

Postoperative Hip Fracture Rate Technical Specifications

Patient Safety Indicators #8 (PSI #8)
AHRQ Quality Indicators™, Version 4.5, May 2013
Provider-Level Indicator
Type of Score: Rate

Description

Postoperative hip fracture (secondary diagnosis) per 1,000 surgical discharges for patients ages 18 years and older. Excludes cases that are susceptible to falling (seizure disorder, syncope, stroke, occlusion of arteries, coma, cardiac arrest, poisoning, trauma, delirium or other psychoses, anoxic brain injury, metastatic cancer, lymphoid malignancy, bone malignancy, disorders of the musculoskeletal system, and disorders of connective tissue), cases with self-inflicted injury, cases with a principal diagnosis of hip fracture, cases with a secondary diagnosis of hip fracture present on admission, and obstetric cases.

[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report events per 1,000 hospital discharges.]

Numerator

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

ICD-9-CM Hip fracture diagnosis codes:

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

Denominator

Surgical discharges, ages 18 years and older, with any-listed ICD-9-CM procedure codes for an operating room procedure. Surgical discharges are defined by specific DRG or MS-DRG codes.

See *Patient Safety Indicators Appendices*:

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

Exclude cases:

- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission) for hip fracture (see above)
- 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[†]
- with a principal ICD-9-CM diagnosis code for seizure
- with a principal ICD-9-CM diagnosis code for syncope
- with a principal ICD-9-CM diagnosis code for stroke and occlusion of arteries
- with a principal ICD-9-CM diagnosis code for coma
- with a principal ICD-9-CM diagnosis code for cardiac arrest
- with a principal ICD-9-CM diagnosis code for poisoning
- with a principal ICD-9-CM diagnosis code for trauma
- with a principal ICD-9-CM diagnosis code for delirium and other psychoses
- with a principal ICD-9-CM diagnosis code for anoxic brain injury
- with any-listed ICD-9-CM diagnosis codes for metastatic cancer
- with any-listed ICD-9-CM diagnosis codes for lymphoid malignancy
- with any-listed ICD-9-CM diagnosis codes for bone malignancy
- with any-listed ICD-9-CM diagnosis codes for self-inflicted injury
- MDC 8 (diseases and disorders of the musculoskeletal system and connective tissue)
- MDC14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), or principal diagnosis (DX1=missing)

See *Patient Safety Indicators Appendices*:

- Appendix G – Trauma Diagnosis Codes
- Appendix K – Self-Inflicted Injury Diagnosis Codes

ICD-9-CM Hip fracture repair procedure codes:

7855	INTERNAL FIXATION-FEMUR	7965	DEBRID OPN FX-FEMUR
7905	CL FX FEMUR REDUC-FEMUR	8151	TOTAL HIP REPLACEMENT
7915	CLOSED RED-INT FIX FEMUR	8152	PARTIAL HIP REPLACEMENT
7925	OPEN REDUCTION-FEMUR FX	8153	REVISE HIP REPLACEMENT NOS
7935	OPEN REDUC-INT FIX FEMUR		

ICD-9-CM Seizure diagnosis codes¹:

34500	GEN NONCV EP W/O INTR EP	34511	GEN CNV EPIL W INTR EPIL
34501	GEN NONCONV EP W INTR EP	3452	PETIT MAL STATUS
34510	GEN CNV EPIL W/P INTR EP	3453	GRAND MAL STATUS

[†] If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available

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34540	PSYMOTR EPI W/O INT EPI	34581	EPILEPSY NEC W INTR EPIL
34541	PSYMOTR EPIL W INTR EPIL	34590	EPILEP NOS W/O INTR EPIL
34550	PART EPIL W/O INTR EPIL	34591	EPILEPSY NOS W INTR EPIL
34551	PART EPIL W INTR EPIL	7803	<i>CONVULSIONS</i>
34560	INF SPASM W/O INTR EPIL	78031	FEBRILE CONVULSIONS NOS
34561	INF SPASM W/O INT EPIL	78032	COMPLX FEBRILE CONVULSNS
34570	EPIL PAR CONT W/O INT EP	78033	POST TRAUMATIC SEIZURES
34571	EPIL PAR CONT W INTR EPI	78039	CONVULSIONS NEC
34580	EPILEP NEC W/O INT EP		

¹The procedure or diagnosis codes are continuously updated. The current list of ICD-9-CM codes is valid for October 2012 through September 2013. Italicized codes are not active in Fiscal Year 2013.

ICD-9-CM Syncope diagnosis codes:

33701	CAROTID SINUS SYNDROME	7802	SYNCOPE AND COLLAPSE
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ICD-9-CM Stroke and occlusion of arteries diagnosis codes:

430	SUBARACHNOID HEMORRHAGE	43391	OCL ART NOS W INFRCT
431	INTRACEREBRAL HEMORRHAGE	43401	CRBL THRMBS W INFRCT
4320	NONTRAUM EXTRADURAL HEM	43411	CRBL EMBLSM W INFRCT
4321	SUBDURAL HEMORRHAGE	43491	CRBL ART OCL NOS W INFRCT
4329	INTRACRANIAL HEMORR NOS	4350	BASILAR ARTERY SYNDROM
43301	OCL HSLR ART W INFRCT	4351	VERTEBRAL ARTERY SYNDROM
43311	OCL CRTD ART W INFRCT	4353	VERTBROBASLR ARTERY SYND
43321	OCL VRTB ART W INFRCT	436	CVA
43331	OCL MLT BY ART W INFRCT	99702	IATROGEN CV INFARC/HMRHG
43381	OCL SPCF ART W INFRCT		

ICD-9-CM Coma diagnosis codes:

0700	HEPATITIS A WITH COMA	24930	SEC DM OT CMA NT ST UNCN
07020	HPT B ACTE COMA WO DLTA	24931	SEC DM OTH COMA UNCNTRLD
07021	HPT B ACTE COMA W DLTA	25020	DMII HPRSM NT ST UNCNTRL
07022	HPT B CHR N COMA WO DLTA	25021	DMI HPRSM NT ST UNCNTRLD
07023	HPT B CHR N COMA W DLTA	25022	DMII HPROSMLR UNCONTROLD
07041	HPT C ACUTE W HEPAT COMA	25023	DMI HPROSMLR UNCON
07042	HPT DLT WO B W HPT COMA	25030	DMII O CM NT ST UNCNTRLD
07043	HPT E W HEPAT COMA	25031	DMI O CM NT ST UNCNTRLD
07044	CHRN C HPT C W HEPAT COMA	25032	DMII OTH COMA UNCONTROLD
07049	OTH VRL HEPAT W HPT COMA	25033	DMI OTH COMA UNCONTROLD
0706	VIRAL HEPAT NOS W COMA	2510	HYPOGLYCEMIC COMA
07071	HPT C W HEPATIC COMA NOS	5722	HEPATIC ENCEPHALOPATHY
24920	SEC DM HPROS NT ST UNCNR	78001	COMA
24921	SEC DM HPROSMLR UNCNTRLD	78003	PERSISTANT VEGTV STATE

ICD-9-CM Cardiac arrest diagnosis code:

4275	CARDIAC ARREST
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ICD-9-CM Poisoning diagnosis codes¹:

96500	POISONING-OPIUM NOS	9670	POISONING-BARBITURATES
96501	POISONING-HEROIN	9671	POISONING-CHLORAL HYDRAT
96502	POISONING-METHADONE	9672	POISONING-PARALDEHYDE
96509	POISONING-OPIATES NEC	9673	POISONING-BROMINE COMPND
9656	<i>POISONING-ANTIRHEUMATICS</i>	9674	POISONING-METHAQUALONE
96561	POIS-PROPIONIC ACID DERV	9675	POISONING-GLUTETHIMIDE
96569	POIS-ANTIRHEUMATIC NEC	9676	POISON-MIX SEDATIVE NEC
9658	POIS-ANALGES/ANTIPYR NEC	9678	POIS-SEDATIVE/HYPNOT NEC
9660	POISON-OXAZOLIDINE DERIV	9679	POIS-SEDATIVE/HYPNOT NOS
9661	POISON-HYDANTOIN DERIVAT	9680	POIS-CNS MUSCLE DEPRESS
9662	POISONING-SUCCINIMIDES	9681	POISONING-HALOTHANE
9663	POIS-ANTICNVUL NEC/NOS	9682	POISON-GAS ANESTHET NEC
9664	POIS-ANTI-PARKINSON DRUG	9683	POISON-INTRAVERN ANESTHET

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9684	POIS-GEN ANESTH NEC/NOS	E8554	ACC POISN-ANTICHOLINERG
9685	SURFCE-TOPIC/INFILT ANES	E8555	ACC POISON-ADRENERGICS
9686	POIS-NERVE/PLEX-BLK ANES	E8556	ACC POISN-SYMPATHOLYTICS
9687	POISON-SPINAL ANESTHETIC	E8558	ACC POISON-CNS DRUG NEC
9689	POIS-LOCAL ANESTH NEC/NOS	E8559	ACC POISON-CNS DRUG NOS
9690	<i>POISONING-ANTIDEPRESSANT</i>	E856	ACC POISON-ANTIBIOTICS
96900	POISONING-ANTIDEPRESNT NOS	E857	ACC POIS-OTH ANTI-INFECT
96901	POIS MONOAMINE OXIDASE	E8580	ACC POISON-HORMONES
96902	POIS SEROTN/NOREPINEPHRN	E8581	ACC POISN-SYSTEMIC AGENT
96903	POIS SEROTININ REUPDATE	E8582	ACC POISON-BLOOD AGENT
96904	POIS TETRACYCLC ANDEPRES	E8583	ACC POISN-CARDIOVASC AGT
96905	POIS TRICYCLC ANTIDEPRES	E8584	ACC POISON-GI AGENT
96909	POIS ANTIDEPRESSANTS NEC	E8585	ACC POISN-METABOL AGNT
9691	POIS-PHENOTHIAZINE TRANQ	E8586	ACC POISN-MUSCL/RESP AGT
9692	POIS-BUTYROPHENONE TRANQ	E8587	ACC POISN-SKIN/EENT AGNT
9693	POISON-ANTIPSYCHOTIC NEC	E8588	ACC POISONING-DRUG NEC
9694	POIS-BENZODIAZEPINE TRAN	E8589	ACC POISONING-DRUG NOS
9695	POISON-TRANQUILIZER NEC	E8600	ACC POISN-ALCOHOL BEVRAG
9696	POISONING-HALLUCINOGENS	E8601	ACC POISON-ETHYL ALCOHOL
9697	<i>POISON-PSYCHOSTIMULANTS</i>	E8602	ACC POISN-METHYL ALCOHOL
96970	POIS PSYCHOSTIMULANT NOS	E8603	ACC POISN-ISOPROPYL ALC
96971	POISONING BY CAFFEINE	E8604	ACC POISON-FUSEL OIL
96972	POISONING BY AMPHETAMINE	E8608	ACC POISON-ALCOHOL NEC
96973	POISON BY METHYLPHENDATE	E8609	ACC POISON-ALCOHOL NOS
96979	POISON BY PSYCHOSTIM NEC	E8610	ACC POIS-SYNTH DETERGENT
9698	POISON-PSYCHOTROPIC NEC	E8611	ACC POISON-SOAP PRODUCTS
9699	POISON-PSYCHOTROPIC NOS	E8612	ACC POISON-POLISHES
9752	POIS-SKELET MUSCLE RELAX	E8613	ACC POISON-CLEANSER NEC
E8500	ACC POISON-HEROIN	E8614	ACC POISON-DISINFECTANTS
E8501	ACC POISON-METHADONE	E8615	ACC POISON-LEAD PAINTS
E8502	ACC POISON-OPIATES NEC	E8616	ACC POISON-PAINTS NEC
E8503	ACC POISON-SALICYLATES	E8619	ACC POISON-CLEANSER NOS
E8504	ACC POISON-AROM ANALGESC	E8620	ACC POISN-PETROL SOLVENT
E8505	ACC POISON-PYRAZOLE DERV	E8621	ACC POISN-PETROLEUM FUEL
E8506	ACC POISON-ANTIRHEUMATIC	E8622	ACC POIS-LUBRICATING OIL
E8507	ACC POISON-NONNARC ANALG	E8623	ACC POIS-PETROLEUM SOLID
E8508	ACC POISON-ANALGESIC NEC	E8624	ACC POISN-SOLVENTS NEC
E8509	ACC POISON-ANALGESIC NOS	E8629	ACC POISN-SOLVENT NOS
E851	ACC POISON-BARBITURATES	E8630	ACC POIS-CHLORINE PESTIC
E8520	ACC POISN-CHLORL HYDRATE	E8631	ACC POIS-PHOSPH PESTICID
E8521	ACC POISON-PARALDEHYDE	E8632	ACC POISON-CARBAMATES
E8522	ACC POISON-BROMINE CMPND	E8633	ACC POISN-MIXED PESTICID
E8523	ACC POISON-METHAQUALONE	E8634	ACC POISON-PESTICIDE NEC
E8524	ACC POISON-GLUTETHIMIDE	E8635	ACC POISON-HERBICIDES
E8525	ACC POISON-MIX SEDTV NEC	E8636	ACC POISON-FUNGICIDES
E8528	ACC POISON-SEDATIVES NEC	E8637	ACC POISON-RODENTICIDES
E8529	ACC POISON-SEDATIVES NOS	E8638	ACC POISON-FUMIGANTS
E8530	ACC POIS-PHENTHAZ TRANQ	E8639	ACC POIS-AGRCULT NEC/NOS
E8531	ACC POIS-BUTYRPHEN TRANQ	E8640	ACC POIS-CORROSIV AROMAT
E8532	ACC POISN-BENZDIAZ TRANQ	E8641	ACC POISON-ACIDS
E8538	ACC POISN-TRANQUILZR NEC	E8642	ACC POISN-CAUSTIC ALKALI
E8539	ACC POISN-TRANQUILZR NOS	E8643	ACC POISON-CAUSTIC NEC
E8540	ACC POISON-ANTIDEPRESNT	E8644	ACC POISON-CAUSTIC NOS
E8541	ACC POISON-HALLUCINOGENS	E8650	ACC POISON-MEAT
E8542	ACC POISN-PSYCHSTIMULANT	E8651	ACC POISON-SHELLFISH
E8543	ACC POISON-CNS STIMULANT	E8652	ACC POISON-FISH NEC
E8548	ACC POISN PSYCHOTROP NEC	E8653	ACC POISON-BERRIES/SEEDS
E8550	ACC POISN-ANTICONVULSANT	E8654	ACC POISON-PLANTS NEC
E8551	ACC POISN-CNS DEPRES NEC	E8655	ACC POISON-MUSHROOMS
E8552	ACC POISN-LOCAL ANESTHET	E8658	ACC POISON-FOOD NEC
E8553	ACC POISON-CHOLINERGICS	E8659	ACC POISN-FOOD/PLANT NOS

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E8660	ACC POISONING-LEAD	E9518	POISON-UTILITY GAS NEC
E8661	ACC POISONING-MERCURY	E9520	POISON-EXHAUST GAS
E8662	ACC POISONING-ANTIMONY	E9521	POISON-CO NEC
E8663	ACC POISONING-ARSENIC	E9528	POISON-GAS/VAPOR NEC
E8664	ACC POISON-METALS NEC	E9529	POISON-GAS/VAPOR NOS
E8665	ACC POISON-PLANT FOOD	E9620	ASSAULT-POIS W MEDIC AGT
E8666	ACC POISON-GLUES	E9621	ASSAULT-POIS W SOLID/LIQ
E8667	ACC POISON-COSMETICS	E9622	ASSAULT-POIS W GAS/VAPOR
E8668	ACC POIS-SOLID/LIQ NEC	E9629	ASSAULT-POISONING NOS
E8669	ACC POIS-SOLID/LIQ NOS	E9800	UNDETERM POIS-ANALGESICS
E867	ACC POISON-PIPED GAS	E9801	UNDETERM POIS-BARBITURAT
E8680	ACC POIS-LIQ PETROL GAS	E9802	UNDET POIS-SED/HYPN NEC
E8681	ACC POIS-UTL GAS NEC/NOS	E9803	UNDETERM POIS-PSYCHOTROP
E8682	ACC POISON-EXHAUST GAS	E9804	UNDET POIS-MED AGNT NEC
E8683	ACC POIS-CO/DOMESTC FUEL	E9805	UNDET POIS-MED AGNT NOS
E8688	ACC POIS-CARBN MONOX NEC	E9806	UNDET POIS-CORROS/CAUST
E8689	ACC POIS-CARBN MONOX NOS	E9807	UNDET POIS-AGRICULT AGNT
E8690	ACC POIS-NITROGEN OXIDE	E9808	UNDETER POIS-ARSENIC
E8691	ACC POISN-SULFUR DIOXIDE	E9809	UNDETER POIS-SOL/LIQ NEC
E8692	ACC POISON-FREON	E9810	UNDETER POIS-PIPED GAS
E8693	ACC POISON-TEAR GAS	E9811	UNDET POIS-CONTAINER GAS
E8694	SCNDHND TBCCO SMOKE	E9818	UNDET POIS-UTIL GAS NEC
E8698	ACC POISON-GAS/VAPOR NEC	E9820	UNDETER POIS-EXHAUST GAS
E8699	ACC POISON-GAS/VAPOR NOS	E9821	UNDETERMIN POISON-CO NEC
E9510	POISON-PIPED GAS	E9828	UNDET POIS-GAS/VAPOR NEC
E9511	POISON-GAS IN CONTAINER	E9829	UNDET POIS-GAS/VAPOR NOS

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ICD-9-CM Delirium and other psychoses diagnosis codes¹:

2900	SENILE DEMENTIA UNCOMP	29284	DRUG-INDUCED MOOD DISORD
29010	PRESENILE DEMENTIA	29285	DRUG INDUCED SLEEP DISOR
29011	PRESENILE DELIRIUM	29289	DRUG MENTAL DISORDER NEC
29012	PRESENILE DELUSION	2929	DRUG MENTAL DISORDER NOS
29013	PRESENILE DEPRESSION	2930	DELIRIUM D/T OTHER COND
29020	SENILE DELUSION	2931	SUBACUTE DELIRIUM
29021	SENILE DEPRESSIVE	29381	PSY DIS W DELUS OTH DIS
2903	SENILE DELIRIUM	29382	PSY DIS W HALLUC OTH DIS
29040	VASCULAR DEMENTIA, UNCOMP	29383	MOOD DISORDER OTHER DIS
29041	VASC DEMENTIA W DELIRIUM	29384	ANZIETY DISORDER OTH DIS
29042	VASC DEMENTIA W DELUSION	29389	TRANSIENT MENTAL DIS NEC
29043	VASC DEMENTIA W DEPRESSN	2939	TRANSIENT MENTAL DIS NOS
2908	SENILE PSYCHOSIS NEC	2940	AMNESTIC DISORD OTH DIS
2909	SENILE PSYCHOT COND NOS	2941	<i>DEMENTIA IN OTH DISEASES</i>
2910	DELIRIUM TREMENS	29410	DEMENTIA W/O BEHAV DIST
2911	ALCOHOL AMNESTIC DISORDR	29411	DEMENTIA W BEHAVIOR DIST
2912	ALCOHOL PERSIST DEMENTIA	29420	DEMEN NOS W/O BEHV DSTRB
2913	ALCOH PSYCH DIS W HALLUCIN	29421	DEMEN NOS W BEHAV DISTRB
2914	PATHOLOGIC ALCOHOL INTOX	2948	MENTAL DISOR NEC OTH DIS
2915	ALCOH PSYCH DIS W DELUS	2949	MENTAL DISOR NOS OTH DIS
2918	<i>ALCOHOLIC PSYCHOSIS NEC</i>	29500	SIMPL SCHIZOPHREN-UNSPEC
29181	ALCOHOL WITHDRAWAL	29501	SIMPL SCHIZOPHREN-SUBCHR
29189	ALCOH MENTAL DISOR NEC	29502	SIMPLE SCHIZOPHREN-CHR
2919	ALCOHOL MENTAL DISOR NOS	29503	SIMP SCHIZ-SUBCHR/EXACER
2920	DRUG WITHDRAWAL	29504	SIMPL SCHIZO-CHR/EXACERB
29211	DRUG PSYCH DISOR W DELUS	29505	SIMPL SCHIZOPHREN-REMISS
29212	DRUG PSY DIS W HALLUCIN	29510	HEBEPHRENIA-UNSPEC
2922	PATHOLOGIC DRUG INTOX	29511	HEBEPHRENIA-SUBCHRONIC
29281	DRUG-INDUCED DELIRIUM	29512	HEBEPHRENIA-CHRONIC
29282	DRUG-INDUCED DEMENTIA	29513	HEBEPHREN-SUBCHR/EXACERB
29283	DRUG PERSIST AMNESTC DIS	29514	HEBEPHRENIA-CHR/EXACERB

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29515	HEBEPHRENIA-REMISSION	29592	SCHIZOPHRENIA NOS-CHR
29520	CATATONIA-UNSPEC	29593	SCHIZO NOS-SUBCHR/EXACER
29521	CATATONIA-SUBCHRONIC	29594	SCHIZO NOS-CHR/EXACERB
29522	CATATONIA-CHRONIC	29595	SCHIZOPHRENIA NOS-REMISS
29523	CATATONIA-SUBCHR/EXACERB	29630	RECURR DEPR PSYCHOS-UNSP
29524	CATATONIA-CHR/EXACERB	29631	RECURR DEPR PSYCHOS-MILD
29525	CATATONIA-REMISSION	29632	RECURR DEPR PSYCHOS-MOD
29530	PARANOID SCHIZO-UNSPEC	29633	RECUR DEPR PSYCH-SEVERE
29531	PARANOID SCHIZO-SUBCHR	29634	REC DEPR PSYCH-PSYCHOTIC
29532	PARANOID SCHIZO-CHRONIC	29635	RECUR DEPR PSYC-PART REM
29533	PARAN SCHIZO-SUBCHR/EXAC	29636	RECUR DEPR PSYC-FULL REM
29534	PARAN SCHIZO-CHR/EXACERB	29640	BIPOL I CRRNT MANIC NOS
29535	PARANOID SCHIZO-REMISS	29641	BIPOL I CURRNT MANIC-MILD
29540	SCHIZOPHRENIFORM DIS NOS	29642	BIPOL I CURRNT MANIC-MOD
29541	SCHIZOPHRENIC DIS-SUBCHR	29643	BIPOL I MANC-SEV W/O PSY
29542	SCHIZOPHREN DIS-CHRONIC	29644	BIPOL I MANIC-SEV W PSY
29543	SCHOZO DIS SUBCHR/EXACER	29645	BIPOL I CUR MAN PART REM
29544	SCHIZOPHR DIS-CHR/EXACER	29646	BIPOL I CUR MAN FULL REM
29545	SCHIZOPHRENIC DIS-REMISS	2967	BIPOLOR I CURRENT NOS
29550	LATENT SCHIZOPHREN-UNSP	29680	BIPOLOR DISORDER NOS
29551	LAT SCHIZOPHREN-SUBCHR	29681	ATYPICAL MANIC DISPORDER
29552	LATENT SCHIZOPHREN-CHR	29682	ATYPICAL DEPRESSIVE DIS
29553	LAT SCHIZO-SUBCHR/EXACER	29689	BIPOLAR DISORDER NEC
29554	LATENT SCHIZO-CHR/EXACER	29690	EPISODIC MOOD DISORD NOS
29555	LAT SCHIZOPHREN-REMISS	2970	PARANOID STATE, SIMPLE
29560	SCHIZOPHR DIS RESOD NOS	2971	DELUSIONAL DISORDER
29561	SCHIZOPH DIS RESID-SUBCH	2972	PARAPHRENIA
29562	SCHIZOPHR DIS RESID-CHR	2973	SHARED PSYCHOTIC DISORD
29563	SCHOZO RESID SUBCHR/EXAC	2978	PARANOID STATES NEC
29564	SCHIZOPH RESID-CHRO/EXAC	2979	PARANOID STATE NOS
29565	SCHIZOPH DIS RESID-REMISS	2980	REACT DEPRESS PSYCHOSIS
29570	SCHIZOAFFECTIVE DIS NOS	2981	EXCITATIV TYPE PSYCHOSIS
29571	SCHIZOAFFECTV DIS-SUBCHR	2982	REACTIVE CONFUSION
29572	SCHIZOAFFECTIV DISE-CHR	2983	ACUTE PARANOID REACTION
29573	SCHOZOADD DIS-SUBCH/EXAC	2984	PSYCHOGEN PARANOID PSYCH
29574	SCHIZOAFFTV DIS-CHR/EXAC	2988	REACT PSYCHOSIS NEC/NOS
29575	SCHIZOAFFECTV DIS-REMISS	2989	PSYCHOSIS NOS
29580	SCHIZOPHRENIA NEC-UNSPEC	29900	AUTISTIC DISORD-CURRENT
29581	SCHIZOPHRENIA NEC-SUBCHR	29901	AUTISTIC DISORD-RESIDUAL
29582	SCHIZOPHRENIA NEC-CHR	29910	CHILDHD DISINTEGR-ACTIVE
29583	SCHIZO NEC-SUBCHR/EXACER	29911	CHILDHD DISINTEGR-RESID
29584	SCHIZO NEC-CHR/EXACERB	29980	PERVASV DEV DIS-CUR NEC
29585	SCHIZOPHRENIA NEC-REMISS	29981	ERVASV DEV DIS-RES NEC
29590	SCHIZOPHRENIA NOS-UNSPEC	29990	PERVASV DEV DIS-CUR NOS
29591	SCHIZOPHRENIA NOS-SUBCHR	29991	PERVASV DEV DIS-RES NOS

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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	1971	SEC MAL NEO MEDIASTINUM
1961	MAL NEO LYMPH-INTRATHOR	1972	SECOND MALIG NEO PLEURA
1962	MAL NEO LYMPH INTRA-ABD	1973	SEC MALIG NEO RESP NEC
1963	MAL NEO LYMPH-AXILLA/ARM	1974	SEC MALIG NEO SM BOWEL
1965	MAL NEO LYMPH-INGUIN/LEG	1975	SEC MALIG NEO LG BOWEL
1966	MAL NEO LYMPH-INTRAPELV	1976	SEC MAL NEO PERITONEUM
1968	MAL NEO LYMPH NODE-MULT	1977	SECOND MALIG NEO LIVER
1969	MAL NEO LYMPH NODE NOS	1978	SEC MAL NEO GI NEC
1970	SECONDARY MALIG NEO LUNG	1980	SECOND MALIG NEO KIDNEY

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1981	SEC MALIG NEO URIN NEC	19889	SECONDARY MALIG NEO NEC
1982	SECONDARY MALIG NEO SKIN	1990	MALIG NEO DISSEMINATED
1983	SEC MAL NEO BRAIN/SPINE	20970	SEC NEUROENDO TUMOR NOS
1984	SEC MALIG NEO NERVE NEC	20971	SEC NEUROEND TU DIST LYM
1985	SECONDARY MALIG NEO BONE	20972	SEC NEUROEND TUMOR-LIVER
1986	SECOND MALIG NEO OVARY	20973	SEC NEUROENDO RUPOR-LIVER
1987	SECOND MALIG NEO ADRENAL	20974	SEC NEUROENDO RUMOR-BONE
19881	SECOND MALIG NEO BREAST	20975	SECONDARY MERKEL CELL CA
19882	SECOND MALIG NEO GENITAL	20979	SEC NEUROEND TU OTH SITE

ICD-9-CM Lymphoid malignancy diagnosis codes¹:

20000	RETCLSRC UNSP XTRNDL ORG	20115	HODGKINS GRANULOM INGUIN
20001	RETICULOSARCOMA HEAD	20116	HODGKINS GRANULOM PELVIC
20002	RETICULOSARCOMA THORAX	20117	HODGKINS GRANULOM SPLEEN
20003	RETICULOSARCOMA ABDOM	20118	HODGKINS GRANULOM MULT
20004	RETICULOSARCOMA AXILLA	20120	HDGK SRC UNSP XTRNDL ORG
20005	RETICULOSARCOMA INGUIN	20121	HODGKINS SARCOMA HEAD
20006	RETICULOSARCOMA PELVIC	20122	HODGKINS SARCOMA THORAX
20007	RETICULOSARCOMA SPLEEN	20123	HODGKINS SARCOMA ABDOM
20008	RETICULOSARCOMA MULT	20124	HODGKINS SARCOMA AXILLA
20010	LYMPHSRC UNSP XTRNDL ORG	20125	HODGKINS SARCOMA INGUIN
20011	LYMPHOSARCOMA HEAD	20126	HODGKINS SARCOMA PELVIC
20012	LYMPHOSARCOMA THORAX	20127	HODGKINS SARCOMA SPLEEN
20013	LYMPHOSARCOMA ABDOM	20128	HODGKINS SARCOMA MULT
20014	LYMPHOSARCOMA AXILLA	20140	LYM-HST UNSP XTRNDL ORGN
20015	LYMPHOSARCOMA INGUIN	20141	HODG LYMPH-HISTIO HEAD
20016	LYMPHOSARCOMA PELVIC	20142	HODG LYMPH-HISTIO THORAX
20017	LYMPHOSARCOMA SPLEEN	20143	HODG LYMPH-HISTIO ABDOM
20018	LYMPHOSARCOMA MULT	20144	HODG LYMPH-HISTIO AXILLA
20020	BRKT TMR UNSP XTRNDL ORG	20145	HODG LYMPH-HISTIO INGUIN
20021	BURKITTS TUMOR HEAD	20146	HODG LYMPH-HISTIO PELVIC
20022	BURKITTS TUMOR THORAX	20147	HODG LYMPH-HISTIO SPLEEN
20023	BURKITTS TUMOR ABDOM	20148	HODG LYMPH-HISTIO MULT
20024	BURKITTS TUMOR AXILLA	20150	NDR SCLR UNSP XTRNDL ORG
20025	BURKITTS TUMOR INGUIN	20151	HODG NODUL SCLERO HEAD
20026	BURKITTS TUMOR PELVIC	20152	HODG NODUL SCLERO THORAX
20027	BURKITTS TUMOR SPLEEN	20153	HODG NODUL SCLERO ABDOM
20028	BURKITTS TUMOR MULT	20154	HODG NODUL SCLERO AXILLA
20080	OTH VARN UNSP XTRNDL ORG	20155	HODG NODUL SCLERO INGUIN
20081	MIXED LYMPHOSARC HEAD	20156	HODG NODUL SCLERO PELVIC
20082	MIXED LYMPHOSARC THORAX	20157	HODG NODUL SCLERO SPLEEN
20083	MIXED LYMPHOSARC ABDOM	20158	HODG NODUL SCLERO MULT
20084	MIXED LYMPHOSARC AXILLA	20160	MXD CELR UNSP XTRNDL ORG
20085	MIXED LYMPHOSARC INGUIN	20161	HODGKINS MIX CELL HEAD
20086	MIXED LYMPHOSARC PELVIC	20162	HODGKINS MIX CELL THORAX
20087	MIXED LYMPHOSARC SPLEEN	20163	HODGKINS MIX CELL ABDOM
20088	MIXED LYMPHOSARC MULT	20164	HODGKINS MIX CELL AXILLA
20100	HDGK PRG UNSP XTRNDL ORG	20165	HODGKINS MIX CELL INGUIN
20101	HODGKINS PARAGRAN HEAD	20166	HODGKINS MIX CELL PELVIC
20102	HODGKINS PARAGRAN THORAX	20167	HODGKINS MIX CELL SPLEEN
20103	HODGKINS PARAGRAN ABDOM	20168	HODGKINS MIX CELL MULT
20104	HODGKINS PARAGRAN AXILLA	20170	LYM DPLT UNSP XTRNDL ORG
20105	HODGKINS PARAGRAN INGUIN	20171	HODG LYMPH DEPLET HEAD
20106	HODGKINS PARAGRAN PELVIC	20172	HODG LYMPH DEPLET THORAX
20107	HODGKINS PARAGRAN SPLEEN	20173	HODG LYMPH DEPLET ABDOM
20108	HODGKINS PARAGRAN MULT	20174	HODG LYMPH DEPLET AXILLA
20110	HDGK GRN UNSP XTRNDL ORG	20175	HODG LYMPH DEPLET INGUIN
20111	HODGKINS GRANULOM HEAD	20176	HODG LYMPH DEPLET PELVIC
20112	HODGKINS GRANULOM THORAX	20177	HODG LYMPH DEPLET SPLEEN
20113	HODGKINS GRANULOM ABDOM	20178	HODG LYMPH DEPLET MULT
20114	HODGKINS GRANULOM AXILLA	20190	HDGK DIS UNSP XTRNDL ORG

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20191	HODGKINS DIS NOS HEAD	20257	LETTERER-SIWE DIS SPLEEN
20192	HODGKINS DIS NOS THORAX	20258	LETTERER-SIWE DIS MULT
20193	HODGKINS DIS NOS ABDOM	20260	MLG MAST UNSP XTRNDL ORG
20194	HODGKINS DIS NOS AXILLA	20261	MAL MASTOCYTOSIS HEAD
20195	HODGKINS DIS NOS INGUIN	20262	MAL MASTOCYTOSIS THORAX
20196	HODGKINS DIS NOS PELVIC	20263	MAL MASTOCYTOSIS ABDOM
20197	HODGKINS DIS NOS SPLEEN	20264	MAL MASTOCYTOSIS AXILLA
20198	HODGKINS DIS NOS MULT	20265	MAL MASTOCYTOSIS INGUIN
202	<i>OTH MAL NEO LYMPH/HISTIO</i>	20266	MAL MASTOCYTOSIS PELVIC
20200	NDLR LYM UNSP XTRNDL ORG	20267	MAL MASTOCYTOSIS SPLEEN
20201	NODULAR LYMPHOMA HEAD	20268	MAL MASTOCYTOSIS MULT
20202	NODULAR LYMPHOMA THORAX	20280	OTH LYMP UNSP XTRNDL ORG
20203	NODULAR LYMPHOMA ABDOM	20281	LYMPHOMAS NEC HEAD
20204	NODULAR LYMPHOMA AXILLA	20282	LYMPHOMAS NEC THORAX
20205	NODULAR LYMPHOMA INGUIN	20283	LYMPHOMAS NEC ABDOM
20206	NODULAR LYMPHOMA PELVIC	20284	LYMPHOMAS NEC AXILLA
20207	NODULAR LYMPHOMA SPLEEN	20285	LYMPHOMAS NEC INGUIN
20208	NODULAR LYMPHOMA MULT	20286	LYMPHOMAS NEC PELVIC
20210	MYCS FNG UNSP XTRNDL ORG	20287	LYMPHOMAS NEC SPLEEN
20211	MYCOSIS FUNGOIDES HEAD	20288	LYMPHOMAS NEC MULT
20212	MYCOSIS FUNGOIDES THORAX	20290	UNSP LYM UNSP XTRNDL ORG
20213	MYCOSIS FUNGOIDES ABDOM	20291	LYMPHOID MAL NEC HEAD
20214	MYCOSIS FUNGOIDES AXILLA	20292	LYMPHOID MAL NEC THORAX
20215	MYCOSIS FUNGOIDES INGUIN	20293	LYMPHOID MAL NEC ABDOM
20216	MYCOSIS FUNGOIDES PELVIC	20294	LYMPHOID MAL NEC AXILLA
20217	MYCOSIS FUNGOIDES SPLEEN	20295	LYMPHOID MAL NEC INGUIN
20218	MYCOSIS FUNGOIDES MULT	20296	LYMPHOID MAL NEC PELVIC
20220	SZRY DIS UNSP XTRNDL ORG	20297	LYMPHOID MAL NEC SPLEEN
20221	SEZARY'S DISEASE HEAD	20298	LYMPHOID MAL NEC MULT
20222	SEZARY'S DISEASE THORAX	2030	<i>MULTIPLE MYELOMA</i>
20223	SEZARY'S DISEASE ABDOM	20300	MULT MYE W/O ACHV RMSON
20224	SEZARY'S DISEASE AXILLA	20301	MULT MYELM W REMISSION
20225	SEZARY'S DISEASE INGUIN	20302	MULT MYELOMA IN RELAPSE
20226	SEZARY'S DISEASE PELVIC	2031	<i>PLASMA CELL LEUKEMIA</i>
20227	SEZARY'S DISEASE SPLEEN	20310	PLS CL LEU W/O ACHV RMSN
20228	SEZARY'S DISEASE MULT	20311	PLSM CELL LEUK W RMSON
20230	MLG HIST UNSP XTRNDL ORG	20312	PLSM CEL LEUK IN RELAPSE
20231	MAL HISTIOCYTOSIS HEAD	2038	<i>IMMUNOPROLIFERAT NEO NEC</i>
20232	MAL HISTIOCYTOSIS THORAX	20380	OTH IMNO NPL WO ACH RMSN
20233	MAL HISTIOCYTOSIS ABDOM	20381	OTH IMNPRFL NPL W RMSN
20234	MAL HISTIOCYTOSIS AXILLA	20382	OTH IMNPRFL NEO-RELAPSE
20235	MAL HISTIOCYTOSIS INGUIN	2040	<i>ACUTE LYMPHOID LEUKEMIA</i>
20236	MAL HISTIOCYTOSIS PELVIC	20400	ACT LYM LEUK WO RMSION
20237	MAL HISTIOCYTOSIS SPLEEN	20401	ACT LYM LEUK W RMSION
20238	MAL HISTIOCYTOSIS MULT	20402	ACT LYMP LEUK IN RELAPSE
20240	LK RTCTL UNSP XTRNDL ORG	2041	<i>CHR LYMPHOID LEUKEMIA</i>
20241	HAIRY-CELL LEUKEM HEAD	20410	CHR LYM LEUK WO ACH RMSN
20242	HAIRY-CELL LEUKEM THORAX	20411	CHR LYM LEUK W RMSION
20243	HAIRY-CELL LEUKEM ABDOM	20412	CHR LYMP LEUK IN RELAPSE
20244	HAIRY-CELL LEUKEM AXILLA	2042	<i>SUBAC LYMPHOID LEUKEMIA</i>
20245	HAIRY-CELL LEUKEM INGUIN	20420	SBAC LYM LEUK WO ACHV RMSN
20246	HAIRY-CELL LEUKEM PELVIC	20421	SBAC LYM LEUK W RMSION
20247	HAIRY-CELL LEUKEM SPLEEN	20422	SBAC LYM LEUK IN RELAPSE
20248	HAIRY-CELL LEUKEM MULT	2048	<i>LYMPHOID LEUKEMIA NEC</i>
20250	LTR-SIWE UNSP XTRNDL ORG	20480	OTH LYM LEUK WO ACHV RMSN
20251	LETTERER-SIWE DIS HEAD	20481	OTH LYM LEUK W RMSION
20252	LETTERER-SIWE DIS THORAX	20482	OTH LYM LEUK IN RELAPSE
20253	LETTERER-SIWE DIS ABDOM	2049	<i>LYMPHOID LEUKEMIA NOS</i>
20254	LETTERER-SIWE DIS AXILLA	20490	UNS LYM LEU WO ACH RMSN
20255	LETTERER-SIWE DIS INGUIN	20491	UNS LYM LEUK W RMSION
20256	LETTERER-SIWE DIS PELVIC	20492	LYMP LEUK NOS RELAPSE

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2050	<i>ACUTE MYELOID LEUKEMIA</i>	2069	<i>MONOCYTIC LEUKEMIA NOS</i>
20500	AC MYL LEUK WO ACHV RMSN	20690	UNS MNO LEU WO ACH RMSN
20501	ACT MYL LEUK W RMSION	20691	UNS MONO LEUK W RMSION
20502	ACT MYEL LEUK IN RELAPSE	20692	MONO LEUK NOS RELAPSE
2051	<i>CHRONIC MYELOID LEUKEMIA</i>	2070	<i>ACUTE ERYTHREMIA</i>
20510	CHR MYL LEUK WO ACHV RMSN	20700	ACT ERTH/ERLK WO ACH RMSN
20511	CHR MYL LEUK W RMSION	20701	ACT ERTH/ERYLK W RMSION
20512	CHR MYEL LEUK IN RELAPSE	20702	AC ERTH/ERYLK IN RELAPSE
2052	<i>SUBACUT MYELOID LEUKEMIA</i>	2071	<i>CHRONIC ERYTHREMIA</i>
20520	SBAC MYL LEU WO ACH RMSN	20710	CHR ERYTHRM W/O ACH REMSN
20521	SBAC MYL LEUK W RMSION	20711	CHR ERYTHRM W REMISION
20522	SBAC MYL LEUK IN RELAPSE	20712	CHR ERYTHRMIA IN RELAPSE
2053	<i>MYELOID SARCOMA</i>	2072	<i>MEGAKARYOCYTIC LEUKEMIA</i>
20530	MYL SARCOMA WO ACHV RMSN	20720	MGKRCYT LEUK WO ACH RMSN
20531	MYL SRCOMA W RMSION	20721	MGKRYCYT LEUK W RMSION
20532	MYEL SARCOMA IN RELAPSE	20722	MGKRYCYT LEUK IN RELAPSE
2058	<i>MYELOID LEUKEMIA NEC</i>	2078	<i>SPECIFIED LEUKEMIA NEC</i>
20580	OTH MYL LEUK WO ACHV RMSN	20780	OTH LEUK W/O ACHV REMSION
20581	OTH MYL LEUK W RMSION	20781	OTH SPF LEUK W REMSION
20582	OTH MYEL LEUK IN RELAPSE	20782	OTH SPF LEUK IN RELAPSE
2059	<i>MYELOID LEUKEMIA NOS</i>	2080	<i>ACT LEUK UNS CL W/O RMSN</i>
20590	UNS MYL LEU WO ACH RMSN	20800	ACT LEU UN CL WO ACH RMSN
20591	UNS MYL LEUK W RMSION	20801	ACT LEUK UNS CL W RMSION
20592	MYEL LEUK NOS IN RELAPSE	20802	AC LEUK UNS CL RELAPSE
2060	<i>ACUTE MONOCYTIC LEUKEMIA</i>	2081	<i>CHRONIC LEUKEMIA NOS</i>
20600	ACT MONO LEU WO ACHV RMSN	20810	CH LEU UN CL WO ACH RMSN
20601	ACT MONO LEUK W RMSION	20811	CHR LEUK UNS CL W RMSION
20602	ACT MONO LEUK IN RELAPSE	20812	CH LEU UNS CL IN RELAPSE
2061	<i>CHR MONOCYTIC LEUKEMIA</i>	2082	<i>SUBACUTE LEUKEMIA NOS</i>
20610	CHR MONO LEU WO ACHV RMSN	20820	SBC LEU UN CL WO AH RMSN
20611	CHR MONO LEUK W RMSION	20821	SBAC LEUK UNS CL W RMSION
20612	CHR MONO LEUK IN RELAPSE	20822	SBAC LEU UNS CL-RELAPSE
2062	<i>SUBAC MONOCYTIC LEUKEMIA</i>	2088	<i>LEUKEMIA-UNSPEC CELL NEC</i>
20620	SBAC MNO LEU WO ACH RMSN	20880	OT LEU UN CL WO ACH RMSN
20621	SBAC MONO LEUK W RMSION	20881	OTH LEUK UNS CL W RMSION
20622	SBAC MONO LEU IN RELAPSE	20882	OTH LEUK UNS CL-RELAPSE
2068	<i>MONOCYTIC LEUKEMIA NEC</i>	2089	<i>LEUKEMIA-UNSPEC CELL NOS</i>
20680	OT MONO LEU WO ACHV RMSN	20890	LEUK NOS W/O ACHV RMSN
20681	OTH MONO LEUK W RMSION	20891	LEUKEMIA NOS W REMISSION
20682	OTH MONO LEUK IN RELAPSE	20892	LEUKEMIA NOS IN RELAPSE

¹ The procedure or diagnosis codes are continuously updated. The current list of ICD-9-CM codes is valid for October 2012 through September 2013. Italicized codes are not active in Fiscal Year 2013.

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