

Craniotomy Mortality Rate

Inpatient Quality Indicators #13

Technical Specifications

Provider-Level Indicator

Procedure Mortality 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

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.

ICD-9-CM 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
529	VENTRICULAR SHUNT PROCEDURES W CC		

ICD-9-CM 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	CRANIOTOMY W MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PDX W MCC	032	VENTRICULAR SHUNT PROCEDURES W CC
024	CRANIOTOMY W MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PDX W/O MCC	033	VENTRICULAR SHUNT PROCEDURES W/O CC/MCC
025	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W MCC		

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)

ICD-9-CM Head Trauma diagnosis codes:

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

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80110	CL SKL BASE FX/CEREB LAC	80179	OPN SKUL BASE FX-CONCUSS
80111	CL SKUL BASE FX W/O COMA	80180	OPN SKUL BASE FX/HEM NEC
80112	CL SKUL BASE FX-BRF COMA	80181	OPN SKL BASE FX W/O COMA
80113	CL SKUL BASE FX-MOD COMA	80182	OPN SKL BASE FX-BRF COMA
80114	CL SKL BASE FX-PROL COMA	80183	OPN SKL BASE FX-MOD COMA
80115	CL SKL BASE FX-DEEP COMA	80184	OP SKL BASE FX-PROL COMA
80116	CL SKUL BASE FX-COMA NOS	80185	OP SKL BASE FX-DEEP COMA
80119	CL SKULL BASE FX-CONCUSS	80186	OPN SKL BASE FX-COMA NOS
80120	CL SKL BASE FX/MENIN HEM	80189	OPN SKUL BASE FX-CONCUSS
80121	CL SKUL BASE FX W/O COMA	80190	OP SK BASE FX/BR INJ NEC
80122	CL SKUL BASE FX/BRF COMA	80191	OP SKUL BASE FX W/O COMA
80123	CL SKUL BASE FX-MOD COMA	80192	OPN SKL BASE FX-BRF COMA
80124	CL SKL BASE FX-PROL COMA	80193	OPN SKL BASE FX-MOD COMA
80125	CL SKL BASE FX-DEEP COMA	80194	OP SKL BASE FX-PROL COMA
80126	CL SKUL BASE FX-COMA NOS	80195	OP SKL BASE FX-DEEP COMA
80129	CL SKULL BASE FX-CONCUSS	80196	OPN SKL BASE FX-COMA NOS
80130	CL SKULL BASE FX/HEM NEC	80199	OPN SKUL BASE FX-CONCUSS
80131	CL SKUL BASE FX W/O COMA	8020	NASAL BONE FX-CLOSED
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

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80312	CL SKULL FX NEC-BRF COMA	80381	OPN SKUL FX NEC W/O COMA
80313	CL SKULL FX NEC-MOD COMA	80382	OPN SKUL FX NEC-BRF COMA
80314	CL SKL FX NEC-PROLN COMA	80383	OPN SKUL FX NEC-MOD COMA
80315	CL SKUL FX NEC-DEEP COMA	80384	OPN SKL FX NEC-PROL COMA
80316	CL SKULL FX NEC-COMA NOS	80385	OPN SKL FX NEC-DEEP COMA
80319	CL SKULL FX NEC-CONCUSS	80386	OPN SKUL FX NEC-COMA NOS
80320	CL SKL FX NEC/MENING HEM	80389	OPN SKULL FX NEC-CONCUSS
80321	CL SKULL FX NEC W/O COMA	80390	OP SKL FX NEC/BR INJ NEC
80322	CL SKULL FX NEC-BRF COMA	80391	OPN SKUL FX NEC W/O COMA
80323	CL SKULL FX NEC-MOD COMA	80392	OPN SKUL FX NEC-BRF COMA
80324	CL SKL FX NEC-PROLN COMA	80393	OPN SKUL FX NEC-MOD COMA
80325	CL SKUL FX NEC-DEEP COMA	80394	OPN SKL FX NEC-PROL COMA
80326	CL SKULL FX NEC-COMA NOS	80395	OPN SKL FX NEC-DEEP COMA
80329	CL SKULL FX NEC-CONCUSS	80396	OPN SKUL FX NEC-COMA NOS
80330	CL SKULL FX NEC/HEM NEC	80399	OPN SKULL FX NEC-CONCUSS
80331	CL SKULL FX NEC W/O COMA	80400	CL SKUL FX W OTH BONE FX
80332	CL SKULL FX NEC-BRF COMA	80401	CL SKL W OTH FX W/O COMA
80333	CL SKULL FX NEC-MOD COMA	80402	CL SKL W OTH FX-BRF COMA
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

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80450	OPN SKULL FX/OTH BONE FX	80516	FX C6 VERTEBRA-OPEN
80451	OPN SKUL/OTH FX W/O COMA	80517	FX C7 VERTEBRA-OPEN
80452	OPN SKUL/OTH FX-BRF COMA	80518	FX MLT CERVICAL VERT-OPN
80453	OPN SKUL/OTH FX-MOD COMA	80600	C1-C4 FX-CL/CORD INJ NOS
80454	OPN SKL/OTH FX-PROL COMA	80601	C1-C4 FX-CL/COM CORD LES
80455	OPN SKL/OTH FX-DEEP COMA	80602	C1-C4 FX-CL/ANT CORD SYN
80456	OPN SKUL/OTH FX-COMA NOS	80603	C1-C4 FX-CL/GEN CORD SYN
80459	OPN SKULL/OTH FX-CONCUSS	80604	C1-C4 FX-CL/CORD INJ NEC
80460	OPN SKL/OTH FX/CEREB LAC	80605	C5-C7 FX-CL/CORD INJ NOS
80461	OPN SKUL/OTH FX W/O COMA	80606	C5-C7 FX-CL/COM CORD LES
80462	OPN SKUL/OTH FX-BRF COMA	80607	C5-C7 FX-CL/ANT CORD SYN
80463	OPN SKUL/OTH FX-MOD COMA	80608	C5-C7 FX-CL/GEN CORD SYN
80464	OPN SKL/OTH FX-PROL COMA	80609	C5-C7 FX-CL/CORD INJ NEC
80465	OPN SKL/OTH FX-DEEP COMA	80610	C1-C4 FX-OP/CORD INJ NOS
80466	OPN SKUL/OTH FX-COMA NOS	80611	C1-C4 FX-OP/COM CORD LES
80469	OPN SKULL/OTH FX-CONCUSS	80612	C1-C4 FX-OP/ANT CORD SYN
80470	OPN SKL/OTH FX/MENIN HEM	80613	C1-C4 FX-OP/GEN CORD SYN
80471	OPN SKUL/OTH FX W/O COMA	80614	C1-C4 FX-OP/CORD INJ NEC
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/GEN 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	CONCUSSION-BRIEF COMA
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-MOD COMA
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 CORTX 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	CEREBRAL 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

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85129	CORTEX LACERAT-CONCUSS	85196	OPN BRAIN LACER-COMA NOS
85130	CORTEX LACER W OPN WOUND	85199	OPEN BRAIN LACER-CONCUSS
85131	OPN CORTEX LACER-NO COMA	85200	TRAUM SUBARACHNOID HEM
85132	OPN CORTX LAC-BRIEF COMA	85201	SUBARACHNOID HEM-NO COMA
85133	OPN CORTX LACER-MOD COMA	85202	SUBARACH HEM-BRIEF COMA
85134	OPN CORTX LAC-PROLN COMA	85203	SUBARACH HEM-MOD COMA
85135	OPN CORTEX LAC-DEEP COMA	85204	SUBARACH HEM-PROLNG COMA
85136	OPN CORTX LACER-COMA NOS	85205	SUBARACH HEM-DEEP COMA
85139	OPN CORTX LACER-CONCUSS	85206	SUBARACH HEM-COMA NOS
85140	CEREBEL/BRAIN STM CONTUS	85209	SUBARACH HEM-CONCUSSION
85141	CEREBELL CONTUS W/O COMA	85210	SUBARACH HEM W OPN WOUND
85142	CEREBELL CONTUS-BRF COMA	85211	OPN SUBARACH HEM-NO COMA
85143	CEREBELL CONTUS-MOD COMA	85212	OP SUBARACH HEM-BRF COMA
85144	CEREBEL CONTUS-PROL COMA	85213	OP SUBARACH HEM-MOD COMA
85145	CEREBEL CONTUS-DEEP COMA	85214	OP SUBARACH HEM-PROL COM
85146	CEREBELL CONTUS-COMA NOS	85215	OP SUBARACH HEM-DEEP COM
85149	CEREBELL CONTUS-CONCUSS	85216	OP SUBARACH HEM-COMA NOS
85150	CEREBEL CONTUS W OPN WND	85219	OPN SUBARACH HEM-CONCUSS
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

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85305	BRAIN HEM NEC-DEEP COMA	9509	INJ OPTIC NERV/PATH NOS
85306	BRAIN HEM NEC-COMA NOS	9510	INJURY OCULOMOTOR NERVE
85309	BRAIN HEM NEC-CONCUSSION	9511	INJURY TROCHLEAR NERVE
85310	BRAIN HEM NEC W OPN WND	9512	INJURY TRIGEMINAL NERVE
85311	BRAIN HEM OPN W/O COMA	9513	INJURY ABDUCENS NERVE
85312	BRAIN HEM OPN-BRF COMA	9514	INJURY TO FACIAL NERVE
85313	BRAIN HEM OPEN-MOD COMA	9515	INJURY TO ACOUSTIC NERVE
85314	BRAIN HEM OPN-PROLN COMA	9516	INJURY ACCESSORY NERVE
85315	BRAIN HEM OPEN-DEEP COMA	9517	INJURY HYPOGLOSSAL NERVE
85316	BRAIN HEM OPEN-COMA NOS	9518	INJURY CRANIAL NERVE NEC
85319	BRAIN HEM OPN-CONCUSSION	9519	INJURY CRANIAL NERVE NOS
85400	BRAIN INJURY NEC	95200	C1-C4 SPIN CORD INJ NOS
85401	BRAIN INJURY NEC-NO COMA	95201	COMPLETE LES CORD/C1-C4
85402	BRAIN INJ NEC-BRIEF COMA	95202	ANTERIOR CORD SYND/C1-C4
85403	BRAIN INJ NEC-MOD COMA	95203	CENTRAL CORD SYND/C1-C4
85404	BRAIN INJ NEC-PROLN COMA	95204	C1-C4 SPIN CORD INJ NEC
85405	BRAIN INJ NEC-DEEP COMA	95205	C5-C7 SPIN CORD INJ NOS
85406	BRAIN INJ NEC-COMA NOS	95206	COMPLETE LES CORD/C5-C7
85409	BRAIN INJ NEC-CONCUSSION	95207	ANTERIOR CORD SYND/C5-C7
85410	BRAIN INJURY W OPN WND	95208	CENTRAL CORD SYND/C5-C7
85411	OPN BRAIN INJ W/O COMA	95209	C5-C7 SPIN CORD INJ NEC
85412	OPN BRAIN INJ-BRIEF COMA	95210	T1-T6 SPIN CORD INJ NOS
85413	OPN BRAIN INJ-MOD COMA	95211	COMPLETE LES CORD/T1-T6
85414	OPN BRAIN INJ-PROLN COMA	95212	ANTERIOR CORD SYND/T1-T6
85415	OPN BRAIN INJ-DEEP COMA	95213	CENTRAL CORD SYND/T1-T6
85416	OPEN BRAIN INJ-COMA NOS	95214	T1-T6 SPIN CORD INJ NEC
85419	OPN BRAIN INJ-CONCUSSION	95215	T7-T12 SPIN CORD INJ NOS
9500	OPTIC NERVE INJURY	95216	COMPLETE LES CORD/T7-T12
9501	INJURY TO OPTIC CHIASM	95217	ANTERIOR CORD SYN/T7-T12
9502	INJURY TO OPTIC PATHWAYS	95218	CENTRAL CORD SYN/T7-T12
9503	INJURY TO VISUAL CORTEX	95219	T7-T12 SPIN CORD INJ NEC