



# **Inpatient Quality Indicator 13 (IQI 13) Craniotomy Mortality Rate June 2018 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 (**CRANIO2G**<sup>\*</sup>).

*[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.]*

## **DENOMINATOR EXCLUSIONS**

Exclude cases:

- with a principal ICD-10-CM diagnosis code for head trauma (***HTRAUID*** \*)
- 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)

\* See below for code list

***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 hemorrhage w CC	027	Craniotomy & endovascular intracranial procedures w/o CC/MCC
022	Intracranial vascular procedures w PDX hemorrhage w/o CC/MCC	031	Ventricular shunt procedures w 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		

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

S020XXA	Fracture of vault of skull, initial encounter for closed fracture	S06376A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S020XXB	Fracture of vault of skull, initial encounter for open fracture	S06377A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter
S02101A	Fracture of base of skull, right side, initial encounter for closed fracture	S06378A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter
S02101B	Fracture of base of skull, right side, initial encounter for open fracture	S06379A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of unspecified duration, initial encounter
S02102A	Fracture of base of skull, left side, initial encounter for closed fracture	S06380A	Contusion, laceration, and hemorrhage of brainstem without loss of consciousness, initial encounter
S02102B	Fracture of base of skull, left side, initial encounter for open fracture	S06381A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 30 minutes or less, initial encounter
S02109A	Fracture of base of skull, unspecified side, initial encounter for closed fracture	S06382A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S02109B	Fracture of base of skull, unspecified side, initial encounter for open fracture	S06383A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S0210XA	Unspecified fracture of base of skull, initial encounter for closed fracture	S06384A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of 6 hours to 24 hours, initial encounter

S0210XB	Unspecified fracture of base of skull, initial encounter for open fracture	S06385A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter
S02110A	Type I occipital condyle fracture, unspecified side, initial encounter for closed fracture	S06386A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S02110B	Type I occipital condyle fracture, unspecified side, initial encounter for open fracture	S06387A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter
S02111A	Type II occipital condyle fracture, unspecified side, initial encounter for closed fracture	S06388A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter
S02111B	Type II occipital condyle fracture, unspecified side, initial encounter for open fracture	S06389A	Contusion, laceration, and hemorrhage of brainstem with loss of consciousness of unspecified duration, initial encounter
S02112A	Type III occipital condyle fracture, unspecified side, initial encounter for closed fracture	S064X0A	Epidural hemorrhage without loss of consciousness, initial encounter
S02112B	Type III occipital condyle fracture, unspecified side, initial encounter for open fracture	S064X1A	Epidural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter
S02113A	Unspecified occipital condyle fracture, initial encounter for closed fracture	S064X2A	Epidural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S02113B	Unspecified occipital condyle fracture, initial encounter for open fracture	S064X3A	Epidural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S02118A	Other fracture of occiput, unspecified side, initial encounter for closed fracture	S064X4A	Epidural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter

S02118B	Other fracture of occiput, unspecified side, initial encounter for open fracture	S064X5A	Epidural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter
S02119A	Unspecified fracture of occiput, initial encounter for closed fracture	S064X6A	Epidural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S02119B	Unspecified fracture of occiput, initial encounter for open fracture	S064X7A	Epidural hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter
S0211AA	Type I occipital condyle fracture, right side, initial encounter for closed fracture	S064X8A	Epidural hemorrhage with loss of consciousness of any duration with death due to other causes prior to regaining consciousness, initial encounter
S0211AB	Type I occipital condyle fracture, right side, initial encounter for open fracture	S064X9A	Epidural hemorrhage with loss of consciousness of unspecified duration, initial encounter
S0211BA	Type I occipital condyle fracture, left side, initial encounter for closed fracture	S065X0A	Traumatic subdural hemorrhage without loss of consciousness, initial encounter
S0211BB	Type I occipital condyle fracture, left side, initial encounter for open fracture	S065X1A	Traumatic subdural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter
S0211CA	Type II occipital condyle fracture, right side, initial encounter for closed fracture	S065X2A	Traumatic subdural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S0211CB	Type II occipital condyle fracture, right side, initial encounter for open fracture	S065X3A	Traumatic subdural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S0211DA	Type II occipital condyle fracture, left side, initial encounter for closed fracture	S065X4A	Traumatic subdural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter
S0211DB	Type II occipital condyle fracture, left side, initial encounter for open fracture	S065X5A	Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter

S0211EA	Type III occipital condyle fracture, right side, initial encounter for closed fracture	S065X6A	Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S0211EB	Type III occipital condyle fracture, right side, initial encounter for open fracture	S065X7A	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to brain injury before regaining consciousness, initial encounter
S0211FA	Type III occipital condyle fracture, left side, initial encounter for closed fracture	S065X8A	Traumatic subdural hemorrhage with loss of consciousness of any duration with death due to other cause before regaining consciousness, initial encounter
S0211FB	Type III occipital condyle fracture, left side, initial encounter for open fracture	S065X9A	Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, initial encounter
S0211GA	Other fracture of occiput, right side, initial encounter for closed fracture	S066X0A	Traumatic subarachnoid hemorrhage without loss of consciousness, initial encounter
S0211GB	Other fracture of occiput, right side, initial encounter for open fracture	S066X1A	Traumatic subarachnoid hemorrhage with loss of consciousness of 30 minutes or less, initial encounter
S0211HA	Other fracture of occiput, left side, initial encounter for closed fracture	S066X2A	Traumatic subarachnoid hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S0211HB	Other fracture of occiput, left side, initial encounter for open fracture	S066X3A	Traumatic subarachnoid hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S0219XA	Other fracture of base of skull, initial encounter for closed fracture	S066X4A	Traumatic subarachnoid hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter
S0219XB	Other fracture of base of skull, initial encounter for open fracture	S066X5A	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter

S022XXA	Fracture of nasal bones, initial encounter for closed fracture	S066X6A	Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S022XXB	Fracture of nasal bones, initial encounter for open fracture	S066X7A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter
S0230XA	Fracture of orbital floor, unspecified side, initial encounter for closed fracture	S066X8A	Traumatic subarachnoid hemorrhage with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter
S0230XB	Fracture of orbital floor, unspecified side, initial encounter for open fracture	S066X9A	Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter
S0231XA	Fracture of orbital floor, right side, initial encounter for closed fracture	S06810A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, initial encounter
S0231XB	Fracture of orbital floor, right side, initial encounter for open fracture	S06811A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, initial encounter
S0232XA	Fracture of orbital floor, left side, initial encounter for closed fracture	S06812A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S0232XB	Fracture of orbital floor, left side, initial encounter for open fracture	S06813A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S023XXA	Fracture of orbital floor, initial encounter for closed fracture	S06814A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, initial encounter



S023XXB	Fracture of orbital floor, initial encounter for open fracture	S06815A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter
S02400A	Malar fracture, unspecified side, initial encounter for closed fracture	S06816A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient sur
S02400B	Malar fracture, unspecified side, initial encounter for open fracture	S06817A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, init
S02401A	Maxillary fracture, unspecified side, initial encounter for closed fracture	S06818A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initi
S02401B	Maxillary fracture, unspecified side, initial encounter for open fracture	S06819A	Injury of right internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, initial encounter
S02402A	Zygomatic fracture, unspecified side, initial encounter for closed fracture	S06820A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified without loss of consciousness, initial encounter
S02402B	Zygomatic fracture, unspecified side, initial encounter for open fracture	S06821A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 30 minutes or less, initial encounter
S0240AA	Malar fracture, right side, initial encounter for closed fracture	S06822A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 31 minutes to 59 minutes, initial encounter

S0240AB	Malar fracture, right side, initial encounter for open fracture	S06823A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S0240BA	Malar fracture, left side, initial encounter for closed fracture	S06824A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of 6 hours to 24 hours, initial encounter
S0240BB	Malar fracture, left side, initial encounter for open fracture	S06825A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter
S0240CA	Maxillary fracture, right side, initial encounter for closed fracture	S06826A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surv
S0240CB	Maxillary fracture, right side, initial encounter for open fracture	S06827A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initi
S0240DA	Maxillary fracture, left side, initial encounter for closed fracture	S06828A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initia
S0240DB	Maxillary fracture, left side, initial encounter for open fracture	S06829A	Injury of left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness of unspecified duration, initial encounter
S0240EA	Zygomatic fracture, right side, initial encounter for closed fracture	S06890A	Other specified intracranial injury without loss of consciousness, initial encounter

S0240EB	Zygomatic fracture, right side, initial encounter for open fracture	S06891A	Other specified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter
S0240FA	Zygomatic fracture, left side, initial encounter for closed fracture	S06892A	Other specified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S0240FB	Zygomatic fracture, left side, initial encounter for open fracture	S06893A	Other specified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S02411A	LeFort I fracture, initial encounter for closed fracture	S06894A	Other specified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter
S02411B	LeFort I fracture, initial encounter for open fracture	S06895A	Other specified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter
S02412A	LeFort II fracture, initial encounter for closed fracture	S06896A	Other specified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S02412B	LeFort II fracture, initial encounter for open fracture	S06897A	Other specified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter
S02413A	LeFort III fracture, initial encounter for closed fracture	S06898A	Other specified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter
S02413B	LeFort III fracture, initial encounter for open fracture	S06899A	Other specified intracranial injury with loss of consciousness of unspecified duration, initial encounter
S0242XA	Fracture of alveolus of maxilla, initial encounter for closed fracture	S069X0A	Unspecified intracranial injury without loss of consciousness, initial encounter
S0242XB	Fracture of alveolus of maxilla, initial encounter for open fracture	S069X1A	Unspecified intracranial injury with loss of consciousness of 30 minutes or less, initial encounter

S02600A	Fracture of unspecified part of body of mandible, unspecified side, initial encounter for closed fracture	S069X2A	Unspecified intracranial injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S02600B	Fracture of unspecified part of body of mandible, unspecified side, initial encounter for open fracture	S069X3A	Unspecified intracranial injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S02601A	Fracture of unspecified part of body of right mandible, initial encounter for closed fracture	S069X4A	Unspecified intracranial injury with loss of consciousness of 6 hours to 24 hours, initial encounter
S02601B	Fracture of unspecified part of body of right mandible, initial encounter for open fracture	S069X5A	Unspecified intracranial injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter
S02602A	Fracture of unspecified part of body of left mandible, initial encounter for closed fracture	S069X6A	Unspecified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S02602B	Fracture of unspecified part of body of left mandible, initial encounter for open fracture	S069X7A	Unspecified intracranial injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter
S02609A	Fracture of mandible, unspecified, initial encounter for closed fracture	S069X8A	Unspecified intracranial injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter
S02609B	Fracture of mandible, unspecified, initial encounter for open fracture	S069X9A	Unspecified intracranial injury with loss of consciousness of unspecified duration, initial encounter
S02610A	Fracture of condylar process of mandible, unspecified side, initial encounter for closed fracture	S12000A	Unspecified displaced fracture of first cervical vertebra, initial encounter for closed fracture
S02610B	Fracture of condylar process of mandible, unspecified side, initial encounter for open fracture	S12000B	Unspecified displaced fracture of first cervical vertebra, initial encounter for open fracture
S02611A	Fracture of condylar process of right mandible, initial encounter for closed fracture	S12001A	Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture
S02611B	Fracture of condylar process of right mandible, initial encounter for open fracture	S12001B	Unspecified nondisplaced fracture of first cervical vertebra, initial encounter for open fracture

S02612A	Fracture of condylar process of left mandible, initial encounter for closed fracture	S1201XA	Stable burst fracture of first cervical vertebra, initial encounter for closed fracture
S02612B	Fracture of condylar process of left mandible, initial encounter for open fracture	S1201XB	Stable burst fracture of first cervical vertebra, initial encounter for open fracture
S0261XA	Fracture of condylar process of mandible, initial encounter for closed fracture	S1202XA	Unstable burst fracture of first cervical vertebra, initial encounter for closed fracture
S0261XB	Fracture of condylar process of mandible, initial encounter for open fracture	S1202XB	Unstable burst fracture of first cervical vertebra, initial encounter for open fracture
S02620A	Fracture of subcondylar process of mandible, unspecified side, initial encounter for closed fracture	S12030A	Displaced posterior arch fracture of first cervical vertebra, initial encounter for closed fracture
S02620B	Fracture of subcondylar process of mandible, unspecified side, initial encounter for open fracture	S12030B	Displaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture
S02621A	Fracture of subcondylar process of right mandible, initial encounter for closed fracture	S12031A	Nondisplaced posterior arch fracture of first cervical vertebra, initial encounter for closed fracture
S02621B	Fracture of subcondylar process of right mandible, initial encounter for open fracture	S12031B	Nondisplaced posterior arch fracture of first cervical vertebra, initial encounter for open fracture
S02622A	Fracture of subcondylar process of left mandible, initial encounter for closed fracture	S12040A	Displaced lateral mass fracture of first cervical vertebra, initial encounter for closed fracture
S02622B	Fracture of subcondylar process of left mandible, initial encounter for open fracture	S12040B	Displaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture
S0262XA	Fracture of subcondylar process of mandible, initial encounter for closed fracture	S12041A	Nondisplaced lateral mass fracture of first cervical vertebra, initial encounter for closed fracture
S0262XB	Fracture of subcondylar process of mandible, initial encounter for open fracture	S12041B	Nondisplaced lateral mass fracture of first cervical vertebra, initial encounter for open fracture
S02630A	Fracture of coronoid process of mandible, unspecified side, initial encounter for closed fracture	S12090A	Other displaced fracture of first cervical vertebra, initial encounter for closed fracture
S02630B	Fracture of coronoid process of mandible, unspecified side, initial encounter for open fracture	S12090B	Other displaced fracture of first cervical vertebra, initial encounter for open fracture

S02631A	Fracture of coronoid process of right mandible, initial encounter for closed fracture	S12091A	Other nondisplaced fracture of first cervical vertebra, initial encounter for closed fracture
S02631B	Fracture of coronoid process of right mandible, initial encounter for open fracture	S12091B	Other nondisplaced fracture of first cervical vertebra, initial encounter for open fracture
S02632A	Fracture of coronoid process of left mandible, initial encounter for closed fracture	S12100A	Unspecified displaced fracture of second cervical vertebra, initial encounter for closed fracture
S02632B	Fracture of coronoid process of left mandible, initial encounter for open fracture	S12100B	Unspecified displaced fracture of second cervical vertebra, initial encounter for open fracture
S0263XA	Fracture of coronoid process of mandible, initial encounter for closed fracture	S12101A	Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture
S0263XB	Fracture of coronoid process of mandible, initial encounter for open fracture	S12101B	Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for open fracture
S02640A	Fracture of ramus of mandible, unspecified side, initial encounter for closed fracture	S12110A	Anterior displaced Type II dens fracture, initial encounter for closed fracture
S02640B	Fracture of ramus of mandible, unspecified side, initial encounter for open fracture	S12110B	Anterior displaced Type II dens fracture, initial encounter for open fracture
S02641A	Fracture of ramus of right mandible, initial encounter for closed fracture	S12111A	Posterior displaced Type II dens fracture, initial encounter for closed fracture
S02641B	Fracture of ramus of right mandible, initial encounter for open fracture	S12111B	Posterior displaced Type II dens fracture, initial encounter for open fracture
S02642A	Fracture of ramus of left mandible, initial encounter for closed fracture	S12112A	Nondisplaced Type II dens fracture, initial encounter for closed fracture
S02642B	Fracture of ramus of left mandible, initial encounter for open fracture	S12112B	Nondisplaced Type II dens fracture, initial encounter for open fracture
S0264XA	Fracture of ramus of mandible, initial encounter for closed fracture	S12120A	Other displaced dens fracture, initial encounter for closed fracture
S0264XB	Fracture of ramus of mandible, initial encounter for open fracture	S12120B	Other displaced dens fracture, initial encounter for open fracture
S02650A	Fracture of angle of mandible, unspecified side, initial encounter for closed fracture	S12121A	Other nondisplaced dens fracture, initial encounter for closed fracture
S02650B	Fracture of angle of mandible, unspecified side, initial encounter for open fracture	S12121B	Other nondisplaced dens fracture, initial encounter for open fracture

S02651A	Fracture of angle of right mandible, initial encounter for closed fracture	S12130A	Unspecified traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture
S02651B	Fracture of angle of right mandible, initial encounter for open fracture	S12130B	Unspecified traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture
S02652A	Fracture of angle of left mandible, initial encounter for closed fracture	S12131A	Unspecified traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture
S02652B	Fracture of angle of left mandible, initial encounter for open fracture	S12131B	Unspecified traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture
S0265XA	Fracture of angle of mandible, initial encounter for closed fracture	S1214XA	Type III traumatic spondylolisthesis of second cervical vertebra, initial encounter for closed fracture
S0265XB	Fracture of angle of mandible, initial encounter for open fracture	S1214XB	Type III traumatic spondylolisthesis of second cervical vertebra, initial encounter for open fracture
S0266XA	Fracture of symphysis of mandible, initial encounter for closed fracture	S12150A	Other traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture
S0266XB	Fracture of symphysis of mandible, initial encounter for open fracture	S12150B	Other traumatic displaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture
S02670A	Fracture of alveolus of mandible, unspecified side, initial encounter for closed fracture	S12151A	Other traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for closed fracture
S02670B	Fracture of alveolus of mandible, unspecified side, initial encounter for open fracture	S12151B	Other traumatic nondisplaced spondylolisthesis of second cervical vertebra, initial encounter for open fracture
S02671A	Fracture of alveolus of right mandible, initial encounter for closed fracture	S12190A	Other displaced fracture of second cervical vertebra, initial encounter for closed fracture
S02671B	Fracture of alveolus of right mandible, initial encounter for open fracture	S12190B	Other displaced fracture of second cervical vertebra, initial encounter for open fracture

S02672A	Fracture of alveolus of left mandible, initial encounter for closed fracture	S12191A	Other nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture
S02672B	Fracture of alveolus of left mandible, initial encounter for open fracture	S12191B	Other nondisplaced fracture of second cervical vertebra, initial encounter for open fracture
S0267XA	Fracture of alveolus of mandible, initial encounter for closed fracture	S12200A	Unspecified displaced fracture of third cervical vertebra, initial encounter for closed fracture
S0267XB	Fracture of alveolus of mandible, initial encounter for open fracture	S12200B	Unspecified displaced fracture of third cervical vertebra, initial encounter for open fracture
S0269XA	Fracture of mandible of other specified site, initial encounter for closed fracture	S12201A	Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture
S0269XB	Fracture of mandible of other specified site, initial encounter for open fracture	S12201B	Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for open fracture
S0280XA	Fracture of other specified skull and facial bones, unspecified side, initial encounter for closed fracture	S12230A	Unspecified traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture
S0280XB	Fracture of other specified skull and facial bones, unspecified side, initial encounter for open fracture	S12230B	Unspecified traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture
S0281XA	Fracture of other specified skull and facial bones, right side, initial encounter for closed fracture	S12231A	Unspecified traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture
S0281XB	Fracture of other specified skull and facial bones, right side, initial encounter for open fracture	S12231B	Unspecified traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture
S0282XA	Fracture of other specified skull and facial bones, left side, initial encounter for closed fracture	S1224XA	Type III traumatic spondylolisthesis of third cervical vertebra, initial encounter for closed fracture
S0282XB	Fracture of other specified skull and facial bones, left side, initial encounter for open fracture	S1224XB	Type III traumatic spondylolisthesis of third cervical vertebra, initial encounter for open fracture
S028XXA	Fractures of other specified skull and facial bones, initial encounter for closed fracture	S12250A	Other traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture



S028XXB	Fractures of other specified skull and facial bones, initial encounter for open fracture	S12250B	Other traumatic displaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture
S0291XA	Unspecified fracture of skull, initial encounter for closed fracture	S12251A	Other traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for closed fracture
S0291XB	Unspecified fracture of skull, initial encounter for open fracture	S12251B	Other traumatic nondisplaced spondylolisthesis of third cervical vertebra, initial encounter for open fracture
S0292XA	Unspecified fracture of facial bones, initial encounter for closed fracture	S12290A	Other displaced fracture of third cervical vertebra, initial encounter for closed fracture
S0292XB	Unspecified fracture of facial bones, initial encounter for open fracture	S12290B	Other displaced fracture of third cervical vertebra, initial encounter for open fracture
S04011A	Injury of optic nerve, right eye, initial encounter	S12291A	Other nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture
S04012A	Injury of optic nerve, left eye, initial encounter	S12291B	Other nondisplaced fracture of third cervical vertebra, initial encounter for open fracture
S04019A	Injury of optic nerve, unspecified eye, initial encounter	S12300A	Unspecified displaced fracture of fourth cervical vertebra, initial encounter for closed fracture
S0402XA	Injury of optic chiasm, initial encounter	S12300B	Unspecified displaced fracture of fourth cervical vertebra, initial encounter for open fracture
S04031A	Injury of optic tract and pathways, right eye, initial encounter	S12301A	Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture
S04032A	Injury of optic tract and pathways, left eye, initial encounter	S12301B	Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture
S04039A	Injury of optic tract and pathways, unspecified eye, initial encounter	S12330A	Unspecified traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture
S04041A	Injury of visual cortex, right eye, initial encounter	S12330B	Unspecified traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture

S04042A	Injury of visual cortex, left eye, initial encounter	S12331A	Unspecified traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture
S04049A	Injury of visual cortex, unspecified eye, initial encounter	S12331B	Unspecified traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture
S0410XA	Injury of oculomotor nerve, unspecified side, initial encounter	S1234XA	Type III traumatic spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture
S0411XA	Injury of oculomotor nerve, right side, initial encounter	S1234XB	Type III traumatic spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture
S0412XA	Injury of oculomotor nerve, left side, initial encounter	S12350A	Other traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture
S0420XA	Injury of trochlear nerve, unspecified side, initial encounter	S12350B	Other traumatic displaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture
S0421XA	Injury of trochlear nerve, right side, initial encounter	S12351A	Other traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for closed fracture
S0422XA	Injury of trochlear nerve, left side, initial encounter	S12351B	Other traumatic nondisplaced spondylolisthesis of fourth cervical vertebra, initial encounter for open fracture
S0430XA	Injury of trigeminal nerve, unspecified side, initial encounter	S12390A	Other displaced fracture of fourth cervical vertebra, initial encounter for closed fracture
S0431XA	Injury of trigeminal nerve, right side, initial encounter	S12390B	Other displaced fracture of fourth cervical vertebra, initial encounter for open fracture
S0432XA	Injury of trigeminal nerve, left side, initial encounter	S12391A	Other nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture
S0440XA	Injury of abducent nerve, unspecified side, initial encounter	S12391B	Other nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture

S0441XA	Injury of abducent nerve, right side, initial encounter	S12400A	Unspecified displaced fracture of fifth cervical vertebra, initial encounter for closed fracture
S0442XA	Injury of abducent nerve, left side, initial encounter	S12400B	Unspecified displaced fracture of fifth cervical vertebra, initial encounter for open fracture
S0450XA	Injury of facial nerve, unspecified side, initial encounter	S12401A	Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture
S0451XA	Injury of facial nerve, right side, initial encounter	S12401B	Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture
S0452XA	Injury of facial nerve, left side, initial encounter	S12430A	Unspecified traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture
S0460XA	Injury of acoustic nerve, unspecified side, initial encounter	S12430B	Unspecified traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture
S0461XA	Injury of acoustic nerve, right side, initial encounter	S12431A	Unspecified traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture
S0462XA	Injury of acoustic nerve, left side, initial encounter	S12431B	Unspecified traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture
S0470XA	Injury of accessory nerve, unspecified side, initial encounter	S1244XA	Type III traumatic spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture
S0471XA	Injury of accessory nerve, right side, initial encounter	S1244XB	Type III traumatic spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture
S0472XA	Injury of accessory nerve, left side, initial encounter	S12450A	Other traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture
S04811A	Injury of olfactory [1st ] nerve, right side, initial encounter	S12450B	Other traumatic displaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture

S04812A	Injury of olfactory [1st ] nerve, left side, initial encounter	S12451A	Other traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for closed fracture
S04819A	Injury of olfactory [1st ] nerve, unspecified side, initial encounter	S12451B	Other traumatic nondisplaced spondylolisthesis of fifth cervical vertebra, initial encounter for open fracture
S04891A	Injury of other cranial nerves, right side, initial encounter	S12490A	Other displaced fracture of fifth cervical vertebra, initial encounter for closed fracture
S04892A	Injury of other cranial nerves, left side, initial encounter	S12490B	Other displaced fracture of fifth cervical vertebra, initial encounter for open fracture
S04899A	Injury of other cranial nerves, unspecified side, initial encounter	S12491A	Other nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture
S049XXA	Injury of unspecified cranial nerve, initial encounter	S12491B	Other nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture
S060X0A	Concussion without loss of consciousness, initial encounter	S12500A	Unspecified displaced fracture of sixth cervical vertebra, initial encounter for closed fracture
S060X1A	Concussion with loss of consciousness of 30 minutes or less, initial encounter	S12500B	Unspecified displaced fracture of sixth cervical vertebra, initial encounter for open fracture
S060X2A	Concussion with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S12501A	Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture
S060X3A	Concussion with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	S12501B	Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture
S060X4A	Concussion with loss of consciousness of 6 hours to 24 hours, initial encounter	S12530A	Unspecified traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture
S060X5A	Concussion with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S12530B	Unspecified traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture

S060X6A	Concussion with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S12531A	Unspecified traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture
S060X7A	Concussion with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S12531B	Unspecified traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture
S060X8A	Concussion with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S1254XA	Type III traumatic spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture
S060X9A	Concussion with loss of consciousness of unspecified duration, initial encounter	S1254XB	Type III traumatic spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture
S061X0A	Traumatic cerebral edema without loss of consciousness, initial encounter	S12550A	Other traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture
S061X1A	Traumatic cerebral edema with loss of consciousness of 30 minutes or less, initial encounter	S12550B	Other traumatic displaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture
S061X2A	Traumatic cerebral edema with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S12551A	Other traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for closed fracture
S061X3A	Traumatic cerebral edema with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	S12551B	Other traumatic nondisplaced spondylolisthesis of sixth cervical vertebra, initial encounter for open fracture
S061X4A	Traumatic cerebral edema with loss of consciousness of 6 hours to 24 hours, initial encounter	S12590A	Other displaced fracture of sixth cervical vertebra, initial encounter for closed fracture
S061X5A	Traumatic cerebral edema with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S12590B	Other displaced fracture of sixth cervical vertebra, initial encounter for open fracture

S061X6A	Traumatic cerebral edema with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S12591A	Other nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture
S061X7A	Traumatic cerebral edema with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S12591B	Other nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture
S061X8A	Traumatic cerebral edema with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S12600A	Unspecified displaced fracture of seventh cervical vertebra, initial encounter for closed fracture
S061X9A	Traumatic cerebral edema with loss of consciousness of unspecified duration, initial encounter	S12600B	Unspecified displaced fracture of seventh cervical vertebra, initial encounter for open fracture
S062X0A	Diffuse traumatic brain injury without loss of consciousness, initial encounter	S12601A	Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture
S062X1A	Diffuse traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	S12601B	Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture
S062X2A	Diffuse traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S12630A	Unspecified traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture
S062X3A	Diffuse traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	S12630B	Unspecified traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture
S062X4A	Diffuse traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	S12631A	Unspecified traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture
S062X5A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels, initial encounter	S12631B	Unspecified traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture

S062X6A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S1264XA	Type III traumatic spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture
S062X7A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S1264XB	Type III traumatic spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture
S062X8A	Diffuse traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S12650A	Other traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture
S062X9A	Diffuse traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	S12650B	Other traumatic displaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture
S06300A	Unspecified focal traumatic brain injury without loss of consciousness, initial encounter	S12651A	Other traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for closed fracture
S06301A	Unspecified focal traumatic brain injury with loss of consciousness of 30 minutes or less, initial encounter	S12651B	Other traumatic nondisplaced spondylolisthesis of seventh cervical vertebra, initial encounter for open fracture
S06302A	Unspecified focal traumatic brain injury with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S12690A	Other displaced fracture of seventh cervical vertebra, initial encounter for closed fracture
S06303A	Unspecified focal traumatic brain injury with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	S12690B	Other displaced fracture of seventh cervical vertebra, initial encounter for open fracture
S06304A	Unspecified focal traumatic brain injury with loss of consciousness of 6 hours to 24 hours, initial encounter	S12691A	Other nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture
S06305A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S12691B	Other nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture

S06306A	Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S129XXA	Fracture of neck, unspecified, initial encounter
S06307A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S140XXA	Concussion and edema of cervical spinal cord, initial encounter
S06308A	Unspecified focal traumatic brain injury with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S14101A	Unspecified injury at C1 level of cervical spinal cord, initial encounter
S06309A	Unspecified focal traumatic brain injury with loss of consciousness of unspecified duration, initial encounter	S14102A	Unspecified injury at C2 level of cervical spinal cord, initial encounter
S06310A	Contusion and laceration of right cerebrum without loss of consciousness, initial encounter	S14103A	Unspecified injury at C3 level of cervical spinal cord, initial encounter
S06311A	Contusion and laceration of right cerebrum with loss of consciousness of 30 minutes or less, initial encounter	S14104A	Unspecified injury at C4 level of cervical spinal cord, initial encounter
S06312A	Contusion and laceration of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S14105A	Unspecified injury at C5 level of cervical spinal cord, initial encounter
S06313A	Contusion and laceration of right cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	S14106A	Unspecified injury at C6 level of cervical spinal cord, initial encounter
S06314A	Contusion and laceration of right cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	S14107A	Unspecified injury at C7 level of cervical spinal cord, initial encounter
S06315A	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S14108A	Unspecified injury at C8 level of cervical spinal cord, initial encounter



S06316A	Contusion and laceration of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S14111A	Complete lesion at C1 level of cervical spinal cord, initial encounter
S06317A	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S14112A	Complete lesion at C2 level of cervical spinal cord, initial encounter
S06318A	Contusion and laceration of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S14113A	Complete lesion at C3 level of cervical spinal cord, initial encounter
S06319A	Contusion and laceration of right cerebrum with loss of consciousness of unspecified duration, initial encounter	S14114A	Complete lesion at C4 level of cervical spinal cord, initial encounter
S06320A	Contusion and laceration of left cerebrum without loss of consciousness, initial encounter	S14115A	Complete lesion at C5 level of cervical spinal cord, initial encounter
S06321A	Contusion and laceration of left cerebrum with loss of consciousness of 30 minutes or less, initial encounter	S14116A	Complete lesion at C6 level of cervical spinal cord, initial encounter
S06322A	Contusion and laceration of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S14117A	Complete lesion at C7 level of cervical spinal cord, initial encounter
S06323A	Contusion and laceration of left cerebrum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	S14118A	Complete lesion at C8 level of cervical spinal cord, initial encounter
S06324A	Contusion and laceration of left cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	S14121A	Central cord syndrome at C1 level of cervical spinal cord, initial encounter
S06325A	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S14122A	Central cord syndrome at C2 level of cervical spinal cord, initial encounter

S06326A	Contusion and laceration of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S14123A	Central cord syndrome at C3 level of cervical spinal cord, initial encounter
S06327A	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S14124A	Central cord syndrome at C4 level of cervical spinal cord, initial encounter
S06328A	Contusion and laceration of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S14125A	Central cord syndrome at C5 level of cervical spinal cord, initial encounter
S06329A	Contusion and laceration of left cerebrum with loss of consciousness of unspecified duration, initial encounter	S14126A	Central cord syndrome at C6 level of cervical spinal cord, initial encounter
S06330A	Contusion and laceration of cerebrum, unspecified, without loss of consciousness, initial encounter	S14127A	Central cord syndrome at C7 level of cervical spinal cord, initial encounter
S06331A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter	S14128A	Central cord syndrome at C8 level of cervical spinal cord, initial encounter
S06332A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S14131A	Anterior cord syndrome at C1 level of cervical spinal cord, initial encounter
S06333A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	S14132A	Anterior cord syndrome at C2 level of cervical spinal cord, initial encounter
S06334A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter	S14133A	Anterior cord syndrome at C3 level of cervical spinal cord, initial encounter
S06335A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S14134A	Anterior cord syndrome at C4 level of cervical spinal cord, initial encounter

S06336A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S14135A	Anterior cord syndrome at C5 level of cervical spinal cord, initial encounter
S06337A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S14136A	Anterior cord syndrome at C6 level of cervical spinal cord, initial encounter
S06338A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S14137A	Anterior cord syndrome at C7 level of cervical spinal cord, initial encounter
S06339A	Contusion and laceration of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter	S14138A	Anterior cord syndrome at C8 level of cervical spinal cord, initial encounter
S06340A	Traumatic hemorrhage of right cerebrum without loss of consciousness, initial encounter	S14141A	Brown-Sequard syndrome at C1 level of cervical spinal cord, initial encounter
S06341A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 30 minutes or less, initial encounter	S14142A	Brown-Sequard syndrome at C2 level of cervical spinal cord, initial encounter
S06342A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S14143A	Brown-Sequard syndrome at C3 level of cervical spinal cord, initial encounter
S06343A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	S14144A	Brown-Sequard syndrome at C4 level of cervical spinal cord, initial encounter
S06344A	Traumatic hemorrhage of right cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	S14145A	Brown-Sequard syndrome at C5 level of cervical spinal cord, initial encounter

S06345A	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S14146A	Brown-Sequard syndrome at C6 level of cervical spinal cord, initial encounter
S06346A	Traumatic hemorrhage of right cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S14147A	Brown-Sequard syndrome at C7 level of cervical spinal cord, initial encounter
S06347A	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S14148A	Brown-Sequard syndrome at C8 level of cervical spinal cord, initial encounter
S06348A	Traumatic hemorrhage of right cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S14151A	Other incomplete lesion at C1 level of cervical spinal cord, initial encounter
S06349A	Traumatic hemorrhage of right cerebrum with loss of consciousness of unspecified duration, initial encounter	S14152A	Other incomplete lesion at C2 level of cervical spinal cord, initial encounter
S06350A	Traumatic hemorrhage of left cerebrum without loss of consciousness, initial encounter	S14153A	Other incomplete lesion at C3 level of cervical spinal cord, initial encounter
S06351A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 30 minutes or less, initial encounter	S14154A	Other incomplete lesion at C4 level of cervical spinal cord, initial encounter
S06352A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S14155A	Other incomplete lesion at C5 level of cervical spinal cord, initial encounter
S06353A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	S14156A	Other incomplete lesion at C6 level of cervical spinal cord, initial encounter
S06354A	Traumatic hemorrhage of left cerebrum with loss of consciousness of 6 hours to 24 hours, initial encounter	S14157A	Other incomplete lesion at C7 level of cervical spinal cord, initial encounter

S06355A	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S14158A	Other incomplete lesion at C8 level of cervical spinal cord, initial encounter
S06356A	Traumatic hemorrhage of left cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S240XXA	Concussion and edema of thoracic spinal cord, initial encounter
S06357A	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S24101A	Unspecified injury at T1 level of thoracic spinal cord, initial encounter
S06358A	Traumatic hemorrhage of left cerebrum with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S24102A	Unspecified injury at T2-T6 level of thoracic spinal cord, initial encounter
S06359A	Traumatic hemorrhage of left cerebrum with loss of consciousness of unspecified duration, initial encounter	S24103A	Unspecified injury at T7-T10 level of thoracic spinal cord, initial encounter
S06360A	Traumatic hemorrhage of cerebrum, unspecified, without loss of consciousness, initial encounter	S24104A	Unspecified injury at T11-T12 level of thoracic spinal cord, initial encounter
S06361A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 30 minutes or less, initial encounter	S24111A	Complete lesion at T1 level of thoracic spinal cord, initial encounter
S06362A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S24112A	Complete lesion at T2-T6 level of thoracic spinal cord, initial encounter
S06363A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 1 hours to 5 hours 59 minutes, initial encounter	S24113A	Complete lesion at T7-T10 level of thoracic spinal cord, initial encounter
S06364A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of 6 hours to 24 hours, initial encounter	S24114A	Complete lesion at T11-T12 level of thoracic spinal cord, initial encounter

S06365A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S24131A	Anterior cord syndrome at T1 level of thoracic spinal cord, initial encounter
S06366A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter	S24132A	Anterior cord syndrome at T2-T6 level of thoracic spinal cord, initial encounter
S06367A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to brain injury prior to regaining consciousness, initial encounter	S24133A	Anterior cord syndrome at T7-T10 level of thoracic spinal cord, initial encounter
S06368A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of any duration with death due to other cause prior to regaining consciousness, initial encounter	S24134A	Anterior cord syndrome at T11-T12 level of thoracic spinal cord, initial encounter
S06369A	Traumatic hemorrhage of cerebrum, unspecified, with loss of consciousness of unspecified duration, initial encounter	S24141A	Brown-Sequard syndrome at T1 level of thoracic spinal cord, initial encounter
S06370A	Contusion, laceration, and hemorrhage of cerebellum without loss of consciousness, initial encounter	S24142A	Brown-Sequard syndrome at T2-T6 level of thoracic spinal cord, initial encounter
S06371A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 30 minutes or less, initial encounter	S24143A	Brown-Sequard syndrome at T7-T10 level of thoracic spinal cord, initial encounter
S06372A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 31 minutes to 59 minutes, initial encounter	S24144A	Brown-Sequard syndrome at T11-T12 level of thoracic spinal cord, initial encounter
S06373A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter	S24151A	Other incomplete lesion at T1 level of thoracic spinal cord, initial encounter

S06374A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness of 6 hours to 24 hours, initial encounter	S24152A	Other incomplete lesion at T2-T6 level of thoracic spinal cord, initial encounter
S06375A	Contusion, laceration, and hemorrhage of cerebellum with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter	S24153A	Other incomplete lesion at T7-T10 level of thoracic spinal cord, initial encounter
		S24154A	Other incomplete lesion at T11-T12 level of thoracic spinal cord, initial encounter