



# **Inpatient Quality Indicator 13 (IQI 13) Craniotomy Mortality Rate**

**March 2017**

**Provider-Level Indicator**

**Type of Score: Rate**

**Prepared by:**

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

[www.qualityindicators.ahrq.gov](http://www.qualityindicators.ahrq.gov)

**DESCRIPTION**

In-hospital deaths per 1,000 discharges with craniotomy, ages 18 years and older. Excludes patients with a principal diagnosis of head trauma and transfers to another short-term 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 an MS-DRG code for craniotomy.

[NOTE: By definition, discharges with an 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 MS-DRG codes: (CRANIO2G)***

020	INTRACRANIAL VASCULAR PROCEDURES W PDX HEMORRHAGE W MCC	026	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W CC
021	INTRACRANIAL VASCULAR PROCEDURES W PDX	027	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W/O
022	INTRACRANIAL VASCULAR PROCEDURES W PDX HEMORRHAGE W/O CC/MCC	031	VENTRICULAR SHUNT PROCEDURES 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 IMPL/ACUTE COMPLEX CNS PDX W/O MCC	033	VENTRICULAR SHUNT PROCEDURES W/O CC/MCC
025	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W MCC		

**DENOMINATOR EXCLUSIONS**

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)

***Head trauma diagnosis codes: (HTRAUID)***

80000	CLOSED SKULL VAULT FX	80433	CL SKL W OTH FX-MOD COMA
80001	CL SKULL VLT FX W/O COMA	80434	CL SKL/OTH FX-PROLN COMA
80002	CL SKULL VLT FX-BRF COMA	80435	CL SKUL/OTH FX-DEEP COMA
80003	CL SKULL VLT FX-MOD COMA	80436	CL SKL W OTH FX-COMA NOS
80004	CL SKL VLT FX-PROLN COMA	80439	CL SKUL W OTH FX-CONCUSS
80005	CL SKUL VLT FX-DEEP COMA	80440	CL SKL/OTH FX/BR INJ NEC
80006	CL SKULL VLT FX-COMA NOS	80441	CL SKL W OTH FX W/O COMA
80009	CL SKL VLT FX-CONCUS NOS	80442	CL SKL W OTH FX-BRF COMA
80010	CL SKL VLT FX/CEREBR LAC	80443	CL SKL W OTH FX-MOD COMA
80011	CL SKULL VLT FX W/O COMA	80444	CL SKL/OTH FX-PROLN COMA
80012	CL SKULL VLT FX-BRF COMA	80445	CL SKUL/OTH FX-DEEP COMA
80013	CL SKULL VLT FX-MOD COMA	80446	CL SKL W OTH FX-COMA NOS
80014	CL SKL VLT FX-PROLN COMA	80449	CL SKUL W OTH FX-CONCUSS
80015	CL SKUL VLT FX-DEEP COMA	80450	OPN SKULL FX/OTH BONE FX
80016	CL SKULL VLT FX-COMA NOS	80451	OPN SKUL/OTH FX W/O COMA
80019	CL SKL VLT FX-CONCUS NOS	80452	OPN SKUL/OTH FX-BRF COMA
80020	CL SKL VLT FX/MENING HEM	80453	OPN SKUL/OTH FX-MOD COMA
80021	CL SKULL VLT FX W/O COMA	80454	OPN SKL/OTH FX-PROL COMA
80022	CL SKULL VLT FX-BRF COMA	80455	OPN SKL/OTH FX-DEEP COMA
80023	CL SKULL VLT FX-MOD COMA	80456	OPN SKUL/OTH FX-COMA NOS
80024	CL SKL VLT FX-PROLN COMA	80459	OPN SKULL/OTH FX-CONCUSS
80025	CL SKUL VLT FX-DEEP COMA	80460	OPN SKL/OTH FX/CEREB LAC
80026	CL SKULL VLT FX-COMA NOS	80461	OPN SKUL/OTH FX W/O COMA
80029	CL SKL VLT FX-CONCUS NOS	80462	OPN SKUL/OTH FX-BRF COMA
80030	CL SKULL VLT FX/HEM NEC	80463	OPN SKUL/OTH FX-MOD COMA
80031	CL SKULL VLT FX W/O COMA	80464	OPN SKL/OTH FX-PROL COMA
80032	CL SKULL VLT FX-BRF COMA	80465	OPN SKL/OTH FX-DEEP COMA
80033	CL SKULL VLT FX-MOD COMA	80466	OPN SKUL/OTH FX-COMA NOS
80034	CL SKL VLT FX-PROLN COMA	80469	OPN SKULL/OTH FX-CONCUSS
80035	CL SKUL VLT FX-DEEP COMA	80470	OPN SKL/OTH FX/MENIN HEM
80036	CL SKULL VLT FX-COMA NOS	80471	OPN SKUL/OTH FX W/O COMA
80039	CL SKL VLT FX-CONCUS NOS	80472	OPN SKUL/OTH FX-BRF COMA
80040	CL SKL VLT FX/BR INJ NEC	80473	OPN SKUL/OTH FX-MOD COMA
80041	CL SKULL VLT FX W/O COMA	80474	OPN SKL/OTH FX-PROL COMA
80042	CL SKULL VLT FX-BRF COMA	80475	OPN SKL/OTH FX-DEEP COMA

80043	CL SKULL VLT FX-MOD COMA	80476	OPN SKUL/OTH FX-COMA NOS
80044	CL SKL VLT FX-PROLN COMA	80479	OPN SKULL/OTH FX-CONCUSS
80045	CL SKUL VLT FX-DEEP COMA	80480	OPN SKL W OTH FX/HEM NEC
80046	CL SKULL VLT FX-COMA NOS	80481	OPN SKUL/OTH FX W/O COMA
80049	CL SKL VLT FX-CONCUS NOS	80482	OPN SKUL/OTH FX-BRF COMA
80050	OPN SKULL VAULT FRACTURE	80483	OPN SKUL/OTH FX-MOD COMA
80051	OPN SKUL VLT FX W/O COMA	80484	OPN SKL/OTH FX-PROL COMA
80052	OPN SKUL VLT FX-BRF COMA	80485	OPN SKL/OTH FX-DEEP COMA
80053	OPN SKUL VLT FX-MOD COMA	80486	OPN SKUL/OTH FX-COMA NOS
80054	OPN SKL VLT FX-PROLN COM	80489	OPN SKULL/OTH FX-CONCUSS
80055	OPN SKL VLT FX-DEEP COMA	80490	OP SKL/OTH FX/BR INJ NEC
80056	OPN SKUL VLT FX-COMA NOS	80491	OPN SKUL/OTH FX W/O COMA
80059	OP SKL VLT FX-CONCUS NOS	80492	OPN SKUL/OTH FX-BRF COMA
80060	OPN SKL VLT FX/CEREB LAC	80493	OPN SKUL/OTH FX-MOD COMA
80061	OPN SKUL VLT FX W/O COMA	80494	OPN SKL/OTH FX-PROL COMA
80062	OPN SKUL VLT FX-BRF COMA	80495	OPN SKL/OTH FX-DEEP COMA
80063	OPN SKUL VLT FX-MOD COMA	80496	OPN SKUL/OTH FX-COMA NOS
80064	OPN SKL VLT FX-PROLN COM	80499	OPN SKULL/OTH FX-CONCUSS
80065	OPN SKL VLT FX-DEEP COMA	80500	FX CERVICAL VERT NOS-CL
80066	OPN SKUL VLT FX-COMA NOS	80501	FX C1 VERTEBRA-CLOSED
80069	OP SKL VLT FX-CONCUS NOS	80502	FX C2 VERTEBRA-CLOSED
80070	OPN SKL VLT FX/MENIN HEM	80503	FX C3 VERTEBRA-CLOSED
80071	OPN SKUL VLT FX W/O COMA	80504	FX C4 VERTEBRA-CLOSED
80072	OPN SKUL VLT FX-BRF COMA	80505	FX C5 VERTEBRA-CLOSED
80073	OPN SKUL VLT FX-MOD COMA	80506	FX C6 VERTEBRA-CLOSED
80074	OPN SKL VLT FX-PROLN COM	80507	FX C7 VERTEBRA-CLOSED
80075	OPN SKL VLT FX-DEEP COMA	80508	FX MULT CERVICAL VERT-CL
80076	OPN SKUL VLT FX-COMA NOS	80510	FX CERVICAL VERT NOS-OPN
80079	OP SKL VLT FX-CONCUS NOS	80511	FX C1 VERTEBRA-OPEN
80080	OPN SKULL VLT FX/HEM NEC	80512	FX C2 VERTEBRA-OPEN
80081	OPN SKUL VLT FX W/O COMA	80513	FX C3 VERTEBRA-OPEN
80082	OPN SKUL VLT FX-BRF COMA	80514	FX C4 VERTEBRA-OPEN
80083	OPN SKUL VLT FX-MOD COMA	80515	FX C5 VERTEBRA-OPEN
80084	OPN SKL VLT FX-PROLN COM	80516	FX C6 VERTEBRA-OPEN
80085	OPN SKL VLT FX-DEEP COMA	80517	FX C7 VERTEBRA-OPEN
80086	OPN SKUL VLT FX-COMA NOS	80518	FX MLT CERVICAL VERT-OPN
80089	OP SKL VLT FX-CONCUS NOS	80600	C1-C4 FX-CL/CORD INJ NOS
80090	OP SKL VLT FX/BR INJ NEC	80601	C1-C4 FX-CL/COM CORD LES
80091	OPN SKUL VLT FX W/O COMA	80602	C1-C4 FX-CL/ANT CORD SYN
80092	OPN SKUL VLT FX-BRF COMA	80603	C1-C4 FX-CL/CEN CORD SYN
80093	OPN SKUL VLT FX-MOD COMA	80604	C1-C4 FX-CL/CORD INJ NEC
80094	OPN SKL VLT FX-PROLN COM	80605	C5-C7 FX-CL/CORD INJ NOS
80095	OP SKUL VLT FX-DEEP COMA	80606	C5-C7 FX-CL/COM CORD LES
80096	OPN SKUL VLT FX-COMA NOS	80607	C5-C7 FX-CL/ANT CORD SYN

80099	OP SKL VLT FX-CONCUS NOS	80608	C5-C7 FX-CL/CEN CORD SYN
80100	CLOS SKULL BASE FRACTURE	80609	C5-C7 FX-CL/CORD INJ NEC
80101	CL SKUL BASE FX W/O COMA	80610	C1-C4 FX-OP/CORD INJ NOS
80102	CL SKUL BASE FX-BRF COMA	80611	C1-C4 FX-OP/COM CORD LES
80103	CL SKUL BASE FX-MOD COMA	80612	C1-C4 FX-OP/ANT CORD SYN
80104	CL SKL BASE FX-PROL COMA	80613	C1-C4 FX-OP/CEN CORD SYN
80105	CL SKL BASE FX-DEEP COMA	80614	C1-C4 FX-OP/CORD INJ NEC
80106	CL SKUL BASE FX-COMA NOS	80615	C5-C7 FX-OP/CORD INJ NOS
80109	CL SKULL BASE FX-CONCUSS	80616	C5-C7 FX-OP/COM CORD LES
80110	CL SKL BASE FX/CEREB LAC	80617	C5-C7 FX-OP/ANT CORD SYN
80111	CL SKUL BASE FX W/O COMA	80618	C5-C7 FX-OP/CEN CORD SYN
80112	CL SKUL BASE FX-BRF COMA	80619	C5-C7 FX-OP/CORD INJ NEC
80113	CL SKUL BASE FX-MOD COMA	8500	CONCUSSION W/O COMA
80114	CL SKL BASE FX-PROL COMA	8501	CONCUSSION-BRIEF COMA
80115	CL SKL BASE FX-DEEP COMA	85011	CONCUS-BRIEF COMA <31 MN
80116	CL SKUL BASE FX-COMA NOS	85012	CONCUS-BRF COMA 31-59 MN
80119	CL SKULL BASE FX-CONCUSS	8502	CONCUSSION-MODERATE COMA
80120	CL SKL BASE FX/MENIN HEM	8503	CONCUSSION-PROLONG COMA
80121	CL SKUL BASE FX W/O COMA	8504	CONCUSSION-DEEP COMA
80122	CL SKUL BASE FX-BRF COMA	8505	CONCUSSION W COMA NOS
80123	CL SKUL BASE FX-MOD COMA	8509	CONCUSSION NOS
80124	CL SKL BASE FX-PROL COMA	85100	CEREBRAL CORTX CONTUSION
80125	CL SKL BASE FX-DEEP COMA	85101	CORTEX CONTUSION-NO COMA
80126	CL SKUL BASE FX-COMA NOS	85102	CORTEX CONTUS-BRIEF COMA
80129	CL SKULL BASE FX-CONCUSS	85103	CORTEX CONTUS-MOD COMA
80130	CL SKULL BASE FX/HEM NEC	85104	CORTX CONTUS-PROLNG COMA
80131	CL SKUL BASE FX W/O COMA	85105	CORTEX CONTUS-DEEP COMA
80132	CL SKUL BASE FX-BRF COMA	85106	CORTEX CONTUS-COMA NOS
80133	CL SKUL BASE FX-MOD COMA	85109	CORTEX CONTUS-CONCUS NOS
80134	CL SKL BASE FX-PROL COMA	85110	CORTEX CONTUSION/OPN WND
80135	CL SKL BASE FX-DEEP COMA	85111	OPN CORTX CONTUS-NO COMA
80136	CL SKUL BASE FX-COMA NOS	85112	OPN CORT CONTUS-BRF COMA
80139	CL SKULL BASE FX-CONCUSS	85113	OPN CORT CONTUS-MOD COMA
80140	CL SK BASE FX/BR INJ NEC	85114	OPN CORT CONTU-PROL COMA
80141	CL SKUL BASE FX W/O COMA	85115	OPN CORT CONTU-DEEP COMA
80142	CL SKUL BASE FX-BRF COMA	85116	OPN CORT CONTUS-COMA NOS
80143	CL SKUL BASE FX-MOD COMA	85119	OPN CORTX CONTUS-CONCUSS
80144	CL SKL BASE FX-PROL COMA	85120	CEREBRAL CORTEX LACERAT
80145	CL SKL BASE FX-DEEP COMA	85121	CORTEX LACERAT W/O COMA
80146	CL SKUL BASE FX-COMA NOS	85122	CORTEX LACERA-BRIEF COMA
80149	CL SKULL BASE FX-CONCUSS	85123	CORTEX LACERAT-MOD COMA
80150	OPEN SKULL BASE FRACTURE	85124	CORTEX LACERAT-PROL COMA
80151	OPN SKL BASE FX W/O COMA	85125	CORTEX LACERAT-DEEP COMA

80152	OPN SKL BASE FX-BRF COMA	85126	CORTEX LACERAT-COMA NOS
80153	OPN SKL BASE FX-MOD COMA	85129	CORTEX LACERAT-CONCUSS
80154	OP SKL BASE FX-PROL COMA	85130	CORTEX LACER W OPN WOUND
80155	OP SKL BASE FX-DEEP COMA	85131	OPN CORTEX LACER-NO COMA
80156	OPN SKL BASE FX-COMA NOS	85132	OPN CORTX LAC-BRIEF COMA
80159	OPN SKUL BASE FX-CONCUSS	85133	OPN CORTX LACER-MOD COMA
80160	OP SKL BASE FX/CEREB LAC	85134	OPN CORTX LAC-PROLN COMA
80161	OPN SKL BASE FX W/O COMA	85135	OPN CORTEX LAC-DEEP COMA
80162	OPN SKL BASE FX-BRF COMA	85136	OPN CORTX LACER-COMA NOS
80163	OPN SKL BASE FX-MOD COMA	85139	OPN CORTX LACER-CONCUSS
80164	OP SKL BASE FX-PROL COMA	85140	CEREBEL/BRAIN STM CONTUS
80165	OP SKL BASE FX-DEEP COMA	85141	CEREBELL CONTUS W/O COMA
80166	OPN SKL BASE FX-COMA NOS	85142	CEREBELL CONTUS-BRF COMA
80169	OPN SKUL BASE FX-CONCUSS	85143	CEREBELL CONTUS-MOD COMA
80170	OP SKL BASE FX/MENIN HEM	85144	CEREBEL CONTUS-PROL COMA
80171	OPN SKL BASE FX W/O COMA	85145	CEREBEL CONTUS-DEEP COMA
80172	OPN SKL BASE FX-BRF COMA	85146	CEREBELL CONTUS-COMA NOS
80173	OPN SKL BASE FX-MOD COMA	85149	CEREBELL CONTUS-CONCUSS
80174	OP SKL BASE FX-PROL COMA	85150	CEREBEL CONTUS W OPN WND
80175	OP SKL BASE FX-DEEP COMA	85151	OPN CEREBE CONT W/O COMA
80176	OPN SKL BASE FX-COMA NOS	85152	OPN CEREBE CONT-BRF COMA
80179	OPN SKUL BASE FX-CONCUSS	85153	OPN CEREBE CONT-MOD COMA
80180	OPN SKUL BASE FX/HEM NEC	85154	OPN CEREBE CONT-PROL COM
80181	OPN SKL BASE FX W/O COMA	85155	OPN CEREBE CONT-DEEP COM
80182	OPN SKL BASE FX-BRF COMA	85156	OPN CEREBE CONT-COMA NOS
80183	OPN SKL BASE FX-MOD COMA	85159	OPN CEREBEL CONT-CONCUSS
80184	OP SKL BASE FX-PROL COMA	85160	CEREBEL/BRAIN STEM LACER
80185	OP SKL BASE FX-DEEP COMA	85161	CEREBEL LACERAT W/O COMA
80186	OPN SKL BASE FX-COMA NOS	85162	CEREBEL LACER-BRIEF COMA
80189	OPN SKUL BASE FX-CONCUSS	85163	CEREBEL LACERAT-MOD COMA
80190	OP SK BASE FX/BR INJ NEC	85164	CEREBEL LACER-PROLN COMA
80191	OP SKUL BASE FX W/O COMA	85165	CEREBELL LACER-DEEP COMA
80192	OPN SKL BASE FX-BRF COMA	85166	CEREBEL LACERAT-COMA NOS
80193	OPN SKL BASE FX-MOD COMA	85169	CEREBEL LACER-CONCUSSION
80194	OP SKL BASE FX-PROL COMA	85170	CEREBEL LACER W OPEN WND
80195	OP SKL BASE FX-DEEP COMA	85171	OPN CEREBEL LAC W/O COMA
80196	OPN SKL BASE FX-COMA NOS	85172	OPN CEREBEL LAC-BRF COMA
80199	OPN SKUL BASE FX-CONCUSS	85173	OPN CEREBEL LAC-MOD COMA
8020	NASAL BONE FX-CLOSED	85174	OPN CEREBE LAC-PROL COMA
8021	NASAL BONE FX-OPEN	85175	OPN CEREBE LAC-DEEP COMA
80220	MANDIBLE FX NOS-CLOSED	85176	OPN CEREBEL LAC-COMA NOS
80221	FX CONDYLL PROC MANDIB-CL	85179	OPN CEREBELL LAC-CONCUSS
80222	SUBCONDYLAR FX MANDIB-CL	85180	BRAIN LACERATION NEC

80223	FX CORON PROC MANDIB-CL	85181	BRAIN LACER NEC W/O COMA
80224	FX RAMUS NOS-CLOSED	85182	BRAIN LAC NEC-BRIEF COMA
80225	FX ANGLE OF JAW-CLOSED	85183	BRAIN LACER NEC-MOD COMA
80226	FX SYMPHY MANDIB BODY-CL	85184	BRAIN LAC NEC-PROLN COMA
80227	FX ALVEOLAR BORD MAND-CL	85185	BRAIN LAC NEC-DEEP COMA
80228	FX MANDIBLE BODY NEC-CL	85186	BRAIN LACER NEC-COMA NOS
80229	MULT FX MANDIBLE-CLOSED	85189	BRAIN LACER NEC-CONCUSS
80230	MANDIBLE FX NOS-OPEN	85190	BRAIN LAC NEC W OPEN WND
80231	FX CONDYL PROC MAND-OPEN	85191	OPN BRAIN LACER W/O COMA
80232	SUBCONDYL FX MANDIB-OPEN	85192	OPN BRAIN LAC-BRIEF COMA
80233	FX CORON PROC MANDIB-OPN	85193	OPN BRAIN LACER-MOD COMA
80234	FX RAMUS NOS-OPEN	85194	OPN BRAIN LAC-PROLN COMA
80235	FX ANGLE OF JAW-OPEN	85195	OPEN BRAIN LAC-DEEP COMA
80236	FX SYMPHY MANDIB BDY-OPN	85196	OPN BRAIN LACER-COMA NOS
80237	FX ALV BORD MAND BDY-OPN	85199	OPEN BRAIN LACER-CONCUSS
80238	FX MANDIBLE BODY NEC-OPN	85200	TRAUM SUBARACHNOID HEM
80239	MULT FX MANDIBLE-OPEN	85201	SUBARACHNOID HEM-NO COMA
8024	FX MALAR/MAXILLARY-CLOSE	85202	SUBARACH HEM-BRIEF COMA
8025	FX MALAR/MAXILLARY-OPEN	85203	SUBARACH HEM-MOD COMA
8026	FX ORBITAL FLOOR-CLOSED	85204	SUBARACH HEM-PROLNG COMA
8027	FX ORBITAL FLOOR-OPEN	85205	SUBARACH HEM-DEEP COMA
8028	FX FACIAL BONE NEC-CLOSE	85206	SUBARACH HEM-COMA NOS
8029	FX FACIAL BONE NEC-OPEN	85209	SUBARACH HEM-CONCUSSION
80300	CLOSE SKULL FRACTURE NEC	85210	SUBARACH HEM W OPN WOUND
80301	CL SKULL FX NEC W/O COMA	85211	OPN SUBARACH HEM-NO COMA
80302	CL SKULL FX NEC-BRF COMA	85212	OP SUBARACH HEM-BRF COMA
80303	CL SKULL FX NEC-MOD COMA	85213	OP SUBARACH HEM-MOD COMA
80304	CL SKL FX NEC-PROLN COMA	85214	OP SUBARACH HEM-PROL COM
80305	CL SKUL FX NEC-DEEP COMA	85215	OP SUBARACH HEM-DEEP COM
80306	CL SKULL FX NEC-COMA NOS	85216	OP SUBARACH HEM-COMA NOS
80309	CL SKULL FX NEC-CONCUSS	85219	OPN SUBARACH HEM-CONCUSS
80310	CL SKL FX NEC/CEREBR LAC	85220	TRAUMATIC SUBDURAL HEM
80311	CL SKULL FX NEC W/O COMA	85221	SUBDURAL HEM W/O COMA
80312	CL SKULL FX NEC-BRF COMA	85222	SUBDURAL HEM-BRIEF COMA
80313	CL SKULL FX NEC-MOD COMA	85223	SUBDURAL HEMORR-MOD COMA
80314	CL SKL FX NEC-PROLN COMA	85224	SUBDURAL HEM-PROLNG COMA
80315	CL SKUL FX NEC-DEEP COMA	85225	SUBDURAL HEM-DEEP COMA
80316	CL SKULL FX NEC-COMA NOS	85226	SUBDURAL HEMORR-COMA NOS
80319	CL SKULL FX NEC-CONCUSS	85229	SUBDURAL HEM-CONCUSSION
80320	CL SKL FX NEC/MENING HEM	85230	SUBDURAL HEM W OPN WOUND
80321	CL SKULL FX NEC W/O COMA	85231	OPEN SUBDUR HEM W/O COMA
80322	CL SKULL FX NEC-BRF COMA	85232	OPN SUBDUR HEM-BRF COMA
80323	CL SKULL FX NEC-MOD COMA	85233	OPN SUBDUR HEM-MOD COMA
80324	CL SKL FX NEC-PROLN COMA	85234	OPN SUBDUR HEM-PROL COMA



80325	CL SKUL FX NEC-DEEP COMA	85235	OPN SUBDUR HEM-DEEP COMA
80326	CL SKULL FX NEC-COMA NOS	85236	OPN SUBDUR HEM-COMA NOS
80329	CL SKULL FX NEC-CONCUSS	85239	OPN SUBDUR HEM-CONCUSS
80330	CL SKULL FX NEC/HEM NEC	85240	TRAUMATIC EXTRADURAL HEM
80331	CL SKULL FX NEC W/O COMA	85241	EXTRADURAL HEM W/O COMA
80332	CL SKULL FX NEC-BRF COMA	85242	EXTRADUR HEM-BRIEF COMA
80333	CL SKULL FX NEC-MOD COMA	85243	EXTRADURAL HEM-MOD COMA
80334	CL SKL FX NEC-PROLN COMA	85244	EXTRADUR HEM-PROLN COMA
80335	CL SKUL FX NEC-DEEP COMA	85245	EXTRADURAL HEM-DEEP COMA
80336	CL SKULL FX NEC-COMA NOS	85246	EXTRADURAL HEM-COMA NOS
80339	CL SKULL FX NEC-CONCUSS	85249	EXTADURAL HEM-CONCUSS
80340	CL SKL FX NEC/BR INJ NEC	85250	EXTRADURAL HEM W OPN WND
80341	CL SKULL FX NEC W/O COMA	85251	EXTRADURAL HEMOR-NO COMA
80342	CL SKULL FX NEC-BRF COMA	85252	EXTRADUR HEM-BRIEF COMA
80343	CL SKULL FX NEC-MOD COMA	85253	EXTRADURAL HEM-MOD COMA
80344	CL SKL FX NEC-PROLN COMA	85254	EXTRADUR HEM-PROLN COMA
80345	CL SKUL FX NEC-DEEP COMA	85255	EXTRADUR HEM-DEEP COMA
80346	CL SKULL FX NEC-COMA NOS	85256	EXTRADURAL HEM-COMA NOS
80349	CL SKULL FX NEC-CONCUSS	85259	EXTRADURAL HEM-CONCUSS
80350	OPEN SKULL FRACTURE NEC	85300	TRAUMATIC BRAIN HEM NEC
80351	OPN SKUL FX NEC W/O COMA	85301	BRAIN HEM NEC W/O COMA
80352	OPN SKUL FX NEC-BRF COMA	85302	BRAIN HEM NEC-BRIEF COMA
80353	OPN SKUL FX NEC-MOD COMA	85303	BRAIN HEM NEC-MOD COMA
80354	OPN SKL FX NEC-PROL COMA	85304	BRAIN HEM NEC-PROLN COMA
80355	OPN SKL FX NEC-DEEP COMA	85305	BRAIN HEM NEC-DEEP COMA
80356	OPN SKUL FX NEC-COMA NOS	85306	BRAIN HEM NEC-COMA NOS
80359	OPN SKULL FX NEC-CONCUSS	85309	BRAIN HEM NEC-CONCUSSION
80360	OPN SKL FX NEC/CEREB LAC	85310	BRAIN HEM NEC W OPN WND
80361	OPN SKUL FX NEC W/O COMA	85311	BRAIN HEM OPN W/O COMA
80362	OPN SKUL FX NEC-BRF COMA	85312	BRAIN HEM OPN-BRF COMA
80363	OPN SKUL FX NEC-MOD COMA	85313	BRAIN HEM OPEN-MOD COMA
80364	OPN SKL FX NEC-PROLN COM	85314	BRAIN HEM OPN-PROLN COMA
80365	OPN SKL FX NEC-DEEP COMA	85315	BRAIN HEM OPEN-DEEP COMA
80366	OPN SKUL FX NEC-COMA NOS	85316	BRAIN HEM OPEN-COMA NOS
80369	OPN SKULL FX NEC-CONCUSS	85319	BRAIN HEM OPN-CONCUSSION
80370	OPN SKL FX NEC/MENIN HEM	85400	BRAIN INJURY NEC
80371	OPN SKUL FX NEC W/O COMA	85401	BRAIN INJURY NEC-NO COMA
80372	OPN SKUL FX NEC-BRF COMA	85402	BRAIN INJ NEC-BRIEF COMA
80373	OPN SKUL FX NEC-MOD COMA	85403	BRAIN INJ NEC-MOD COMA
80374	OPN SKL FX NEC-PROL COMA	85404	BRAIN INJ NEC-PROLN COMA
80375	OPN SKL FX NEC-DEEP COMA	85405	BRAIN INJ NEC-DEEP COMA
80376	OPN SKUL FX NEC-COMA NOS	85406	BRAIN INJ NEC-COMA NOS
80379	OPN SKULL FX NEC-CONCUSS	85409	BRAIN INJ NEC-CONCUSSION
80380	OPN SKULL FX NEC/HEM NEC	85410	BRAIN INJURY W OPN WND

80381	OPN SKUL FX NEC W/O COMA	85411	OPN BRAIN INJ W/O COMA
80382	OPN SKUL FX NEC-BRF COMA	85412	OPN BRAIN INJ-BRIEF COMA
80383	OPN SKUL FX NEC-MOD COMA	85413	OPN BRAIN INJ-MOD COMA
80384	OPN SKL FX NEC-PROL COMA	85414	OPN BRAIN INJ-PROLN COMA
80385	OPN SKL FX NEC-DEEP COMA	85415	OPN BRAIN INJ-DEEP COMA
80386	OPN SKUL FX NEC-COMA NOS	85416	OPEN BRAIN INJ-COMA NOS
80389	OPN SKULL FX NEC-CONCUSS	85419	OPN BRAIN INJ-CONCUSSION
80390	OP SKL FX NEC/BR INJ NEC	9500	OPTIC NERVE INJURY
80391	OPN SKUL FX NEC W/O COMA	9501	INJURY TO OPTIC CHIASM
80392	OPN SKUL FX NEC-BRF COMA	9502	INJURY TO OPTIC PATHWAYS
80393	OPN SKUL FX NEC-MOD COMA	9503	INJURY TO VISUAL CORTEX
80394	OPN SKL FX NEC-PROL COMA	9509	INJ OPTIC NERV/PATH NOS
80395	OPN SKL FX NEC-DEEP COMA	9510	INJURY OCULOMOTOR NERVE
80396	OPN SKUL FX NEC-COMA NOS	9511	INJURY TROCHLEAR NERVE
80399	OPN SKULL FX NEC-CONCUSS	9512	INJURY TRIGEMINAL NERVE
80400	CL SKUL FX W OTH BONE FX	9513	INJURY ABDUCENS NERVE
80401	CL SKL W OTH FX W/O COMA	9514	INJURY TO FACIAL NERVE
80402	CL SKL W OTH FX-BRF COMA	9515	INJURY TO ACOUSTIC NERVE
80403	CL SKL W OTH FX-MOD COMA	9516	INJURY ACCESSORY NERVE
80404	CL SKL/OTH FX-PROLN COMA	9517	INJURY HYPOGLOSSAL NERVE
80405	CL SKUL/OTH FX-DEEP COMA	9518	INJURY CRANIAL NERVE NEC
80406	CL SKL W OTH FX-COMA NOS	9519	INJURY CRANIAL NERVE NOS
80409	CL SKUL W OTH FX-CONCUSS	95200	C1-C4 SPIN CORD INJ NOS
80410	CL SK W OTH FX/CEREB LAC	95201	COMPLETE LES CORD/C1-C4
80411	CL SKL W OTH FX W/O COMA	95202	ANTERIOR CORD SYND/C1-C4
80412	CL SKL W OTH FX-BRF COMA	95203	CENTRAL CORD SYND/C1-C4
80413	CL SKL W OTH FX-MOD COMA	95204	C1-C4 SPIN CORD INJ NEC
80414	CL SKL/OTH FX-PROLN COMA	95205	C5-C7 SPIN CORD INJ NOS
80415	CL SKUL/OTH FX-DEEP COMA	95206	COMPLETE LES CORD/C5-C7
80416	CL SKL W OTH FX-COMA NOS	95207	ANTERIOR CORD SYND/C5-C7
80419	CL SKUL W OTH FX-CONCUSS	95208	CENTRAL CORD SYND/C5-C7
80420	CL SKL/OTH FX/MENING HEM	95209	C5-C7 SPIN CORD INJ NEC
80421	CL SKL W OTH FX W/O COMA	95210	T1-T6 SPIN CORD INJ NOS
80422	CL SKL W OTH FX-BRF COMA	95211	COMPLETE LES CORD/T1-T6
80423	CL SKL W OTH FX-MOD COMA	95212	ANTERIOR CORD SYND/T1-T6
80424	CL SKL/OTH FX-PROLN COMA	95213	CENTRAL CORD SYND/T1-T6
80425	CL SKUL/OTH FX-DEEP COMA	95214	T1-T6 SPIN CORD INJ NEC
80426	CL SKL W OTH FX-COMA NOS	95215	T7-T12 SPIN CORD INJ NOS
80429	CL SKUL W OTH FX-CONCUSS	95216	COMPLETE LES CORD/T7-T12
80430	CL SKUL W OTH FX/HEM NEC	95217	ANTERIOR CORD SYN/T7-T12
80431	CL SKL W OTH FX W/O COMA	95218	CENTRAL CORD SYN/T7-T12
80432	CL SKL W OTH FX-BRF COMA	95219	T7-T12 SPIN CORD INJ NEC