

# Postoperative Hip Fracture Rate

## Patient Safety Indicators #8

### Technical Specifications

#### Provider-Level Indicator

#### AHRQ Quality Indicators, Version 4.3, August 2011

Version 4.3a is a maintenance release of Version 4.3. The differences between the two versions are:

- Version 4.3a includes Version 29 of the Limited License edition of the 3M™ APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper. The grouper is only used with the Inpatient Quality Indicator (IQI) mortality measures. Version 4.3 includes Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper, which was incorrectly assigning a Risk of Mortality (ROM) subclass for cases dated on or after 10/1/10.
- Version 4.3a allows users to calculate area-level indicators for years 2010 and 2011, correcting an issue previously identified in Version 4.3.

All other aspects of the software, including measure specifications, remain the same. Thus this document (related to Version 4.3) remains unchanged.

## Numerator

Discharges with ICD-9-CM code for hip fracture in any secondary diagnosis field among cases meeting the inclusion and exclusion rules for the denominator.

#### ICD-9-CM Hip Fracture diagnosis codes:

|       |                          |       |  |
|-------|--------------------------|-------|--|
| 82000 | FX FEMUR INTRCAPS NOS-CL | 82020 | TROCHANTERIC FX NOS-CLOS                     |
| 82001 | FX UP FEMUR EPIPHY-CLOS  | 82021 | INTERTROCHANTERIC FX-CL                      |
| 82002 | FX FEMUR, MIDCERVIC-CLOS | 82022 | SUBTROCHANTERIC FX-CLOSE                     |
| 82003 | FX BASE FEMORAL NCK-CLOS | 82030 | TROCHANTERIC FX NOS-OPEN                     |
| 82009 | FX FEMUR INTRCAPS NEC-CL | 82031 | INTERTROCHANTERIC FX-OPN                     |
| 82010 | FX FEMUR INTRCAP NOS-OPN | 82032 | SUBTROCHANTERIC FX-OPEN                      |
| 82011 | FX UP FEMUR EPIPHY-OPEN  | 8208  | UNSPECIFIED PART OF NECK OF FEMUR,<br>CLOSED |
| 82012 | FX FEMUR, MIDCERVIC-OPEN | 8209  | UNSPECIFIED PART OF NECK OF FEMUR,<br>OPEN   |
| 82013 | FX BASE FEMORAL NCK-OPEN |       |  |
| 82019 | FX FEMUR INTRCAP NEC-OPN |       |  |

## Denominator

All surgical discharges age 18 and older defined by specific DRGs or MS-DRGs and an ICD-9-CM code for an operating room procedure.

See *Patient Safety Indicators Appendices*:

- Appendix A – Operating Room Procedure Codes
- Appendix D – Surgical Discharge DRGs
- Appendix E – Surgical Discharge MS-DRGs
- Appendix G – Trauma Diagnosis Codes

Exclude cases:

- with principal diagnosis of hip fracture or secondary diagnosis present on admission
- where the only operating room procedure is hip fracture repair
- where a procedure for hip fracture repair occurs before or on the same day as the first operating room procedure

**Note:** If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available

- with diseases and disorders of the musculoskeletal system and connective tissue (MDC 8)
- with principal diagnosis (or secondary diagnosis present on admission, if known) of seizure, syncope, stroke, coma, cardiac arrest, poisoning, trauma, delirium and other psychoses, or anoxic brain injury
- with any diagnosis of metastatic cancer, lymphoid malignancy or bone malignancy, or self-inflicted injury
- MDC14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

**ICD-9-CM Hip fracture repair procedure codes:**

|      |   |      |  |
|------|---|------|--|
| 7855 | INTERNAL FIXATION-FEMUR   | 7965 | DEBRIDEMENT OF OPEN FRACTURE OF FEMUR                |
| 7905 | CLOSED REDUCTION OF FRACTURE OF FEMUR WITHOUT INTERNAL FIXATION | 8151 | TOTAL HIP REPLACEMENT                                |
| 7915 | CLOSED RED-INT FIX FEMUR  | 8152 | PARTIAL HIP REPLACEMENT                              |
| 7925 | OPEN REDUCTION-FEMUR FX   | 8153 | REVISION OF HIP REPLACEMENT, NOT OTHERWISE SPECIFIED |
| 7935 | OPEN REDUC-INT FIX FEMUR  |      |  |

**ICD-9-CM Seizure diagnosis codes:**

|       |  |       |  |
|-------|--|-------|--|
| 34500 | GENERALIZED NONCONVULSIVE EPILEPSY – W/O MENTION OF INTRACTABLE EPILEPSY                           | 34560 | INFANTILE SPASMS – W/O MENTION OF INTRACTABLE EPILEPSY             |
| 34501 | GENERALIZED NONCONVULSIVE EPILEPSY – W/ INTRACTABLE EPILEPSY                                       | 34561 | INFANTILE SPASMS – W/ INTRACTABLE EPILEPSY                         |
| 34510 | GENERALIZED CONVULSIVE EPILEPSY – W/O MENTION OF INTRACTABLE EPILEPSY                              | 34570 | EPILEPSIA PARTIALIS CONTINUA – W/O MENTION OF INTRACTABLE EPILEPSY |
| 34511 | GENERALIZED CONVULSIVE EPILEPSY – W/ INTRACTABLE EPILEPSY  | 34571 | EPILEPSIA PARTIALIS CONTINUA – W/ INTRACTABLE EPILEPSY             |
| 3452  | EPILEPSY – PETIT MAL STATUS  | 34580 | OTHER FORMS OF EPILEPSY – W/O MENTION OF INTRACTABLE EPILEPSY      |
| 3453  | EPILEPSY – GRAND MAL STATUS  | 34581 | OTHER FORMS OF EPILEPSY – W/ INTRACTABLE EPILEPSY                  |
| 34540 | PARTIAL EPILEPSY, W/ IMPAIRMENT OF CONSCIOUSNESS – W/O INTRACTABLE EPILEPSY                        | 34590 | EPILEPSY, UNSPECIFIED – W/O MENTION OF INTRACTABLE EPILEPSY        |
| 34541 | PARTIAL EPILEPSY, W/ IMPAIRMENT OF CONSCIOUSNESS – W/ MENTION OF INTRACTABLE EPILEPSY              | 34591 | EPILEPSY, UNSPECIFIED – W/ INTRACTABLE EPILEPSY                    |
| 34550 | PARTIAL EPILEPSY, W/O MENTION OF IMPAIRMENT OF CONSCIOUSNESS – W/O MENTION OF INTRACTABLE EPILEPSY | 7803  | CONVULSIONS  |
| 34551 | PARTIAL EPILEPSY, W/O MENTION OF IMPAIRMENT OF CONSCIOUSNESS – W/ INTRACTABLE EPILEPSY             | 78031 | FEBRILE CONVULSIONS  |
|       |  | 78032 | COMPLX FEBRILE CONVULSIONS (OCT06)                                 |
|       |  | 78033 | POST TRAUMATIC SEIZURES  |
|       |  | 78039 | OTHER CONVULSIONS  |

**ICD-9-CM Syncope diagnosis codes:**

|       |                                |      |                      |
|-------|--------------------------------|------|----------------------|
| 33701 | CAROTID SINUS SYNDROME (OCT08) | 7802 | SYNCOPE AND COLLAPSE |
|-------|--------------------------------|------|----------------------|

**ICD-9-CM Stroke and occlusion of arteries diagnosis codes:**

|       |  |       |  |
|-------|--|-------|--|
| 430   | SUBARACHNOID HEMORRHAGE                                      | 43391 | OCCLUSION AND STENOSIS OF<br>PRECEREBRAL ARTERIES,<br>UNSPECIFIED PRECEREBRAL ARTERY<br>W/ CEREBRAL INFARCTION |
| 431   | INTRACEREBRAL HEMORRHAGE                                     |       |  |
| 4320  | NONTRAUMATIC EXTRADURAL<br>HEMORRHAGE                        | 43401 | CEREBRAL THROMBOSIS – W/<br>CEREBRAL INFARCTION  |
| 4321  | SUBDURAL HEMORRHAGE  | 43411 | CEREBRAL EMBOLISM – W/ CEREBRAL<br>INFARCTION  |
| 4329  | UNSPECIFIED INTRACRANIAL<br>HEMORRHAGE                       | 43491 | CEREBRAL ARTERY OCCLUSION,<br>UNSPECIFIED - W/ CEREBRAL<br>INFARCTION  |
| 43301 | BASILAR ARTERY, W/ CEREBRAL<br>INFARCTION                    | 4350  | BASILAR ARTERY SYNDROME  |
| 43311 | CAROTID ARTERY, W/ CEREBRAL<br>INFARCTION                    | 4351  | VERTEBRAL ARTERY SYNDROME  |
| 43321 | VERTEBRAL ARTERY - W/ CEREBRAL<br>INFARCTION                 | 4353  | VERTEBROBASILAR ARTERY<br>SYNDROME   |
| 43331 | MULTIPLE AND BILATERAL W/<br>CEREBRAL INFARCTION             | 436   | ACUTE, BUT ILL-DEFINED<br>CEREBROVASCULAR DISEASE  |
| 43381 | OTHER SPECIFIED PRECEREBRAL<br>ARTERY W/ CEREBRAL INFARCTION | 99702 | POSTOPERATIVE CEREBROVASCULAR<br>ACCIDENT  |

**ICD-9-CM Coma diagnosis codes:**

|       |  |       |  |
|-------|--|-------|--|
| 0700  | VIRAL HEPATITIS A WITH HEPATIC<br>COMA   | 24931 | SECONDARY DIABETES MELLITUS WITH<br>OTHER COMA, UNCONTROLLED<br>(OCT08)  |
| 07020 | VIRAL HEPATITIS B WITH HEPATIC<br>COMA, ACUTE OR UNSPECIFIED,<br>WITHOUT MENTION OF HEPATITIS<br>DELTA | 25020 | DIABETES W/ HYPEROSMOLARITY,<br>TYPE 2 [NONINSULIN DEPENDENT<br>TYPE][NIDDM TYPE][ADULT-ONSET] OR<br>UNSPECIFIED TYPE, NOT STATED AS<br>UNCONTROLLED |
| 07021 | VIRAL HEPATITIS B WITH HEPATIC<br>COMA, ACUTE OR UNSPECIFIED, WITH<br>HEPATITIS DELTA                  | 25021 | DIABETES W/ HYPEROSMOLARITY,<br>TYPE 1 [INSULIN DEPENDENT<br>TYPE][IDDM-TYPE] [JUVENILE TYPE],<br>NOT STATED AS UNCONTROLLED                         |
| 07022 | VIRAL HEPATITIS B WITH HEPATIC<br>COMA, CHRONIC, WITHOUT MENTION<br>OF HEPATITIS DELTA                 | 25022 | DIABETES W/ HYPEROSMOLARITY,<br>TYPE 2   |
| 07023 | VIRAL HEPATITIS B WITH HEPATIC<br>COMA, CHRONIC, WITH HEPATITIS<br>DELTA                               | 25023 | DIABETES MELLITUS, DIABETES W/<br>HYPEROSMOLARITY, TYPE 1 [INSULIN<br>DEPENDENT TYPE][IDDM-<br>TYPE][JUVENILE TYPE]<br>UNCONTROLLED                  |
| 07041 | ACUTE HEPATITIS C WITH HEPATIC<br>COMA   | 25030 | DIABETES W/ OTHER COMA, TYPE 2<br>NOT STATED AS UNCONTROLLED   |
| 07042 | HEPATITIS DELTA WITHOUT MENTION<br>OF ACTIVE HEPATITIS B DISEASE WITH<br>HEPATIC COMA                  | 25031 | DIABETES W/ OTHER COMA, TYPE 1<br>NOT STATED AS UNCONTROLLED   |
| 07043 | HEPATITIS E WITH HEPATIC COMA  | 25032 | DIABETES MELLITUS, DIABETES W/<br>OTHER COMA, TYPE 2 UNCONTROLLED  |
| 07044 | CHRONIC HEPATITIS C WITH HEPATIC<br>COMA   | 25033 | DIABETES MELLITUS, DIABETES W/<br>OTHER COMA, TYPE 1 UNCONTROLLED  |
| 07049 | OTHER SPECIFIED VIRAL HEPATITIS<br>WITH HEPATIC COMA   | 2510  | OTHER DISORDERS OF PANCREATIC<br>INTERNAL SECRETION,<br>HYPOGLYCEMIC COMA  |
| 0706  | UNSPECIFIED VIRAL HEPATITIS WITH<br>HEPATIC COMA   | 5722  | LIVER ABSCESS AND SEQUELAE OF<br>CHRONIC LIVER DISEASE, HEPATIC<br>COMA  |
| 07071 | UNSPECIFIED VIRAL HEPATITIS C WITH<br>HEPATIC COMA   | 78001 | GENERAL SYMPTOMS, ALTERATION OF<br>CONSCIOUSNESS, COMA   |
| 24920 | SECONDARY DIABETES MELLITUS WITH<br>HYPEROSMOLARITY, UNSPECIFIED<br>(OCT08)                            | 78003 | GENERAL SYMPTOMS, ALTERATION OF<br>CONSCIOUSNESS PERSISTENT<br>VEGETATIVE STATE  |
| 24921 | SECONDARY DIABETES MELLITUS WITH<br>HYPEROSMOLARITY, UNCONTROLLED<br>(OCT08)                           |       |  |
| 24930 | SECONDARY DIABETES MELLITUS WITH<br>OTHER COMA, UNSPECIFIED (OCT08)                                    |       |  |

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**ICD-9-CM Cardiac arrest diagnosis code:**

4275 CARDIAC ARRES

**ICD-9-CM Poisoning diagnosis codes:**

|       |   |       |                                  |
|-------|---|-------|----------------------------------|
| 96500 | POISONING-OPIUM NOS (OCT08)                         | 9752  | POIS-SKELET MUSCLE RELAX (OCT08) |
| 96501 | POISONING-HEROIN                                    | E8500 | ACC POISON-HEROIN                |
| 96502 | POISONING-METHADONE                                 | E8501 | ACC POISON-METHADONE             |
| 96509 | POISONING-OPIATES NEC                               | E8502 | ACC POISON-OPIATES NEC           |
| 9656  | POISONING-ANTIRHEUMATICS (OCT08)                    | E8503 | ACC POISON-SALICYLATES           |
| 9658  | POIS-ANALGES/ANTIPYR NEC                            | E8504 | ACC POISON-AROM ANALGESC         |
| 9660  | POISON-OXAZOLIDINE DERIV                            | E8505 | ACC POISON-PYRAZOLE DERV         |
| 9661  | POISON-HYDANTOIN DERIVAT                            | E8506 | ACC POISON-ANTIRHEUMATIC         |
| 9662  | POISONING-SUCCINIMIDES                              | E8507 | ACC POISON-NONNARC ANALG         |
| 9663  | POIS-ANTICONVUL NEC/NOS                             | E8508 | ACC POISON-ANALGESIC NEC         |
| 9664  | POIS-ANTI-PARKINSON DRUG                            | E8509 | ACC POISON-ANALGESIC NOS         |
| 9670  | POISONING-BARBITURATES                              | E851  | ACC POISON-BARBITURATES          |
| 9671  | POISONING-CHLORAL HYDRAT                            | E8520 | ACC POISN-CHLORL HYDRATE         |
| 9672  | POISONING-PARALDEHYDE                               | E8521 | ACC POISON-PARALDEHYDE           |
| 9673  | POISONING-BROMINE COMPND                            | E8522 | ACC POISON-BROMINE CMPND         |
| 9674  | POISONING-METHAQUALONE                              | E8523 | ACC POISON-METHAQUALONE          |
| 9675  | POISONING-GLUTETHIMIDE                              | E8524 | ACC POISON-GLUTETHIMIDE          |
| 9676  | POISON-MIX SEDATIVE NEC                             | E8525 | ACC POISON-MIX SEDTV NEC         |
| 9678  | POIS-SEDATIVE/HYPNOT NEC                            | E8528 | ACC POISON-SEDATIVES NEC         |
| 9679  | POIS-SEDATIVE/HYPNOT NOS                            | E8529 | ACC POISON-SEDATIVES NOS         |
| 9680  | POIS-CNS MUSCLE DEPRESS                             | E8530 | ACC POIS-PHENTHIAZ TRANQ         |
| 9681  | POISONING-HALOTHANE                                 | E8531 | ACC POIS-BUTYRPHEN TRANQ         |
| 9682  | POISON-GAS ANESTHET NEC                             | E8532 | ACC POISN-BENZDIAZ TRANQ         |
| 9683  | POISON-INTRAVERN ANESTHET                           | E8538 | ACC POISN-TRANQUILZR NEC         |
| 9684  | POIS-GEN ANESTH NEC/NOS                             | E8539 | ACC POISN-TRANQUILZR NOS         |
| 9685  | POIS-TOPIC/INFILT ANESTH                            | E8540 | ACC POISON-ANTIDEPRESSNT         |
| 9686  | POIS-NERVE/PLEX-BLK ANES                            | E8541 | ACC POISON-HALLUCINOGENS         |
| 9687  | POISON-SPINAL ANESTHETIC                            | E8542 | ACC POISN-PSYCHSTIMULANT         |
| 9689  | POIS-LOCAL ANESTH NEC/NOS                           | E8543 | ACC POISON-CNS STIMULANT         |
| 9690  | POISONING-ANTIDEPRESSANT                            | E8548 | ACC POISN PSYCHOTROP NEC         |
| 96900 | POISONING BY ANTIDEPRESSANT,<br>UNSPECIFIED (OCT09) | E8550 | ACC POISN-ANTICONVULSANT         |
| 96901 | POISONING BY MAOI (OCT09)                           | E8551 | ACC POISN-CNS DEPRES NEC         |
| 96902 | POISONING BY SSRI (OCT09)                           | E8552 | ACC POISN-LOCAL ANESTHET         |
| 96903 | POISONING BY SSRI (OCT09)                           | E8553 | ACC POISON-CHOLINERGICS          |
| 96904 | POISONING BY TETRACYCLICS (OCT09)                   | E8554 | ACC POISN-ANTICHOLINERG          |
| 96905 | POISONING BY TRICYCLICS (OCT09)                     | E8555 | ACC POISON-ADRENERGICS           |
| 96909 | POISONING BY OTHER<br>ANTIDEPRESSANTS (OCT09)       | E8556 | ACC POISN-SYMPATHOLYTICS         |
| 9691  | POIS-PHENOTHIAZINE TRANQ                            | E8558 | ACC POISON-CNS DRUG NEC          |
| 9692  | POIS-BUTYROPHENONE TRANQ                            | E8559 | ACC POISON-CNS DRUG NOS          |
| 9693  | POISON-ANTIPSYCHOTIC NEC                            | E856  | ACC POISON-ANTIBIOTICS           |
| 9694  | POIS-BENZODIAZEPINE TRAN                            | E857  | ACC POIS-OTH ANTI-INFECT         |
| 9695  | POISON-TRANQUILIZER NEC                             | E8580 | ACC POISON-HORMONES              |
| 9696  | POISONING-HALLUCINOGENS                             | E8581 | ACC POISN-SYSTEMIC AGENT         |
| 9697  | POISON-PSYCHOSTIMULANTS                             | E8582 | ACC POISON-BLOOD AGENT           |
| 96970 | POISONING BY PSYCHOSTIMULANT,<br>UNSPEC (OCT09)     | E8583 | ACC POISN-CARDIOVASC AGT         |
| 96971 | POISONING BY CAFFEINE (OCT09)                       | E8584 | ACC POISON-GI AGENT              |
| 96972 | POISONING BY<br>AMPHETAMINES/METHAAMPH (OCT09)      | E8585 | ACC POISN-METABOL AGNT           |
| 96973 | POISONING BY METHYLPHENIDATE<br>(OCT09)             | E8586 | ACC POISN-MUSCL/RESP AGT         |
| 96979 | POISONING BY OTHER<br>PSYCHOSTIMULANTS (OCT09)      | E8587 | ACC POISN-SKIN/EENT AGNT         |
| 9698  | POISON-PSYCHOTROPIC NEC                             | E8588 | ACC POISONING-DRUG NEC           |
| 9699  | POISON-PSYCHOTROPIC NOS                             | E8589 | ACC POISONING-DRUG NOS           |
|       |   | E8600 | ACC POISN-ALCOHOL BEVRAG         |
|       |   | E8601 | ACC POISON-ETHYL ALCOHOL         |
|       |   | E8602 | ACC POISN-METHYL ALCOHOL         |
|       |   | E8603 | ACC POISN-ISOPROPYL ALC          |
|       |   | E8604 | ACC POISON-FUSEL OIL             |
|       |   | E8608 | ACC POISON-ALCOHOL NEC           |

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|       |                          |       |                          |
|-------|--------------------------|-------|--------------------------|
| E8609 | ACC POISON-ALCOHOL NOS   | E8667 | ACC POISON-COSMETICS     |
| E8610 | ACC POIS-SYNTH DETERGENT | E8668 | ACC POIS-SOLID/LIQ NEC   |
| E8611 | ACC POISON-SOAP PRODUCTS | E8669 | ACC POIS-SOLID/LIQ NOS   |
| E8612 | ACC POISON-POLISHES      | E867  | ACC POISON-PIPED GAS     |
| E8613 | ACC POISON-CLEANSER NEC  | E8680 | ACC POIS-LIQ PETROL GAS  |
| E8614 | ACC POISON-DISINFECTANTS | E8681 | ACC POIS-UTL GAS NEC/NOS |
| E8615 | ACC POISON-LEAD PAINTS   | E8682 | ACC POISON-EXHAUST GAS   |
| E8616 | ACC POISON-PAINTS NEC    | E8683 | ACC POIS-CO/DOMESTC FUEL |
| E8619 | ACC POISON-CLEANSER NOS  | E8688 | ACC POIS-CARBN MONOX NEC |
| E8620 | ACC POISN-PETROL SOLVENT | E8689 | ACC POIS-CARBN MONOX NOS |
| E8621 | ACC POISN-PETROLEUM FUEL | E8690 | ACC POISN-NITROGEN OXIDE |
| E8622 | ACC POIS-LUBRICATING OIL | E8691 | ACC POISN-SULFUR DIOXIDE |
| E8623 | ACC POIS-PETROLEUM SOLID | E8692 | ACC POISON-FREON         |
| E8624 | ACC POISN-SOLVENTS NEC   | E8693 | ACC POISON-TEAR GAS      |
| E8629 | ACC POISN-SOLVENT NOS    | E8694 | SCNDHND TBCCO SMOKE      |
| E8630 | ACC POIS-CHLORINE PESTIC | E8698 | ACC POISON-GAS/VAPOR NEC |
| E8631 | ACC POIS-PHOSPH PESTICID | E8699 | ACC POISON-GAS/VAPOR NOS |
| E8632 | ACC POISON-CARBAMATES    | E9510 | POISON-PIPED GAS         |
| E8633 | ACC POISN-MIXED PESTICID | E9511 | POISON-GAS IN CONTAINER  |
| E8634 | ACC POISON-PESTICIDE NEC | E9518 | POISON-UTILITY GAS NEC   |
| E8635 | ACC POISON-HERBICIDES    | E9520 | POISON-EXHAUST GAS       |
| E8636 | ACC POISON-FUNGICIDES    | E9521 | POISON-CO NEC            |
| E8637 | ACC POISON-RODENTICIDES  | E9528 | POISON-GAS/VAPOR NEC     |
| E8638 | ACC POISON-FUMIGANTS     | E9529 | POISON-GAS/VAPOR NOS     |
| E8639 | ACC POIS-AGRCULT NEC/NOS | E9620 | ASSAULT-POIS W MEDIC AGT |
| E8640 | ACC POIS-CORROSIV AROMAT | E9621 | ASSAULT-POIS W SOLID/LIQ |
| E8641 | ACC POISON-ACIDS         | E9622 | ASSAULT-POIS W GAS/VAPOR |
| E8642 | ACC POISN-CAUSTIC ALKALI | E9629 | ASSAULT-POISONING NOS    |
| E8643 | ACC POISON-CAUSTIC NEC   | E9800 | UNDETERM POIS-ANALGESICS |
| E8644 | ACC POISON-CAUSTIC NOS   | E9801 | UNDETERM POIS-BARBITURAT |
| E8650 | ACC POISON-MEAT          | E9802 | UNDET POIS-SED/HYPN NEC  |
| E8651 | ACC POISON-SHELLFISH     | E9803 | UNDETERM POIS-PSYCHOTROP |
| E8652 | ACC POISON-FISH NEC      | E9804 | UNDET POIS-MED AGT NEC   |
| E8653 | ACC POISON-BERRIES/SEEDS | E9805 | UNDET POIS-MED AGNT NOS  |
| E8654 | ACC POISON-PLANTS NEC    | E9806 | UNDET POIS-CORROS/CAUST  |
| E8655 | ACC POISON-MUSHROOMS     | E9807 | UNDET POIS-AGRICULT AGNT |
| E8658 | ACC POISON-FOOD NEC      | E9808 | UNDETER POIS-ARSENIC     |
| E8659 | ACC POISN-FOOD/PLANT NOS | E9809 | UNDETER POIS-SOL/LIQ NEC |
| E8660 | ACC POISONING-LEAD       | E9810 | UNDETER POIS-PIPED GAS   |
| E8661 | ACC POISONING-MERCURY    | E9811 | UNDET POIS-CONTAINER GAS |
| E8662 | ACC POISONING-ANTIMONY   | E9818 | UNDET POIS-UTIL GAS NEC  |
| E8663 | ACC POISONING-ARSENIC    | E9820 | UNDETER POIS-EXHAUST GAS |
| E8664 | ACC POISON-METALS NEC    | E9821 | UNDETERMIN POISON-CO NEC |
| E8665 | ACC POISON-PLANT FOOD    | E9828 | UNDET POIS-GAS/VAPOR NEC |
| E8666 | ACC POISON-GLUES         | E9829 | UNDET POIS-GAS/VAPOR NOS |

**ICD-9-CM Delirium and other psychoses diagnosis codes:**

|       |                         |       |                          |
|-------|-------------------------|-------|--------------------------|
| 2900  | SENILE DEMENTIA UNCOMP  | 2910  | DELIRIUM TREMENS         |
| 29010 | PRESENILE DEMENTIA      | 2911  | ALCOHOL AMNESTIC SYND    |
| 29011 | PRESENILE DELIRIUM      | 2912  | ALCOHOLIC DEMENTIA NEC   |
| 29012 | PRESENILE DELUSION      | 2913  | ALCOHOL HALLUCINOSIS     |
| 29013 | PRESENILE DEPRESSION    | 2914  | PATHOLOGIC ALCOHOL INTOX |
| 29020 | SENILE DELUSION         | 2915  | ALCOHOLIC JEALOUSY       |
| 29021 | SENILE DEPRESSIVE       | 2918  | ALCOHOLIC PSYCHOSIS NEC  |
| 2903  | SENILE DELIRIUM         | 29181 | ALCOHOL WITHDRAWAL       |
| 29040 | ARTERIOSCLER DEMENT NOS | 29189 | ALCOHOLIC PSYCHOSIS NEC  |
| 29041 | ARTERIOSCLER DELIRIUM   | 2919  | ALCOHOLIC PSYCHOSIS NOS  |
| 29042 | ARTERIOSCLER DELUSION   | 2920  | DRUG WITHDRAWAL SYNDROME |
| 29043 | ARTERIOSCLER DEPRESSIVE | 29211 | DRUG PARANOID STATE      |
| 2908  | SENILE PSYCHOSIS NEC    | 29212 | DRUG HALLUCINOSIS        |
| 2909  | SENILE PSYCHOT COND NOS | 2922  | PATHOLOGIC DRUG INTOX    |

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|       |                          |       |                          |
|-------|--------------------------|-------|--------------------------|
| 29281 | DRUG-INDUCED DELIRIUM    | 29564 | RESID SCHIZO-CHR/EXACERB |
| 29282 | DRUG-INDUCED DEMENTIA    | 29565 | RESID SCHIZOPHREN-REMISS |
| 29283 | DRUG AMNESTIC SYNDROME   | 29570 | SCHIZOAFFECTIVE-SUBCHR   |
| 29284 | DRUG DEPRESSIVE SYNDROME | 29571 | SCHIZOAFFECTIVE-SUBCHR   |
| 29285 | DRUG INDUCED SLEEP DISOR | 29572 | SCHIZOAFFECTIVE-CHRONIC  |
| 29289 | DRUG MENTAL DISORDER NEC | 29573 | SCHIZOAFF-SUBCHR/EXACER  |
| 2929  | DRUG MENTAL DISORDER NOS | 29574 | SCHIZOAFFECT-CHR/EXACER  |
| 2930  | ACUTE DELIRIUM           | 29575 | SCHIZOAFFECTIVE-REMISS   |
| 2931  | SUBACUTE DELIRIUM        | 29580 | SCHIZOPHRENIA NEC-UNSPEC |
| 29381 | ORGANIC DELUSIONAL SYND  | 29581 | SCHIZOPHRENIA NEC-SUBCHR |
| 29382 | ORGANIC HALLUCINOSIS SYN | 29582 | SCHIZOPHRENIA NEC-CHR    |
| 29383 | ORGANIC AFFECTIVE SYND   | 29583 | SCHIZO NEC-SUBCHR/EXACER |
| 29384 | ORGANIC ANXIETY SYNDROME | 29584 | SCHIZO NEC-CHR/EXACERB   |
| 29389 | TRANSIENT ORG MENTAL NEC | 29585 | SCHIZOPHRENIA NEC-REMISS |
| 2939  | TRANSIENT ORG MENTAL NOS | 29590 | SCHIZOPHRENIA NOS-UNSPEC |
| 2940  | AMNESTIC SYNDROME        | 29591 | SCHIZOPHRENIA NOS-SUBCHR |
| 2941  | DEMENTIA IN OTH DISEASES | 29592 | SCHIZOPHRENIA NOS-CHR    |
| 29410 | DEMENTIA W/O BEHAV DIST  | 29593 | SCHIZO NOS-SUBCHR/EXACER |
| 29411 | DEMENTIA W BEHAVIOR DIST | 29594 | SCHIZO NOS-CHR/EXACERB   |
| 2948  | ORGANIC BRAIN SYND NEC   | 29595 | SCHIZOPHRENIA NOS-REMISS |
| 2949  | ORGANIC BRAIN SYND NOS   | 29630 | RECURR DEPR PSYCHOS-UNSP |
| 29500 | SIMPL SCHIZOPHREN-UNSPEC | 29631 | RECURR DEPR PSYCHOS-MILD |
| 29501 | SIMPL SCHIZOPHREN-SUBCHR | 29632 | RECURR DEPR PSYCHOS-MOD  |
| 29502 | SIMPLE SCHIZOPHREN-CHR   | 29633 | RECUR DEPR PSYCH-SEVERE  |
| 29503 | SIMP SCHIZ-SUBCHR/EXACER | 29634 | REC DEPR PSYCH-PSYCHOTIC |
| 29504 | SIMPL SCHIZO-CHR/EXACERB | 29635 | RECUR DEPR PSYC-PART REM |
| 29505 | SIMPL SCHIZOPHREN-REMISS | 29636 | RECUR DEPR PSYC-FULL REM |
| 29510 | HEBEPHRENIA-UNSPEC       | 29640 | BIPOL AFF, MANIC-UNSPEC  |
| 29511 | HEBEPHRENIA-SUBCHRONIC   | 29641 | BIPOLAR AFF, MANIC-MILD  |
| 29512 | HEBEPHRENIA-CHRONIC      | 29642 | BIPOLAR AFFEC, MANIC-MOD |
| 29513 | HEBEPHREN-SUBCHR/EXACERB | 29643 | BIPOL AFF, MANIC-SEVERE  |
| 29514 | HEBEPHRENIA-CHR/EXACERB  | 29644 | BIPOL MANIC-SEV W PSYCH  |
| 29515 | HEBEPHRENIA-REMISSION    | 29645 | BIPOL AFF MANIC-PART REM |
| 29520 | CATATONIA-UNSPEC         | 29646 | BIPOL AFF MANIC-FULL REM |
| 29521 | CATATONIA-SUBCHRONIC     | 2967  | BIPOLAR AFFECTIVE NOS    |
| 29522 | CATATONIA-CHRONIC        | 29680 | MANIC-DEPRESSIVE NOS     |
| 29523 | CATATONIA-SUBCHR/EXACERB | 29681 | ATYPICAL MANIC DISORDER  |
| 29524 | CATATONIA-CHR/EXACERB    | 29682 | ATYPICAL DEPRESSIVE DIS  |
| 29525 | CATATONIA-REMISSION      | 29689 | MANIC-DEPRESSIVE NEC     |
| 29530 | PARANOID SCHIZO-UNSPEC   | 29690 | AFFECTIVE PSYCHOSIS NOS  |
| 29531 | PARANOID SCHIZO-SUBCHR   | 2970  | PARANOID STATE, SIMPLE   |
| 29532 | PARANOID SCHIZO-CHRONIC  | 2971  | PARANOIA                 |
| 29533 | PARAN SCHIZO-SUBCHR/EXAC | 2972  | PARAPHRENIA              |
| 29534 | PARAN SCHIZO-CHR/EXACERB | 2973  | SHARED PARANOID DISORDER |
| 29535 | PARANOID SCHIZO-REMISS   | 2978  | PARANOID STATES NEC      |
| 29540 | AC SCHIZOPHRENIA-UNSPEC  | 2979  | PARANOID STATE NOS       |
| 29541 | AC SCHIZOPHRENIA-SUBCHR  | 2980  | REACT DEPRESS PSYCHOSIS  |
| 29542 | AC SCHIZOPHRENIA-CHR     | 2981  | EXCITATIV TYPE PSYCHOSIS |
| 29543 | AC SCHIZO-SUBCHR/EXACERB | 2982  | REACTIVE CONFUSION       |
| 29544 | AC SCHIZOPHR-CHR/EXACERB | 2983  | ACUTE PARANOID REACTION  |
| 29545 | AC SCHIZOPHRENIA-REMISS  | 2984  | PSYCHOGEN PARANOID PSYCH |
| 29550 | LATENT SCHIZOPHREN-UNSP  | 2988  | REACT PSYCHOSIS NEC/NOS  |
| 29551 | LAT SCHIZOPHREN-SUBCHR   | 2989  | PSYCHOSIS NOS            |
| 29552 | LATENT SCHIZOPHREN-CHR   | 29900 | INFANTILE AUTISM-ACTIVE  |
| 29553 | LAT SCHIZO-SUBCHR/EXACER | 29901 | INFANTILE AUTISM-RESID   |
| 29554 | LATENT SCHIZO-CHR/EXACER | 29910 | DISINTEGR PSYCH-ACTIVE   |
| 29555 | LAT SCHIZOPHREN-REMISS   | 29911 | DISINTEGR PSYCH-RESIDUAL |
| 29560 | RESID SCHIZOPHREN-UNSP   | 29980 | CHILD PSYCHOS NEC-ACTIVE |
| 29561 | RESID SCHIZOPHREN-SUBCHR | 29981 | CHILD PSYCHOS NEC-RESID  |
| 29562 | RESIDUAL SCHIZOPHREN-CHR | 29990 | CHILD PSYCHOS NOS-ACTIVE |
| 29563 | RESID SCHIZO-SUBCHR/EXAC | 29991 | CHILD PSYCHOS NOS-RESID  |

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**ICD-9-CM Anoxic brain Injury diagnosis code:**

3481 ANOXIC BRAIN DAMAGE

**ICD-9-CM Metastatic cancer diagnosis codes:**

|      |                          |       |  |
|------|--------------------------|-------|--|
| 1960 | MAL NEO LYMPH-HEAD/NECK  | 1986  | SECOND MALIG NEO OVARY   |
| 1961 | MAL NEO LYMPH-INTRATHOR  | 1987  | SECOND MALIG NEO ADRENAL                                       |
| 1962 | MAL NEO LYMPH INTRA-ABD  | 19881 | SECOND MALIG NEO BREAST  |
| 1963 | MAL NEO LYMPH-AXILLA/ARM | 19882 | SECOND MALIG NEO GENITAL                                       |
| 1965 | MAL NEO LYMPH-INGUIN/LEG | 19889 | SECONDARY MALIG NEO NEC  |
| 1966 | MAL NEO LYMPH-INTRAPELV  | 1990  | MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE, DISSEMINATED |
| 1968 | MAL NEO LYMPH NODE-MULT  | 20970 | SECONDARY NEUROENDOCRINE TUMOR, UNSPECIFIED SITE (OCT09)       |
| 1969 | MAL NEO LYMPH NODE NOS   | 20971 | SECONDARY NEUROENDOCRINE TUMOR OF DISTANT LYMPH NODES (OCT09)  |
| 1970 | SECONDARY MALIG NEO LUNG | 20972 | SECONDARY NEUROENDOCRINE TUMOR OF LIVER (OCT09)                |
| 1971 | SEC MAL NEO MEDIASTINUM  | 20973 | SECONDARY NEUROENDOCRINE TUMOR OF BONE (OCT09)                 |
| 1972 | SECOND MALIG NEO PLEURA  | 20974 | SECONDARY NEUROENDOCRINE TUMOR OF PERITONEUM (OCT09)           |
| 1973 | SEC MALIG NEO RESP NEC   | 20975 | SECONDARY MERKEL CELL CARCINOMA (OCT09)                        |
| 1974 | SEC MALIG NEO SM BOWEL   | 20979 | SECONDARY NEUROENDOCRINE TUMOR OF OTHER SITES (OCT09)          |
| 1975 | SEC MALIG NEO LG BOWEL   |       |  |
| 1976 | SEC MAL NEO PERITONEUM   |       |  |
| 1977 | SECOND MALIG NEO LIVER   |       |  |
| 1978 | SEC MAL NEO GI NEC       |       |  |
| 1980 | SECOND MALIG NEO KIDNEY  |       |  |
| 1981 | SEC MALIG NEO URIN NEC   |       |  |
| 1982 | SECONDARY MALIG NEO SKIN |       |  |
| 1983 | SEC MAL NEO BRAIN/SPINE  |       |  |
| 1984 | SEC MALIG NEO NERVE NEC  |       |  |
| 1985 | SECONDARY MALIG NEO BONE |       |  |

**ICD-9-CM Lymphoid malignancy diagnosis codes:**

|       |                          |       |                          |
|-------|--------------------------|-------|--------------------------|
| 20000 | RETCLSRC UNSP XTRNDL ORG | 20083 | MIXED LYMPHOSARC ABDOM   |
| 20001 | RETICULOSARCOMA HEAD     | 20084 | MIXED LYMPHOSARC AXILLA  |
| 20002 | RETICULOSARCOMA THORAX   | 20085 | MIXED LYMPHOSARC INGUIN  |
| 20003 | RETICULOSARCOMA ABDOM    | 20086 | MIXED LYMPHOSARC PELVIC  |
| 20004 | RETICULOSARCOMA AXILLA   | 20087 | MIXED LYMPHOSARC SPLEEN  |
| 20005 | RETICULOSARCOMA INGUIN   | 20088 | MIXED LYMPHOSARC MULT    |
| 20006 | RETICULOSARCOMA PELVIC   | 20100 | HDGK PRG UNSP XTRNDL ORG |
| 20007 | RETICULOSARCOMA SPLEEN   | 20101 | HODGKINS PARAGRAN HEAD   |
| 20008 | RETICULOSARCOMA MULT     | 20102 | HODGKINS PARAGRAN THORAX |
| 20010 | LYMPHSRC UNSP XTRNDL ORG | 20103 | HODGKINS PARAGRAN ABDOM  |
| 20011 | LYMPHOSARCOMA HEAD       | 20104 | HODGKINS PARAGRAN AXILLA |
| 20012 | LYMPHOSARCOMA THORAX     | 20105 | HODGKINS PARAGRAN INGUIN |
| 20013 | LYMPHOSARCOMA ABDOM      | 20106 | HODGKINS PARAGRAN PELVIC |
| 20014 | LYMPHOSARCOMA AXILLA     | 20107 | HODGKINS PARAGRAN SPLEEN |
| 20015 | LYMPHOSARCOMA INGUIN     | 20108 | HODGKINS PARAGRAN MULT   |
| 20016 | LYMPHOSARCOMA PELVIC     | 20110 | HDGK GRN UNSP XTRNDL ORG |
| 20017 | LYMPHOSARCOMA SPLEEN     | 20111 | HODGKINS GRANULOM HEAD   |
| 20018 | LYMPHOSARCOMA MULT       | 20112 | HODGKINS GRANULOM THORAX |
| 20020 | BRKT TMR UNSP XTRNDL ORG | 20113 | HODGKINS GRANULOM ABDOM  |
| 20021 | BURKITTS TUMOR HEAD      | 20114 | HODGKINS GRANULOM AXILLA |
| 20022 | BURKITTS TUMOR THORAX    | 20115 | HODGKINS GRANULOM INGUIN |
| 20023 | BURKITTS TUMOR ABDOM     | 20116 | HODGKINS GRANULOM PELVIC |
| 20024 | BURKITTS TUMOR AXILLA    | 20117 | HODGKINS GRANULOM SPLEEN |
| 20025 | BURKITTS TUMOR INGUIN    | 20118 | HODGKINS GRANULOM MULT   |
| 20026 | BURKITTS TUMOR PELVIC    | 20120 | HDGK SRC UNSP XTRNDL ORG |
| 20027 | BURKITTS TUMOR SPLEEN    | 20121 | HODGKINS SARCOMA HEAD    |
| 20028 | BURKITTS TUMOR MULT      | 20122 | HODGKINS SARCOMA THORAX  |
| 20080 | OTH VARN UNSP XTRNDL ORG | 20123 | HODGKINS SARCOMA ABDOM   |
| 20081 | MIXED LYMPHOSARC HEAD    | 20124 | HODGKINS SARCOMA AXILLA  |
| 20082 | MIXED LYMPHOSARC THORAX  | 20125 | HODGKINS SARCOMA INGUIN  |

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|       |   |       |                          |
|-------|---|-------|--------------------------|
| 20126 | HODGKINS SARCOMA PELVIC   | 20212 | MYCOSIS FUNGOIDES THORAX |
| 20127 | HODGKINS SARCOMA SPLEEN   | 20213 | MYCOSIS FUNGOIDES ABDOM  |
| 20128 | HODGKINS SARCOMA MULT   | 20214 | MYCOSIS FUNGOIDES AXILLA |
| 20140 | LYM-HST UNSP XTRNDL ORGN  | 20215 | MYCOSIS FUNGOIDES INGUIN |
| 20141 | HODG LYMPH-HISTIO HEAD  | 20216 | MYCOSIS FUNGOIDES PELVIC |
| 20142 | HODG LYMPH-HISTIO THORAX  | 20217 | MYCOSIS FUNGOIDES SPLEEN |
| 20143 | HODG LYMPH-HISTIO ABDOM   | 20218 | MYCOSIS FUNGOIDES MULT   |
| 20144 | HODG LYMPH-HISTIO AXILLA  | 20220 | SZRY DIS UNSP XTRNDL ORG |
| 20145 | HODG LYMPH-HISTIO INGUIN  | 20221 | SEZARYS DISEASE HEAD     |
| 20146 | HODG LYMPH-HISTIO PELVIC  | 20222 | SEZARYS DISEASE THORAX   |
| 20147 | HODG LYMPH-HISTIO SPLEEN  | 20223 | SEZARYS DISEASE ABDOM    |
| 20148 | HODG LYMPH-HISTIO MULT  | 20224 | SEZARYS DISEASE AXILLA   |
| 20150 | NDR SCLR UNSP XTRNDL ORG  | 20225 | SEZARYS DISEASE INGUIN   |
| 20151 | HODG NODUL SCLERO HEAD  | 20226 | SEZARYS DISEASE PELVIC   |
| 20152 | HODG NODUL SCLERO THORAX  | 20227 | SEZARYS DISEASE SPLEEN   |
| 20153 | HODG NODUL SCLERO ABDOM   | 20228 | SEZARYS DISEASE MULT     |
| 20154 | HODG NODUL SCLERO AXILLA  | 20230 | MLG HIST UNSP XTRNDL ORG |
| 20155 | HODG NODUL SCLERO INGUIN  | 20231 | MAL HISTIOCYTOSIS HEAD   |
| 20156 | HODG NODUL SCLERO PELVIC  | 20232 | MAL HISTIOCYTOSIS THORAX |
| 20157 | HODG NODUL SCLERO SPLEEN  | 20233 | MAL HISTIOCYTOSIS ABDOM  |
| 20158 | HODG NODUL SCLERO MULT  | 20234 | MAL HISTIOCYTOSIS AXILLA |
| 20160 | MXD CELR UNSP XTRNDL ORG  | 20235 | MAL HISTIOCYTOSIS INGUIN |
| 20161 | HODGKINS MIX CELL HEAD  | 20236 | MAL HISTIOCYTOSIS PELVIC |
| 20162 | HODGKINS MIX CELL THORAX  | 20237 | MAL HISTIOCYTOSIS SPLEEN |
| 20163 | HODGKINS MIX CELL ABDOM   | 20238 | MAL HISTIOCYTOSIS MULT   |
| 20164 | HODGKINS MIX CELL AXILLA  | 20240 | LK RTCTL UNSP XTRNDL ORG |
| 20165 | HODGKINS MIX CELL INGUIN  | 20241 | HAIRY-CELL LEUKEM HEAD   |
| 20166 | HODGKINS MIX CELL PELVIC  | 20242 | HAIRY-CELL LEUKEM THORAX |
| 20167 | HODGKINS MIX CELL SPLEEN  | 20243 | HAIRY-CELL LEUKEM ABDOM  |
| 20168 | HODGKINS MIX CELL MULT  | 20244 | HAIRY-CELL LEUKEM AXILLA |
| 20170 | LYM DPLT UNSP XTRNDL ORG  | 20245 | HAIRY-CELL LEUKEM INGUIN |
| 20171 | HODG LYMPH DEPLET HEAD  | 20246 | HAIRY-CELL LEUKEM PELVIC |
| 20172 | HODG LYMPH DEPLET THORAX  | 20247 | HAIRY-CELL LEUKEM SPLEEN |
| 20173 | HODG LYMPH DEPLET ABDOM   | 20248 | HAIRY-CELL LEUKEM MULT   |
| 20174 | HODG LYMPH DEPLET AXILLA  | 20250 | LTR-SIWE UNSP XTRNDL ORG |
| 20175 | HODG LYMPH DEPLET INGUIN  | 20251 | LETTERER-SIWE DIS HEAD   |
| 20176 | HODG LYMPH DEPLET PELVIC  | 20252 | LETTERER-SIWE DIS THORAX |
| 20177 | HODG LYMPH DEPLET SPLEEN  | 20253 | LETTERER-SIWE DIS ABDOM  |
| 20178 | HODG LYMPH DEPLET MULT  | 20254 | LETTERER-SIWE DIS AXILLA |
| 20190 | HDGK DIS UNSP XTRNDL ORG  | 20255 | LETTERER-SIWE DIS INGUIN |
| 20191 | HODGKINS DIS NOS HEAD   | 20256 | LETTERER-SIWE DIS PELVIC |
| 20192 | HODGKINS DIS NOS THORAX   | 20257 | LETTERER-SIWE DIS SPLEEN |
| 20193 | HODGKINS DIS NOS ABDOM  | 20258 | LETTERER-SIWE DIS MULT   |
| 20194 | HODGKINS DIS NOS AXILLA   | 20260 | MLG MAST UNSP XTRNDL ORG |
| 20195 | HODGKINS DIS NOS INGUIN   | 20261 | MAL MASTOCYTOSIS HEAD    |
| 20196 | HODGKINS DIS NOS PELVIC   | 20262 | MAL MASTOCYTOSIS THORAX  |
| 20197 | HODGKINS DIS NOS SPLEEN   | 20263 | MAL MASTOCYTOSIS ABDOM   |
| 20198 | HODGKINS DIS NOS MULT   | 20264 | MAL MASTOCYTOSIS AXILLA  |
| 202   | OTHER MALIGNANT NEOPLASMS OF<br>LYMPHOID AND HISTIOCYTIC TISSUE | 20265 | MAL MASTOCYTOSIS INGUIN  |
| 20200 | NDLR LYM UNSP XTRNDL ORG  | 20266 | MAL MASTOCYTOSIS PELVIC  |
| 20201 | NODULAR LYMPHOMA HEAD   | 20267 | MAL MASTOCYTOSIS SPLEEN  |
| 20202 | NODULAR LYMPHOMA THORAX   | 20268 | MAL MASTOCYTOSIS MULT    |
| 20203 | NODULAR LYMPHOMA ABDOM  | 20280 | OTH LYMP UNSP XTRNDL ORG |
| 20204 | NODULAR LYMPHOMA AXILLA   | 20281 | LYMPHOMAS NEC HEAD       |
| 20205 | NODULAR LYMPHOMA INGUIN   | 20282 | LYMPHOMAS NEC THORAX     |
| 20206 | NODULAR LYMPHOMA PELVIC   | 20283 | LYMPHOMAS NEC ABDOM      |
| 20207 | NODULAR LYMPHOMA SPLEEN   | 20284 | LYMPHOMAS NEC AXILLA     |
| 20208 | NODULAR LYMPHOMA MULT   | 20285 | LYMPHOMAS NEC INGUIN     |
| 20210 | MYCS FNG UNSP XTRNDL ORG  | 20286 | LYMPHOMAS NEC PELVIC     |
| 20211 | MYCOSIS FUNGOIDES HEAD  | 20287 | LYMPHOMAS NEC SPLEEN     |
|       |   | 20288 | LYMPHOMAS NEC MULT       |



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|       |                          |       |                           |
|-------|--------------------------|-------|---------------------------|
| 20290 | UNSP LYM UNSP XTRNDL ORG | 2059  | MYELOID LEUKEMIA NOS      |
| 20291 | LYMPHOID MAL NEC HEAD    | 20590 | UNS MYL LEUK W/O RMSION   |
| 20292 | LYMPHOID MAL NEC THORAX  | 20591 | UNS MYL LEUK W RMSION     |
| 20293 | LYMPHOID MAL NEC ABDOM   | 20592 | MYEL LEUK NOS IN RELAPSE  |
| 20294 | LYMPHOID MAL NEC AXILLA  | 2060  | ACUTE MONOCYTTIC LEUKEMIA |
| 20295 | LYMPHOID MAL NEC INGUIN  | 20600 | ACT MONO LEUK W/O RMSION  |
| 20296 | LYMPHOID MAL NEC PELVIC  | 20601 | ACT MONO LEUK W RMSION    |
| 20297 | LYMPHOID MAL NEC SPLEEN  | 20602 | ACT MONO LEUK IN RELAPSE  |
| 20298 | LYMPHOID MAL NEC MULT    | 2061  | CHR MONOCYTTIC LEUKEMIA   |
| 2030  | MULTIPLE MYELOMA         | 20610 | CHR MONO LEUK W/O RMSION  |
| 20300 | MULT MYELM W/O REMISSION | 20611 | CHR MONO LEUK W RMSION    |
| 20301 | MULT MYELM W REMISSION   | 20612 | CHR MONO LEUK IN RELAPSE  |
| 20302 | MULT MYELOMA IN RELAPSE  | 2062  | SUBAC MONOCYTTIC LEUKEMIA |
| 2031  | PLASMA CELL LEUKEMIA     | 20620 | SBAC MONO LEUK W/O RMSON  |
| 20310 | PLSM CELL LEUK W/O RMSON | 20621 | SBAC MONO LEUK W RMSION   |
| 20311 | PLSM CELL LEUK W RMSON   | 20622 | SBAC MONO LEU IN RELAPSE  |
| 20312 | PLSM CEL LEUK IN RELAPSE | 2068  | MONOCYTTIC LEUKEMIA NEC   |
| 2038  | IMMUNOPROLIFERAT NEO NEC | 20680 | OTH MONO LEUK W/O RMSION  |
| 20380 | OTH IMNPRFL NPL W/O RMSN | 20681 | OTH MONO LEUK W RMSION    |
| 20381 | OTH IMNPRFL NPL W RMSN   | 20682 | OTH MONO LEUK IN RELAPSE  |
| 20382 | OTH IMNPRLF NEO-RELAPSE  | 2069  | MONOCYTTIC LEUKEMIA NOS   |
| 2040  | ACUTE LYMPHOID LEUKEMIA  | 20690 | UNS MONO LEUK W/O RMSION  |
| 20400 | ACT LYM LEUK W/O RMSION  | 20691 | UNS MONO LEUK W RMSION    |
| 20401 | ACT LYM LEUK W RMSION    | 20692 | MONO LEUK NOS RELAPSE     |
| 20402 | ACT LYMP LEUK IN RELAPSE | 2070  | ACUTE ERYTHREMIA          |
| 2041  | CHR LYMPHOID LEUKEMIA    | 20700 | ACT ERTH/ERYLK W/O RMSON  |
| 20410 | CHR LYM LEUK W/O RMSION  | 20701 | ACT ERTH/ERYLK W RMSON    |
| 20411 | CHR LYM LEUK W RMSION    | 20702 | AC ERTH/ERYLK IN RELAPSE  |
| 20412 | CHR LYMP LEUK IN RELAPSE | 2071  | CHRONIC ERYTHREMIA        |
| 2042  | SUBAC LYMPHOID LEUKEMIA  | 20710 | CHR ERYTHRM W/O REMISSION |
| 20420 | SBAC LYM LEUK W/O RMSION | 20711 | CHR ERYTHRM W REMISSION   |
| 20421 | SBAC LYM LEUK W RMSION   | 20712 | CHR ERYTHRMIA IN RELAPSE  |
| 20422 | SBAC LYM LEUK IN RELAPSE | 2072  | MEGAKARYOCYTTIC LEUKEMIA  |
| 2048  | LYMPHOID LEUKEMIA NEC    | 20720 | MGKRYCYT LEUK W/O RMSION  |
| 20480 | OTH LYM LEUK W/O RMSION  | 20721 | MGKRYCYT LEUK W RMSION    |
| 20481 | OTH LYM LEUK W RMSION    | 20722 | MGKRYCYT LEUK IN RELAPSE  |
| 20482 | OTH LYM LEUK IN RELAPSE  | 2078  | SPECIFIED LEUKEMIA NEC    |
| 2049  | LYMPHOID LEUKEMIA NOS    | 20780 | OTH SPF LEUK W/O REMSION  |
| 20490 | UNS LYM LEUK W/O RMSION  | 20781 | OTH SPF LEUK W REMSION    |
| 20491 | UNS LYM LEUK W RMSION    | 20782 | OTH SPF LEUK IN RELAPSE   |
| 20492 | LYMP LEUK NOS RELAPSE    | 2080  | ACT LEUK UNS CL W/O RMSN  |
| 2050  | ACUTE MYELOID LEUKEMIA   | 20800 | ACT LEUK UNS CL W/O RMSN  |
| 20500 | ACT MYL LEUK W/O RMSION  | 20801 | ACT LEUK UNS CL W RMSON   |
| 20501 | ACT MYL LEUK W RMSION    | 20802 | AC LEUK UNS CL RELAPSE    |
| 20502 | ACT MYEL LEUK IN RELAPSE | 2081  | CHRONIC LEUKEMIA NOS      |
| 2051  | CHRONIC MYELOID LEUKEMIA | 20810 | CHR LEUK UNS CL W/O RMSN  |
| 20510 | CHR MYL LEUK W/O RMSION  | 20811 | CHR LEUK UNS CL W RMSON   |
| 20511 | CHR MYL LEUK W RMSION    | 20812 | CH LEU UNS CL IN RELAPSE  |
| 20512 | CHR MYEL LEUK IN RELAPSE | 2082  | SUBACUTE LEUKEMIA NOS     |
| 2052  | SUBACUT MYELOID LEUKEMIA | 20820 | SBAC LEUK UNS CL W/O RMS  |
| 20520 | SBAC MYL LEUK W/O RMSION | 20821 | SBAC LEUK UNS CL W RMSON  |
| 20521 | SBAC MYL LEUK W RMSION   | 20822 | SBAC LEU UNS CL-RELAPSE   |
| 20522 | SBAC MYL LEUK IN RELAPSE | 2088  | LEUKEMIA-UNSPEC CELL NEC  |
| 2053  | MYELOID SARCOMA          | 20880 | OTH LEUK UNS CL W/O RMSN  |
| 20530 | MYL SRCOMA W/O RMSION    | 20881 | OTH LEUK UNS CL W RMSON   |
| 20531 | MYL SRCOMA W RMSION      | 20882 | OTH LEUK UNS CL-RELAPSE   |
| 20532 | MYEL SARCOMA IN RELAPSE  | 2089  | LEUKEMIA-UNSPEC CELL NOS  |
| 2058  | MYELOID LEUKEMIA NEC     | 20890 | LEUKEMIA NOS W/O REMSION  |
| 20580 | OTH MYL LEUK W/O RMSION  | 20891 | LEUKEMIA NOS W REMISSION  |
| 20581 | OTH MYL LEUK W RMSION    | 20892 | LEUKEMIA NOS IN RELAPSE   |
| 20582 | OTH MYEL LEUK IN RELAPSE |       |                           |

**ICD-9-CM Bone malignancy diagnosis codes:**

|      |                         |      |                          |
|------|-------------------------|------|--------------------------|
| 1700 | MAL NEO SKULL/FACE BONE | 1705 | MAL NEO BONES WRIST/HAND |
| 1701 | MALIGNANT NEO MANDIBLE  | 1706 | MAL NEO PELVIC GIRDLE    |
| 1702 | MALIG NEO VERTEBRAE     | 1707 | MAL NEO LONG BONES LEG   |
| 1703 | MAL NEO RIBS/STERN/CLAV | 1708 | MAL NEO BONES ANKLE/FOOT |
| 1704 | MAL NEO LONG BONES ARM  | 1709 | MALIG NEOPL BONE NOS     |

**ICD-9-CM Self-inflicted injury diagnosis codes:**

|       |   |       |  |
|-------|---|-------|--|
| E9500 | ANALGESICS, ANTIPYRETICS, AND<br>ANTIRHEUMATICS   | E9538 | OTHER SPECIFIED MEANS  |
| E9501 | BARBITUATES   | E954  | SUICIDE AND SELF-INFLICTED INJURY<br>BY SUBMERSION [DROWNING]              |
| E9502 | OTHER SEDATIVE AND HYPNOTICS  | E9550 | HANDGUN  |
| E9503 | TRANQUILIZERS AND OTHER<br>PSYCHOTROPIC AGENTS  | E9551 | SHOTGUN  |
| E9504 | OTHER SPECIFIED DRUGS AND<br>MEDICINAL SUBSTANCES   | E9552 | HUNTING RIFLE  |
| E9505 | UNSPECIFIED DRUG OR MEDICINAL<br>SUBSTANCE  | E9553 | MILITARY FIREARMS  |
| E9506 | AGRICULTURAL AND HORTICULTURAL<br>CHEMICAL AND PHARMACEUTICAL<br>PREPARATIONS OTHER THAN PLANT<br>FOODS AND FERTILIZERS | E9554 | OTHER AND UNSPECIFIED FIREARMS   |
| E9507 | CORROSIVE AND CAUSTIC<br>SUBSTANCES   | E9555 | EXPLOSIVES   |
| E9508 | ARSENIC AND ITS COMPOUNDS   | E9559 | UNSPECIFIED  |
| E9509 | OTHER AND UNSPECIFIED SOLID AND<br>LIQUID SUBSTANCES  | E956  | SUICIDE AND SELF INFLICTED INJURY<br>BY CUTTING AND PIERCING<br>INSTRUMENT |
| E9510 | GAS DISTRIBUTED BY PIPELINE   | E9570 | RESIDENTIAL PREMISES   |
| E9511 | LIQUIFIED PETROLEUM GAS<br>DISTRIBUTED IN MOBILE CONTAINERS   | E9571 | OTHER MAN-MADE STRUCTURES  |
| E9518 | OTHER UTLITY GASES  | E9572 | NATURAL SITES  |
| E9520 | MOTOR VEHICLE EXHAUST GAS   | E9579 | UNSPECIFIED  |
| E9521 | OTHER CARBON MONOXIDE   | E9580 | JUMPING OR LYING BEFORE MOVING<br>OBJECT                                   |
| E9528 | OTHER SPECIFIED GASES AND VAPORS  | E9581 | BURNS, FIRE  |
| E9529 | UNSPECIFIED GASES AND VAPORS  | E9582 | SCALD  |
| E9530 | HANGING   | E9583 | EXTREMES OF COLD   |
| E9531 | SUFFOCATION BY PLASTIC BAG  | E9584 | ELECTROCUTION  |
|       |   | E9585 | CRASHING OF MOTOR VEHICLE  |
|       |   | E9586 | CRASHING OF AIRCRAFT   |
|       |   | E9587 | CAUSTIC SUBSTANCES EXCEPT<br>POISONING                                     |
|       |   | E9588 | OTHER SPECIFIED MEANS  |