

Craniotomy Mortality Rate

Technical Specifications

Inpatient Quality Indicators #13 (IQI #13)

AHRQ Quality Indicators™, Version 4.5, May 2013
Provider-Level Indicator
Type of Score: Rate

Description

In-hospital deaths per 1,000 discharges with craniotomy, ages 18 years and older. Excludes patients with a principal diagnosis of head trauma, obstetric discharges, and transfers to another hospital.

[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 in-hospital deaths per 1,000 hospital discharges.]

Numerator

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

Denominator

Discharges, for patients ages 18 years or older, with a DRG or MS-DRG code for craniotomy.

[NOTE: By definition, discharges with a DRG or MS-DRG code for craniotomy are precluded from an assignment of MDC 14 by grouper software. Thus, obstetric discharges should not be considered in the IQI #13 rate, though the AHRQ QI™ software does not explicitly exclude obstetric cases.]

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	022	INTRACRANIAL VASCULAR PROCEDURES WITH PDX HEMORRHAGE W/O CC/MCC
021	INTRACRANIAL VASCULAR PROCEDURES WITH PDX HEMORRHAGE W CC		

**AHRQ QI™ Version 4.5, Inpatient Quality Indicators #13, Technical Specifications,
Craniotomy Mortality Rate
www.qualityindicators.ahrq.gov**

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

Exclude cases:

- with a principal ICD-9-CM diagnosis code for 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 codes¹:

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

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Craniotomy Mortality Rate
www.qualityindicators.ahrq.gov**

80086	OPN SKUL VLT FX-COMA NOS	80154	OP SKL BASE FX-PROL COMA
80089	OP SKL VLT FX-CONCUS NOS	80155	OP SKL BASE FX-DEEP COMA
80090	OP SKL VLT FX/BR INJ NEC	80156	OPN SKL BASE FX-COMA NOS
80091	OPN SKUL VLT FX W/O COMA	80159	OPN SKUL BASE FX-CONCUSS
80092	OPN SKUL VLT FX-BRF COMA	80160	OP SKL BASE FX/CEREB LAC
80093	OPN SKUL VLT FX-MOD COMA	80161	OPN SKL BASE FX W/O COMA
80094	OPN SKL VLT FX-PROLN COM	80162	OPN SKL BASE FX-BRF COMA
80095	OP SKUL VLT FX-DEEP COMA	80163	OPN SKL BASE FX-MOD COMA
80096	OPN SKUL VLT FX-COMA NOS	80164	OP SKL BASE FX-PROL COMA
80099	OP SKL VLT FX-CONCUS NOS	80165	OP SKL BASE FX-DEEP COMA
80100	CLOS SKULL BASE FRACTURE	80166	OPN SKL BASE FX-COMA NOS
80101	CL SKUL BASE FX W/O COMA	80169	OPN SKUL BASE FX-CONCUSS
80102	CL SKUL BASE FX-BRF COMA	80170	OP SKL BASE FX/MENIN HEM
80103	CL SKUL BASE FX-MOD COMA	80171	OPN SKL BASE FX W/O COMA
80104	CL SKL BASE FX-PROL COMA	80172	OPN SKL BASE FX-BRF COMA
80105	CL SKL BASE FX-DEEP COMA	80173	OPN SKL BASE FX-MOD COMA
80106	CL SKUL BASE FX-COMA NOS	80174	OP SKL BASE FX-PROL COMA
80109	CL SKULL BASE FX-CONCUSS	80175	OP SKL BASE FX-DEEP COMA
80110	CL SKL BASE FX/CEREB LAC	80176	OPN SKL BASE FX-COMA NOS
80111	CL SKUL BASE FX W/O COMA	80179	OPN SKUL BASE FX-CONCUSS
80112	CL SKUL BASE FX-BRF COMA	80180	OPN SKUL BASE FX/HEM NEC
80113	CL SKUL BASE FX-MOD COMA	80181	OPN SKL BASE FX W/O COMA
80114	CL SKL BASE FX-PROL COMA	80182	OPN SKL BASE FX-BRF COMA
80115	CL SKL BASE FX-DEEP COMA	80183	OPN SKL BASE FX-MOD COMA
80116	CL SKUL BASE FX-COMA NOS	80184	OP SKL BASE FX-PROL COMA
80119	CL SKULL BASE FX-CONCUSS	80185	OP SKL BASE FX-DEEP COMA
80120	CL SKL BASE FX/MENIN HEM	80186	OPN SKL BASE FX-COMA NOS
80121	CL SKUL BASE FX W/O COMA	80189	OPN SKUL BASE FX-CONCUSS
80122	CL SKUL BASE FX/BRF COMA	80190	OP SK BASE FX/BR INJ NEC
80123	CL SKUL BASE FX-MOD COMA	80191	OP SKUL BASE FX W/O COMA
80124	CL SKL BASE FX-PROL COMA	80192	OPN SKL BASE FX-BRF COMA
80125	CL SKL BASE FX-DEEP COMA	80193	OPN SKL BASE FX-MOD COMA
80126	CL SKUL BASE FX-COMA NOS	80194	OP SKL BASE FX-PROL COMA
80129	CL SKULL BASE FX-CONCUSS	80195	OP SKL BASE FX-DEEP COMA
80130	CL SKULL BASE FX/HEM NEC	80196	OPN SKL BASE FX-COMA NOS
80131	CL SKUL BASE FX W/O COMA	80199	OPN SKUL BASE FX-CONCUSS
80132	CL SKUL BASE FX-BRF COMA	8020	NASAL BONE FX-CLOSED
80133	CL SKUL BASE FX-MOD COMA	8021	NASAL BONE FX-OPEN
80134	CL SKL BASE FX-PROL COMA	80220	MANDIBLE FX NOS-CLOSED
80135	CL SKL BASE FX-DEEP COMA	80221	FX CONDYL PROC MANDIB-CL
80136	CL SKUL BASE FX-COMA NOS	80222	SUBCONDYLAR FX MANDIB-CL
80139	CL SKULL BASE FX-CONCUSS	80223	FX CORON PROC MANDIB-CL
80140	CL SK BASE FX/BR INJ NEC	80224	FX RAMUS NOS-CLOSED
80141	CL SKUL BASE FX W/O COMA	80225	FX ANGLE OF JAW-CLOSED
80142	CL SKUL BASE FX-BRF COMA	80226	FX SYMPHY MANDIB BODY-CL
80143	CL SKUL BASE FX-MOD COMA	80227	FX ALVEOLAR BORD MAND-CL
80144	CL SKL BASE FX-PROL COMA	80228	FX MANDIBLE BODY NEC-CL
80145	CL SKL BASE FX-DEEP COMA	80229	MULT FX MANDIBLE-CLOSED
80146	CL SKUL BASE FX-COMA NOS	80230	MANDIBLE FX NOS-OPEN
80149	CL SKULL BASE FX-CONCUSS	80231	FX CONDYL PROC MAND-OPEN
80150	OPEN SKULL BASE FRACTURE	80232	SUBCONDYL FX MANDIB-OPEN
80151	OPN SKL BASE FX W/O COMA	80233	FX CORON PROC MANDIB-OPN
80152	OPN SKL BASE FX-BRF COMA	80234	FX RAMUS NOS-OPEN
80153	OPN SKL BASE FX-MOD COMA	80235	FX ANGLE OF JAW-OPEN

**AHRQ QI™ Version 4.5, Inpatient Quality Indicators #13, Technical Specifications,
Craniotomy Mortality Rate
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80236	FX SYMPHY MANDIB BDY-OPN	80354	OPN SKL FX NEC-PROL COMA
80237	FX ALV BORD MAND BDY-OPN	80355	OPN SKL FX NEC-DEEP COMA
80238	FX MANDIBLE BODY NEC-OPN	80356	OPN SKUL FX NEC-COMA NOS
80239	MULT FX MANDIBLE-OPEN	80359	OPN SKULL FX NEC-CONCUSS
8024	FX MALAR/MAXILLARY-CLOSE	80360	OPN SKL FX NEC/CEREB LAC
8025	FX MALAR/MAXILLARY-OPEN	80361	OPN SKUL FX NEC W/O COMA
8026	FX ORBITAL FLOOR-CLOSED	80362	OPN SKUL FX NEC-BRF COMA
8027	FX ORBITAL FLOOR-OPEN	80363	OPN SKUL FX NEC-MOD COMA
8028	FX FACIAL BONE NEC-CLOSE	80364	OPN SKL FX NEC-PROLN COM
8029	FX FACIAL BONE NEC-OPEN	80365	OPN SKL FX NEC-DEEP COMA
80300	CLOSE SKULL FRACTURE NEC	80366	OPN SKUL FX NEC-COMA NOS
80301	CL SKULL FX NEC W/O COMA	80369	OPN SKULL FX NEC-CONCUSS
80302	CL SKULL FX NEC-BRF COMA	80370	OPN SKL FX NEC/MENIN HEM
80303	CL SKULL FX NEC-MOD COMA	80371	OPN SKUL FX NEC W/O COMA
80304	CL SKL FX NEC-PROLN COMA	80372	OPN SKUL FX NEC-BRF COMA
80305	CL SKUL FX NEC-DEEP COMA	80373	OPN SKUL FX NEC-MOD COMA
80306	CL SKULL FX NEC-COMA NOS	80374	OPN SKL FX NEC-PROL COMA
80309	CL SKULL FX NEC-CONCUSS	80375	OPN SKL FX NEC-DEEP COMA
80310	CL SKL FX NEC/CEREBR LAC	80376	OPN SKUL FX NEC-COMA NOS
80311	CL SKULL FX NEC W/O COMA	80379	OPN SKULL FX NEC-CONCUSS
80312	CL SKULL FX NEC-BRF COMA	80380	OPN SKULL FX NEC/HEM NEC
80313	CL SKULL FX NEC-MOD COMA	80381	OPN SKUL FX NEC W/O COMA
80314	CL SKL FX NEC-PROLN COMA	80382	OPN SKUL FX NEC-BRF COMA
80315	CL SKUL FX NEC-DEEP COMA	80383	OPN SKUL FX NEC-MOD COMA
80316	CL SKULL FX NEC-COMA NOS	80384	OPN SKL FX NEC-PROL COMA
80319	CL SKULL FX NEC-CONCUSS	80385	OPN SKL FX NEC-DEEP COMA
80320	CL SKL FX NEC/MENING HEM	80386	OPN SKUL FX NEC-COMA NOS
80321	CL SKULL FX NEC W/O COMA	80389	OPN SKULL FX NEC-CONCUSS
80322	CL SKULL FX NEC-BRF COMA	80390	OP SKL FX NEC/BR INJ NEC
80323	CL SKULL FX NEC-MOD COMA	80391	OPN SKUL FX NEC W/O COMA
80324	CL SKL FX NEC-PROLN COMA	80392	OPN SKUL FX NEC-BRF COMA
80325	CL SKUL FX NEC-DEEP COMA	80393	OPN SKUL FX NEC-MOD COMA
80326	CL SKULL FX NEC-COMA NOS	80394	OPN SKL FX NEC-PROL COMA
80329	CL SKULL FX NEC-CONCUSS	80395	OPN SKL FX NEC-DEEP COMA
80330	CL SKULL FX NEC/HEM NEC	80396	OPN SKUL FX NEC-COMA NOS
80331	CL SKULL FX NEC W/O COMA	80399	OPN SKULL FX NEC-CONCUSS
80332	CL SKULL FX NEC-BRF COMA	80400	CL SKUL FX W OTH BONE FX
80333	CL SKULL FX NEC-MOD COMA	80401	CL SKL W OTH FX W/O COMA
80334	CL SKL FX NEC-PROLN COMA	80402	CL SKL W OTH FX-BRF COMA
80335	CL SKUL FX NEC-DEEP COMA	80403	CL SKL W OTH FX-MOD COMA
80336	CL SKULL FX NEC-COMA NOS	80404	CL SKL/OTH FX-PROLN COMA
80339	CL SKULL FX NEC-CONCUSS	80405	CL SKUL/OTH FX-DEEP COMA
80340	CL SKL FX NEC/BR INJ NEC	80406	CL SKL W OTH FX-COMA NOS
80341	CL SKULL FX NEC W/O COMA	80409	CL SKUL W OTH FX-CONCUSS
80342	CL SKULL FX NEC-BRF COMA	80410	CL SK W OTH FX/CEREB LAC
80343	CL SKULL FX NEC-MOD COMA	80411	CL SKL W OTH FX W/O COMA
80344	CL SKL FX NEC-PROLN COMA	80412	CL SKL W OTH FX-BRF COMA
80345	CL SKUL FX NEC-DEEP COMA	80413	CL SKL W OTH FX-MOD COMA
80346	CL SKULL FX NEC-COMA NOS	80414	CL SKL/OTH FX-PROLN COMA
80349	CL SKULL FX NEC-CONCUSS	80415	CL SKUL/OTH FX-DEEP COMA
80350	OPEN SKULL FRACTURE NEC	80416	CL SKL W OTH FX-COMA NOS
80351	OPN SKUL FX NEC W/O COMA	80419	CL SKUL W OTH FX-CONCUSS
80352	OPN SKUL FX NEC-BRF COMA	80420	CL SKL/OTH FX/MENING HEM
80353	OPN SKUL FX NEC-MOD COMA	80421	CL SKL W OTH FX W/O COMA

**AHRQ QI™ Version 4.5, Inpatient Quality Indicators #13, Technical Specifications,
Craniotomy Mortality Rate
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80422	CL SKL W OTH FX-BRF COMA	80490	OP SKL/OTH FX/BR INJ NEC
80423	CL SKL W OTH FX-MOD COMA	80491	OPN SKUL/OTH FX W/O COMA
80424	CL SKL/OTH FX-PROLN COMA	80492	OPN SKUL/OTH FX-BRF COMA
80425	CL SKUL/OTH FX-DEEP COMA	80493	OPN SKUL/OTH FX-MOD COMA
80426	CL SKL W OTH FX-COMA NOS	80494	OPN SKL/OTH FX-PROL COMA
80429	CL SKUL W OTH FX-CONCUSS	80495	OPN SKL/OTH FX-DEEP COMA
80430	CL SKUL W OTH FX/HEM NEC	80496	OPN SKUL/OTH FX-COMA NOS
80431	CL SKL W OTH FX W/O COMA	80499	OPN SKULL/OTH FX-CONCUSS
80432	CL SKL W OTH FX-BRF COMA	80500	FX CERVICAL VERT NOS-CL
80433	CL SKL W OTH FX-MOD COMA	80501	FX C1 VERTEBRA-CLOSED
80434	CL SKL/OTH FX-PROLN COMA	80502	FX C2 VERTEBRA-CLOSED
80435	CL SKUL/OTH FX-DEEP COMA	80503	FX C3 VERTEBRA-CLOSED
80436	CL SKL W OTH FX-COMA NOS	80504	FX C4 VERTEBRA-CLOSED
80439	CL SKUL W OTH FX-CONCUSS	80505	FX C5 VERTEBRA-CLOSED
80440	CL SKL/OTH FX/BR INJ NEC	80506	FX C6 VERTEBRA-CLOSED
80441	CL SKL W OTH FX W/O COMA	80507	FX C7 VERTEBRA-CLOSED
80442	CL SKL W OTH FX-BRF COMA	80508	FX MULT CERVICAL VERT-CL
80443	CL SKL W OTH FX-MOD COMA	80510	FX CERVICAL VERT NOS-OPN
80444	CL SKL/OTH FX-PROLN COMA	80511	FX C1 VERTEBRA-OPEN
80445	CL SKUL/OTH FX-DEEP COMA	80512	FX C2 VERTEBRA-OPEN
80446	CL SKL W OTH FX-COMA NOS	80513	FX C3 VERTEBRA-OPEN
80449	CL SKUL W OTH FX-CONCUSS	80514	FX C4 VERTEBRA-OPEN
80450	OPN SKULL FX/OTH BONE FX	80515	FX C5 VERTEBRA-OPEN
80451	OPN SKUL/OTH FX W/O COMA	80516	FX C6 VERTEBRA-OPEN
80452	OPN SKUL/OTH FX-BRF COMA	80517	FX C7 VERTEBRA-OPEN
80453	OPN SKUL/OTH FX-MOD COMA	80518	FX MLT CERVICAL VERT-OPN
80454	OPN SKL/OTH FX-PROL COMA	80600	C1-C4 FX-CL/CORD INJ NOS
80455	OPN SKL/OTH FX-DEEP COMA	80601	C1-C4 FX-CL/COM CORD LES
80456	OPN SKUL/OTH FX-COMA NOS	80602	C1-C4 FX-CL/ANT CORD SYN
80459	OPN SKULL/OTH FX-CONCUSS	80603	C1-C4 FX-CL/CEN CORD SYN
80460	OPN SKL/OTH FX/CEREB LAC	80604	C1-C4 FX-CL/CORD INJ NEC
80461	OPN SKUL/OTH FX W/O COMA	80605	C5-C7 FX-CL/CORD INJ NOS
80462	OPN SKUL/OTH FX-BRF COMA	80606	C5-C7 FX-CL/COM CORD LES
80463	OPN SKUL/OTH FX-MOD COMA	80607	C5-C7 FX-CL/ANT CORD SYN
80464	OPN SKL/OTH FX-PROL COMA	80608	C5-C7 FX-CL/CEN CORD SYN
80465	OPN SKL/OTH FX-DEEP COMA	80609	C5-C7 FX-CL/CORD INJ NEC
80466	OPN SKUL/OTH FX-COMA NOS	80610	C1-C4 FX-OP/CORD INJ NOS
80469	OPN SKULL/OTH FX-CONCUSS	80611	C1-C4 FX-OP/COM CORD LES
80470	OPN SKL/OTH FX/MENIN HEM	80612	C1-C4 FX-OP/ANT CORD SYN
80471	OPN SKUL/OTH FX W/O COMA	80613	C1-C4 FX-OP/CEN CORD SYN
80472	OPN SKUL/OTH FX-BRF COMA	80614	C1-C4 FX-OP/CORD INJ NEC
80473	OPN SKUL/OTH FX-MOD COMA	80615	C5-C7 FX-OP/CORD INJ NOS
80474	OPN SKL/OTH FX-PROL COMA	80616	C5-C7 FX-OP/COM CORD LES
80475	OPN SKL/OTH FX-DEEP COMA	80617	C5-C7 FX-OP/ANT CORD SYN
80476	OPN SKUL/OTH FX-COMA NOS	80618	C5-C7 FX-OP/CEN CORD SYN
80479	OPN SKULL/OTH FX-CONCUSS	80619	C5-C7 FX-OP/CORD INJ NEC
80480	OPN SKL W OTH FX/HEM NEC	8500	CONCUSSION W/O COMA
80481	OPN SKUL/OTH FX W/O COMA	8501	CONCUS-BRIEF COMA <31 MN
80482	OPN SKUL/OTH FX-BRF COMA	85011	CONCUS-BRIEF COMA <31 MN
80483	OPN SKUL/OTH FX-MOD COMA	85012	CONCUS-BRF COMA 31-59 MN
80484	OPN SKL/OTH FX-PROL COMA	8502	CONCUSSION – MODERATE COMA
80485	OPN SKL/OTH FX-DEEP COMA	8503	CONCUSSION-PROLONG COMA
80486	OPN SKUL/OTH FX-COMA NOS	8504	CONCUSSION DEEP COMA
80489	OPN SKULL/OTH FX-CONCUSS	8505	CONCUSSION W COMA NOS

**AHRQ QI™ Version 4.5, Inpatient Quality Indicators #13, Technical Specifications,
Craniotomy Mortality Rate
www.qualityindicators.ahrq.gov**

8509	CONCUSSION NOS	85165	CEREBELL LACER-DEEP COMA
85100	CEREBRAL CORTX CONTUSION	85166	CEREBEL LACERAT-COMA NOS
85101	CORTEX CONTUSION-NO COMA	85169	CEREBEL LACER-CONCUSSION
85102	CORTEX CONTUS-BRIEF COMA	85170	CEREBEL LACER W OPEN WND
85103	CORTEX CONTUS-	85171	OPN CEREBEL LAC W/O COMA
85104	CORTX CONTUS-PROLNG COMA	85172	OPN CEREBEL LAC-BRF COMA
85105	CORTEX CONTUS-DEEP COMA	85173	OPN CEREBEL LAC-MOD COMA
85106	CORTEX CONTUS-COMA NOS	85174	OPN CEREBE LAC-PROL COMA
85109	CORTEX CONTUS-CONCUS NOS	85175	OPN CEREBE LAC-DEEP COMA
85110	CORTEX CONTUSION/OPN WND	85176	OPN CEREBEL LAC-COMA NOS
85111	OPN CORTX CONTUS-NO COMA	85179	OPN CEREBELL LAC-CONCUSS
85112	OPN CORT CONTUS-BRF COMA	85180	BRAIN LACERATION NEC
85113	OPN CORT CONTUS- MOD COMA	85181	BRAIN LACER NEC W/O COMA
85114	OPN CORT CONTU-PROL COMA	85182	BRAIN LAC NEC-BRIEF COMA
85115	OPN CORT CONTU-DEEP COMA	85183	BRAIN LACER NEC-MOD COMA
85116	OPN CORT CONTUS-COMA NOS	85184	BRAIN LAC NEC-PROLN COMA
85119	OPN CORTX CONTUS-CONCUSS	85185	BRAIN LAC NEC-DEEP COMA
85120	CORTEX LACERAT	85186	BRAIN LACER NEC-COMA NOS
85121	CORTEX LACERAT W/O COMA	85189	BRAIN LACER NEC-CONCUSS
85122	CORTEX LACERA-BRIEF COMA	85190	BRAIN LAC NEC W OPEN WND
85123	CORTEX LACERAT-MOD COMA	85191	OPN BRAIN LACER W/O COMA
85124	CORTEX LACERAT-PROL COMA	85192	OPN BRAIN LAC-BRIEF COMA
85125	CORTEX LACERAT-DEEP COMA	85193	OPN BRAIN LACER-MOD COMA
85126	CORTEX LACERAT-COMA NOS	85194	OPN BRAIN LAC-PROLN COMA
85129	CORTEX LACERAT-CONCUSS	85195	OPEN BRAIN LAC-DEEP COMA
85130	CORTEX LACER W OPN WOUND	85196	OPN BRAIN LACER-COMA NOS
85131	OPN CORTX LACER-NO COMA	85199	OPEN BRAIN LACER-CONCUSS
85132	OPN CORTX LAC-BRIEF COMA	85200	TRAUM SUBARACHNOID HEM
85133	OPN CORTX LACER-MOD COMA	85201	SUBARACHNOID HEM-NO COMA
85134	OPN CORTX LAC-PROLN COMA	85202	SUBARACH HEM-BRIEF COMA
85135	OPN CORTEX LAC-DEEP COMA	85203	SUBARACH HEM-MOD COMA
85136	OPN CORTX LACER-COMA NOS	85204	SUBARACH HEM-PROLNG COMA
85139	OPN CORTX LACER-CONCUSS	85205	SUBARACH HEM-DEEP COMA
85140	CEREBEL/BRAIN STM CONTUS	85206	SUBARACH HEM-COMA NOS
85141	CEREBELL CONTUS W/O COMA	85209	SUBARACH HEM-CONCUSSION
85142	CEREBELL CONTUS-BRF COMA	85210	SUBARACH HEM W OPN WOUND
85143	CEREBELL CONTUS-MOD COMA	85211	OPN SUBARACH HEM-NO COMA
85144	CEREBEL CONTUS-PROL COMA	85212	OP SUBARACH HEM-BRF COMA
85145	CEREBEL CONTUS-DEEP COMA	85213	OP SUBARACH HEM-MOD COMA
85146	CEREBELL CONTUS-COMA NOS	85214	OP SUBARACH HEM-PROL COM
85149	CEREBELL CONTUS-CONCUSS	85215	OP SUBARACH HEM-DEEP COM
85150	CEREBEL CONTUS W OPN WND	85216	OP SUBARACH HEM-COMA NOS
85151	OPN CEREBE CONT W/O COMA	85219	OPN SUBARACH HEM-CONCUSS
85152	OPN CEREBE CONT-BRF COMA	85220	TRAUMATIC SUBDURAL HEM
85153	OPN CEREBE CONT-MOD COMA	85221	SUBDURAL HEM W/O COMA
85154	OPN CEREBE CONT-PROL COM	85222	SUBDURAL HEM-BRIEF COMA
85155	OPN CEREBE CONT-DEEP COM	85223	SUBDURAL HEMORR-MOD COMA
85156	OPN CEREBE CONT-COMA NOS	85224	SUBDURAL HEM-PROLNG COMA
85159	OPN CEREBEL CONT-CONCUSS	85225	SUBDURAL HEM-DEEP COMA
85160	CEREBEL/BRAIN STEM LACER	85226	SUBDURAL HEMORR-COMA NOS
85161	CEREBEL LACERAT W/O COMA	85229	SUBDURAL HEM-CONCUSSION
85162	CEREBEL LACER-BRIEF COMA	85230	SUBDURAL HEM W OPN WOUND
85163	CEREBEL LACERAT-MOD COMA	85231	OPEN SUBDUR HEM W/O COMA
85164	CEREBEL LACER-PROLN COMA	85232	OPN SUBDUR HEM-BRF COMA

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85233	OPN SUBDUR HEM-MOD COMA	85409	BRAIN INJ NEC-CONCUSSION
85234	OPN SUBDUR HEM-PROL COMA	85410	BRAIN INJURY W OPN WND
85235	OPN SUBDUR HEM-DEEP COMA	85411	OPN BRAIN INJ W/O COMA
85236	OPN SUBDUR HEM-COMA NOS	85412	OPN BRAIN INJ-BRIEF COMA
85239	OPN SUBDUR HEM-CONCUSS	85413	OPN BRAIN INJ-MOD COMA
85240	TRAUMATIC EXTRADURAL HEM	85414	OPN BRAIN INJ-PROLN COMA
85241	EXTRADURAL HEM W/O COMA	85415	OPN BRAIN INJ-DEEP COMA
85242	EXTRADUR HEM-BRIEF COMA	85416	OPEN BRAIN INJ-COMA NOS
85243	EXTRADURAL HEM-MOD COMA	85419	OPN BRAIN INJ-CONCUSSION
85244	EXTRADUR HEM-PROLN COMA	9500	OPTIC NERVE INJURY
85245	EXTRADURAL HEM-DEEP COMA	9501	INJURY TO OPTIC CHIASM
85246	EXTRADURAL HEM-COMA NOS	9502	INJURY TO OPTIC PATHWAYS
85249	EXTADURAL HEM-CONCUSS	9503	INJURY TO VISUAL CORTEX
85250	EXTRADURAL HEM W OPN WND	9509	INJ OPTIC NERV/PATH NOS
85251	EXTRADURAL HEMOR-NO COMA	9510	INJURY OCULOMOTOR NERVE
85252	EXTRADUR HEM-BRIEF COMA	9511	INJURY TROCHLEAR NERVE
85253	EXTRADURAL HEM-MOD COMA	9512	INJURY TRIGEMINAL NERVE
85254	EXTRADUR HEM-PROLN COMA	9513	INJURY ABDUCENS NERVE
85255	EXTRADUR HEM-DEEP COMA	9514	INJURY TO FACIAL NERVE
85256	EXTRADURAL HEM-COMA NOS	9515	INJURY TO ACOUSTIC NERVE
85259	EXTRADURAL HEM-CONCUSS	9516	INJURY ACCESSORY NERVE
85300	TRAUMATIC BRAIN HEM NEC	9517	INJURY HYPOGLOSSAL NERVE
85301	BRAIN HEM NEC W/O COMA	9518	INJURY CRANIAL NERVE NEC
85302	BRAIN HEM NEC-BRIEF COMA	9519	INJURY CRANIAL NERVE NOS
85303	BRAIN HEM NEC-MOD COMA	95200	C1-C4 SPIN CORD INJ NOS
85304	BRAIN HEM NEC-PROLN COMA	95201	COMPLETE LES CORD/C1-C4
85305	BRAIN HEM NEC-DEEP COMA	95202	ANTERIOR CORD SYND/C1-C4
85306	BRAIN HEM NEC-COMA NOS	95203	CENTRAL CORD SYND/C1-C4
85309	BRAIN HEM NEC-CONCUSSION	95204	C1-C4 SPIN CORD INJ NEC
85310	BRAIN HEM NEC W OPN WND	95205	C5-C7 SPIN CORD INJ NOS
85311	BRAIN HEM OPN W/O COMA	95206	COMPLETE LES CORD/C5-C7
85312	BRAIN HEM OPN-BRF COMA	95207	ANTERIOR CORD SYND/C5-C7
85313	BRAIN HEM OPEN-MOD COMA	95208	CENTRAL CORD SYND/C5-C7
85314	BRAIN HEM OPN-PROLN COMA	95209	C5-C7 SPIN CORD INJ NEC
85315	BRAIN HEM OPEN-DEEP COMA	95210	T1-T6 SPIN CORD INJ NOS
85316	BRAIN HEM OPEN-COMA NOS	95211	COMPLETE LES CORD/T1-T6
85319	BRAIN HEM OPN-CONCUSSION	95212	ANTERIOR CORD SYND/T1-T6
85400	BRAIN INJURY NEC	95213	CENTRAL CORD SYND/T1-T6
85401	BRAIN INJURY NEC-NO COMA	95214	T1-T6 SPIN CORD INJ NEC
85402	BRAIN INJ NEC-BRIEF COMA	95215	T7-T12 SPIN CORD INJ NOS
85403	BRAIN INJ NEC-MOD COMA	95216	COMPLETE LES CORD/T7-T12
85404	BRAIN INJ NEC-PROLN COMA	95217	ANTERIOR CORD SYN/T7-T12
85405	BRAIN INJ NEC-DEEP COMA	95218	CENTRAL CORD SYN/T7-T12
85406	BRAIN INJ NEC-COMA NOS	95219	T7-T12 SPIN CORD INJ NEC

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.