEOPL BONE NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1710          | MAL NEO SOFT TISSUE HEAD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1712          | MAL NEO SOFT TISSUE ARM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1713          | MAL NEO SOFT TISSUE LEG  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1714          | MAL NEO SOFT TIS THORAX  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1715          | MAL NEO SOFT TIS ABDOMEN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1716          | MAL NEO SOFT TIS PELVIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1717          | MAL NEOPL TRUNK NOS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1718          | MAL NEO SOFT TISSUE NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1719          | MAL NEO SOFT TISSUE NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1720          | MALIG MELANOMA LIP       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1721          | MALIG MELANOMA EYELID    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1722          | MALIG MELANOMA EAR       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1723          | MAL MELANOM FACE NEC/NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1724          | MAL MELANOMA SCALP/NECK  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1725          | MALIG MELANOMA TRUNK     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1726          | MALIG MELANOMA ARM       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1727          | MALIG MELANOMA LEG       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1728          | MALIG MELANOMA SKIN NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1729          | MALIG MELANOMA SKIN NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1740          | MALIG NEO NIPPLE         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1741          | MAL NEO BREAST-CENTRAL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1742          | MAL NEO BREAST UP-INNER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1743          | MAL NEO BREAST LOW-INNER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1744          | MAL NEO BREAST UP-OUTER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1745          | MAL NEO BREAST LOW-OUTER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1746          | MAL NEO BREAST-AXILLARY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1748          | MALIG NEOPL BREAST NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1749          | MALIG NEOPL BREAST NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1750          | MAL NEO MALE NIPPLE      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1759          | MAL NEO MALE BREAST NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 179           | MALIG NEOPL UTERUS NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1800          | MALIG NEO ENDOCERVIX     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1801          | MALIG NEO EXOCERVIX      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1808          | MALIG NEO CERVIX NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1809          | MAL NEO CERVIX UTERI NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 181           | MALIGNANT NEOPL PLACENTA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1820          | MALIG NEO CORPUS UTERI   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1821          | MAL NEO UTERINE ISTHMUS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1828          | MAL NEO BODY UTERUS NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1832          | MAL NEO FALLOPIAN TUBE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1833          | MAL NEO BROAD LIGAMENT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1834          | MALIG NEO PARAMETRIUM    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1835          | MAL NEO ROUND LIGAMENT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1838          | MAL NEO ADNEXA NEC       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1839          | MAL NEO ADNEXA NOS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name     | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|----------------------------|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1840          | MALIGN NEOPL VAGINA      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1841          | MAL NEO LABIA MAJORA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1842          | MAL NEO LABIA MINORA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1843          | MALIGN NEOPL CLITORIS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1844          | MALIGN NEOPL VULVA NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1848          | MAL NEO FEMALE GENIT NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1849          | MAL NEO FEMALE GENIT NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 185           | MALIGN NEOPL PROSTATE    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1860          | MAL NEO UNDESCEND TESTIS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1869          | MALIG NEO TESTIS NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1871          | MALIGN NEOPL PREPUCE     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1872          | MALIG NEO GLANS PENIS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1873          | MALIG NEO PENIS BODY     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1874          | MALIG NEO PENIS NOS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1875          | MALIG NEO EPIDIDYMIS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1876          | MAL NEO SPERMATIC CORD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1877          | MALIGN NEOPL SCROTUM     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1878          | MAL NEO MALE GENITAL NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1879          | MAL NEO MALE GENITAL NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1880          | MAL NEO BLADDER-TRIGONE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1881          | MAL NEO BLADDER-DOME     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1882          | MAL NEO BLADDER-LATERAL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1883          | MAL NEO BLADDER-ANTERIOR | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1884          | MAL NEO BLADDER-POST     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1885          | MAL NEO BLADDER NECK     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1886          | MAL NEO URETERIC ORIFICE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1887          | MALIG NEO URACHUS        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1888          | MALIG NEO BLADDER NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1889          | MALIG NEO BLADDER NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1890          | MALIG NEOPL KIDNEY       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1891          | MALIG NEO RENAL PELVIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1892          | MALIGN NEOPL URETER      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1893          | MALIGN NEOPL URETHRA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1894          | MAL NEO PARAURETHRAL     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1898          | MAL NEO URINARY NEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1899          | MAL NEO URINARY NOS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1900          | MALIGN NEOPL EYEBALL     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1901          | MALIGN NEOPL ORBIT       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1902          | MAL NEO LACRIMAL GLAND   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1903          | MAL NEO CONJUNCTIVA      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1904          | MALIGN NEOPL CORNEA      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1905          | MALIGN NEOPL RETINA      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1906          | MALIGN NEOPL CHOROIOD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1907          | MAL NEO LACRIMAL DUCT    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1908          | MALIGN NEOPL EYE NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1909          | MALIGN NEOPL EYE NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1910          | MALIGN NEOPL CEREBRUM    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1911          | MALIG NEO FRONTAL LOBE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1912          | MAL NEO TEMPORAL LOBE    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1913          | MAL NEO PARIETAL LOBE    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1914          | MAL NEO OCCIPITAL LOBE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1915          | MAL NEO CEREB VENTRICLE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1916          | MAL NEO CEREBELLUM NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1917          | MAL NEO BRAIN STEM       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1918          | MALIG NEO BRAIN NEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1919          | MALIG NEO BRAIN NOS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1920          | MAL NEO CRANIAL NERVES   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1921          | MAL NEO CEREBRAL MENING  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1922          | MAL NEO SPINAL CORD      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1923          | MAL NEO SPINAL MENINGES  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1928          | MAL NEO NERVOUS SYST NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis | 1929          | MAL NEO NERVOUS SYST NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name                          | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|---|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 193           | MALIGN NEOPL THYROID     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1940          | MALIGN NEOPL ADRENAL     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1941          | MALIG NEO PARATHYROID    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1943          | MALIG NEO PITUITARY      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1944          | MALIGN NEO PINEAL GLAND  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1945          | MAL NEO CAROTID BODY     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1946          | MAL NEO PARAGANGLIA NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1948          | MAL NEO ENDOCRINE NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1949          | MAL NEO ENDOCRINE NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1950          | MAL NEO HEAD/FACE/NECK   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1951          | MALIGN NEOPL THORAX      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1952          | MALIG NEO ABDOMEN        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1953          | MALIG NEOPL PELVIS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1954          | MALIG NEOPL ARM          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1955          | MALIG NEOPL LEG          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | 1958          | MALIG NEO SITE NEC       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1000         | HX OF GI MALIGNANCY NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1001         | HX OF TONGUE MALIGNANCY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1002         | HX-ORAL/PHARYNX MALG NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1003         | HX-ESOPHAGEAL MALIGNANCY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1004         | HX OF GASTRIC MALIGNANCY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1005         | HX OF COLONIC MALIGNANCY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1006         | HX-RECTAL & ANAL MALIGN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1007         | HX OF LIVER MALIGNANCY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1009         | HX OF GI MALIGNANCY NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1011         | HX-BRONCHOGENIC MALIGNAN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1012         | HX-TRACHEAL MALIGNANCY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1020         | HX-RESP ORG MALIGNAN NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1021         | HX-LARYNGEAL MALIGNANCY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1022         | HX-NOSE/EAR/SINUS MALIG  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1029         | HX-INTRATHORACIC MAL NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V103          | HX OF BREAST MALIGNANCY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1040         | HX-FEMALE GENIT MALG NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1041         | HX-CERVICAL MALIGNANCY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1042         | HX-UTERUS MALIGNANCY NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1043         | HX OF OVARIAN MALIGNANCY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1044         | HX-FEMALE GENIT MALG NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1045         | HX-MALE GENIT MALIG NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1046         | HX-PROSTATIC MALIGNANCY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1047         | HX-TESTICULAR MALIGNANCY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1048         | HX-EPIDIDYMIS MALIGNANCY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1049         | HX-MALE GENIT MALIG NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1050         | HX-URINARY MALIGNAN NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1051         | HX OF BLADDER MALIGNANCY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1052         | HX OF KIDNEY MALIGNANCY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1053         | HX MALIG RENAL PELVIS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1059         | HX-URINARY MALIGNAN NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1081         | HX OF BONE MALIGNANCY    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1082         | HX-MALIG SKIN MELANOMA   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1083         | HX-SKIN MALIGNANCY NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1084         | HX OF EYE MALIGNANCY     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1085         | HX OF BRAIN MALIGNANCY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1086         | HX-MALIGN NERVE SYST NEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1087         | HX OF THYROID MALIGNANCY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1088         | HX-ENDOCRINE MALIGN NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V1089         | HX OF MALIGNANCY NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF419      | Solid Tumor w/o Metastasis                      | V109          | HX OF MALIGNANCY NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7010          | CIRCUMSCRIBE SCLERODERMA | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7100          | SYSTEMIC SCLEROSIS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7101          | SYSTEMIC SCLEROSIS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7102          | SICCA SYNDROME           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7103          | DERMATOMYOSITIS          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor | Risk Factor Short Name                          | ICD-9-CM Code | Description                                     | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|---|---------------|---|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7104          | POLYMYOSITIS                                    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7105          | EOSINOPHILIA MYALGIA SND                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7108          | DIFF CONNECT TIS DIS NEC                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7109          | DIFF CONNECT TIS DIS NOS                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7140          | RHEUMATOID ARTHRITIS                            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7141          | FELTY'S SYNDROME                                | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7142          | SYST RHEUM ARTHRITIS NEC                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 71430         | JUV RHEUM ARTHRITIS NOS                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 71431         | POLYART JUV RHEUM ARTHR                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 71432         | PAUCIART JUV RHEUM ARTHR                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 71433         | MONOART JUV RHEUM ARTHR                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7144          | CHR POSTRHEUM ARTHRITIS                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 71481         | RHEUMATOID LUNG                                 | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 71489         | INFLAMM POLYARTHROP NEC                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7149          | INFLAMM POLYARTHROP NOS                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7200          | ANKYLOSING SPONDYLITIS                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7201          | SPINAL ENTHESOPATHY                             | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7202          | SACROLITIS NEC                                  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 72081         | SPONDYLOPATHY IN OTH DIS                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 72089         | INFLAM SPONDYLOPATHY NEC                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 7209          | RHEUMATOID ARTHRITIS/COLLAGEN VASCULAR DISEASES | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF420      | Rheumatoid Arthritis/Collagen Vascular Diseases | 725           | POLYMYALGIA RHEUMATICA                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2860          | CONG FACTOR VIII DIORD                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2861          | CONG FACTOR IX DISORDER                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2862          | CONG FACTOR XI DISORDER                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2863          | CONG DEF CLOT FACTOR NEC                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2864          | VON WILLEBRAND'S DISEASE                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2865          | INTR CIRCUL ANTICOAG DIS                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2866          | DEFIBRINATION SYNDROME                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2867          | ACQ COAGUL FACTOR DEFIC                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2869          | COAGULAT DEFECT NEC/NOS                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2871          | THROMBOCYTOPATHY                                | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 28730         | PRIMARY THROMBOCYTOPENIA, UNSPEC                | 01/01/2005              | 4Q2005                 | 05/21/2006        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 28731         | IMMUNE THROMBOCYTOPENIC PURPURA                 | 10/01/2005              | 4Q2005                 | 05/21/2006        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 28732         | EVANS' SYNDROME                                 | 10/01/2005              | 4Q2005                 | 05/21/2006        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 28733         | CONGENITAL AND HEREDITARY THROMBOCYTOPENIA      | 10/01/2005              | 4Q2005                 | 05/21/2006        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 28739         | OTHER PRIMARY THROMBOCYTOPENIA                  | 10/01/2005              | 4Q2005                 | 05/21/2006        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2874          | SECOND THROMBOCYTOPENIA                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 2875          | THROMBOCYTOPENIA NOS                            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 28981         | PRIM HYPERCOAGULABLE ST                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF421      | Coagulopathy                                    | 28982         | SEC HYPERCOAGULABLE ST                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF422      | Obesity   | 27800         | OBESITY NOS                                     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF422      | Obesity   | 27801         | MORBID OBESITY                                  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF423      | Weight Loss                                     | 260           | KWASHIORKOR                                     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF423      | Weight Loss                                     | 261           | NUTRITIONAL MARASMUS                            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF423      | Weight Loss                                     | 262           | OTH SEVERE MALNUTRITION                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF423      | Weight Loss                                     | 2630          | MALNUTRITION MOD DEGREE                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF423      | Weight Loss                                     | 2631          | MALNUTRITION MILD DEGREE                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF423      | Weight Loss                                     | 2632          | ARREST DEVEL D/T MALNUTR                        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF423      | Weight Loss                                     | 2638          | PROTEIN-CAL MALNUTR NEC                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF423      | Weight Loss                                     | 2639          | PROTEIN-CAL MALNUTR NOS                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 2760          | HYPEROSMOLALITY                                 | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 2761          | HYPOSOMOLALITY                                  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 2762          | ACIDOSIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 2763          | ALKALOSIS                                       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 2764          | MIXED ACID-BASE BAL DIS                         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 27650         | VOLUME DEPLETION NOS                            | 10/01/2005              | 4Q2005                 | 07/01/2006        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 27651         | DEHYDRATION                                     | 10/01/2005              | 4Q2005                 | 07/01/2006        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 27652         | HYPOVOLEMIA                                     | 10/01/2005              | 4Q2005                 | 07/01/2006        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 2766          | FLUID OVERLOAD                                  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 2767          | HYPERPOTASSEMIA                                 | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder                  | 2768          | HYPOPOTASSEMIA                                  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor | Risk Factor Short Name         | ICD-9-CM Code | Description               | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|--------------------------------|---------------|---------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF424      | Fluid and Electrolyte Disorder | 2769          | ELECTROLYT/FLUID DIS NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF425      | Blood Lose Anemias             | 2800          | CHR BLOOD LOSS ANEMIA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF425      | Blood Lose Anemias             | 2851          | AC POSTHEMORRHAG ANEMIA   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF425      | Blood Lose Anemias             | 64820         | ANEMIA IN PREG-UNSPEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF425      | Blood Lose Anemias             | 64821         | ANEMIA-DELIVERED          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF425      | Blood Lose Anemias             | 64822         | ANEMIA-DELIVERED W P/P    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF425      | Blood Lose Anemias             | 64823         | ANEMIA-ANTEPARTUM         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF425      | Blood Lose Anemias             | 64824         | ANEMIA-POSTPARTUM         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2801          | IRON DEF ANEMIA DIETARY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2808          | IRON DEFIC ANEMIA NEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2809          | IRON DEFIC ANEMIA NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2810          | PERNICIOUS ANEMIA         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2811          | B12 DEFIC ANEMIA NEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2812          | FOLATE-DEFICIENCY ANEMIA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2813          | MEGALOBlastic ANEMIA NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2814          | PROTEIN DEFIC ANEMIA      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2818          | NUTRITIONAL ANEMIA NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2819          | DEFICIENCY ANEMIA NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 28521         | ANEMIA IN ESRD            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 28522         | ANEMIA IN NEOPLASTIC DIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 28529         | ANEMIA-OTH CHRONIC ILL    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF426      | Deficiency Anemias             | 2859          | ANEMIA NOS                | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 2910          | DELIRIUM TREMENS          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 2911          | ALCOHOL AMNESTIC DISORDR  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 2912          | ALCOHOL PERSIST DEMENTIA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 2913          | ALCOH PSY DIS W HALLUCIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 2915          | ALCOH PSYCH DIS W DELUS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 29181         | ALCOHOL WITHDRAWAL        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 29189         | ALCOHOL MENTAL DISOR NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 2919          | ALCOHOL MENTAL DISOR NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30300         | AC ALCOHOL INTOX-UNSPEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30301         | AC ALCOHOL INTOX-CONTIN   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30302         | AC ALCOHOL INTOX-EPISOD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30303         | AC ALCOHOL INTOX-REMISS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30390         | ALCOH DEP NEC/NOS-UNSPEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30391         | ALCOH DEP NEC/NOS-CONTIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30392         | ALCOH DEP NEC/NOS-EPISOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30393         | ALCOH DEP NEC/NOS-REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30500         | ALCOHOL ABUSE-UNSPEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30501         | ALCOHOL ABUSE-CONTINUOUS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30502         | ALCOHOL ABUSE-EPISODIC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | 30503         | ALCOHOL ABUSE-IN REMISS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF427      | Alcohol Abuse                  | V113          | HX OF ALCOHOLISM          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 2920          | DRUG WITHDRAWAL           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 29281         | DRUG-INDUCED DELIRIUM     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 29282         | DRUG PERSISTING DEMENTIA  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 29283         | DRUG PERSIST AMNESTIC DIS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 29284         | DRUG-INDUCED MOOD DISORD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 29285         | DRUG INDUCED SLEEP DISOR  | 10/01/2005              | 4Q2005                 | 07/01/2006        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 29289         | DRUG MENTAL DISORDER NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 2929          | DRUG MENTAL DISORDER NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30400         | OPIOID DEPENDENCE-UNSPEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30401         | OPIOID DEPENDENCE-CONTIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30402         | OPIOID DEPENDENCE-EPISOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30403         | OPIOID DEPENDENCE-REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30410         | SED,HYP,ANXIOLYT DEP-NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30411         | SED,HYP,ANXIOLYT DEP-CON  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30412         | SED,HYP,ANXIOLYT DEP-EPI  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30413         | SED,HYP,ANXIOLYT DEP-REM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30420         | COCAINE DEPEND-UNSPEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30421         | COCAINE DEPEND-CONTIN     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse                     | 30422         | COCAINE DEPEND-EPISODIC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

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| Measure                            | Risk Factor | Risk Factor Short Name | ICD-9-CM Code | Description               | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|------------------------|---------------|---------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30423         | COCAINE DEPEND-REMISS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30430         | CANNABIS DEPEND-UNSPEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30431         | CANNABIS DEPEND-CONTIN    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30432         | CANNABIS DEPEND-EPISODIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30433         | CANNABIS DEPEND-REMISS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30440         | AMPHETAMIN DEPEND-UNSPEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30441         | AMPHETAMIN DEPEND-CONTIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30442         | AMPHETAMIN DEPEND-EPISOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30443         | AMPHETAMIN DEPEND-REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30450         | HALLUCINOGEN DEP-UNSPEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30451         | HALLUCINOGEN DEP-CONTIN   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30452         | HALLUCINOGEN DEP-EPISOD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30453         | HALLUCINOGEN DEP-REMISS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30460         | DRUG DEPEND NEC-UNSPEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30461         | DRUG DEPEND NEC-CONTIN    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30462         | DRUG DEPEND NEC-EPISODIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30463         | DRUG DEPEND NEC-IN REM    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30470         | OPIOID/OTHER DEP-UNSPEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30471         | OPIOID/OTHER DEP-CONTIN   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30472         | OPIOID/OTHER DEP-EPISOD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30473         | OPIOID/OTHER DEP-REMISS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30480         | COMB DRUG DEP NEC-UNSPEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30481         | COMB DRUG DEP NEC-CONTIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30482         | COMB DRUG DEP NEC-EPISOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30483         | COMB DRUG DEP NEC-REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30490         | DRUG DEPEND NOS-UNSPEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30491         | DRUG DEPEND NOS-CONTIN    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30492         | DRUG DEPEND NOS-EPISODIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30493         | DRUG DEPEND NOS-REMISS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30520         | CANNABIS ABUSE-UNSPEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30521         | CANNABIS ABUSE-CONTIN     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30522         | CANNABIS ABUSE-EPISODIC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30523         | CANNABIS ABUSE-IN REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30530         | HALLUCINOGEN ABUSE-UNSPEC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30531         | HALLUCINOGEN ABUSE-CONTIN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30532         | HALLUCINOGEN ABUSE-EPISOD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30533         | HALLUCINOGEN ABUSE-REMISS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30540         | SED,HYP,ANXIOLYTIC AB-NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30541         | SED,HYP,ANXIOLYTIC AB-CON | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30542         | SED,HYP,ANXIOLYTIC AB-EPI | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30543         | SED,HYP,ANXIOLYTIC AB-REM | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30550         | OPIOID ABUSE-UNSPEC       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30551         | OPIOID ABUSE-CONTINUOUS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30552         | OPIOID ABUSE-EPISODIC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30553         | OPIOID ABUSE-IN REMISS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30560         | COCAINE ABUSE-UNSPEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30561         | COCAINE ABUSE-CONTINUOUS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30562         | COCAINE ABUSE-EPISODIC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30563         | COCAINE ABUSE-IN REMISS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30570         | AMPHETAMINE ABUSE-UNSPEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30571         | AMPHETAMINE ABUSE-CONTIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30572         | AMPHETAMINE ABUSE-EPISOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30573         | AMPHETAMINE ABUSE-REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30580         | ANTIDEPRESS ABUSE-UNSPEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30581         | ANTIDEPRESS ABUSE-CONTIN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30582         | ANTIDEPRESS ABUSE-EPISOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30583         | ANTIDEPRESS ABUSE-REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30590         | DRUG ABUSE NEC-UNSPEC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30591         | DRUG ABUSE NEC-CONTIN     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30592         | DRUG ABUSE NEC-EPISODIC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 30593         | DRUG ABUSE NEC-IN REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 64830         | DRUG DEPEND PREG-UNSPEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor | Risk Factor Short Name | ICD-9-CM Code | Description                 | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|------------------------|---------------|-----------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 64831         | DRUG DEPENDENCE-DELIVER     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 64832         | DRUG DEPENDEN-DEL W P/P     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 64833         | DRUG DEPENDENCE-ANTEPART    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF428      | Drug Abuse             | 64834         | DRUG DEPENDENCE-POSTPART    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29500         | SIMPL SCHIZOPHREN-UNSPEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29501         | SIMPL SCHIZOPHREN-SUBCHR    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29502         | SIMPLE SCHIZOPHREN-CHR      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29503         | SIMP SCHIZ-SUBCHR/EXACER    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29504         | SIMPL SCHIZO-CHR/EXACERB    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29505         | SIMPL SCHIZOPHREN-REMISS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29510         | HEBEPHRENIA-UNSPEC          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29511         | HEBEPHRENIA-SUBCHRONIC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29512         | HEBEPHRENIA-CHRONIC         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29513         | HEBEPHREN-SUBCHR/EXACERB    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29514         | HEBEPHRENIA-CHR/EXACERB     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29515         | HEBEPHRENIA-REMISSION       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29520         | CATATONIA-UNSPEC            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29521         | CATATONIA-SUBCHRONIC        | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29522         | CATATONIA-CHRONIC           | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29523         | CATATONIA-SUBCHR/EXACERB    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29524         | CATATONIA-CHR/EXACERB       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29525         | CATATONIA-REMISSION         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29530         | PARANOID SCHIZO-UNSPEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29531         | PARANOID SCHIZO-SUBCHR      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29532         | PARANOID SCHIZO-CHRONIC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29533         | PARAN SCHIZO-SUBCHR/EXAC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29534         | PARAN SCHIZO-CHR/EXACERB    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29535         | PARANOID SCHIZO-REMISS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29540         | SCHIZOPHRENIFORM DIS NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29541         | SCHIZOPHRENIC DIS-SUBCHR    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29542         | SCHIZOPHREN DIS-CHRONIC     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29543         | SCHIZO DIS-SUBCHR/EXACER    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29544         | SCHIZOPHR DIS-CHR/EXACER    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29545         | SCHIZOPHRENIC DIS-REMISS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29550         | LATENT SCHIZOPHREN-UNSP     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29551         | LAT SCHIZOPHREN-SUBCHR      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29552         | LATENT SCHIZOPHREN-CHR      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29553         | LAT SCHIZO-SUBCHR/EXACER    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29554         | LATENT SCHIZO-CHR/EXACER    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29555         | LAT SCHIZOPHREN-REMISS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29560         | SCHIZOPHR DIS RESID NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29561         | SCHIZOPH DIS RESID-SUBCH    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29562         | SCHIZOPHR DIS RESID-CHR     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29563         | SCHIZO RESID SUBCHR/EXAC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29564         | SCHIZOPH RESID-CHRO/EXAC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29565         | SCHIZOPH DIS RESID-REMISS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29570         | SCHIZOAFFFECTIVE DIS NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29571         | SCHIZOAFFFECTV DIS-SUBCHR   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29572         | SCHIZOAFFFECTIVE DIS-CHR    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29573         | SCHIZOAFF DIS-SUBCH/EXAC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29574         | SCHIZOAFFTV DIS-CHR/EXAC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29575         | SCHIZOAFFFECTIVE DIS-REMISS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29580         | SCHIZOPHRENIA NEC-UNSPEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29581         | SCHIZOPHRENIA NEC-SUBCHR    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29582         | SCHIZOPHRENIA NEC-CHR       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29583         | SCHIZO NEC-SUBCHR/EXACER    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29584         | SCHIZO NEC-CHR/EXACERB      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29585         | SCHIZOPHRENIA NEC-REMISS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29590         | SCHIZOPHRENIA NOS-UNSPEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29591         | SCHIZOPHRENIA NOS-SUBCHR    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29592         | SCHIZOPHRENIA NOS-CHR       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29593         | SCHIZO NOS-SUBCHR/EXACER    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor | Risk Factor Short Name | ICD-9-CM Code | Description               | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|-------------|------------------------|---------------|---------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29594         | SCHIZO NOS-CHR/EXACERB    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29595         | SCHIZOPHRENIA NOS-REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29600         | BIPOL I SINGLE MANIC NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29601         | BIPOL I SINGLE MANC-MILD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29602         | BIPOL I SINGLE MANIC-MOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29603         | BIPOL I SING-SEV W/O PSY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29604         | BIPO I SIN MAN-SEV W PSY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29605         | BIPOL I SING MAN REM NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29606         | BIPOL I SINGLE MANIC REM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29610         | RECUR MANIC DIS-UNSPEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29611         | RECUR MANIC DIS-MILD      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29612         | RECUR MANIC DIS-MOD       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29613         | RECUR MANIC DIS-SEVERE    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29614         | RECUR MANIC-SEV W PSYCHO  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29615         | RECUR MANIC-PART REMISS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29616         | RECUR MANIC-FULL REMISS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29620         | DEPRESS PSYCHOSIS-UNSPEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29621         | DEPRESS PSYCHOSIS-MILD    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29622         | DEPRESSIVE PSYCHOSIS-MOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29623         | DEPRESS PSYCHOSIS-SEVERE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29624         | DEPR PSYCHOS-SEV W PSYCH  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29625         | DEPR PSYCHOS-PART REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29626         | DEPR PSYCHOS-FULL REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29630         | RECURR DEPR PSYCHOS-UNSP  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29631         | RECURR DEPR PSYCHOS-MILD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29632         | RECURR DEPR PSYCHOS-MOD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29633         | RECUR DEPR PSYCH-SEVERE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29634         | REC DEPR PSYCH-PSYCHOTIC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29635         | RECUR DEPR PSYC-PART REM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29636         | RECUR DEPR PSYC-FULL REM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29640         | BIPOL I CURRNT MANIC NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29641         | BIPOL I CURRNT MANIC-MILD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29642         | BIPOL I CURRNT MANIC-MOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29643         | BIPOL I MANC-SEV W/O PSY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29644         | BIPOL I MANIC-SEV W PSY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29645         | BIPOL I CUR MAN PART REM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29646         | BIPOL I CUR MAN FULL REM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29650         | BIPOL I CUR DEPRES NOS    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29651         | BIPOL I CUR DEPRESS-MILD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29652         | BIPOL I CUR DEPRESS-MOD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29653         | BIPOL I CURR DEP W/O PSY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29654         | BIPOL I CURRNT DEP W PSY  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29655         | BIPOL I CUR DEP REM NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29656         | BIPOL I CURRNT DEP REMIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29660         | BIPOL I CURRNT MIXED NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29661         | BIPOL I CURRNT MIX-MILD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29662         | BIPOL I CURRNT MIXED-MOD  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29663         | BIPOL I CUR MIX W/O PSY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29664         | BIPOL I CUR MIXED W PSY   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29665         | BIPOL I CUR MIX-PART REM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29666         | BIPOL I CUR MIXED REMISS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 2967          | BIPOLOR I CURRENT NOS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29680         | BIPOLAR DISORDER NOS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29681         | ATYPICAL MANIC DISORDER   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29682         | ATYPICAL DEPRESSIVE DIS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29689         | BIPOLAR DISORDER NEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29690         | EPISODIC MOOD DISORD NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 29699         | EPISODIC MOOD DISORD NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 2970          | PARANOID STATE, SIMPLE    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 2971          | DELUSIONAL DISORDER       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 2972          | PARAPHRENIA               | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429      | Psychoses              | 2973          | SHARED PSYCHOTIC DISORD   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |

Risk Factor ICD-9 Code Specifications  
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| Measure                            | Risk Factor  | Risk Factor Short Name                               | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type: D=Diag, P=Proc |
|------------------------------------|--------------|--|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------|
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 2978          | PARANOID STATES NEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 2979          | PARANOID STATE NOS       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 2980          | REACT DEPRESS PSYCHOSIS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 2981          | EXCITATIV TYPE PSYCHOSIS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 2982          | REACTIVE CONFUSION       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 2983          | ACUTE PARANOID REACTION  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 2984          | PSYCHOGEN PARANOID PSYCH | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 2988          | REACT PSYCHOSIS NEC/NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 2989          | PSYCHOSIS NOS            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 29910         | CHILDHD DISINTEGR-ACTIVE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF429       | Psychoses  | 29911         | CHILDHD DISINTEGR-RESID  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF430       | Depression   | 3004          | DYSTHYMIC DISORDER       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF430       | Depression   | 30112         | CHR DEPRESSIVE PERSON    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF430       | Depression   | 3090          | ADJUSTMNT DIS W DEPRESSN | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF430       | Depression   | 3091          | PROLONG DEPRESSIVE REACT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | CRF430       | Depression   | 311           | DEPRESSIVE DISORDER NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | PRF203A      | Site of Infarct-Anterior or Anterolateral            | 41001         | AMI ANTEROLATERAL, INIT  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | PRF203A      | Site of Infarct-Anterior or Anterolateral            | 41011         | AMI ANTERIOR WALL, INIT  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | PRF203S      | Site of Infarct-Subendocardial                       | 41071         | SUBENDO INFARCT, INITIAL | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF06C        | Current Smoker                                       | 3051          | TOBACCO USE DISORDER     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF06HX       | History of Smoking                                   | V1582         | HISTORY OF TOBACCO USE   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF17         | COPD   | 49121         | OBS CHR BRONC W(AC) EXAC | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF17         | COPD   | 49320         | CHRONIC OBST ASTHMA NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF17         | COPD   | 49321         | CH OB ASTHMA W STAT ASTH | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF17         | COPD   | 496           | CHR AIRWAY OBSTRUCT NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF207        | History of PTCA                                      | V4582         | STATUS-POST PTCA         | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF208        | History of CABG                                      | V4581         | AORTOCORONARY BYPASS     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2720          | PURE HYPERCHOLESTEROLEM  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2721          | PURE HYPERGLYCIDEMIA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2722          | MIXED HYPERLIPIDEMIA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2723          | HYPERCHYLOMICRONEMIA     | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2724          | HYPERLIPIDEMIA NEC/NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2725          | LIPOPROTEIN DEFICIENCIES | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2726          | LIPODYSTROPHY            | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2727          | LIPIDOSES                | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2728          | LIPOID METABOL DIS NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 2729          | LIPOID METABOL DIS NOS   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 41400         | COR ATH UNSP VSL NTV/GFT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 41401         | CRNRY ATHRSL NATVE VSSL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 41402         | CRN ATH ATLG VN BPS GRFT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 41403         | CRN ATH NONATLG BLG GRFT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 41404         | COR ATH ARTRY BYPAS GRFT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 41405         | COR ATH BYPASS GRAFT NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 41406         | COR ATH NATV ART TP HRT  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 41407         | COR ATH BPS GRAFT TP HRT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 4400          | COR ATH BPS GRAFT TP HRT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 4401          | COR ATH BPS GRAFT TP HRT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 44020         | ATHSCL EXTRM NTV ART NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 44021         | ATH EXT NTV AT W CLAUDCT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 44022         | ATH EXT NTV AT W RST PN  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 44023         | ATH EXT NTV ART ULCRTION | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 44024         | ATH EXT NTV ART GNGRENE  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 44029         | ATHRSC EXTRM NTV ART OTH | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 44030         | ATHSCL EXTRM BPS GFT NOS | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 44031         | ATH EXT AUTOLOGS BPS GFT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 44032         | ATH EXT NONAUTLG BPS GFT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 4408          | ATHEROSCLEROSIS NEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210        | Atherosclerosis and Lipid Disorders                  | 4409          | ATHEROSCLEROSIS NOS      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | RF210_AGEINT | Integer Age By Atherosclerosis and Lipid Interaction |               |                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    |                      |
| Acute Myocardial Infarction(AMI-9) | RF210_SEXR   | Sex by Atherosclerosis and Lipid Interaction         |               |                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    |                      |
| Acute Myocardial Infarction(AMI-9) | RF220        | History of MI  | 412           | OLD MYOCARDIAL INFARCT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                    |
| Acute Myocardial Infarction(AMI-9) | SEXR         | Sex=M or F   |               |                          | 10/01/2007              | 4Q2007                 | 10/01/2007        |                            | 2.3     |                      |

Risk Factor ICD-9 Code Specifications  
Effective starting with 10/1/2008 Discharges

| Measure                            | Risk Factor   | Risk Factor Short Name                                       | ICD-9-CM Code | Description              | ICD-9-CM Effective Date | Model Application Date | Model Review Date | Date Risk Factor Withdrawn | Version | type:<br>D=Diag,<br>P=Proc |
|------------------------------------|---------------|--|---------------|--------------------------|-------------------------|------------------------|-------------------|----------------------------|---------|----------------------------|
| 3rd or 4th Degree Laceration(PR-3) | MAGE16L       | Age Truncated <= 16  |               |                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    |                            |
| 3rd or 4th Degree Laceration(PR-3) | RF101M        | Abnormal Presentation  | 65201         | UNSTABLE LIE-DELIVERED   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF101M        | Abnormal Presentation  | 65211         | CEPHALIC VERS NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF101M        | Abnormal Presentation  | 65221         | BREECH PRESENTAT-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF101M        | Abnormal Presentation  | 65231         | TRANSVER/OBLIQ LIE-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF101M        | Abnormal Presentation  | 65241         | FACE/BROW PRESENT-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF101M        | Abnormal Presentation  | 65251         | HIGH HEAD AT TERM-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF101M        | Abnormal Presentation  | 65261         | MULT GEST MALPRES-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF101M        | Abnormal Presentation  | 65271         | PROLAPSED ARM-DELIVERED  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF101M        | Abnormal Presentation  | 65281         | MALPOSITION NEC-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65101         | TWIN PREGNANCY-DELIVERED | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65111         | TRIPLET PREGNANCY-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65121         | QUADRUPLET PREG-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65131         | TWINS W FETAL LOSS-DEL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65141         | TRIPLETS W FET LOSS-DEL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65151         | QUADS W FETAL LOSS-DEL   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65161         | MULT GES W FET LOSS-DEL  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65181         | MULTI GESTAT NEC-DELIVER | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65191         | MULT GESTATION NOS-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | 65941         | GRAND MULTIPARITY-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | V272          | DELIVER-TWINS, BOTH LIVE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | V273          | DEL-TWINS, 1 NB, 1 SB    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | V274          | DELIVER-TWINS, BOTH SB   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | V275          | DEL-MULT BIRTH, ALL LIVE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | V276          | DEL-MULT BRTH, SOME LIVE | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | V277          | DEL-MULT BIRTH, ALL SB   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF102M        | Multiple Gestations  | V279          | OUTCOME OF DELIVERY NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF109M        | Large Fetus(Oversize)  | 65661         | EXCESS FETAL GRTH-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65301         | PELVIC DEFORM NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65311         | CONTRACT PELV NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65321         | INLET CONTRACTION-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65331         | OUTLET CONTRACTION-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65341         | FETOPELV DISPROPOR-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65351         | FETAL DISPROP NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65361         | HYDROCEPH FETUS-DELIVER  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65371         | OTH ABN FET DISPRO-DELIV | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65381         | DISPROPORTION NEC-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF118M        | Disproportion  | 65391         | DISPROPORTION NOS-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF301M        | Precipitate Labor  | 66131         | PRECIPITATE LABOR-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF302M        | Episiotomy   | 736           | EPISIOTOMY               | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF303M        | Operative Vaginal Delivery Not Including Breech, Vac., For   | 728           | INSTRUMENT DELIVERY NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF303M        | Operative Vaginal Delivery Not Including Breech, Vac., For   | 729           | INSTRUMENT DELIVERY NOS  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF303M_RF325M | Interaction Operative Vaginal Delivery and Shoulder Dystocia |               |                          | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    |                            |
| 3rd or 4th Degree Laceration(PR-3) | RF321M        | Breech Delivery  | 7251          | PART BRCH EXTRAC W FORCP | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF321M        | Breech Delivery  | 7252          | PART BREECH EXTRACT NEC  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF321M        | Breech Delivery  | 7253          | TOT BRCH EXTRAC W FORCEP | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF321M        | Breech Delivery  | 7254          | TOT BREECH EXTRAC NEC    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF325M        | Shoulder Dystocia  | 66041         | SHOULDER DYSTOCIA-DELIV  | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | D                          |
| 3rd or 4th Degree Laceration(PR-3) | RF327M        | Vacuum Extraction  | 7271          | VACUUM EXT DEL W EPISIOT | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF327M        | Vacuum Extraction  | 7279          | VACUUM EXTRACT DEL NEC   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF328M        | Forceps Delivery   | 720           | LOW FORCEPS OPERATION    | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF328M        | Forceps Delivery   | 721           | LOW FORCEPS W EPISIOTOMY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF328M        | Forceps Delivery   | 7221          | MID FORCEPS W EPISIOTOMY | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF328M        | Forceps Delivery   | 7229          | MID FORCEPS OP NEC       | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF328M        | Forceps Delivery   | 7231          | HIGH FORCEPS W EPISIOT   | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF328M        | Forceps Delivery   | 7239          | HIGH FORCEPS OP NEC      | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF328M        | Forceps Delivery   | 724           | FORCEPS ROTAT FETAL HEAD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |
| 3rd or 4th Degree Laceration(PR-3) | RF328M        | Forceps Delivery   | 726           | FORCEPS-AFTERCOMING HEAD | 01/01/2005              | 1Q2005                 | 05/27/2005        |                            | 1.03    | P                          |