

# Craniotomy Mortality Rate

## Inpatient Quality Indicators #13

### Technical Specifications

#### Provider-Level Indicator

#### Procedure Mortality Indicator

#### AHRQ Quality Indicators, Version 4.4, March 2012

### Numerator

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

### Denominator

All discharges, age 18 years or older, with DRG or MS-DRG code for craniotomy.

#### Craniotomy DRG codes:

001	CRANIOTOMY AGE >17 W CC	530	VENTRICULAR SHUNT PROCEDURES W/O CC
002	CRANIOTOMY AGE >17 W/O CC		
528	INTRACRANIAL VASCULAR PROC W PDX HEMORRHAGE	543	CRANIOTOMY W MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PRINCIPAL DIAGNOSIS
529	VENTRICULAR SHUNT PROCEDURES W CC		

#### Craniotomy MS-DRG codes:

020	INTRACRANIAL VASCULAR PROCEDURES WITH PDX HEMORRHAGE W MCC	026	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W CC
021	INTRACRANIAL VASCULAR PROCEDURES WITH PDX HEMORRHAGE W CC	027	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W/O CC/MCC
022	INTRACRANIAL VASCULAR PROCEDURES WITH PDX HEMORRHAGE W/O CC/MCC	031	VENTRICULAR SHUNT PROCEDURES WITH MCC
023	CRANIO W MAJOR DEV IMPL/ACUTE COMPLEX CNS PDX W MCC OR CHEMO IMPLANT	032	VENTRICULAR SHUNT PROCEDURES W CC
024	CRANIO W MAJOR DEV IML/ACUTE COMPLEX CNS PDX W/O CC/MCC	033	VENTRICULAR SHUNT PROCEDURES W/O CC/MCC
025	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W MCC		

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#### Exclude cases:

- with a principal diagnosis of head trauma
- transferring to another short-term hospital (DISP=2)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

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Craniotomy Mortality Rate  
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**ICD-9-CM Head Trauma diagnosis codes:**

80000	CLOSED SKULL VAULT FX	80065	OPN SKL VLT FX-DEEP COMA
80001	CL SKULL VLT FX W/O COMA	80066	OPN SKUL VLT FX-COMA NOS
80002	CL SKULL VLT FX-BRF COMA	80069	OP SKL VLT FX-CONCUS NOS
80003	CL SKULL VLT FX-MOD COMA	80070	OPN SKL VLT FX/MENIN HEM
80004	CL SKL VLT FX-PROLN COMA	80071	OPN SKUL VLT FX W/O COMA
80005	CL SKUL VLT FX-DEEP COMA	80072	OPN SKUL VLT FX-BRF COMA
80006	CL SKULL VLT FX-COMA NOS	80073	OPN SKUL VLT FX-MOD COMA
80009	CL SKL VLT FX-CONCUS NOS	80074	OPN SKL VLT FX-PROLN COM
80010	CL SKL VLT FX/CEREBR LAC	80075	OPN SKL VLT FX-DEEP COMA
80011	CL SKULL VLT FX W/O COMA	80076	OPN SKUL VLT FX-COMA NOS
80012	CL SKULL VLT FX-BRF COMA	80079	OP SKL VLT FX-CONCUS NOS
80013	CL SKULL VLT FX-MOD COMA	80080	OPN SKULL VLT FX/HEM NEC
80014	CL SKL VLT FX-PROLN COMA	80081	OPN SKUL VLT FX W/O COMA
80015	CL SKUL VLT FX-DEEP COMA	80082	OPN SKUL VLT FX-BRF COMA
80016	CL SKULL VLT FX-COMA NOS	80083	OPN SKUL VLT FX-MOD COMA
80019	CL SKL VLT FX-CONCUS NOS	80084	OPN SKL VLT FX-PROLN COM
80020	CL SKL VLT FX/MENING HEM	80085	OPN SKL VLT FX-DEEP COMA
80021	CL SKULL VLT FX W/O COMA	80086	OPN SKUL VLT FX-COMA NOS
80022	CL SKULL VLT FX-BRF COMA	80089	OP SKL VLT FX-CONCUS NOS
80023	CL SKULL VLT FX-MOD COMA	80090	OP SKL VLT FX/BR INJ NEC
80024	CL SKL VLT FX-PROLN COMA	80091	OPN SKUL VLT FX W/O COMA
80025	CL SKUL VLT FX-DEEP COMA	80092	OPN SKUL VLT FX-BRF COMA
80026	CL SKULL VLT FX-COMA NOS	80093	OPN SKUL VLT FX-MOD COMA
80029	CL SKL VLT FX-CONCUS NOS	80094	OPN SKL VLT FX-PROLN COM
80030	CL SKULL VLT FX/HEM NEC	80095	OP SKUL VLT FX-DEEP COMA
80031	CL SKULL VLT FX W/O COMA	80096	OPN SKUL VLT FX-COMA NOS
80032	CL SKULL VLT FX-BRF COMA	80099	OP SKL VLT FX-CONCUS NOS
80033	CL SKULL VLT FX-MOD COMA	80100	CLOS SKULL BASE FRACTURE
80034	CL SKL VLT FX-PROLN COMA	80101	CL SKUL BASE FX W/O COMA
80035	CL SKUL VLT FX-DEEP COMA	80102	CL SKUL BASE FX-BRF COMA
80036	CL SKULL VLT FX-COMA NOS	80103	CL SKUL BASE FX-MOD COMA
80039	CL SKL VLT FX-CONCUS NOS	80104	CL SKL BASE FX-PROL COMA
80040	CL SKL VLT FX/BR INJ NEC	80105	CL SKL BASE FX-DEEP COMA
80041	CL SKULL VLT FX W/O COMA	80106	CL SKUL BASE FX-COMA NOS
80042	CL SKULL VLT FX-BRF COMA	80109	CL SKULL BASE FX-CONCUSS
80043	CL SKULL VLT FX-MOD COMA	80110	CL SKL BASE FX/CEREB LAC
80044	CL SKL VLT FX-PROLN COMA	80111	CL SKUL BASE FX W/O COMA
80045	CL SKUL VLT FX-DEEP COMA	80112	CL SKUL BASE FX-BRF COMA
80046	CL SKULL VLT FX-COMA NOS	80113	CL SKUL BASE FX-MOD COMA
80049	CL SKL VLT FX-CONCUS NOS	80114	CL SKL BASE FX-PROL COMA
80050	OPN SKULL VAULT FRACTURE	80115	CL SKL BASE FX-DEEP COMA
80051	OPN SKUL VLT FX W/O COMA	80116	CL SKUL BASE FX-COMA NOS
80052	OPN SKUL VLT FX-BRF COMA	80119	CL SKULL BASE FX-CONCUSS
80053	OPN SKUL VLT FX-MOD COMA	80120	CL SKL BASE FX/MENIN HEM
80054	OPN SKL VLT FX-PROLN COM	80121	CL SKUL BASE FX W/O COMA
80055	OPN SKL VLT FX-DEEP COMA	80122	CL SKUL BASE FX/BRF COMA
80056	OPN SKUL VLT FX-COMA NOS	80123	CL SKUL BASE FX-MOD COMA
80059	OP SKL VLT FX-CONCUS NOS	80124	CL SKL BASE FX-PROL COMA
80060	OPN SKL VLT FX/CEREB LAC	80125	CL SKL BASE FX-DEEP COMA
80061	OPN SKUL VLT FX W/O COMA	80126	CL SKUL BASE FX-COMA NOS
80062	OPN SKUL VLT FX-BRF COMA	80129	CL SKULL BASE FX-CONCUSS
80063	OPN SKUL VLT FX-MOD COMA	80130	CL SKULL BASE FX/HEM NEC
80064	OPN SKL VLT FX-PROLN COM	80131	CL SKUL BASE FX W/O COMA

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80132	CL SKUL BASE FX-BRF COMA	8021	NASAL BONE FX-OPEN
80133	CL SKUL BASE FX-MOD COMA	80220	MANDIBLE FX NOS-CLOSED
80134	CL SKL BASE FX-PROL COMA	80221	FX CONDYL PROC MANDIB-CL
80135	CL SKL BASE FX-DEEP COMA	80222	SUBCONDYLAR FX MANDIB-CL
80136	CL SKUL BASE FX-COMA NOS	80223	FX CORON PROC MANDIB-CL
80139	CL SKULL BASE FX-CONCUSS	80224	FX RAMUS NOS-CLOSED
80140	CL SK BASE FX/BR INJ NEC	80225	FX ANGLE OF JAW-CLOSED
80141	CL SKUL BASE FX W/O COMA	80226	FX SYMPHY MANDIB BODY-CL
80142	CL SKUL BASE FX-BRF COMA	80227	FX ALVEOLAR BORD MAND-CL
80143	CL SKUL BASE FX-MOD COMA	80228	FX MANDIBLE BODY NEC-CL
80144	CL SKL BASE FX-PROL COMA	80229	MULT FX MANDIBLE-CLOSED
80145	CL SKL BASE FX-DEEP COMA	80230	MANDIBLE FX NOS-OPEN
80146	CL SKUL BASE FX-COMA NOS	80231	FX CONDYL PROC MAND-OPEN
80149	CL SKULL BASE FX-CONCUSS	80232	SUBCONDYL FX MANDIB-OPEN
80150	OPEN SKULL BASE FRACTURE	80233	FX CORON PROC MANDIB-OPN
80151	OPN SKL BASE FX W/O COMA	80234	FX RAMUS NOS-OPEN
80152	OPN SKL BASE FX-BRF COMA	80235	FX ANGLE OF JAW-OPEN
80153	OPN SKL BASE FX-MOD COMA	80236	FX SYMPHY MANDIB BDY-OPN
80154	OP SKL BASE FX-PROL COMA	80237	FX ALV BORD MAND BDY-OPN
80155	OP SKL BASE FX-DEEP COMA	80238	FX MANDIBLE BODY NEC-OPN
80156	OPN SKL BASE FX-COMA NOS	80239	MULT FX MANDIBLE-OPEN
80159	OPN SKUL BASE FX-CONCUSS	8024	FX MALAR/MAXILLARY-CLOSE
80160	OP SKL BASE FX/CEREB LAC	8025	FX MALAR/MAXILLARY-OPEN
80161	OPN SKL BASE FX W/O COMA	8026	FX ORBITAL FLOOR-CLOSED
80162	OPN SKL BASE FX-BRF COMA	8027	FX ORBITAL FLOOR-OPEN
80163	OPN SKL BASE FX-MOD COMA	8028	FX FACIAL BONE NEC-CLOSE
80164	OP SKL BASE FX-PROL COMA	8029	FX FACIAL BONE NEC-OPEN
80165	OP SKL BASE FX-DEEP COMA	80300	CLOSE SKULL FRACTURE NEC
80166	OPN SKL BASE FX-COMA NOS	80301	CL SKULL FX NEC W/O COMA
80169	OPN SKUL BASE FX-CONCUSS	80302	CL SKULL FX NEC-BRF COMA
80170	OP SKL BASE FX/MENIN HEM	80303	CL SKULL FX NEC-MOD COMA
80171	OPN SKL BASE FX W/O COMA	80304	CL SKL FX NEC-PROLN COMA
80172	OPN SKL BASE FX-BRF COMA	80305	CL SKUL FX NEC-DEEP COMA
80173	OPN SKL BASE FX-MOD COMA	80306	CL SKULL FX NEC-COMA NOS
80174	OP SKL BASE FX-PROL COMA	80309	CL SKULL FX NEC-CONCUSS
80175	OP SKL BASE FX-DEEP COMA	80310	CL SKL FX NEC/CEREBR LAC
80176	OPN SKL BASE FX-COMA NOS	80311	CL SKULL FX NEC W/O COMA
80179	OPN SKUL BASE FX-CONCUSS	80312	CL SKULL FX NEC-BRF COMA
80180	OPN SKUL BASE FX/HEM NEC	80313	CL SKULL FX NEC-MOD COMA
80181	OPN SKL BASE FX W/O COMA	80314	CL SKL FX NEC-PROLN COMA
80182	OPN SKL BASE FX-BRF COMA	80315	CL SKUL FX NEC-DEEP COMA
80183	OPN SKL BASE FX-MOD COMA	80316	CL SKULL FX NEC-COMA NOS
80184	OP SKL BASE FX-PROL COMA	80319	CL SKULL FX NEC-CONCUSS
80185	OP SKL BASE FX-DEEP COMA	80320	CL SKL FX NEC/MENING HEM
80186	OPN SKL BASE FX-COMA NOS	80321	CL SKULL FX NEC W/O COMA
80189	OPN SKUL BASE FX-CONCUSS	80322	CL SKULL FX NEC-BRF COMA
80190	OP SK BASE FX/BR INJ NEC	80323	CL SKULL FX NEC-MOD COMA
80191	OP SKUL BASE FX W/O COMA	80324	CL SKL FX NEC-PROLN COMA
80192	OPN SKL BASE FX-BRF COMA	80325	CL SKUL FX NEC-DEEP COMA
80193	OPN SKL BASE FX-MOD COMA	80326	CL SKULL FX NEC-COMA NOS
80194	OP SKL BASE FX-PROL COMA	80329	CL SKULL FX NEC-CONCUSS
80195	OP SKL BASE FX-DEEP COMA	80330	CL SKULL FX NEC/HEM NEC
80196	OPN SKL BASE FX-COMA NOS	80331	CL SKULL FX NEC W/O COMA
80199	OPN SKUL BASE FX-CONCUSS	80332	CL SKULL FX NEC-BRF COMA
8020	NASAL BONE FX-CLOSED	80333	CL SKULL FX NEC-MOD COMA

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80334	CL SKL FX NEC-PROLN COMA	80403	CL SKL W OTH FX-MOD COMA
80335	CL SKUL FX NEC-DEEP COMA	80404	CL SKL/OTH FX-PROLN COMA
80336	CL SKULL FX NEC-COMA NOS	80405	CL SKUL/OTH FX-DEEP COMA
80339	CL SKULL FX NEC-CONCUSS	80406	CL SKL W OTH FX-COMA NOS
80340	CL SKL FX NEC/BR INJ NEC	80409	CL SKUL W OTH FX-CONCUSS
80341	CL SKULL FX NEC W/O COMA	80410	CL SK W OTH FX/CEREB LAC
80342	CL SKULL FX NEC-BRF COMA	80411	CL SKL W OTH FX W/O COMA
80343	CL SKULL FX NEC-MOD COMA	80412	CL SKL W OTH FX-BRF COMA
80344	CL SKL FX NEC-PROLN COMA	80413	CL SKL W OTH FX-MOD COMA
80345	CL SKUL FX NEC-DEEP COMA	80414	CL SKL/OTH FX-PROLN COMA
80346	CL SKULL FX NEC-COMA NOS	80415	CL SKUL/OTH FX-DEEP COMA
80349	CL SKULL FX NEC-CONCUSS	80416	CL SKL W OTH FX-COMA NOS
80350	OPEN SKULL FRACTURE NEC	80419	CL SKUL W OTH FX-CONCUSS
80351	OPN SKUL FX NEC W/O COMA	80420	CL SKL/OTH FX/MENING HEM
80352	OPN SKUL FX NEC-BRF COMA	80421	CL SKL W OTH FX W/O COMA
80353	OPN SKUL FX NEC-MOD COMA	80422	CL SKL W OTH FX-BRF COMA
80354	OPN SKL FX NEC-PROL COMA	80423	CL SKL W OTH FX-MOD COMA
80355	OPN SKL FX NEC-DEEP COMA	80424	CL SKL/OTH FX-PROLN COMA
80356	OPN SKUL FX NEC-COMA NOS	80425	CL SKUL/OTH FX-DEEP COMA
80359	OPN SKULL FX NEC-CONCUSS	80426	CL SKL W OTH FX-COMA NOS
80360	OPN SKL FX NEC/CEREB LAC	80429	CL SKUL W OTH FX-CONCUSS
80361	OPN SKUL FX NEC W/O COMA	80430	CL SKUL W OTH FX/HEM NEC
80362	OPN SKUL FX NEC-BRF COMA	80431	CL SKL W OTH FX W/O COMA
80363	OPN SKUL FX NEC-MOD COMA	80432	CL SKL W OTH FX-BRF COMA
80364	OPN SKL FX NEC-PROLN COM	80433	CL SKL W OTH FX-MOD COMA
80365	OPN SKL FX NEC-DEEP COMA	80434	CL SKL/OTH FX-PROLN COMA
80366	OPN SKUL FX NEC-COMA NOS	80435	CL SKUL/OTH FX-DEEP COMA
80369	OPN SKULL FX NEC-CONCUSS	80436	CL SKL W OTH FX-COMA NOS
80370	OPN SKL FX NEC/MENIN HEM	80439	CL SKUL W OTH FX-CONCUSS
80371	OPN SKUL FX NEC W/O COMA	80440	CL SKL/OTH FX/BR INJ NEC
80372	OPN SKUL FX NEC-BRF COMA	80441	CL SKL W OTH FX W/O COMA
80373	OPN SKUL FX NEC-MOD COMA	80442	CL SKL W OTH FX-BRF COMA
80374	OPN SKL FX NEC-PROL COMA	80443	CL SKL W OTH FX-MOD COMA
80375	OPN SKL FX NEC-DEEP COMA	80444	CL SKL/OTH FX-PROLN COMA
80376	OPN SKUL FX NEC-COMA NOS	80445	CL SKUL/OTH FX-DEEP COMA
80379	OPN SKULL FX NEC-CONCUSS	80446	CL SKL W OTH FX-COMA NOS
80380	OPN SKULL FX NEC/HEM NEC	80449	CL SKUL W OTH FX-CONCUSS
80381	OPN SKUL FX NEC W/O COMA	80450	OPN SKULL FX/OTH BONE FX
80382	OPN SKUL FX NEC-BRF COMA	80451	OPN SKUL/OTH FX W/O COMA
80383	OPN SKUL FX NEC-MOD COMA	80452	OPN SKUL/OTH FX-BRF COMA
80384	OPN SKL FX NEC-PROL COMA	80453	OPN SKUL/OTH FX-MOD COMA
80385	OPN SKL FX NEC-DEEP COMA	80454	OPN SKL/OTH FX-PROL COMA
80386	OPN SKUL FX NEC-COMA NOS	80455	OPN SKL/OTH FX-DEEP COMA
80389	OPN SKULL FX NEC-CONCUSS	80456	OPN SKUL/OTH FX-COMA NOS
80390	OP SKL FX NEC/BR INJ NEC	80459	OPN SKULL/OTH FX-CONCUSS
80391	OPN SKUL FX NEC W/O COMA	80460	OPN SKL/OTH FX/CEREB LAC
80392	OPN SKUL FX NEC-BRF COMA	80461	OPN SKUL/OTH FX W/O COMA
80393	OPN SKUL FX NEC-MOD COMA	80462	OPN SKUL/OTH FX-BRF COMA
80394	OPN SKL FX NEC-PROL COMA	80463	OPN SKUL/OTH FX-MOD COMA
80395	OPN SKL FX NEC-DEEP COMA	80464	OPN SKL/OTH FX-PROL COMA
80396	OPN SKUL FX NEC-COMA NOS	80465	OPN SKL/OTH FX-DEEP COMA
80399	OPN SKULL FX NEC-CONCUSS	80466	OPN SKUL/OTH FX-COMA NOS
80400	CL SKUL FX W OTH BONE FX	80469	OPN SKULL/OTH FX-CONCUSS
80401	CL SKL W OTH FX W/O COMA	80470	OPN SKL/OTH FX/MENIN HEM
80402	CL SKL W OTH FX-BRF COMA	80471	OPN SKUL/OTH FX W/O COMA

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Craniotomy Mortality Rate  
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80472	OPN SKUL/OTH FX-BRF COMA	80615	C5-C7 FX-OP/CORD INJ NOS
80473	OPN SKUL/OTH FX-MOD COMA	80616	C5-C7 FX-OP/COM CORD LES
80474	OPN SKL/OTH FX-PROL COMA	80617	C5-C7 FX-OP/ANT CORD SYN
80475	OPN SKL/OTH FX-DEEP COMA	80618	C5-C7 FX-OP/CEN CORD SYN
80476	OPN SKUL/OTH FX-COMA NOS	80619	C5-C7 FX-OP/CORD INJ NEC
80479	OPN SKULL/OTH FX-CONCUSS	8500	CONCUSSION W/O COMA
80480	OPN SKL W OTH FX/HEM NEC	8501	CONCUS-BRIEF COMA <31 MN
80481	OPN SKUL/OTH FX W/O COMA	85011	CONCUS-BRIEF COMA <31 MN
80482	OPN SKUL/OTH FX-BRF COMA	85012	CONCUS-BRF COMA 31-59 MN
80483	OPN SKUL/OTH FX-MOD COMA	8502	CONCUSSION – MODERATE COMA
80484	OPN SKL/OTH FX-PROL COMA	8503	CONCUSSION-PROLONG COMA
80485	OPN SKL/OTH FX-DEEP COMA	8504	CONCUSSION DEEP COMA
80486	OPN SKUL/OTH FX-COMA NOS	8505	CONCUSSION W COMA NOS
80489	OPN SKULL/OTH FX-CONCUSS	8509	CONCUSSION NOS
80490	OP SKL/OTH FX/BR INJ NEC	85100	CEREBRAL CORTX CONTUSION
80491	OPN SKUL/OTH FX W/O COMA	85101	CORTEX CONTUSION-NO COMA
80492	OPN SKUL/OTH FX-BRF COMA	85102	CORTEX CONTUS-BRIEF COMA
80493	OPN SKUL/OTH FX-MOD COMA	85103	CORTEX CONTUS-
80494	OPN SKL/OTH FX-PROL COMA	85104	CORTX CONTUS-PROLNG COMA
80495	OPN SKL/OTH FX-DEEP COMA	85105	CORTEX CONTUS-DEEP COMA
80496	OPN SKUL/OTH FX-COMA NOS	85106	CORTEX CONTUS-COMA NOS
80499	OPN SKULL/OTH FX-CONCUSS	85109	CORTEX CONTUS-CONCUS NOS
80500	FX CERVICAL VERT NOS-CL	85110	CORTEX CONTUSION/OPN WND
80501	FX C1 VERTEBRA-CLOSED	85111	OPN CORT -CONTUS-NO COMA
80502	FX C2 VERTEBRA-CLOSED	85112	OPN CORT CONTUS- -BRF COMA
80503	FX C3 VERTEBRA-CLOSED	85113	OPN CORT CONTUS- MOD COMA
80504	FX C4 VERTEBRA-CLOSED	85114	OPN CORT CONTU- -PROL COMA
80505	FX C5 VERTEBRA-CLOSED	85115	OPN CORT CONTU-DEEP COMA
80506	FX C6 VERTEBRA-CLOSED	85116	OPN CORT CONTUS-COMA NOS
80507	FX C7 VERTEBRA-CLOSED	85119	OPN CORTX CONTUS-CONCUSS
80508	FX MULT CERVICAL VERT-CL	85120	CORTEX LACERAT
80510	FX CERVICAL VERT NOS-OPN	85121	CORTEX LACERAT W/O COMA
80511	FX C1 VERTEBRA-OPEN	85122	CORTEX LACERA-BRIEF COMA
80512	FX C2 VERTEBRA-OPEN	85123	CORTEX LACERAT-MOD COMA
80513	FX C3 VERTEBRA-OPEN	85124	CORTEX LACERAT-PROL COMA
80514	FX C4 VERTEBRA-OPEN	85125	CORTEX LACERAT-DEEP COMA
80515	FX C5 VERTEBRA-OPEN	85126	CORTEX LACERAT-COMA NOS
80516	FX C6 VERTEBRA-OPEN	85129	CORTEX LACERAT-CONCUSS
80517	FX C7 VERTEBRA-OPEN	85130	CORTEX LACER W OPN WOUND
80518	FX MLT CERVICAL VERT-OPN	85131	OPN CORTEX LACER-NO COMA
80600	C1-C4 FX-CL/CORD INJ NOS	85132	OPN CORTX LAC-BRIEF COMA
80601	C1-C4 FX-CL/COM CORD LES	85133	OPN CORTX LACER-MOD COMA
80602	C1-C4 FX-CL/ANT CORD SYN	85134	OPN CORTX LAC-PROLN COMA
80603	C1-C4 FX-CL/CEN CORD SYN	85135	OPN CORTEX LAC-DEEP COMA
80604	C1-C4 FX-CL/CORD INJ NEC	85136	OPN CORTX LACER-COMA NOS
80605	C5-C7 FX-CL/CORD INJ NOS	85139	OPN CORTX LACER-CONCUSS
80606	C5-C7 FX-CL/COM CORD LES	85140	CEREBEL/BRAIN STM CONTUS
80607	C5-C7 FX-CL/ANT CORD SYN	85141	CEREBELL CONTUS W/O COMA
80608	C5-C7 FX-CL/CEN CORD SYN	85142	CEREBELL CONTUS-BRF COMA
80609	C5-C7 FX-CL/CORD INJ NEC	85143	CEREBELL CONTUS-MOD COMA
80610	C1-C4 FX-OP/CORD INJ NOS	85144	CEREBEL CONTUS-PROL COMA
80611	C1-C4 FX-OP/COM CORD LES	85145	CEREBEL CONTUS-DEEP COMA
80612	C1-C4 FX-OP/ANT CORD SYN	85146	CEREBELL CONTUS-COMA NOS
80613	C1-C4 FX-OP/CEN CORD SYN	85149	CEREBELL CONTUS-CONCUSS
80614	C1-C4 FX-OP/CORD INJ NEC	85150	CEREBEL CONTUS W OPN WND

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85151	OPN CEREBE CONT W/O COMA	85220	TRAUMATIC SUBDURAL HEM
85152	OPN CEREBE CONT-BRF COMA	85221	SUBDURAL HEM W/O COMA
85153	OPN CEREBE CONT-MOD COMA	85222	SUBDURAL HEM-BRIEF COMA
85154	OPN CEREBE CONT-PROL COM	85223	SUBDURAL HEMORR-MOD COMA
85155	OPN CEREBE CONT-DEEP COM	85224	SUBDURAL HEM-PROLNG COMA
85156	OPN CEREBE CONT-COMA NOS	85225	SUBDURAL HEM-DEEP COMA
85159	OPN CEREBEL CONT-CONCUSS	85226	SUBDURAL HEMORR-COMA NOS
85160	CEREBEL/BRAIN STEM LACER	85229	SUBDURAL HEM-CONCUSSION
85161	CEREBEL LACERAT W/O COMA	85230	SUBDURAL HEM W OPN WOUND
85162	CEREBEL LACER-BRIEF COMA	85231	OPEN SUBDUR HEM W/O COMA
85163	CEREBEL LACERAT-MOD COMA	85232	OPN SUBDUR HEM-BRF COMA
85164	CEREBEL LACER-PROLN COMA	85233	OPN SUBDUR HEM-MOD COMA
85165	CEREBELL LACER-DEEP COMA	85234	OPN SUBDUR HEM-PROL COMA
85166	CEREBEL LACERAT-COMA NOS	85235	OPN SUBDUR HEM-DEEP COMA
85169	CEREBEL LACER-CONCUSSION	85236	OPN SUBDUR HEM-COMA NOS
85170	CEREBEL LACER W OPEN WND	85239	OPN SUBDUR HEM-CONCUSS
85171	OPN CEREBEL LAC W/O COMA	85240	TRAUMATIC EXTRADURAL HEM
85172	OPN CEREBEL LAC-BRF COMA	85241	EXTRADURAL HEM W/O COMA
85173	OPN CEREBEL LAC-MOD COMA	85242	EXTRADUR HEM-BRIEF COMA
85174	OPN CEREBE LAC-PROL COMA	85243	EXTRADURAL HEM-MOD COMA
85175	OPN CEREBE LAC-DEEP COMA	85244	EXTRADUR HEM-PROLN COMA
85176	OPN CEREBEL LAC-COMA NOS	85245	EXTRADURAL HEM-DEEP COMA
85179	OPN CEREBELL LAC-CONCUSS	85246	EXTRADURAL HEM-COMA NOS
85180	BRAIN LACERATION NEC	85249	EXTADURAL HEM-CONCUSS
85181	BRAIN LACER NEC W/O COMA	85250	EXTRADURAL HEM W OPN WND
85182	BRAIN LAC NEC-BRIEF COMA	85251	EXTRADURAL HEMOR-NO COMA
85183	BRAIN LACER NEC-MOD COMA	85252	EXTRADUR HEM-BRIEF COMA
85184	BRAIN LAC NEC-PROLN COMA	85253	EXTRADURAL HEM-MOD COMA
85185	BRAIN LAC NEC-DEEP COMA	85254	EXTRADUR HEM-PROLN COMA
85186	BRAIN LACER NEC-COMA NOS	85255	EXTRADUR HEM-DEEP COMA
85189	BRAIN LACER NEC-CONCUSS	85256	EXTRADURAL HEM-COMA NOS
85190	BRAIN LAC NEC W OPEN WND	85259	EXTRADURAL HEM-CONCUSS
85191	OPN BRAIN LACER W/O COMA	85300	TRAUMATIC BRAIN HEM NEC
85192	OPN BRAIN LAC-BRIEF COMA	85301	BRAIN HEM NEC W/O COMA
85193	OPN BRAIN LACER-MOD COMA	85302	BRAIN HEM NEC-BRIEF COMA
85194	OPN BRAIN LAC-PROLN COMA	85303	BRAIN HEM NEC-MOD COMA
85195	OPEN BRAIN LAC-DEEP COMA	85304	BRAIN HEM NEC-PROLN COMA
85196	OPN BRAIN LACER-COMA NOS	85305	BRAIN HEM NEC-DEEP COMA
85199	OPEN BRAIN LACER-CONCUSS	85306	BRAIN HEM NEC-COMA NOS
85200	TRAUM SUBARACHNOID HEM	85309	BRAIN HEM NEC-CONCUSSION
85201	SUBARACHNOID HEM-NO COMA	85310	BRAIN HEM NEC W OPN WND
85202	SUBARACH HEM-BRIEF COMA	85311	BRAIN HEM OPN W/O COMA
85203	SUBARACH HEM-MOD COMA	85312	BRAIN HEM OPN-BRF COMA
85204	SUBARACH HEM-PROLNG COMA	85313	BRAIN HEM OPEN-MOD COMA
85205	SUBARACH HEM-DEEP COMA	85314	BRAIN HEM OPN-PROLN COMA
85206	SUBARACH HEM-COMA NOS	85315	BRAIN HEM OPEN-DEEP COMA
85209	SUBARACH HEM-CONCUSSION	85316	BRAIN HEM OPEN-COMA NOS
85210	SUBARACH HEM W OPN WOUND	85319	BRAIN HEM OPN-CONCUSSION
85211	OPN SUBARACH HEM-NO COMA	85400	BRAIN INJURY NEC
85212	OP SUBARACH HEM-BRF COMA	85401	BRAIN INJURY NEC-NO COMA
85213	OP SUBARACH HEM-MOD COMA	85402	BRAIN INJ NEC-BRIEF COMA
85214	OP SUBARACH HEM-PROL COM	85403	BRAIN INJ NEC-MOD COMA
85215	OP SUBARACH HEM-DEEP COM	85404	BRAIN INJ NEC-PROLN COMA
85216	OP SUBARACH HEM-COMA NOS	85405	BRAIN INJ NEC-DEEP COMA
85219	OPN SUBARACH HEM-CONCUSS	85406	BRAIN INJ NEC-COMA NOS

85409	BRAIN INJ NEC-CONCUSSION	9518	INJURY CRANIAL NERVE NEC
85410	BRAIN INJURY W OPN WND	9519	INJURY CRANIAL NERVE NOS
85411	OPN BRAIN INJ W/O COMA	95200	C1-C4 SPIN CORD INJ NOS
85412	OPN BRAIN INJ-BRIEF COMA	95201	COMPLETE LES CORD/C1-C4
85413	OPN BRAIN INJ-MOD COMA	95202	ANTERIOR CORD SYND/C1-C4
85414	OPN BRAIN INJ-PROLN COMA	95203	CENTRAL CORD SYND/C1-C4
85415	OPN BRAIN INJ-DEEP COMA	95204	C1-C4 SPIN CORD INJ NEC
85416	OPEN BRAIN INJ-COMA NOS	95205	C5-C7 SPIN CORD INJ NOS
85419	OPN BRAIN INJ-CONCUSSION	95206	COMPLETE LES CORD/C5-C7
9500	OPTIC NERVE INJURY	95207	ANTERIOR CORD SYND/C5-C7
9501	INJURY TO OPTIC CHIASM	95208	CENTRAL CORD SYND/C5-C7
9502	INJURY TO OPTIC PATHWAYS	95209	C5-C7 SPIN CORD INJ NEC
9503	INJURY TO VISUAL CORTEX	95210	T1-T6 SPIN CORD INJ NOS
9509	INJ OPTIC NERV/PATH NOS	95211	COMPLETE LES CORD/T1-T6
9510	INJURY OCULOMOTOR NERVE	95212	ANTERIOR CORD SYND/T1-T6
9511	INJURY TROCHLEAR NERVE	95213	CENTRAL CORD SYND/T1-T6
9512	INJURY TRIGEMINAL NERVE	95214	T1-T6 SPIN CORD INJ NEC
9513	INJURY ABDUCENS NERVE	95215	T7-T12 SPIN CORD INJ NOS
9514	INJURY TO FACIAL NERVE	95216	COMPLETE LES CORD/T7-T12
9515	INJURY TO ACOUSTIC NERVE	95217	ANTERIOR CORD SYN/T7-T12
9516	INJURY ACCESSORY NERVE	95218	CENTRAL CORD SYN/T7-T12
9517	INJURY HYPOGLOSSAL NERVE	95219	T7-T12 SPIN CORD INJ NEC