

TRAUMATIC BRAIN INJURY (TBI)

Department of War Standard Surveillance Case Definition for TBI

Background

The case definition for TBI was originally developed in August 2008 by policy makers and medical experts from all Services and from several DoD and Health and Human Services (HHS) agencies. The Traumatic Brain Injury Center of Excellence (TBICoE), formerly the Defense and Veterans Brain Injury Center (DVBIC), monitors the TBI case definition for the military health system (MHS) and, together with the above agencies, has revised the original definition several times since its creation. The revisions are outlined in the *Development and Revisions* sections below.

Clinical Description

In the MHS, TBI is defined as a “traumatically induced structural injury and/or physiological disruption of brain function as a result of an external force that is indicated by new onset or worsening of at least one of the following clinical signs, immediately following the event: (1) any period of loss of or decreased level of consciousness, (2) any loss of memory for events immediately before or after the injury, (3) any alteration in mental state at the time of the injury (confusion, disorientation, slowed thinking, etc.), (4) neurological deficits (weakness, loss of balance, change in vision, praxis, paresis, plegia, sensory loss, aphasia, etc.) that may or may not be transient and (5) intracranial lesion.”¹

Case Definition and Incidence Rules

For surveillance purposes, a case of TBI is defined as:

- *One hospitalization* with a case defining diagnosis of TBI (see ICD9 and ICD10 code lists below) in *any* diagnostic position.
- *One outpatient or Theater Medical Data Store (TMDS) medical encounter* with a case defining diagnosis of TBI (see ICD9 and ICD10 code list below) in *any* diagnostic position.
- For an individual, the earliest hospitalization or outpatient medical encounter with a case defining diagnosis of TBI (see ICD9 and ICD10 codes list below) is considered a case; includes TBI codes with 7th digit characters A, B, D, G, K and S.

Incidence rules:

For individuals who meet the case definition:

- The incidence date is considered the date of the first hospitalization or outpatient medical encounter that includes a case defining diagnosis of TBI. The incident date, also called the “date of event,” refers to the first TBI medical encounter; it may or may not correspond to the date of injury, (i.e., the date the actual TBI was sustained).

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¹ [Memorandum from the Assistant Secretary of Defense \(Health Affairs\). Traumatic Brain Injury: Updated Definition and Reporting dated 6 April 2015. U.S. Department of Defense, Washington, DC.](#); accessed June 2026.



Case Definition and Incidence Rules *(continued)*

- An individual is considered an incident case *once per lifetime*. A lifetime incidence rule is used to count one event per service member per lifetime based on medical record data for service members while they are in military service.
- An individual whose medical record contains a personal history of TBI code *only*, (i.e., ICD10 Z87.820 / ICD9 V15.52, a DOD unique code, or DOD 0101-0105), are considered an incident case; however, the incident date is considered the date the individual presents for care and reports their TBI history to a provider.

Exclusions:

- None

TBI Severity Classifications²

For epidemiological surveillance of TBI in the MHS, all ICD9/ICD10 codes are further classified into the following severity categories. The methodology aligns with the 2015 Memorandum from the Assistant Secretary of Defense (Health Affairs) on TBI reporting and the 2021 VA/DOD clinical practice guidelines regarding structural imaging for severity classification.^{1,3} For additional information on severity classification, see *Severity Classification and Determination Rationale* below.

[m] - Concussion/Mild TBI is characterized by the following: Confused or disoriented state which lasts less than 24 hours; or loss of consciousness (LOC) for up to 30 minutes; or memory loss lasting less than 24 hours. Excludes penetrating TBI. A CT scan is not indicated for most patients with mild TBI. If obtained, it is normal.

[M] - Moderate TBI is characterized by the following: Confused or disoriented state which lasts more than 24 hours; or loss of consciousness for more than 30 minutes, but less than 24 hours; or memory loss lasting greater than 24 hours but less than seven days; or meets criteria for mild TBI except an abnormal CT scan is present. Excludes penetrating TBI. A structural brain imaging study may be normal or abnormal.

[S] - Severe TBI is characterized by the following: Confused or disoriented state which lasts more than 24 hours; or loss of consciousness for more than 24 hours; or memory loss for more than seven days. Excludes penetrating TBI. A structural brain imaging study may be normal but usually is abnormal.

[P] - Penetrating TBI, or open head injury, is characterized by the following: A head injury in which the scalp, skull and dura mater (the outer layer of the meninges) are penetrated. Penetrating injuries can be caused by high-velocity projectiles or objects of lower velocity such as knives, or bone fragments from a skull fracture that are driven into the brain.

[U] - Unclassifiable TBI

² [TBI Severity Classifications. TBI Center of Excellence \(TBI CoE\): DoD Worldwide Numbers for TBI](#); accessed June 2026.

³ [VA/DoD Clinical Practice Guideline for the Management and Rehabilitation of Post-Acute Mild TBI](#); accessed June 2026.



Codes

Code Status Key: Updates to the ICD-10-CM coding manual are made by the National Center for Health Statistics (NCHS) and can be accessed electronically on the Centers for Disease Control and Prevention (CDC) NCHS website and on the Centers for Medicare and Medicaid Services website.^{4,5} The most recent update included in this document is October 1, 2025.

- **New:** new ICD-10-CM code; includes date.
- **Deleted:** deleted ICD-10-CM code; includes date.
- **Revised:** revised ICD-10-CM code, (i.e., title, description, instructional note change); includes date.
- **Added:** new or existing ICD-10-CM code added to the code set by the TBICoE; includes date.
- **Updated:** identifies update to severity classification by the TBICoE; includes date.

The following ICD9 and ICD10 codes are included in the case definition:

Condition	ICD-10-CM Codes	ICD-9-CM Codes	Severity
Other Personality and Behavioral Disorders Due to Known Physiological Condition			
Post-concussion syndrome	F07.81 (post-concussion syndrome)	310.2 (post-concussion syndrome)	[m]

Condition	ICD-10-CM Codes	ICD-9-CM Codes	Severity
Skull Fractures (S02. [0,1,8,9])			
[A] initial encounter for closed fracture, [B] initial encounter for open fracture, [D] subsequent encounter for fracture with routine healing, [G] subsequent encounter for fracture with delayed healing, [K] subsequent encounter for fracture with nonunion [S] sequela			
	<i>S02.0 (fracture of vault of skull)</i>	<i>800 (fracture of vault of skull)</i>	[M]
Closed fracture of vault of skull without mention of intracranial injury.	<i>S02.0XXA (fracture of vault of skull, initial encounter for <u>closed</u> fracture)</i>	<i>800.0 (<u>closed</u> fracture of vault of skull without mention of intracranial injury...)</i>	ICD9/10 [U/M]
		800.00 (<i>unspecified</i> state of consciousness)	[M]
		800.01 (<i>without</i> LOC)	[M]
		800.02 (<i>with</i> brief [<1hr] LOC)	
		800.03 (<i>with</i> moderate [1-24 hrs.] LOC)	
		800.04 (<i>with</i> prolonged [>24 hrs.] LOC)	[S]

⁴ Center for Disease Control and Prevention, National Center for Health Statistics, International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM). <https://www.cdc.gov/nchs/icd/icd-10-cm/index.html>. Accessed June 2026.

⁵ Centers for Medicare and Medicaid Services, ICD-10 codes. <https://www.cms.gov/medicare/coding-billing/icd-10-code>. Accessed June 2026.



		800.05 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		800.06 (with LOC of <i>unspecified</i> duration)	[M]
		800.09 (with concussion, <i>unspecified</i>)	[M]
Closed fracture of vault of skull with cerebral laceration and contusion.	S02.0XXA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	800.1 (<i>closed fracture of vault of skull with cerebral laceration and contusion...</i>)	ICD9/10 [U/M]
		800.10 (<i>unspecified</i> state of consciousness)	[M]
		800.11 (<i>without</i> LOC)	[M]
		800.12 (with brief [<1hr] LOC)	
		800.13 (with moderate [1-24 hrs.] LOC)	
		800.14 (with prolonged [>24 hrs.] LOC)	[S]
		800.15 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		800.16 (with LOC of <i>unspecified</i> duration)	[M]
		800.19 (with concussion, <i>unspecified</i>)	[M]
Closed fracture of vault of skull with subarachnoid, subdural and extradural hemorrhage.	S02.0XXA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	800.2 (<i>closed fracture of vault of skull with subarachnoid, subdural and extradural hemorrhage...</i>)	ICD9/10 [U/M]
		800.20 (<i>unspecified</i> state of consciousness)	[M]
		800.21 (<i>without</i> LOC)	[M]
		800.22 (with brief [<1hr] LOC)	
		800.23 (with moderate [1-24 hrs.] LOC)	
		800.24 (with prolonged [>24 hrs.] LOC)	[S]
		800.25 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		800.26 (with LOC of <i>unspecified</i> duration)	[M]
		800.29 (with concussion, <i>unspecified</i>)	[M]
Closed fracture of vault of skull with other and unspecified	S02.0XXA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	800.3 (<i>closed fracture of vault of skull with other and unspecified intracranial hemorrhage...</i>)	ICD9/10 [U/M]
		800.30 (<i>unspecified</i> state of consciousness)	[M]



intracranial hemorrhage.		800.31 (<i>without</i> LOC)	[M]
		800.32 (<i>with</i> brief [<1 hr] LOC)	
		800.33 (<i>with</i> moderate [1-24 hrs.] LOC)	
		800.34 (<i>with</i> prolonged [>24 hrs.] LOC)	[S]
		800.35 (<i>with</i> prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		800.36 (<i>with</i> LOC of <i>unspecified</i> duration)	[M]
		800.39 (<i>with</i> concussion, <i>unspecified</i>)	[M]
Closed fracture of vault of skull <i>with</i> intracranial injury of other and unspecified nature.	S02.0XXA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	800.4 (<i>closed</i> fracture of vault of skull <i>with</i> intracranial injury of other and <i>unspecified</i> nature...)	ICD9/10 [U/M]
		800.40 (<i>unspecified</i> state of consciousness)	[M]
		800.41 (<i>without</i> LOC)	[M]
		800.42 (<i>with</i> brief [<1 hr] LOC)	
		800.43 (<i>with</i> moderate [1-24 hrs.] LOC)	
		800.44 (<i>with</i> prolonged [>24 hrs.] LOC)	[S]
		800.45 (<i>with</i> prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		800.46 (<i>with</i> LOC of <i>unspecified</i> duration)	[M]
		800.49 (<i>with</i> concussion, <i>unspecified</i>)	[M]
Open fracture of vault of skull <i>without</i> mention of intracranial injury.	S02.0XXB (<i>fracture of vault of skull, initial encounter for open fracture</i>)	800.5 (<i>open</i> fracture of vault of skull <i>without</i> mention of intracranial injury...)	ICD9/10 [U/P]
		800.50 (<i>unspecified</i> state of consciousness)	[P]
		800.51 (<i>without</i> LOC)	
		800.52 (<i>with</i> brief [<1 hr] LOC)	
		800.53 (<i>with</i> moderate [1-24 hrs.] LOC)	
		800.54 (<i>with</i> prolonged [>24 hrs.] LOC)	
		800.55 (<i>with</i> prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		800.56 (<i>with</i> LOC of <i>unspecified</i> duration)	



		800.59 (with concussion, <i>unspecified</i>)	
Open fracture of vault of skull with cerebral laceration and contusion.	S02.0XXB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	800.6 (<i>open fracture of vault of skull with cerebral laceration and contusion...</i>)	ICD9/10 [U/P]
		800.60 (<i>unspecified</i> state of consciousness)	[P]
		800.61 (<i>without</i> LOC)	
		800.62 (with brief [<1 hr] LOC)	
		800.63 (with moderate [1-24 hrs.] LOC)	
		800.64 (with prolonged [>24 hrs.] LOC)	
		800.65 (with prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		800.66 (with LOC of <i>unspecified</i> duration)	
		800.69 (with concussion, <i>unspecified</i>)	
Open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage.	S02.0XXB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	800.7 (<i>open fracture of vault of skull with subarachnoid, subdural, and extradural hemorrhage...</i>)	ICD9/10 [U/P]
		800.70 (<i>unspecified</i> state of consciousness)	[P]
		800.71 (<i>without</i> LOC)	
		800.72 (with brief [<1 hr] LOC)	
		800.73 (with moderate [1-24 hrs.] LOC)	
		800.74 (with prolonged [>24 hrs.] LOC)	
		800.75 (with prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		800.76 (with LOC of <i>unspecified</i> duration)	
		800.79 (with concussion, <i>unspecified</i>)	
Open fracture of vault of skull with other and unspecified intracranial hemorrhage.	S02.0XXB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	800.8 (<i>open fracture of vault of skull with other and unspecified intracranial hemorrhage...</i>)	ICD9/10 [U/P]
		800.80 (<i>unspecified</i> state of consciousness)	[P]
		800.81 (<i>without</i> LOC)	
		800.82 (with brief [<1 hr] LOC)	
		800.83 (with moderate [1-24 hrs.] LOC)	



		800.84 (with prolonged [>24 hrs.] LOC)	
		800.85 (with prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		800.86 (with LOC of <i>unspecified</i> duration)	
		800.89 (with concussion, <i>unspecified</i>)	
Open fracture of vault of skull with intracranial injury of other and unspecified nature.	S02.0XXB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>800.9 (open fracture of vault of skull with intracranial injury of other and unspecified nature...)</i>	ICD9/10 [U/P]
		800.90 (<i>unspecified</i> state of consciousness)	[P]
		800.91 (<i>without</i> LOC)	
		800.92 (with brief [<1hr] LOC)	
		800.93 (with moderate [1-24 hrs.] LOC)	
		800.94 (with prolonged [>24 hrs.] LOC)	
		800.95 (with prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		800.96 (with LOC of <i>unspecified</i> duration)	
		800.99 (with concussion, <i>unspecified</i>)	
Fracture of vault of skull, <i>subsequent encounters and sequela.</i>	S02.0XXD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
	S02.0XXG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	S02.0XXK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	S02.0XXS (fracture of vault of skull, <i>sequela</i>); <i>added 2026</i>		
Fracture base of skull	<i>S02.1 (fracture of base of skull)</i>	<i>801 (fracture of base of skull)</i>	[M]
	<i>S02.10 (unspecified fracture of base of skull...)</i>	--	[M]
Closed fracture of base of skull, <i>right</i> side, without mention of intracranial injury.	S02.101 (fracture of base of skull, <i>right</i> side...); <i>new 2017</i> - S02.101A (initial encounter for <i>closed</i> fracture)	<i>801.0 (closed fracture of base of skull without mention of intracranial injury...)</i>	ICD9/10 [U/M]
	<i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	801.00 (<i>unspecified</i> state of consciousness)	[M]
		801.01 (<i>without</i> LOC)	[M]



<i>See ICD10 codes deleted in 2017 below</i>		801.02 (with brief [<1hr] LOC)	[S]
		801.03 (with moderate [1-24 hrs.] LOC)	
		801.04 (with prolonged [>24 hrs.] LOC)	
		801.05 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		801.06 (with LOC of <i>unspecified</i> duration)	[M]
		801.09 (with concussion, <i>unspecified</i>)	[M]
Closed fracture of base of skull, right side, with cerebral laceration and contusion.	S02.101A (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>801.1 (closed fracture of base of skull with cerebral laceration and contusion...)</i>	ICD9/10 [U/M]
		801.10 (<i>unspecified</i> state of consciousness)	[M]
		801.11 (<i>without</i> LOC)	[M]
		801.12 (with brief [<1hr] LOC)	
		801.13 (with moderate [1-24 hrs.] LOC)	
		801.14 (with prolonged [>24 hrs.] LOC)	[S]
		801.15 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	[M]
		801.16 (with LOC of <i>unspecified</i> duration)	
		801.19 (with concussion, <i>unspecified</i>)	
Closed fracture of base of skull, right side, with subarachnoid, subdural and extradural hemorrhage.	S02.101A (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>801.2 (closed fracture of base of skull with subarachnoid, subdural and extradural hemorrhage...)</i>	ICD9/10 [U/M]
		801.20 (<i>unspecified</i> state of consciousness)	[M]
		801.21 (<i>without</i> LOC)	[M]
		801.22 (with brief [<1hr] LOC)	
		801.23 (with moderate [1-24 hrs.] LOC)	
		801.24 (with prolonged [>24 hrs.] LOC)	[S]
		801.25 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	[M]
		801.26 (with LOC of <i>unspecified</i> duration)	
		801.29 (with concussion, <i>unspecified</i>)	



Closed fracture of base of skull, <i>right</i> side, with other and unspecified intracranial hemorrhage.	S02.101A (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>801.3 (closed fracture of base of skull with other and unspecified intracranial hemorrhage...)</i>	ICD9/10 [U/M]
		801.30 (unspecified state of consciousness)	[M]
		801.31 (without LOC)	[M]
		801.32 (with brief [<1hr] LOC)	
		801.33 (with moderate [1-24 hrs.] LOC)	
		801.34 (with prolonged [>24 hrs.] LOC)	[S]
		801.35 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		801.36 (with LOC of unspecified duration)	[M]
		801.39 (with concussion, unspecified)	[M]
Closed fracture of base of skull, <i>right</i> side, with intracranial injury of other and unspecified nature.	S02.101A (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>801.4 (closed fracture of base of skull with intracranial injury of other and unspecified nature...)</i>	ICD9/10 [U/M]
		801.40 (unspecified state of consciousness)	[M]
		801.41 (without LOC)	[M]
		801.42 (with brief [<1hr] LOC)	
		801.43 (with moderate [1-24 hrs.] LOC)	
		801.44 (with prolonged [>24 hrs.] LOC)	[S]
		801.45 (with prolonged [>24 hrs.] LOC, w/o return to pre-existing conscious level)	
		801.46 (with LOC of unspecified duration)	[M]
		801.49 (with concussion, unspecified)	[M]
Open fracture of base of skull <i>right</i> side, without mention of intracranial injury.	S02.101 (fracture of base of skull, <i>right</i> side...); <i>new 2017</i> - S02.101B (initial encounter for <i>open</i> fracture)	<i>801.5 (open fracture of base of skull without mention of intracranial injury...)</i>	ICD9/10 [U/P]
		801.50 (unspecified state of consciousness)	[P]
		801.51 (without LOC)	
		801.52 (with brief [<1hr] LOC)	
		801.53 (with moderate [1-24 hrs.] LOC)	
		801.54 (with prolonged [>24 hrs.] LOC)	



		801.55 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		801.56 (with LOC of <i>unspecified</i> duration)	
		801.59 (with concussion, <i>unspecified</i>)	
Open fracture of base of skull <i>right</i> side, with cerebral laceration and contusion.	S02.101B (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	801.6 (<i>open fracture of base of skull with cerebral laceration and contusion...</i>)	ICD9/10 [U/P]
		801.60 (<i>unspecified</i> state of consciousness)	[P]
		801.61 (<i>without</i> LOC)	
		801.62 (with brief [<1hr] LOC)	
		801.63 (with moderate [1-24 hrs.] LOC)	
		801.64 (with prolonged [>24 hrs.] LOC)	
		801.65 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		801.66 (with LOC of <i>unspecified</i> duration)	
		801.69 (with concussion, <i>unspecified</i>)	
Open fracture of base of skull <i>right</i> side, with subarachnoid, subdural, and extradural hemorrhage.	S02.101B (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	801.7 (<i>open fracture of base of skull with subarachnoid, subdural, and extradural hemorrhage...</i>)	ICD9/10 [U/P]
		801.70 (<i>unspecified</i> state of consciousness)	[P]
		801.71 (<i>without</i> LOC)	
		801.72 (with brief [<1hr] LOC)	
		801.73 (with moderate [1-24 hrs.] LOC)	
		801.74 (with prolonged [>24 hrs.] LOC)	
		801.75 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		801.76 (with LOC of <i>unspecified</i> duration)	
		801.79 (with concussion, <i>unspecified</i>)	
Open fracture of base of skull <i>right</i> side, with other and unspecified	S02.101B (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	801.8 (<i>open fracture of base of skull with other and unspecified intracranial hemorrhage...</i>)	ICD9/10 [U/P]
		801.80 (<i>unspecified</i> state of consciousness)	[P]



intracranial injury.		801.81 (<i>without</i> LOC)	
		801.82 (with brief [<1 hr] LOC)	
		801.83 (with moderate [1-24 hrs.] LOC)	
		801.84 (with prolonged [>24 hrs.] LOC)	
		801.85 (with prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		801.86 (with LOC of <i>unspecified</i> duration)	
		801.89 (with concussion, <i>unspecified</i>)	
Open fracture of base of skull <i>right</i> side, with intracranial injury of other and unspecified nature.	S02.101B (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>801.9 (open fracture of base of skull with intracranial injury of other and unspecified nature...)</i>	ICD9/10 [U/P]
		801.90 (<i>unspecified</i> state of consciousness)	[P]
		801.91 (<i>without</i> LOC)	
		801.92 (with brief [<1 hr] LOC)	
		801.93 (with moderate [1-24 hrs.] LOC)	
		801.94 (with prolonged [>24 hrs.] LOC)	
		801.95 (with prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		801.96 (with LOC of <i>unspecified</i> duration)	
		800.99 (with concussion, <i>unspecified</i>)	
Fracture base of skull, <i>right</i> side, <i>subsequent encounters and sequela</i> .	- S02.101D (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
	- S02.101G (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.101K (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.101S (fracture of base of skull, <i>right</i> side, <i>sequela</i>); <i>added 2026</i>		
Fracture of base of skull, <i>left</i> side...	S02.102 (fracture of base of skull, <i>left</i> side...); <i>new 2017</i>		[M]
	- S02.102A (initial encounter for <i>closed</i> fracture)	801.[0-4] (<i>above</i>)	[M]



	- S02.102B (initial encounter for <i>open</i> fracture)	801.[5-9] (above)	[P]
Fracture base of skull, <i>left</i> side, <i>subsequent</i> encounters and <i>sequela</i> .	- S02.102D (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
	- S02.102G (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.102K (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.102S (fracture of base of skull, <i>left</i> side, <i>sequela</i>); <i>added 2026</i>		
Fracture of base of skull, <i>unspecified</i> side.	S02.109 (fracture of base of skull, <i>unspecified</i> side...) <i>new 2017</i>		[M]
	- S02.109A (initial encounter for <i>closed</i> fracture)	801.[0-4] (above)	[M]
	- S02.109B (initial encounter for <i>open</i> fracture)	801.[5-9] (above)	[P]
Fracture base of skull, <i>unspecified</i> side, <i>subsequent</i> encounters and <i>sequela</i> .	- S02.109D (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
	- S02.109G (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.109K (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.109S (fracture of base of skull, <i>unspecified</i> side, <i>sequela</i>); <i>added 2026</i>		
	<i>S02.11 (fracture of occiput)</i>	--	
Type I occipital condyle fracture, <i>unspecified</i> side...	<i>S02.110 (type I occipital condyle fracture, unspecified side...); revised 2017</i>	801.0 (above)	ICD9/10 [U/m]
	- S02.110A (initial encounter for <i>closed</i> fracture)	801.00 (above)	[m]
	- S02.110B (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Type I occipital condyle fracture, <i>unspecified</i> side, <i>subsequent</i>	- S02.110D (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
	- S02.110G (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.110K (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		



<i>encounters and sequela.</i>	- S02.110S (type I occipital condyle fracture, <i>unspecified side, sequela</i>); <i>added 2026</i>		
Type II occipital condyle fracture, unspecified side	<i>S02.111 (type II occipital condyle fracture, unspecified side...); revised 2017</i>	<i>801.0 (above)</i>	ICD9/10 [U/M]
	- S02.111A (initial encounter for <i>closed</i> fracture)	801.00 (above)	[M]
	- S02.111B (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Type II occipital condyle fracture <i>unspecified side, subsequent encounters and sequela.</i>	- S02.111D (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
	- S02.111G (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.111K (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.111S (type II occipital condyle fracture, <i>unspecified side, sequela</i>); <i>added 2026</i>		
Type III occipital condyle fracture, unspecified side.	<i>S02.112 (type III occipital condyle fracture, unspecified side...); revised 2017</i>	<i>801.0 (above)</i>	ICD9/10 [U/m]
	- S02.112A (initial encounter for <i>closed</i> fracture)	801.00 (above)	[m]
	- S02.112B (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Type III occipital condyle fracture <i>unspecified side, subsequent encounters and sequela.</i>	- S02.112D (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
	- S02.112G (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.112K (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.112S (type III occipital condyle fracture, <i>unspecified side, sequela</i>); <i>added 2026</i>		
Unspecified occipital condyle fracture.	<i>S02.113 (unspecified occipital condyle fracture...)</i>	<i>801.0 (above)</i>	ICD9/10 [U/m]
	- S02.113A (initial encounter for <i>closed</i> fracture)	801.00 (above)	[m]
	- S02.113B (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]



Unspecified occipital condyle fracture, subsequent encounters and sequela.	- S02.113D (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
	- S02.113G (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.113K (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.113S (unspecified occipital condyle fracture, <i>unspecified</i> side, <i>sequela</i>); <i>added 2026</i>		
Other fracture of occiput, unspecified side.	<i>S02.118 (other fracture of occiput, unspecified side...); revised 2017</i>	<i>801.0 (above)</i>	ICD9/10 [U/M]
	- S02.118A (initial encounter for <i>closed</i> fracture);	801.00 (above)	[M]
	- S02.118B (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Other fracture of occiput, unspecified side, subsequent encounters and sequela.	- S02.118D (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated code too broad for inclusion.</i>	[M]
	- S02.118G (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.118K (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.118S (other fracture of occiput, <i>unspecified</i> side, <i>sequela</i>); <i>added 2026</i>		
Unspecified fracture of occiput.	<i>S02.119 (unspecified fracture of occiput...)</i>	<i>801.0 (above)</i>	ICD9/10 [U/M]
	- S02.119A (initial encounter for <i>closed</i> fracture)	801.00 (above)	[M]
	- S02.119B (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Unspecified fracture of occiput, subsequent encounters and sequela.	- S02.119D (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
	- S02.119G (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.119K (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		



	- S02.119S (unspecified fracture of occiput, <i>sequela</i>); <i>added 2026</i>		
Type I occipital condyle fracture, <i>right side</i> .	<i>S02.11A (type I occipital condyle fracture, <u>right side</u>...); new 2017</i>	801.0 (above)	ICD9/10 [U/m]
	- S02.11AA (initial encounter for <i>closed</i> fracture)	801.00 (above)	[m]
	- S02.11AB (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Type I occipital condyle fracture, <i>right side, subsequent encounters and sequela</i> .	- S02.11AD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
	- S02.11AG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.11AK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.11AS (type I occipital condyle fracture, <i>right side, sequela</i>); <i>added 2026</i>		
Type I occipital condyle fracture, <i>left side</i>	<i>S02.11B (type I occipital condyle fracture, <u>left side</u>...); new 2017</i>	801.0 (above)	ICD9/10 [U/m]
	- S02.11BA (initial encounter for <i>closed</i> fracture)	801.00 (above)	[m]
	- S02.11BB (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Type I occipital condyle fracture, <i>left side, subsequent encounters and sequela</i> .	- S02.11BD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
	- S02.11BG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.11BK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.11BS (type I occipital condyle fracture, <i>left side, sequela</i>); <i>added 2026</i>		
Type II occipital condyle fracture, <i>right side</i> .	<i>S02.11C (type II occipital condyle fracture, <u>right side</u>...); new 2017</i>	801.0 (above)	ICD9/10 [U/m]
	- S02.11CA (initial encounter for <i>closed</i> fracture)	801.00 (above)	[M]
	- S02.11CB (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]



Type II occipital condyle fracture, <i>right side, subsequent encounters and sequela.</i>	- S02.11CD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i> - S02.11CG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i> - S02.11CK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i> - S02.11CS (type II occipital condyle fracture, <i>right side, sequela</i>); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
Type II occipital condyle fracture, <i>left side</i>	- <i>S02.11D (type II occipital condyle fracture, left side...); new 2017</i> - S02.11DA (initial encounter for <i>closed</i> fracture) - S02.11DB (initial encounter for <i>open</i> fracture)	801.0 (above) 801.00 (above) 801.50 (above)	ICD9/10 [U/M] [M] [P]
Type II occipital condyle fracture, <i>left side, subsequent encounters and sequela.</i>	- S02.11DD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i> - S02.11DG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i> - S02.11DK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i> - S02.11DS (type II occipital condyle fracture, <i>left side, sequela</i>); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
Type III occipital condyle fracture, <i>right side</i>	- <i>S02.11E (type III occipital condyle fracture, right side...); new 2017</i> - S02.11EA (initial encounter for <i>closed</i> fracture); - S02.11EB (initial encounter for <i>open</i> fracture)	801.0 (above) 801.00 (above) 801.50 (above)	ICD9/10 [U/m] [m] [P]
Type III occipital condyle fracture, <i>right side, subsequent encounters and sequela.</i>	- S02.11ED (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i> - S02.11EG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i> - S02.11EK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i> - S02.11ES (type II occipital condyle fracture, <i>right side, sequela</i>); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
Type III occipital	<i>S02.11F (type III occipital condyle fracture, left side...); new 2017</i>	801.0 (above)	ICD9/10 [U/m]



condyle fracture, <i>left</i> side.	- S02.11FA (initial encounter for <i>closed</i> fracture)	801.00 (above)	[m]
	- S02.11FB (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Type III occipital condyle fracture, <i>left</i> side, <i>subsequent encounters and sequela</i> .	- S02.11FD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
	- S02.11FG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.11FK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.11FS (type III occipital condyle fracture, <i>left</i> side, <i>sequela</i>); <i>added 2026</i>		
Other fracture of occiput, <i>right</i> side.	<i>S02.11G (other fracture of occiput, <u>right</u> side...); new 2017</i>	<i>801.0 (above)</i>	ICD9/10 [U/M]
	- S02.11GA (initial encounter for <i>closed</i> fracture)	801.00 (above)	[M]
	- S02.11GB (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Other fracture of occiput, <i>right</i> side, <i>subsequent encounters and sequela</i> .	- S02.11GD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
	- S02.11GG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.11GK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.11GS (other fracture of occiput, <i>right</i> side, <i>sequela</i>); <i>added 2026</i>		
Other fracture of occiput, <i>left</i> side.	<i>S02.11H (other fracture of occiput, <u>left</u> side...); new 2017</i>	<i>801.0 (above)</i>	ICD9/10 [U/M]
	- S02.11HA (initial encounter for <i>closed</i> fracture);	801.00 (above)	[M]
	- S02.11HB (initial encounter for <i>open</i> fracture)	801.50 (above)	[P]
Other fracture of occiput, <i>left</i> side, <i>subsequent encounters and sequela</i> .	- S02.11HD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
	- S02.11HG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		



	- S02.11HK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i> - S02.11HS (other fracture of occiput, <i>left side, sequela</i>); <i>added 2026</i>		
Other fracture of base of skull.	<i>S02.19 (other fracture of base of skull)</i>	<i>801.0 (above)</i>	ICD9/10 [U/M]
	- S02.19XA (initial encounter for <i>closed</i> fracture) - S02.19XB (initial encounter for <i>open</i> fracture)	801.00 (above) 801.50 (above)	[M] [P]
Other fracture of base of skull, <i>subsequent encounters and sequela.</i>	- S02.19XD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i> - S02.19XG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i> - S02.19XK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i> - S02.19XS (other fracture of base of skull, <i>sequela</i>); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[M]
	<i>S02.8 (fractures of other specified skull and facial bones)</i>	--	--
Fracture of other specified skull and facial bones, <i>unspecified side.</i>	<i>S02.80 (fracture of other specified skull and facial bones, unspecified side...); new 2017</i> - S02.80XA (initial encounter for <i>closed</i> fracture) - S02.80XB (initial encounter for <i>open</i> fracture)	<i>ICD9 code not included; does not specify skull fracture.</i>	[m] [m] [P]
Fracture of other specified skull and facial bones, <i>unspecified side subsequent encounters and sequela.</i>	- S02.80XD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i> - S02.80XG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i> - S02.80XK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i> - S02.80XS (fracture of other specified skull and facial bones, <i>unspecified side, sequela</i>); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
Fracture of other specified skull and	<i>S02.81 (fracture of other specified skull and facial bones, right side...); new 2017</i> - S02.81XA (initial encounter for <i>closed</i> fracture)	<i>ICD9 code not included; code does not specify skull fracture.</i>	[m] [m]



facial bones, <i>right</i> side.	- S02.81XB (initial encounter for <i>open</i> fracture)		[P]
Fracture of other specified skull and facial bones, <i>right</i> side, <i>subsequent encounters and sequela</i> .	- S02.81XD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
	- S02.81XG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.81XK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.81XS (fracture of other specified skull and facial bones, <i>right</i> side, <i>sequela</i>); <i>added 2026</i>		
Fracture of other specified skull and facial bones, <i>left</i> side.	<i>S02.82 (fracture of other specified skull and facial bones, <u>left</u> side...); new 2017</i>	<i>ICD9 code not included; code does not specify skull fracture.</i>	[m]
	- S02.82XA (initial encounter for <i>closed</i> fracture)		[m]
	- S02.82XB (initial encounter for <i>open</i> fracture)		[P]
Fracture of other specified skull and facial bones, <i>left</i> side, <i>subsequent encounters and sequela</i> .	- S02.82XD (subsequent encounter for fracture with <i>routine</i> healing); <i>added 2026</i>	<i>Translated codes too broad for inclusion.</i>	[m]
	- S02.82XG (subsequent encounter for fracture with <i>delayed</i> healing); <i>added 2026</i>		
	- S02.82XK (subsequent encounter for fracture with <i>nonunion</i>); <i>added 2026</i>		
	- S02.82XS (fracture of other specified skull and facial bones, <i>left</i> side, <i>sequela</i>); <i>added 2026</i>		
	<i>S02.9 (fractures of unspecified skull and facial bones)</i>	<i>803.[0-9] (other and unqualified skull fractures)</i>	
Unspecified fracture of skull and facial bones <i>closed</i> fracture.	S02.91(<i>unspecified</i> fracture of skull...) - S02.91XA (initial encounter for <i>closed</i> fracture)	<i>803.0 (other <u>closed</u> skull fractures without mention of intracranial injury...)</i>	ICD9/10 [U/M]
		803.00 (<i>unspecified</i> state of consciousness)	[M]
		803.01 (<i>without</i> LOC)	[M]
		803.02 (<i>with</i> brief [<1 hr] LOC)	
		803.03 (<i>with</i> moderate [1-24 hrs.] LOC)	
		803.04 (<i>with</i> prolonged [>24 hrs.] LOC)	[S]



		803.05 (with prolonged [>24 hrs.] LOC, w/o return to pre-existing conscious level)	
		803.06 (with LOC of unspecified duration)	[M]
		803.09 (with concussion, unspecified)	[M]
Other <i>closed</i> skull fracture with cerebral laceration and contusion	S02.91XA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>803.1 (other <u>closed</u> skull fractures with cerebral laceration and contusion...)</i>	ICD9/10 [U/M]
		803.10 (unspecified state of consciousness)	[M]
		803.11 (without LOC)	[M]
		803.12 (with brief [<1hr] LOC)	
		803.13 (with moderate [1-24 hrs.] LOC)	
		803.14 (with prolonged [>24 hrs.] LOC)	[S]
		803.15 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		803.16 (with LOC of unspecified duration)	[M]
Other <i>closed</i> skull fracture with subarachnoid, subdural, and extradural hemorrhage.	S02.91XA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>803.2 (other <u>closed</u> skull fractures with subarachnoid, subdural, and extradural hemorrhage...)</i>	ICD9/10 [U/M]
		803.20 (unspecified state of consciousness)	[M]
		803.21 (without LOC)	[M]
		803.22 (with brief [<1hr] LOC)	
		803.23 (with moderate [1-24 hrs.] LOC)	
		803.24 (with prolonged [>24 hrs.] LOC)	[S]
		803.25 (with prolonged [>24 hrs.] LOC, w/o return to pre-existing conscious level)	
		803.26 (with LOC of unspecified duration)	[M]
Other <i>closed</i> skull fracture with other and unspecified	S02.91XA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>803.3 (other <u>closed</u> skull fractures with other and unspecified intracranial hemorrhage...)</i>	ICD9/10 [U/M]
		803.30 (unspecified state of consciousness)	[M]



intracranial hemorrhage.		803.31 (<i>without</i> LOC)	[M]
		803.32 (with brief [<1 hr] LOC)	
		803.33 (with moderate [1-24 hrs.] LOC)	
		803.34 (with prolonged [>24 hrs.] LOC)	[S]
		803.35 (with prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		803.36 (with LOC of unspecified duration)	[M]
		803.39 (with concussion, unspecified)	[M]
Other <i>closed</i> skull fracture with intracranial injury of other and unspecified nature.	S02.91XA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>803.4 (other <u>closed</u> skull fractures with intracranial injury of other and unspecified nature...)</i>	ICD9/10 [U/M]
		803.40 (<i>unspecified</i> state of consciousness)	[M]
		803.41 (<i>without</i> LOC)	[M]
		803.42 (with brief [<1 hr] LOC)	
		803.43 (with moderate [1-24 hrs.] LOC)	
		803.44 (with prolonged [>24 hrs.] LOC)	[S]
		803.45 (with prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		803.46 (with LOC of unspecified duration)	[M]
		803.49 (with concussion, unspecified)	[M]
Other <i>open</i> skull fracture without mention of intracranial injury.	S02.91 (above...) - S02.91XB (initial encounter for <i>open</i> fracture)	<i>803.5 (other <u>open</u> skull fractures without mention of intracranial injury...)</i>	ICD9/10 [U/P]
		803.50 (<i>unspecified</i> state of consciousness)	[P]
		803.51 (<i>without</i> LOC)	
		803.52 (with brief [<1 hr] LOC)	
		803.53 (with moderate [1-24 hrs.] LOC)	
		803.54 (with prolonged [>24 hrs.] LOC)	
		803.55 (with prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		803.56 (with LOC of unspecified duration)	



		803.59 (with concussion, unspecified)	
Other <i>open</i> skull fracture with cerebral laceration and contusion.	S02.91XB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes</i>	<i>803.6 (other open skull fractures with cerebral laceration and contusion...)</i>	ICD9/10 [U/P]
		803.60 (unspecified state of consciousness)	[P]
		803.61 (without LOC)	
		803.62 (with brief [<1hr] LOC)	
		803.63 (with moderate [1-24 hrs.] LOC)	
		803.64 (with prolonged [>24 hrs.] LOC)	
		803.65 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		803.66 (with LOC of unspecified duration)	
		803.69 (with concussion, unspecified)	
Other <i>open</i> skull fracture with subarachnoid, subdural, and extradural hemorrhage.	S02.91XB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>803.7 (other open skull fractures with subarachnoid, subdural, and extradural hemorrhage...)</i>	ICD9/10 [U/P]
		803.70 (unspecified state of consciousness)	[P]
		803.71 (without LOC)	
		803.72 (with brief [<1hr] LOC)	
		803.73 (with moderate [1-24 hrs.] LOC)	
		803.74 (with prolonged [>24 hrs.] LOC)	
		803.75 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		803.76 (with LOC of unspecified duration)	
		803.79 (with concussion, unspecified)	
Other <i>open</i> skull fracture with unspecified intracranial hemorrhage.	S02.91XB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>803.8 (other open skull fractures with other and unspecified intracranial hemorrhage...)</i>	ICD9/10 [U/P]
		803.80 (unspecified state of consciousness)	[P]
		803.81 (without LOC)	
		803.82 (with brief [<1hr] LOC)	
		803.83 (with moderate [1-24 hrs.] LOC)	
		803.84 (with prolonged [>24 hrs.] LOC)	



		803.85 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		803.86 (with LOC of unspecified duration)	
		803.89 (with concussion, unspecified)	
Other <i>open</i> skull fracture with intracranial injury of other and unspecified nature.	S02.91XB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>803.9 (other <u>open</u> skull fractures with intracranial injury of other and unspecified nature...)</i>	ICD9/10 [U/P]
		803.90 (unspecified state of consciousness)	[P]
		803.91 (without LOC)	
		803.92 (with brief [<1hr] LOC)	
		803.93 (with moderate [1-24 hrs.] LOC)	
		803.94 (with prolonged [>24 hrs.] LOC)	
		803.95 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		803.96 (with LOC of unspecified duration)	
		803.99 (with concussion, unspecified)	
Unspecified fracture of skull, subsequent encounters and sequela.	S0291XD (subsequent encounter for fracture with routine healing); <i>added 2026</i>	<i>Translated code too broad for inclusion.</i>	[M]
	S02.91XG (subsequent encounter for fracture with delayed healing); <i>added 2026</i>		
	S02.91XK (subsequent encounter for fracture with nonunion); <i>added 2026</i>		
	S02.91XS (unspecified fracture of skull, sequela); <i>added 2026</i>		
		<i>804 (multiple fractures involving skull or face with other bones)</i>	--
Closed fractures of skull or face with other bones, without mention of intracranial injury.	S02.91XA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>804.0 (closed fractures involving skull or face with other bones without mention of intracranial injury...)</i>	ICD9/10 [U/M]
		804.00 (unspecified state of consciousness)	[M]
		804.01 (without LOC)	[M]
		804.02 (with brief [<1hr] LOC)	
		804.03 (with moderate [1-24 hrs.] LOC)	
		804.04 (with prolonged [>24 hrs.] LOC)	[S]



		804.05 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		804.06 (with LOC of unspecified duration)	[M]
		804.09 (with concussion, unspecified)	[M]
Closed fractures of skull or face with other bones, with cerebral laceration and contusion.	S02.91XA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>804.1 (closed fractures involving skull or face with other bones, with cerebral laceration and contusion...)</i>	ICD9/10 [U/M]
		804.10 (unspecified state of consciousness)	[M]
		804.11 (without LOC)	[M]
		804.12 (with brief [<1hr] LOC)	
		804.13 (with moderate [1-24 hrs.] LOC)	
		804.14 (with prolonged [>24 hrs.] LOC)	[S]
		804.15 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		804.16 (with LOC of unspecified duration)	[M]
		804.19 (with concussion, unspecified)	[M]
Closed fractures of skull or face with other bones, with subarachnoid, subdural, and extradural hemorrhage.	S02.91XA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>804.2 (closed fractures involving skull or face with other bones, with subarachnoid, subdural, and extradural hemorrhage...)</i>	ICD9/10 [U/M]
		804.20 (unspecified state of consciousness)	[M]
		804.21 (without LOC)	[M]
		804.22 (with brief [<1hr] LOC)	
		804.23 (with moderate [1-24 hrs.] LOC)	
		804.24 (with prolonged [>24 hrs.] LOC)	[S]
		804.25 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		804.26 (with LOC of unspecified duration)	[M]
		804.29 (with concussion, unspecified)	[M]
Closed fractures of skull or face	S02.91XA (above)	<i>804.3 (closed fractures involving skull or face with other bones with other unspecified intracranial hemorrhage...)</i>	ICD9/10 [U/M]



with other bones, <i>with</i> unspecified intracranial hemorrhage.	<i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	804.30 (<i>unspecified</i> state of consciousness)	[M]
		804.31 (<i>without</i> LOC)	[M]
		804.32 (<i>with</i> brief [<1 hr] LOC)	
		804.33 (<i>with</i> moderate [1-24 hrs.] LOC)	
		804.34 (<i>with</i> prolonged [>24 hrs.] LOC)	[S]
		804.35 (<i>with</i> prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		804.36 (<i>with</i> LOC of unspecified duration)	[M]
		804.39 (<i>with</i> concussion, unspecified)	[M]
Closed fractures of skull or face with other bones, <i>with</i> intracranial injury of other and unspecified nature.	S02.91XA (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	804.4 (<i>closed fractures involving skull or face with other bones with intracranial injury of other and unspecified nature...</i>)	ICD9/10 [U/M]
		804.40 (<i>unspecified</i> state of consciousness)	[M]
		804.41 (<i>without</i> LOC)	
		804.42 (<i>with</i> brief [<1 hr] LOC)	
		804.43 (<i>with</i> moderate [1-24 hrs.] LOC)	[S]
		804.44 (<i>with</i> prolonged [>24 hrs.] LOC)	
		804.45 (<i>with</i> prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	
		804.46 (<i>with</i> LOC of unspecified duration)	[M]
Open fractures of skull or face with other bones, <i>without</i> mention of intracranial injury.	S02.91XB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	804.49 (<i>with</i> concussion, unspecified)	[M]
		804.5 (<i>open fractures involving skull or face with other bones without mention of intracranial injury...</i>)	ICD9/10 [U/P]
		804.50 (<i>unspecified</i> state of consciousness)	[P]
		804.51 (<i>without</i> LOC)	
		804.52 (<i>with</i> brief [<1 hr] LOC)	
		804.53 (<i>with</i> moderate [1-24 hrs.] LOC)	
		804.54 (<i>with</i> prolonged [>24 hrs.] LOC)	
		804.45 (<i>with</i> prolonged [>24 hrs.] LOC, <i>without</i> return to pre-existing conscious level)	



		804.56 (with LOC of unspecified duration)	
		804.59 (with concussion, unspecified)	
Open fractures of skull or face with other bones, with cerebral laceration and contusion.	S02.91XB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>804.6 (open fractures involving skull or face with other bones with cerebral laceration and contusion...)</i>	ICD9/10 [U/P]
		804.60 (unspecified state of consciousness)	[P]
		804.61 (without LOC)	
		804.62 (with brief [<1hr] LOC)	
		804.63 (with moderate [1-24 hrs.] LOC)	
		804.64 (with prolonged [>24 hrs.] LOC)	
		804.65 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		804.66 (with LOC of unspecified duration)	
		804.69 (with concussion, unspecified)	
Open fractures of skull or face with other bones with subdural and extradural hemorrhage.	S02.91XB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>804.7 (open fractures involving skull or face with other bones with subdural and extradural hemorrhage ...)</i>	ICD9/10 [U/P]
		804.70 (unspecified state of consciousness)	[P]
		804.71 (without LOC)	
		804.72 (with brief [<1hr] LOC)	
		804.73 (with moderate [1-24 hrs.] LOC)	
		804.74 (with prolonged [>24 hrs.] LOC)	
		804.75 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		804.76 (with LOC of unspecified duration)	
		804.79 (with concussion, unspecified)	
Open fractures of skull or face with other bones with other and unspecified intracranial hemorrhage.	S02.91XB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>804.8 (open fractures involving skull or face with other bones with other and unspecified intracranial hemorrhage...)</i>	ICD9/10 [U/P]
		804.80 (unspecified state of consciousness)	[P]
		804.81 (without LOC)	
		804.82 (with brief [<1hr] LOC)	



		804.83 (with moderate [1-24 hrs.] LOC)	
		804.84 (with prolonged [>24 hrs.] LOC)	
		804.85 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		804.86 (with LOC of unspecified duration)	
		804.89 (with concussion, unspecified)	
Open fractures of skull or face with other bones, with intracranial injury of other and unspecified nature.	S02.91XB (above) <i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	804.9 (<i>open fractures involving skull or face with other bones with intracranial injury of other and unspecified nature...</i>)	ICD9/10 [U/P]
		804.90 (unspecified state of consciousness)	[P]
		804.91 (without LOC)	
		804.92 (with brief [<1hr] LOC)	
		804.93 (with moderate [1-24 hrs.] LOC)	
		804.94 (with prolonged [>24 hrs.] LOC)	
		804.95 (with prolonged [>24 hrs.] LOC, without return to pre-existing conscious level)	
		804.96 (with LOC of unspecified duration)	
		804.99 (with concussion, unspecified)	

Closed Intracranial Injuries

Condition	ICD-10-CM Codes	ICD-9-CM Codes	Severity
Injury Optic Chiasm and Optic Tract (S04.0)			
[A] initial encounter, [D] subsequent encounter, [S] sequela			
	<i>S04.0[2,3,4] (injury to optic nerve and pathways)</i>	<i>950.[1,2,3] (injury to optic nerve and pathways)</i>	
Injury to optic chiasm and optic tract.	S04.02 (injury of optic chiasm...) - S04.02X [A,D,S]	950.1 (injury to optic chiasm)	ICD9/10 [U/S]
	<i>S04.03 (injury of optic tract and pathways...); revised 2018⁶</i>	950.2 (injury to optic pathways)	ICD9/10 [U/S]
	S04.031 (right side...) - S04.031 [A,D,S]		

⁶ Atipo- Atipo-Tsiba PW, Borruat FX. Traumatic dysfunction of the optic chiasm. Klin Monbl Augenheilkd. 2003 Mar; 220(3):138-41.



	S04.032 (<i>left side...</i>) - S04.032 [A,D,S]		
	S04.039 (<i>unspecified side...</i>) - S04.039 [A,D,S]		
	S04.04 (<i>injury of visual cortex...</i>); <i>revised 2018</i>	950.3 (injury to visual cortex)	ICD9/10 [U/S]
	S04.041 (<i>right side...</i>) - S04.041 [A,D,S]		
	S04.042 (<i>left side...</i>) - S04.042 [A,D,S]		
	S04.049 (unspecified eye, initial encounter) - S04.049 [A,D,S]		

Condition	ICD-10-CM Codes	ICD-9-CM Codes	Severity
Intracranial Injury (S06)			
[A] initial encounter, [D] subsequent encounter, [S] sequela			
Concussion <i>See ICD10 codes deleted in 2017 below.</i>	S06.0 (concussion)	850 (concussion...)	ICD9/10 [U/m]
	S06.0X[0,1,A,9] (concussion...)		
	S06.0X0 (without LOC...) - S06.0X0 [A,D,S]	850.0 (without LOC)	[m]
		850.1 (with brief LOC)	[m]
	S06.0X1 (with LOC of 30 mins or less...) - S06.0X1 [A,D,S]	- 850.11 (with LOC of 30 mins or less)	[m]
	S06.0XA (with LOC status unknown...); <i>new 2023; added 2026</i> - S06.0XA [A,D,S]	No data available to convert codes added after 2018.	[m]
	S06.0X9 (with LOC of unspecified duration...) - S06.0X9 [A,D,S]	850.5 (with LOC of unspecified duration) <i>*Record does not include in-hospital death code.</i>	[m]
		850.9 (without mention of open intracranial wound, with concussion unspecified)	[m]
Traumatic cerebral edema	S06.1 (traumatic cerebral edema)	854 (intracranial injury of other and unspecified nature...)	[M]
	S06.1X (traumatic cerebral edema...)	854.0 (without mention of open intracranial wound...)	ICD9/10 [U/M]
	S06.1X0 (without LOC...) - S06.1X0 [A,D,S]	854.01 (without LOC)	[M]



	S06.1X1 (with LOC of 30 min or less...) - S06.1X1 [A,D,S]	854.02 (with brief [< 1 hr.] LOC)	[M]
	S06.1X2 (with LOC of 31-59 minutes...) - S06.1X2 [A,D,S]		
	S06.1X3 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.1X3 [A,D,S]	854.03 (with moderate [1-24 hrs.] LOC)	[M]
	S06.1X4 (with LOC of 6-24 hrs. ...) - S06.1X4 [A,D,S]		
	S06.1X5 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.1X5 [A,D,S]	854.04 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	[S]
	S06.1X6 (with LOC >24 hrs. <i>without</i> return to pre-existing conscious level with patient surviving...) - S06.1X6 [A,D,S]	854.05 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	[S]
	S06.1X7 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.1X7 [A]		
	S06.1X8 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.1X8 [A]		
	S06.1XA (with LOC status unknown...) - S06.1XA [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.1X9 (with LOC of unspecified duration...) - S06.1X9 [A,D,S]	854.06 (with LOC of unspecified duration)	[M]
		854.09 (with concussion, unspecified)	[M]
Diffuse traumatic brain injury	<i>S06.2 (diffuse traumatic brain injury)</i>	<i>854.0 (above)</i>	ICD9/10 [U/M]
	<i>S06.2X (diffuse traumatic brain injury...)</i>		
	S06.2X0 (<i>without</i> LOC...) - S06.2X0 [A,D,S]	854.01 (above)	[M]
	S06.2X1 (with LOC of 30 min or less...) - S06.2X1 [A,D,S]	854.02 (above)	[M]
	S06.2X2 (with LOC of 31-59 minutes...) - S06.2X2 [A,D,S]		
	S06.2X3 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.2X3 [A,D,S]	854.03 (above)	[M]



	S06.2X4 (with LOC of 6-24 hrs. ...) - S06.2X4 [A,D,S]		
	S06.2X5 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.2X5 [A,D,S]	854.04 (above)	[S]
	S06.2X6 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.2X6 [A,D,S]	854.05 (above)	[S]
	S06.2X7 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.2X7 [A]		
	S06.2X8 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.2X8 [A]		
	S06.2XA (with LOC status unknown...) - S06.2XA [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.2X9 (with LOC of unspecified duration...) - S06.2X9 [A,D,S]	854.06 (above)	[M]
		854.09 (above)	[M]
Focal traumatic brain injury	<i>S06.3 (focal traumatic brain injury)</i>	<i>854.0 (above)</i>	ICD9/10 [U/M]
	<i>S06.30 (unspecified focal traumatic brain injury...)</i>		
	S06.300 (without LOC...) - S06.300 [A,D,S]	854.01 (above)	[M]
	S06.301 (with LOC of 30 min or less...) - S06.301 [A,D,S]	854.02 (above)	[M]
	S06.302 (with LOC of 31-59 minutes...) - S06.302 [A,D,S]		
	S06.303 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.303 [A,D,S]	854.03 (above)	[M]
	S06.304 (with LOC of 6-24 hrs. ...) - S06.304 [A,D,S]		
	S06.305 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.305 [A,D,S]	854.04 (above)	[S]



	S06.306 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.306 [A,D,S]	854.05 (above)	[S]
	S06.307 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.307 [A]		
	S06.308 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.308 [A]		
	S06.30A (with LOC status unknown...) - S06.30A [A,D,S]; <i>new 2023; added 2026</i>	No data available to convert codes added after 2018.	[M]
	S06.309 (with LOC of unspecified duration...) - S06.309 [A,D,S]	854.06 (above)	[M]
		854.09 (above)	[M]
Focal traumatic brain injury continued...	--	<i>851.[0,2,8] (cerebral laceration and contusion...without mention of open intracranial wound)</i>	--
	<i>S06.31 (contusion and laceration of <u>right cerebrum</u>...)</i>	<i>851.8 (other and unspecified cerebral laceration and contusion, without mention of open intracranial wound...)</i>	ICD9/10 [U/M]
	S06.310 (without LOC...) - S06.310 [A,D,S]	851.81 (without LOC)	[M]
	S06.311 (with LOC of 30 min or less...) - S06.311 [A,D,S]	851.82 (with brief [< 1 hr.] LOC)	[M]
	S06.312 (with LOC of 31-59 minutes...) - S06.312 [A,D,S]		
	S06.313 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.313 [A,D,S]	851.83 (with moderate [1-24 hrs.] LOC)	[M]
	S06.314 (with LOC of 6-24 hrs. ...) - S06.314 [A,D,S]		
	S06.315 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.315 [A,D,S]	851.84 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	[S]
	S06.316 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.316 [A,D,S]	851.85 (with prolonged [>24 hrs.] LOC without return to pre-existing conscious level)	[S]



	S06.317 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.317 [A]		
	S06.318 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.318 [A]		
	S06.31A (with LOC status unknown...) - S06.31A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.319 (with LOC of unspecified duration...) - S06.319 [A,D,S]	851.86 (with LOC of unspecified duration)	[M]
Focal traumatic brain injury continued...	<i>S06.32 (contusion and laceration of <u>left cerebrum</u>...)</i>	<i>851.8 (above)</i>	ICD9/10 [U/M]
	S06.320 (without LOC...) - S06.320 [A,D,S]	851.81 (above)	[M]
	S06.321 (with LOC of 30 min or less...) - S06.321 [A,D,S]	851.82 (above)	[M]
	S06.322 (with LOC of 31-59 minutes...) - S06.322 [A,D,S]		
	S06.323 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.323 [A,D,S]	851.83 (above)	[M]
	S06.324 (with LOC of 6-24 hrs. ...) - S06.324 [A,D,S]		
	S06.325 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.325 [A,D,S]	851.84 (above)	[S]
	S06.326 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.326 [A,D,S]	851.85 (above)	[S]
	S06.327 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.327 [A]		
	S06.328 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.328 [A]		



	S06.32A (with LOC status unknown...) - S06.32A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.329 (with LOC of unspecified duration...) - S06.329 [A,D,S]	851.86 (above)	[M]
Focal traumatic brain injury continued...	<i>S06.33 (contusion and laceration of cerebrum unspecified...)</i>	<i>851.0 (cortex [cerebral] contusion without mention of open intracranial wound...)</i> <i>851.2 (cortex [cerebral] laceration without mention of open intracranial wound...)</i> <i>851.8 (above)</i>	ICD9/10 [U/M]
	<i>No comparable ICD10 code.</i>	851.00 (unspecified state of consciousness)	[M]
		851.20 (unspecified state of consciousness)	
		851.80 (unspecified state of consciousness)	
	S06.330 (without LOC...) - S06.330 [A,D,S]	851.81 (above)	[M]
		851.01 (without LOC)	
		851.09 (with concussion, unspecified)	
		851.21 (without LOC)	
		851.89 (with concussion unspecified)	
	S06.331 (with LOC of 30 min or less...) - S06.331 [A,D,S]	851.82 (above)	[M]
		851.02 (with brief [< 1 hr.] LOC)	
		851.22 (with brief [< 1 hr.] LOC)	
	S06.332 (with LOC of 31-59 minutes...) - S06.332 [A,D,S]	851.82 (above)	[M]
	S06.333 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.333 [A,D,S]	851.83 (above)	[M]
		851.03 (with moderate [1-24 hrs.] LOC)	
		851.23 (with moderate [1-24 hrs.] LOC)	
	S06.334 (with LOC of 6-24 hrs. ...) - S06.334 [A,D,S]	851.83 (above)	[M]
	S06.335 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.335 [A,D,S]	851.84 (above)	[S]
		851.04 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		851.24 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	



	S06.336 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.336 [A,D,S]	851.85 (above)	[S]
		851.05 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	
		851.25 (with prolonged [> 24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	
	S06.337 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.337 [A]	851.85 (above)	[S]
	S06.338 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.338 [A]		
	S06.33A (with LOC status unknown...) - S06.33A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.339 (with LOC of unspecified duration...) - S09.339 [A,D,S]	851.86 (above)	[M]
		851.06 (with LOC of unspecified duration)	
		851.26 (with LOC of unspecified duration)	
		851.29 (with concussion unspecified)	
Focal traumatic brain injury continued...	--	<i>853 (other and unspecified intracranial hemorrhage following injury...)</i>	--
	<i>S06.34 (traumatic hemorrhage of <u>right</u> cerebrum...)</i>	<i>853.0 (without mention of open intracranial wound...)</i>	ICD9/10 [U/M]
	S06.340 (without LOC...) - S06.340 [A,D,S]	853.01 (without LOC)	[M]
	S06.341 (with LOC of 30 min or less...) - S06.341 [A,D,S]	853.02 (with brief [< 1 hr.] LOC)	[M]
	S06.342 (with LOC of 31-59 minutes...) - S06.342 [A,D,S]		
	S06.343 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.343 [A,D,S]	853.03 (with moderate [1-24 hrs.] LOC)	[M]
	S06.344 (with LOC of 6-24 hrs. ...) - S06.344 [A,D,S]		
	S06.345 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.345 [A,D,S]	853.04 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	[S]



	S06.346 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.346 [A,D,S]	853.05 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	[S]
	S06.347 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.347 [A]		
	S06.348 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.348 [A]		
	S06.34A (with LOC status unknown...) - S06.34A [A,D,S]; <i>new 2023; added 2026</i>	No data available to convert codes added after 2018.	[M]
	S06.349 (with LOC of unspecified duration...) - S06.349 [A,D,S]	853.06 (with LOC of unspecified duration)	[M]
		853.09 (with concussion unspecified)	[M]
Focal traumatic brain injury continued...	<i>S06.35 (traumatic hemorrhage of <u>left cerebrum</u>...)</i>	<i>853.0 (above)</i>	[M]
	S06.350 (without LOC...) - S06.350 [A,D,S]	853.01 (above)	[M]
	S06.351 (with LOC of 30 min or less...) - S06.351 [A,D,S]	853.02 (above)	[M]
	S06.352 (with LOC of 31-59 minutes...) - S06.352 [A,D,S]		
	S06.353 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.353 [A,D,S]	853.03 (above)	[M]
	S06.354 (with LOC of 6-24 hrs. ...) - S06.354 [A,D,S]		
	S06.355 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.355 [A,D,S]	853.04 (above)	[S]
	S06.356 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.356 [A,D,S]	853.05 (above)	[S]
	S06.357 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.357 [A]		



	S06.358 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.358 [A]		
	S06.35A (with LOC status unknown...) - S06.35A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.359 (with LOC of unspecified duration...) - S06.359 [A,D,S]	853.06 (above) 853.09 (above)	[M] [M]
Focal traumatic brain injury continued...	<u>S06.36 (traumatic hemorrhage of cerebrum, unspecified...)</u>	853.0 (above)	[M]
	<i>No comparable ICD10 code.</i>	853.00 (unspecified state of consciousness)	[M]
	S06.360 (without LOC...) - S06.360A [A,D,S]	853.01 (above)	[M]
	S06.361 (with LOC of 30 min or less...) - S06.361 [A,D,S]	853.02 (above)	[M]
	S06.362 (with LOC of 31-59 minutes...) - S06.362 [A,D,S]		
	S06.363 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.363 [A,D,S]	853.03 (above)	[M]
	S06.364 (with LOC of 6-24 hrs. ...) - S06.364 [A,D,S]		
	S06.365 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.366 [A,D,S]	853.04 (above)	[S]
	S06.366 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.366 [A,D,S]	853.05 (above)	[S]
	S06.367 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.367 [A]		
	S06.368 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.368 [A]		
	S06.36A (with LOC status unknown...) - S06.36A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]



	S06.369 (with LOC of unspecified duration...) - S06.369 [A,D,S]	853.06 (above)	[M]
		853.09 (above)	[M]
Focal traumatic brain injury continued...	--	<i>851.[4,6] (cerebellar or brain stem contusion and laceration...without mention of open intracranial wound)</i>	--
	<i>S06.37 (contusion, laceration, and hemorrhage of cerebellum...)</i>	<i>851.4 (cerebellar or brain stem <u>contusion</u> without mention of open intracranial wound...)</i> <i>851.6 (cerebellar or brain stem <u>laceration</u> without mention of open intracranial wound...)</i>	ICD9/10 [U/M]
	No comparable ICD10 code.	851.40 (unspecified state of consciousness) 851.60 (unspecified state of consciousness)	[M]
	S06.370 (without LOC...) - S06.370 [A,D,S]	851.41 (without LOC) 851.61 (without LOC)	[M]
	S06.371(with LOC of 30 min or less...) - S06.371 [A,D,S]	851.42 (with brief, [<1 hr.] LOC) 851.62 (with brief, [<1 hr.] LOC)	[M]
	S06.372 (with LOC of 31-59 minutes...) - S06.372 [A,D,S]		
	S06.373 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.373 [A,D,S]	851.43 (with moderate [1-24 hrs.] LOC) 851.63 (with moderate [1-24 hrs.] LOC)	[M]
	S06.374 (with LOC of 6-24 hrs. ...) - S06.374 [A,D,S]		
	S06.375 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.376 [A,D,S]	851.44 (with prolonged [>24 hrs.] LOC)	[S]
		851.64 (with prolonged [>24 hrs.] LOC)	
	S06.376 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.376 [A,D,S]	851.45 (with prolonged [> 24 hrs.] LOC, without return to pre-existing conscious level) 851.65 (with prolonged [> 24 hrs.] LOC, without return to pre-existing conscious level)	[S]
	S06.377 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.377 [A]		
	S06.378 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.378 [A]		



	S06.37A (with LOC status unknown...) - S06.37A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.379 (with LOC of unspecified duration...) - S06.379 [A,D,S]	851.46 (with LOC of unspecified duration) 851.66 (with LOC of unspecified duration)	[M]
		851.49 (with concussion, unspecified)	[M]
		851.69 (with concussion, unspecified)	
Focal traumatic brain injury continued...	<i>S06.38 (contusion, laceration, and hemorrhage of brainstem...)</i>	<i>851.6 (above)</i>	ICD9/10 [U/M]
	<i>No comparable ICD10 code.</i>	851.40 (above) 851.60 (above)	[M]
	S06.380A (without LOC, - S06.380 [A,D,S]	851.41 (above) 851.61 (above)	[M]
	S06.381 (with LOC of 30 min or less...) - S06.381 [A,D,S]	851.42 (above) 851.62 (above)	[M]
	S06.382 (with LOC of 31-59 minutes...) - S06.382 [A,D,S]		
	S06.383 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.383 [A,D,S]	851.43 (above) 851.63 (above)	[M]
	S06.384 (with LOC of 6-24 hrs. ...) - S06.384 [A,D,S]		
	S06.385 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.385 [A,D,S]	851.44 (above) 851.64 (above)	[S]
	S06.386 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.386 [A,D,S]	851.45 (above) 851.65 (above)	[S]
	S06.387 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.387 [A]		
	S06.388 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.388 [A]		
	S06.38A (with LOC status unknown...) - S06.38A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]



	S06.389 (with LOC of unspecified duration...) - S09.389 [A,D,S]	851.46 (above) 851.66 (above)	[M]
		851.49 (above) 851.69 (above)	[M]
	--	852.[0,2,4] (subarachnoid, subdural and extradural hemorrhage following injury...without mention of open intracranial injury)	--
Epidural hemorrhage	S06.4 (epidural hemorrhage)	852.4 (extradural hemorrhage following injury without mention of open intracranial wound...)	ICD9/10 [U/M]
	S06.4X (epidural hemorrhage...)		
	No comparable ICD10 code.	852.40 (with unspecified state of consciousness)	[M]
	S06.4X0 (without LOC...) - S06.4X0 [A,D,S]	852.41 (without LOC)	[M]
	S06.4X1 (with LOC of 30 min or less...) - S06.4X1 [A,D,S]	852.42 (with brief [< 1 hr.] LOC)	[M]
	S06.4X2 (with LOC of 31-59 minutes...) - S06.4X2 [A,D,S]		
	S06.4X3 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.4X3 [A,D,S]	852.43 (with moderate [1-24 hrs.] LOC)	[M]
	S06.4X4 (with LOC of 6-24 hrs. ...) - S06.4X4 [A,D,S]		
	S06.4X5 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.4X5 [A,D,S]	852.44 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	[S]
	S06.4X6 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.4X6 [A,D,S]	852.45 (with prolonged [>24 hrs.] LOC without return to pre-existing conscious level)	[S]
	S06.4X7 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.4X7 [A]		
	S06.4X8 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.4X8 [A]		
	S06.4XA (with LOC status unknown...) - S06.4XA [A,D,S]; <i>new 2023; added 2026</i>	No data available to convert codes added after 2018.	[M]



	S06.4X9 (with LOC of unspecified duration...) - S06.4X9 [A,D,S]	852.46 (with LOC of unspecified duration) 852.49 (with concussion unspecified)	[M] [M]
Traumatic subdural hemorrhage	<i>S06.5 (traumatic subdural hemorrhage)</i>	<i>852.2 (subdural hemorrhage following injury without mention of open intracranial wound...)</i>	ICD9/10 [U/M]
	<i>S06.5X (traumatic subdural hemorrhage...)</i>		
	<i>No comparable ICD10 code.</i>	852.20 (with <i>unspecified</i> state of consciousness)	[M]
	S06.5X0 (without LOC...) - S06.5X0 [A,D,S]	852.21 (without LOC)	[M]
	S06.5X1 (with LOC of 30 min or less...) - S06.5X1 [A,D,S]	852.22 (with brief [< 1 hr.] LOC)	[M]
	S06.5X2 (with LOC of 31-59 minutes...) - S06.5X2 [A,D,S]		
	S06.5X3 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.5X3 [A,D,S]	852.23 (with moderate [1-24 hrs.] LOC)	[M]
	S06.5X4 (with LOC of 6-24 hrs. ...) - S06.5X4 [A,D,S]		
	S06.5X5 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.5X5 [A,D,S]	852.24 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	[S]
	S06.5X6 (with LOC >24 hrs. <i>without</i> return to pre-existing conscious level with patient surviving...) - S06.5X6 [A,D,S]	852.25 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	[S]
	S06.5X7 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.5X7 [A]		
	S06.5X8 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.5X8 [A]		
	S06.5XA (with LOC status unknown...) - S06.5XA [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.5X9 (with LOC of unspecified duration...) - S06.5X9 [A,D,S]	852.26 (with LOC of unspecified duration) 852.29 (with concussion unspecified)	[M] [M]
	<i>S06.6 (traumatic subarachnoid hemorrhage)</i>		ICD9/10



Traumatic subarachnoid hemorrhage	<i>S06.6X (traumatic subarachnoid hemorrhage...)</i>	<i>852.0 (subarachnoid hemorrhage following injury without mention of open intracranial wound...)</i>	[U/M]
	No comparable ICD10 code.	852.00 (with unspecified state of consciousness)	[M]
	S06.6X0 (without LOC...) - S06.6X0 [A,D,S]	852.01 (without LOC)	[M]
	S06.6X1 (with LOC of 30 min or less...) - S06.6X1A [A,D,S]	852.02 (with brief [< 1 hr.] LOC)	[M]
	S06.6X2 (with LOC of 31-59 minutes...) - S06.6X2 [A,D,S]		
	S06.6X3 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.6X3 [A,D,S]	852.03 (with moderate [1-24 hrs.] LOC)	[M]
	S06.6X4 (with LOC of 6-24 hrs. ...) - S06.6X4 [A,D,S]		
	S06.6X5 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.6X5 [A,D,S]	852.04 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	[S]
	S06.6X6 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.6X6 [A,D,S]	852.05 (with prolonged [>24 hrs.] LOC without return to pre-existing conscious level)	[S]
	S06.6X7 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.6X7 [A]		
	S06.6X8 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.6X8 [A]		
	S06.6XA (with LOC status unknown...) - S06.6XA [A,D,S]; <i>new 2023; added 2026</i>	No data available to convert codes added after 2018.	[M]
	S06.6X9 (with LOC of unspecified duration...) - S06.6X9 [A,D,S]	852.06 (with LOC of unspecified duration)	[M]
		852.09 (with concussion unspecified)	[M]
Traumatic brain compression and herniation.	<i>S06.A (traumatic brain compression and herniation...); new 2022; added 2026</i>	No data available to convert codes added after 2018.	[M]
	S06.A0 (traumatic brain compression without herniation...) - S06.A0X [A,D,S]		[M]



	S06.A1 (traumatic brain compression <i>with</i> herniation...) - S06.A1X [A,D,S]		[S]
	<i>S06.8 (other specified intracranial injuries)</i>	<i>854 (above)</i>	<i>–</i>
Injury of internal carotid artery, intracranial portion, not elsewhere classified.	<i>S06.81 (injury of <u>right</u> internal carotid artery, intracranial portion, not elsewhere classified...); added 2026</i>	<i>854.0 (above)</i>	[M]
	S06.810 (without LOC...) - S06.810 [A,D,S]	854.01 (above)	[M]
	S06.811 (with LOC of 30 min or less...) - S06.811 [A,D,S]	854.02 (above)	[M]
	S06.812 (with LOC of 31-59 minutes...) - S06.812 [A,D,S]		[M]
	S06.813 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.813 [A,D,S]	854.03 (above)	[M]
	S06.814 (with LOC of 6-24 hrs. ...) - S06.814 [A,D,S]		[M]
	S06.815 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.815 [A,D,S]	854.04 (above)	[S]
	S06.816 (with LOC >24 hrs. <i>without</i> return to pre-existing conscious level with patient surviving...) - S06.816 [A,D,S]	854.05 (above)	[S]
	S06.817 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.817 [A]		[S]
	S06.818 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.818 [A]		[S]
	S06.81A (with LOC status unknown...) - S06.81A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.819 (with LOC of unspecified duration...) - S06.819 [A,D,S]	854.06 (above)	[M]
	<i>S06.82 (injury of <u>left</u> internal carotid artery, intracranial portion, not elsewhere classified...); added 2026</i>	<i>854.0 (above)</i>	[M]



	S06.820 (<i>without</i> LOC...) - S06.820 [A,D,S]	854.01 (above)	[M]
	S06.821 (with LOC of 30 min or less...) - S06.821[A,D,S]	854.02 (above)	[M]
	S06.822 (with LOC of 31-59 minutes...) - S06.822 [A,D,S]		[M]
	S06.823 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.823 [A,D,S]	854.03 (above)	[M]
	S06.824 (with LOC of 6-24 hrs. ...) - S06.824 [A,D,S]		[M]
	S06.825 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.825 [A,D,S]	854.04 (above)	[S]
	S06.826 (with LOC >24 hrs. <i>without</i> return to pre-existing conscious level with patient surviving...) - S06.826 [A,D,S]	854.05 (above)	[S]
	S06.827 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.827 [A]		[S]
	S06.828 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.828 [A]		[S]
	S06.82A (with LOC status unknown...) - S06.82A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[M]
	S06.829 (with LOC of unspecified duration...) - S06.829 [A,D,S]	854.06 (above)	[M]
Primary blast injury of brain, <i>not elsewhere classified</i>	<i>S06.8A (primary blast injury of brain, not elsewhere classified...); new 2023; added 2026</i>	<i>No data to convert ICD10 codes added after 2018.</i>	[m]
	S06.8A0 (<i>without</i> LOC...) - S06.8A0 [A,D,S]		
	S06.8A1 (with LOC of 30 min or less...) - S06.8A1 [A,D,S]		
	S06.8A2 (with LOC of 31-59 minutes...) - S06.8A2 [A,D,S]	<i>No data to convert ICD10 codes added after 2018.</i>	[M]



	S06.8A3 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.8A3 [A,D,S]		
	S06.8A4 (with LOC of 6-24 hrs. ...) - S06.8A4 [A,D,S]		
	S06.8A5 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.8A5 [A,D,S]	<i>No data to convert ICD10 codes added after 2018.</i>	[S]
	S06.8A6 (with LOC >24 hrs. <i>without</i> return to pre-existing conscious level with patient surviving...) - S06.8A6 [A,D,S]		
	S06.8A7 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.8A7 [A]		
	S06.8A8 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.8A8 [A]	<i>No data to convert ICD10 codes added after 2018.</i>	[m]
	S06.8AA (with LOC status unknown...) - S06.8AA [A,D,S]; <i>new 2023; added 2026</i>		
	S06.8A9 (with LOC of unspecified duration...) - S06.8A9 [A,D,S]		
Other specified intracranial injury	<i>S06.89 (other specified intracranial injury...)</i>	<i>854.0 (above)</i>	ICD9/10 [U/m] <i>(updated 2026)</i>
	<i>No comparable ICD10 code.</i>	854.00 (with <i>unspecified</i> state of consciousness)	[m]
	S06.890 (<i>without</i> LOC...) - S06.890 [A,D,S]	854.01 (above)	[m] <i>(updated 2026)</i>
	S06.891 (with LOC of 30 min or less...) - S06.891 [A,D,S]	854.02 (above)	[m] <i>(updated 2026)</i>
	S06.892 (with LOC of 31-59 minutes...) - S06.892 [A,D,S]	854.02 (above)	[M]
	S06.893 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.893 [A,D,S]	854.03 (above)	[M]



	S06.894 (with LOC of 6-24 hrs. ...) - S06.894 [A,D,S]		
	S06.895 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.895 [A,D,S]	854.04 (above)	[S]
	S06.896 (with LOC >24 hrs. without return to pre-existing conscious level with patient surviving...) - S06.896 [A,D,S]	854.05 (above)	[S]
	S06.897 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.897 [A]		
	S06.898 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.898 [A]		
	S06.89A (with LOC status unknown...) - S06.89A [A,D,S]; <i>new 2023; added 2026</i>	<i>No data available to convert codes added after 2018.</i>	[m]
	S06.899 (with LOC of unspecified duration...) - S06.899 [A,D,S]	854.06 (with LOC of unspecified duration)	[m] <i>(updated 2026)</i>
		854.09 (with concussion unspecified)	[m]
Unspecified intracranial injury	<i>S06.9 (unspecified intracranial injury)</i>	--	ICD9/10 [U/m] <i>(updated 2026)</i>
	<i>S06.9X (unspecified intracranial injury...)</i>	<i>854.0 (above...)</i>	
	S06.9X0 (without LOC...) - S06.9X0 [A,D,S]	854.01 (without LOC)	[m] <i>(updated 2026)</i>
	S06.9X1 (with LOC of 30 min or less...) - S06.9X1A [A,D,S]	854.02 (above)	[m] <i>(updated 2026)</i>
	S06.9X2 (with LOC of 31-59 minutes...) - S06.9X2 [A,D,S]	854.02 (above)	[M]
	S06.9X3 (with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.9X3 [A,D,S]	854.03 (above)	[M]
	S06.9X4 (with LOC of 6-24 hrs. ...) - S06.9X4 [A,D,S]		



	S06.9X5 (with LOC >24 hrs. with return to pre-existing conscious level...) - S06.9X5 [A,D,S]	854.04 (above)	[S]
	S06.9X6 (with LOC >24 hrs. <i>without</i> return to pre-existing conscious level with patient surviving...) - S06.9X6 [A,D,S]	854.05 (above)	[S]
	S06.9X7 (with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.9X7 [A]		
	S06.9X8 (with LOC of any duration with death due to other causes prior to regaining consciousness...) - S06.9X8 [A]		
	S06.9XA (with LOC status unknown...) - S06.9XA [A,D,S]; <i>new 2023; added 2026</i>	No data available to convert codes added after 2018.	[m]
	S06.9X9 (with LOC of unspecified duration...) - S06.9X9 [A,D,S]	854.06 (above)	[m] <i>(updated 2026)</i>
		854.09 (above)	[m] <i>(updated 2026)</i>
		907.0 (late effect of intracranial injury <i>without</i> mention of skull fracture)	ICD9/10 [U/m] <i>(updated 2026)</i>

Open Intracranial Injuries

Condition	ICD-10-CM Codes	ICD-9-CM Codes	Severity
	--	851.[1,3] (cerebral laceration and contusion...with open intracranial wound)	-
Cortex [cerebral] contusion with open intracranial wound.	Translated code S01.90XA (unspecified open wound of unspecified part of head) is too broad for inclusion. No comparable ICD10 codes; exact translation requires multiple codes.	851.1 (cortex [cerebral] contusion with open intracranial wound...)	[U]
		851.10 (with unspecified state of consciousness)	[P]
		851.11 (without LOC)	
		851.12 (with brief [< 1 hr.] LOC)	
		851.13 (with moderate [1-24 hrs.] LOC)	



		851.14 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		851.15 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	
		851.16 (with LOC of unspecified duration)	
		851.19 (with concussion, unspecified)	
Cortex [cerebral] laceration with open intracranial wound.	No comparable ICD10 codes; exact translation requires multiple codes.	851.3 (cortex [cerebral] laceration with open intracranial wound...)	[U]
		851.30 (with <i>unspecified</i> state of consciousness)	[P]
		851.31 (<i>without</i> LOC)	
		851.32 (with brief [< 1 hr.] LOC)	
		851.33 (with moderate [1-24 hrs.] LOC)	
		851.34 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		851.35 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	
		851.36 (with LOC of unspecified duration)	
		851.39 (with concussion, unspecified)	
	--	851.[5,7] (cerebellar or brainstem contusion and laceration...with open intracranial wound)	--
Cerebellar or brainstem contusion with open intracranial wound.	No comparable ICD10 codes; exact translation requires multiple codes.	851.5 (cerebellar or brainstem contusion with open intracranial wound...)	[U]
		851.50 (with <i>unspecified</i> state of consciousness)	[P]
		851.51 (<i>without</i> LOC)	
		851.52 (with brief [< 1 hr.] LOC)	
		851.53 (with moderate [1-24 hrs.] LOC)	
		851.54 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		851.55 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	



		851.56 (with LOC of unspecified duration)	
		851.59 (with concussion, unspecified)	
Cerebellar or brainstem laceration with <i>open</i> intracranial wound.	<i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	851.7 (cerebellar or brainstem laceration with open intracranial wound...)	[U]
		851.70 (with <i>unspecified</i> state of consciousness)	[P]
		851.71 (without LOC)	
		851.72 (with brief [< 1 hr.] LOC)	
		851.73 (with moderate [1-24 hrs.] LOC)	
		851.74 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		851.75 (with prolonged [>24 hrs.] LOC without return to pre-existing conscious level)	
		851.76 (with LOC of unspecified duration)	
		851.79 (with concussion, unspecified)	
Other and unspecified cerebral laceration and contusion with <i>open</i> intracranial wound.	<i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	851.9 (other and unspecified cerebral laceration and contusion, with open intracranial wound...)	[U]
		851.90 (with <i>unspecified</i> state of consciousness)	[P]
		851.91 (without LOC)	
		851.92 (with brief [< 1 hr.] LOC)	
		851.93 (with moderate [1-24 hrs.] LOC)	
		851.94 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		851.95 (with prolonged [>24 hrs.] LOC without return to pre-existing conscious level)	
		851.96 (with LOC of unspecified duration)	
		851.99 (with concussion, unspecified)	
	--	852.[1,3,5] (subarachnoid, subdural, and extradural hemorrhage following injury...with open intracranial wound)	—



Subarachnoid hemorrhage following injury with <i>open</i> intracranial wound.	<i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>852.1 (subarachnoid hemorrhage following injury with open intracranial wound...)</i>	[U]
		852.10 (with <i>unspecified</i> state of consciousness)	[P]
		852.11 (<i>without</i> LOC)	
		852.12 (with brief [< 1 hr.] LOC)	
		852.13 (with moderate [1-24 hrs.] LOC)	
		852.14 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		852.15 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	
		852.16 (with LOC of unspecified duration)	
		852.19 (with concussion, unspecified)	
Subdural hemorrhage following injury with <i>open</i> intracranial wound.	<i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>852.3 (subdural hemorrhage following injury with open intracranial wound...)</i>	[U]
		852.30 (with <i>unspecified</i> state of consciousness)	[P]
		852.31 (<i>without</i> LOC)	
		852.32 (with brief [< 1 hr.] LOC)	
		852.33 (with moderate [1-24 hrs.] LOC)	
		852.34 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		852.35 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	
		852.36 (with LOC of unspecified duration)	
		852.39 (with concussion, unspecified)	
Extradural hemorrhage following injury with <i>open</i> intracranial wound.	<i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	<i>852.5 (extradural hemorrhage following injury with open intracranial wound...)</i>	[U]
		852.50 (with <i>unspecified</i> state of consciousness)	[P]
		852.51 (<i>without</i> LOC)	
		852.52 (with brief [< 1 hr.] LOC)	
		852.53 (with moderate [1-24 hrs.] LOC)	



		852.54 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		852.55 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	
		852.56 (with LOC of unspecified duration)	
		852.59 (with concussion, unspecified)	
Other and unspecified intracranial hemorrhage with <i>open</i> intracranial wound.	<i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	853.1 (other and unspecified intracranial hemorrhage with open intracranial wound...)	[U]
		853.10 (with <i>unspecified</i> state of consciousness)	[P]
		853.11 (<i>without</i> LOC)	
		853.12 (with brief [< 1 hr.] LOC)	
		853.13 (with moderate [1-24 hrs.] LOC)	
		853.14 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		853.15 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	
		853.16 (with LOC of unspecified duration)	
		853.19 (with concussion, unspecified)	
Intracranial injury of other and unspecified nature with <i>open</i> intracranial wound.	<i>No comparable ICD10 codes; exact translation requires multiple codes.</i>	854.1 (intracranial injury of other and unspecified nature with open intracranial wound...)	[U]
		854.10 (with <i>unspecified</i> state of consciousness)	[P]
		854.11 (<i>without</i> LOC)	
		854.12 (with brief [< 1 hr.] LOC)	
		854.13 (with moderate [1-24 hrs.] LOC)	
		854.14 (with prolonged [>24 hrs.] LOC and return to pre-existing conscious level)	
		854.15 (with prolonged [>24 hrs.] LOC <i>without</i> return to pre-existing conscious level)	



		854.16 (with LOC of unspecified duration)	
		854.19 (with concussion, unspecified)	

Condition	ICD-10-CM Codes	ICD-9-CM Codes	Severity
Crush Injury			
Crush injury	<i>S07.1 (crushing injury of skull)</i>	<i>Translated code, ICD9 906.4 (late effect of crushing), is too broad for inclusion. The code is not specific to skull or head injury.</i>	[M]
	- S07.1XXA (initial encounter)		
	- S07.1XXD (subsequent encounter)		
	- S07.1XXS (sequela)		

Condition	ICD-10-CM Codes	ICD-9-CM Codes	Severity
Other Head Injuries			
Head injury, unspecified	<i>Translated ICD10 codes S09.8 (other specified injuries of head) and S09.90 (unspecified injury of the head) are not included. (See Comments below)</i>	959.01 (head injury, unspecified)	[m]

Condition	ICD-10-CM Codes	ICD-9-CM Codes	Severity
Personal History of TBI			
History of TBI	Z87.820 (personal history of traumatic brain injury)	V15.52 (personal history of traumatic brain injury)	[U] <i>(updated 2026)</i>

DOD Unique Codes (DODUC) and ICD9 Extender Codes

- The TBI ICD9 extender codes, (1_9 and A_F), are not part of the ICD-9-CM coding system. They are one-character extenders (6th digits) added to a specific ICD9 code to denote a unique meaning. The codes were developed by TRICARE and adapted for use in the DoD to capture additional detail on the nature of injury, (e.g., penetrating vs. non-penetrating, severity of injury, loss of consciousness, post-traumatic amnesia, Glasgow Coma Scale, etc.) and to indicate if the diagnosis was made in the context of the Global War on Terrorism (GWOT). The TBI-specific V-codes became available on January 28, 2008.
- The MHS Reference Group Synchronization Work Group, with input from the TBI functional community, have recommended inactivating the collection of TBI DOD Unique Codes (DODUC) in MHS Genesis, starting October 1, 2018. However, because the codes remain in use in some locations, they will continue to be used for TBI case finding.



DOD Codes for use with ICD-10-CM **ICD-9-CM Codes** **Severity**

TBI DODUC and Extender Codes				
DOD0101	PERS HX, TBI, LVL-UKN	Personal history of traumatic brain injury (TBI), highest level of severity unknown.	V15.5 (injury) <i>with extender codes...</i> [1,6,B]	[U] <i>(updated 2026)</i>
			V15.52 (personal history of traumatic brain injury) <i>with extender code...</i> [1,6,B]	
			V15.59 (personal history of other injury) <i>with extender codes...</i> [1,6,B]	
DOD0102	PERS HX, TBI, LVL-MILD	Personal history of traumatic brain injury (TBI), highest level of severity mild (Glasgow coma scale 13-15), LOC < 1hr, post trauma amnesia < 24hrs.	V15.5 (injury) <i>with extender codes...</i> [2,7,C]	[m]
			V15.52 (personal history of traumatic brain injury) <i>with extender codes...</i> [2,7,C]	
			V15.59 (personal history of other injury) <i>with extender codes...</i> [2,7,C]	
DOD0103	PERS HX, TBI, LVL-MODERATE	Personal history of traumatic brain injury (TBI), highest level of severity moderate (Glasgow coma scale 9-12), LOC 1-24 hrs., post trauma amnesia 2-7 days.	V15.5 (injury) <i>with extender codes...</i> [3,8,D]	[M]
			V15.52 (personal history of traumatic brain injury) <i>with extender codes...</i> [3,8,D]	
			V15.59 (personal history of other injury) <i>with extender codes...</i> [3,8,D]	
DOD0104	PERS HX, TBI, LVL-SEVERE	Personal history of traumatic brain injury (TBI), highest level of severity severe (Glasgow coma scale 3-8), LOC > 24 hrs., post trauma amnesia > 7 days.	V15.5 (injury) <i>with extender codes...</i> [4,9,E]	[S]
			V15.52 (personal history of traumatic brain injury) <i>with extender code...</i> [4,9,E]	
			V15.59 (personal history of other injury) <i>with extender codes...</i> [4,9,E]	
DOD0105	PERS HX, TBI, LVL-PENETRATING	Personal history of traumatic brain injury (TBI), penetrating intracranial wound (no level of severity assigned)	V15.5 (injury) <i>with extender codes...</i> [5,A,F]	[P]
			V15.52 (personal history of traumatic brain injury) <i>with extender codes...</i> [5,A,F]	
			V15.59 (personal history of other injury) <i>with extender codes...</i> [5,A,F]	
ICD9 Extender codes	1_ Personal history of TBI, Global War On Terrorism (GWOT) Related, Unknown level of severity.			[U]
	2_ Personal history of TBI, GWOT Related, Mild (Glasgow Coma Scale 13-15), LOC < 1hr., Post Trauma Amnesia < 24 hrs.			[m]



3_ Personal history of TBI, GWOT Related, Moderate (Glasgow Coma Scale 9-12), LOC 1-24 hrs., Post Trauma Amnesia 1-6 days.	[M]
4_ Personal history of TBI, GWOT Related, Severe (Glasgow Coma Scale 3-8), LOC > 24 hrs., Post Trauma Amnesia > 6 days.	[S]
5_ Personal history of TBI, GWOT Related, Penetrating Intracranial Wound.	[P]
6_ Personal history of TBI, Not GWOT Related, Unknown level of severity.	[U]
7_ Personal history of TBI, Not GWOT Related, Mild (Glasgow Coma Scale 13-15), LOC < 1 hr., Post Trauma Amnesia < 24 hrs.	[m]
8_ Personal history of TBI, Not GWOT Related, Moderate (Glasgow Coma Scale 9-12), LOC 1-24 hrs. Post Trauma Amnesia 1-6 days.	[M]
9_ Personal history of TBI, Not GWOT Related, Severe (Glasgow Coma Scale 3-8), LOC > 24 hrs., Post Trauma Amnesia > 6 days.	[S]
A_ Personal history of TBI, Not GWOT Related, Penetrating Intracranial Wound.	[P]
B_ Personal history of TBI, Unknown if GWOT Related, Unknown level of severity.	[U]
C_ Personal history of, Unknown if GWOT Related, Mild (Glasgow Coma Scale 13-15), LOC < 1 hr., Post Trauma Amnesia < 24 hrs.	[m]
D_ Personal history of Unknown if GWOT Related, Moderate (Glasgow Coma Scale 9-12), LOC 1-24 hrs., Post Trauma Amnesia 1-6 days.	[M]
E_ Personal history of TBI, Unknown if GWOT Related, Severe (Glasgow Coma Scale 3-8), LOC > 24 hrs., Post Trauma Amnesia > 6 days	[S]
F_ Personal history of TBI, Unknown if GWOT Related, Penetrating Intracranial Wound.	[P]

Deleted Codes

- The following codes, originally in the DoD TBI code set, have been “deleted” from the ICD-10-CM coding system and are no longer in use. A code may be deleted when it no longer reflects current medical practice, when medical knowledge evolves and renders the code obsolete or when the code no longer represents a condition being documented.
- Deleted codes will still appear in the data from October 1, 2015 - October 1, 2017. For the purposes of case finding, they will remain in the code list in Appendix I (TBI ICD9_ICD10 Code Sets Excel).

Condition	ICD-10-CM Codes	ICD-9-CM Codes	Severity
Deleted Codes			
Concussion	<i>S06.0X[2-8] (concussion)</i>	<i>850.[12,2-4] (concussion)</i>	[m]
<i>(Deleted 2017)</i>	S06.0X2 (concussion with LOC of 31-59 minutes...) - S06.0X2A [A,D,S]	850.12 (concussion with LOC from 31-59 mins)	[M]



	S06.0X3 (concussion with LOC of 1 hr. to 5 hrs. 59 mins...) - S06.0X3A [A,D,S]	850.2 (concussion with moderate LOC)	[M]
	S06.0X4 (concussion with LOC of 6-24 hrs. ...) - S06.0X4A [A,D,S]		[M]
	S06.0X5 (concussion with LOC > 24 hrs. with return to pre-existing conscious level...) - S06.0X5A [A,D,S]	850.3 (concussion with prolonged LOC and return to pre-existing conscious level)	[S]
	S06.0X6 (concussion with LOC > 24 hrs. <i>without</i> return to pre-existing conscious level with patient surviving...) - S06.0X6A [A,D,S]	850.4 (concussion with prolonged LOC, <i>without</i> return to pre-existing conscious level)	[S]
	S06.0X7 (concussion with LOC of any duration with death due to brain injury prior to regaining consciousness...) - S06.0X7A [A,D,S]	<i>Translated code (850.5) remains in TBI code set above.</i>	[S]
	S06.0X8 (concussion with LOC of any duration with death due to other causes before regaining consciousness...) - S06.0X8A [A,D,S]		[S]
Skull fractures <i>(Deleted 2017)</i>	S02.10XA (unspecified fracture of base of skull, initial encounter for <i>closed</i> fracture)	<i>Translated code (801.1) remains in TBI code set above.</i>	ICD9/10 [U/M]
	S02.10XB (unspecified fracture of base of skull, initial encounter for <i>open</i> fracture)	<i>Translated code (801.5) remains in TBI code set above.</i>	ICD9/10 [U/P]
	S02.8XXA (fracture of other specified <i>skull and facial bones</i> , initial encounter for <i>closed</i> fracture)	<i>ICD9 code not included, does not specify skull fracture.</i>	[m]
	S02.8XXB (fracture of other specified skull and facial bones, initial encounter for <i>open</i> fracture)	<i>ICD9 code not included, does not specify skull fracture</i>	[P]

Development and Revisions

- Comprehensive reviews and updates: 2015, 2019, 2026.
- In December of 2015 the case definition was updated to include ICD10 codes.
- The original case definition for TBI was developed in August 2008. Development was a collaborative effort based on the expertise and consensus opinion of DVBIC, the Traumatic Brain Injury Task Force, the Defense Centers of Excellence for Psychological Health, the TBICoE, the US Army Public Health Command (USAPHC), formerly the Center for Health Promotion and



Preventive Medicine (CHPPM), the Armed Forces Health Surveillance Center (AFHSC), and the Centers for Disease Control and Prevention (CDC).⁷

Case Definition and Incidence Rule Rationale

- *Diagnostic position:* The case definition allows a case defining diagnosis in *any* diagnostic position. In 2026, the TBICoE and AFSHD workgroup discussed limiting the diagnostic position. While limiting the diagnostic position would increase specificity, the workgroup determined the existing methodology is better for capturing TBIs sustained in a polytrauma setting where the diagnosis may be assigned to a later position. The existing methodology also better aligns with the goals of DoW TBI surveillance, (i.e., to capture as many cases as possible).
- *Incidence date:* The incidence date, also called the “date of event,” identifies a Service member’s first TBI diagnosis during active duty. The associated medical encounter may or may not correspond to the date of injury, (i.e., the date the actual TBI was sustained). The date of an individual’s initial TBI medical encounter determines the calendar year in which they are considered an incident case.
- *Personal history of TBI:* Individuals whose medical record contains a personal history of TBI code *only*, (i.e., ICD10 Z87.820 / ICD9 V15.52, DODUC, or DOD 0101-0105), are considered an incident case. In such cases, the incident date is considered the date the individual presents for care and reports their TBI history to a provider.
- *Once per lifetime incidence rule:* To maintain consistency with the standard AFHSD methodology for surveillance of injuries, an individual is considered an incident case *once per lifetime*. A lifetime incidence rule is used to count one event per service member per lifetime based on medical record data for service members while they are in military service. This methodology is used for the “DoD Numbers for TBI Worldwide” report.⁸

Except for a “personal history of TBI” reported by an individual, a lifetime incidence rule does not capture injury the individual might have sustained before Service. Also, it does not capture a new repeat injury. If an individual sustains more than one TBI, only their first injury will be counted as a case. Therefore, the methodology may underestimate the total number of incident cases in the surveillance population.

- *Counting multiple or repeat TBIs:* In 2026, the TBICoE and AFHSD workgroup discussed adding a “gap rule” to the case finding criteria to improve the specificity of TBI incidence estimates. The goal of a gap rule is to more accurately capture all cases of TBI, including multiple or repeat injuries that occur in a single individual and not currently captured by the existing methodology. A gap rule defines when a reported case should be counted as a *new* incident case rather than an encounter for follow-up care for the same injury. Typically, a gap rule requires a minimum time interval between incident cases, (i.e., an absolute incidence rule), or a minimum symptom free interval between cases, (i.e., a gap in care rule). Presently, the TBICoE is conducting analyses of using a 6-month absolute incidence rule for mild concussions. The TBICoE will continue to evaluate the feasibility of using a gap rule taking into consideration the clinical course of TBIs with different severity classifications.⁹

⁷ Historical rationale for code decisions obtained from Executive Summaries of the “Surveillance Workgroup meetings for TBI related ICD9 codes” sponsored by the Defense and Veterans Brain Injury Center (DVBIC) and the TBI Component of the Defense Centers of Excellence (DCoE), Oct 8, Aug 27, and Sept 17, 2008.

⁸ [DoD Numbers for Traumatic Brain Injury Worldwide; accessed January 2026](#); accessed June 2026.

⁹ Agimi Y, Earyes L, Deressa T, Stout K. Estimating Repeat Traumatic Brain Injury in the U.S. Military, 2015-2017. *Mil Med.* 2022 Mar 28;187(3-4). <https://academic.oup.com/milmed/article/187/3-4/e360/6138202>; accessed June 2026.



Code Set Determination and Rationale

- *ICD10 7th position character codes:* In ICD10 most injury diagnosis codes have a character (letter) in the 7th position that specifies whether the diagnosis involves the initial medical encounter [A], subsequent encounter [D], or a sequela [S]. Fracture injury diagnosis codes utilize additional characters in the 7th position: [A] initial encounter for closed fracture, [B] initial encounter for open fracture, [D] subsequent encounter for fracture with routine healing, [G] subsequent encounter for fracture with delayed healing, [K] subsequent encounter for fracture with nonunion and [S] sequela.
- In 2026 the TBICoE and AFHSD workgroup reviewed the code set and made the following determinations:
 - *ICD10 7th position character codes:* Updated the code set to include TBI codes with all characters—A, B, D, G, K and S—in the 7th position. Prior to June 2026, only TBI codes with characters “A” and “B” in the 7th position were included in the code set. The intent of this update was to ensure that service members with *only one listed* TBI code that contained the 7th position characters D, G, K and S would be counted as a case. In support of this update and to understand the impact on case counts, the TBICoE conducted a separate analysis of medical encounters with an assigned TBI code that contained the characters “D” and “S” in the 7th position and met the definition of a first-lifetime TBI and compared the results to the current methodology. The analysis showed that including these codes resulted in approximately a 0.3% increase (1,764 cases) of new TBI cases for the period between calendar year 2024 and the third quarter of 2025. Based on these findings, the TBICoE recommended adding all 7th position characters codes to the code set.
 - *New ICD10 codes:* Incorporated the following *new* ICD10 codes into the code set: S06.A0X and S06.A1X (traumatic brain compression and herniation), S06.8Ax (primary blast injury of brain, not elsewhere classified) and S06.xxX intercranial injuries (*with* LOC status unknown). The following *existing* codes, not previously included in the code set, were also *added* to the code set: S06.81 and S06.82 (intracranial injury of the internal carotid artery (S06.81, S06.82), see rationale below.
 - *Defense Centers for Public Health (DCPH) Taxonomy of Injuries.* Reviewed the DCPH TBI-related injury codes included in the Taxonomy of Injuries. The Taxonomy, adopted by the Tri-Service Military Injuries Working Group, broadly defines injuries as bodily damage resulting from external energy transfer.^{10,11} The DCPH code set includes all codes in the DoW TBI case definition, and additional codes that align with the Taxonomy’s definition of injury. Based on the DoW definition of TBI, the work group considered adding these additional codes to the code set and made the following determinations:
 - *Added ICD10 code S06.810-0682A* (injury of internal carotid artery, intracranial portion). While there was discussion on whether an injury to an artery within the cranium qualifies as a direct “structural injury” to the brain, the workgroup concluded that injuries to the carotid artery, categorized in the S06 (intercranial injuries) category of the ICD-10-CM, should be included in the code set. Including these codes also aligns with the CDC TBI case definition.

¹⁰ U.S. Army Public Health Center. (2017). Public Health Information Paper No. 12-01-0717: A Taxonomy of Injuries for Public Health Monitoring and Reporting. Prepared by VD Hauschild, K Hauret, M Richardson, and BH Jones. <https://apps.dtic.mil/sti/pdfs/AD1039481.pdf>; assessed June 2026.

¹¹ Defense Centers for Public Health - Aberdeen. (2023). Technical Information Paper No. 010-0523: A Standardized Approach to Department of Defense Medical Surveillance of Injuries: Initial Objectives of the Military Injuries Working Group, 2019-2022. Prepared by M Canham-Chervak, VD Hauschild, A Schuh-Renner, K Oden, and BH Jones. <https://apps.dtic.mil/sti/trecms/pdf/AD1204754.pdf>; assessed June 2026.



- Do not include ICD10 codes S04.20-S04.22 (injury of trochlear nerve), S04.30-S04.32 (injury of trigeminal nerve) and S04.40-S04.42 (injury of abducent nerve). The workgroup concluded that nerve injuries alone are not enough to confirm structural damage to the brain or a physiological disruption of brain function without explicit clinical signs like alteration in mental status or loss of consciousness, as required by the DoW TBI definition.
- Do not include ICD10 codes G97.0 (cerebrospinal fluid leak from spinal puncture), G97.2 (intracranial hypotension following ventricular shunting) and G97.41 (accidental puncture or laceration of dura during a procedure). These codes relate to iatrogenic injuries, or injuries caused by medical procedures. The workgroup determined injuries from medical procedures may not meet the "external force" criteria outlined in the DoW TBI definition and may not always result in injury to the brain parenchyma itself, which is essential for TBI.
- *Unspecified head injury*: Reviewed the 2015 DIVBIC and AFHSB decision to keep ICD9 code 959.01 (head injury, unspecified) in the code set, despite excluding the corresponding ICD10 code S09.90 (unspecified injury of the head). The workgroup determined ICD9 959.01 should remain in the code set because the term "head injury" has historically been used synonymously with concussion/TBI. Furthermore, ICD-9-CM, as opposed to ICD-10-CM, lacks specificity, allowing a single code to capture a relatively broad category of diagnoses. Therefore, the workgroup concluded it is highly likely that ICD9 959.01 could have been used for TBI/concussion when the provider did not have sufficient information to determine a specific type of TBI.
- *Incomplete codes*: Reviewed the TBICoE methodology of using "incomplete" codes, (i.e., codes lacking a description of loss of consciousness, encounter type, or otherwise incomplete codes) to count incident cases of TBI. For the purposes of this case definition, incomplete codes are only used if full information is not available. If a character code in the 7th position [A,B,D,G,K,S], the 6th position [1-9] or the 5th position [X] is missing, the remaining code characters will be used to identify a case of TBI.
- *ICD9 ↔ ICD10 Mapping*
 - ICD9 codes with characters (6) in the 5th position indicating a TBI with "loss of consciousness of *unspecified* duration" and (9) indicating a TBI "*with* concussion *unspecified*" are mapped to ICD10 codes with a character (9) in the 6th position indicating a TBI "*with* loss of consciousness of *unspecified* duration."
 - ICD9 codes with the character (0) in the 5th position indicate a TBI with an "*unspecified* state of consciousness." These codes have "no comparable code in ICD10," meaning the approximate conversions suggested by the CMS General Equivalence Mapping lack sufficient specificity for TBI surveillance purposes. In 2023, *new*, comparable ICD10 codes—S06.xxA (intracranial injuries...*with* LOC status unknown)—were added to the code set; no retroactive changes to the ICD9 code set were made.
 - ICD10 codes with characters in the 7th position are mapped to only one corresponding ICD9 code. Converting ICD10 codes with all characters in the 7th position requires multiple ICD9 codes from various categories which is not feasible for analysis.
- *Screening codes*: ICD10 Z13.850 (encounter for screening for traumatic brain injury) is not included in the code set and is not used by the TBICoE for routine TBI surveillance. However, TBICoE does utilize this code for tracking patient care and for research purposes.



- *Best practices:* For information on best practices on TBI coding in the Military Health System, refer the “ICD-10-CM Coding Guidance for Traumatic Brain Injury” and the “Specialty Coding Guidelines (Version 3.2, effective date 2009/10/01 for ICD9)” by the Unified Biostatistical Utility working group.^{12,13}
- In 2015, the Armed Forces Health Surveillance Branch (AFHSB) and DVBIC workgroup reviewed and compared the code sets used by the CDC and the DoD for TBI surveillance and made the following determinations:
 - The DoD will continue to capture data for ICD10 F07.81 / ICD9 310.2 (post-concussion syndrome). The DoD has a full set of linked health data and can determine when this condition is the first TBI-related diagnosis. This code is not included in the CDC TBI case definition.
 - ICD10 code S01.90X (unspecified open wound of unspecified part of head) is not included in this code set. The code may represent a minor injury such as a scalp laceration and is deemed to lack sufficient specificity to classify an injury as a TBI for the purposes of DoD TBI surveillance.
 - To be consistent with the CDC, ICD10 code S02.8^ (fracture of other specified skull *and* facial bones) and ICD10 code S07.1^ (crushing injury of skull) were added to the code set. The corresponding ICD9 codes 802.8 (closed fracture of other facial bones), 802.9 (open fracture of other facial bones, and 925.1 (crushing injury of face and scalp) do not mention skull fractures and will not be included in the DoD code set.
 - ICD10 code S09.8 (other specified injuries of head) and S09.90 (unspecified injury of the head) are not included in the code set given emerging epidemiological evidence of their lack of specificity.¹⁴ This is consistent with the CDC. The corresponding ICD9 code 959.01 (head injury, unspecified) will remain in the code set until further analyses are performed.
 - ICD10 code T74.4 / ICD9 995.55 (shaken infant syndrome) is included in the CDC TBI code set. It is not included in the DoW TBI code set because it is not relevant to military Service members. Investigators interested in TBI surveillance among Military Health System (MHS) beneficiary groups may want to consider including this code.
 - Investigators specifically interested in surveillance of ICD10 S06.1X (traumatic cerebral edema) may want to use ICD9 854.0 (intracranial injury of other and unspecified nature, without mention of open intracranial injury) *with* ICD9 348.5 (cerebral edema) in the query. ICD9 348.5 is not included in this definition.
- In January 2010, ICD9 codes V15.52[1-9] and V15.52[A-F] were added to the surveillance case definition. These codes replaced the V15.5 and the V15.59 series of codes. The original codes are still included in the surveillance case definition for analyses using data from 2010 and prior.
- In December 2008, ICD9 code 907.0 (late effect of intracranial injury without mention of skull fracture) was added to the code set. The TBI workgroup felt that adding 907.0 would improve accuracy. The workgroup acknowledged that late effect codes might suggest a consequence of TBI

¹² Available at <https://health.mil/Reference-Center/Publications/2026/01/23/ICD10-Coding-Guidance-for-TBI>; accessed June 2026.

¹³ Unified Biostatistical Utility Group (UBU Coding Guidelines, Appendix G. Available at https://www.mhsinformatics.org/AHLTA-Files/Coding-Files/Professional_Services_and_Specialty_Coding_Guidelines_02192009-RCM.docx; accessed June 2026.

¹⁴ Bazarian, J. J., Veazie, P., Mookerjee, S., & Lerner, E. B. (2006). Accuracy of mild traumatic brain injury case ascertainment using ICD-9 codes. *Academic Emergency Medicine*, 13(1), 31-38.



versus a prevalent case and that the purpose of DoD surveillance is to track the prevalence of TBI and not the consequences of TBI.

The possibility of adding ICD9 code 905.0 (late effect of fracture of skull and face bones) was also discussed by the workgroup. The code was not included because the code included facial fractures and the work group felt this might add a large number of face and nose fractures that were not accompanied by a TBI.

- In October 2008, the DVBIC and AFHSC TBI workgroup made the following changes to the TBI case definition to standardize the code sets used by DVBIC, AFHSC, and the CDC. These changes significantly increased the numbers of TBI cases ascertained for routine surveillance.
 - Added ICD9 code 310.2 (post-concussion syndrome) to the code set. The code was added because there are some instances where there are no electronic records of earlier encounters associated with other TBI codes. In such instances, ICD9 310.2 may be the only indicator that a TBI has been sustained.

The CDC does not include ICD9 310.2 in their TBI case definition because the code likely indicates prevalent cases and they are interested in incident cases only. On the contrary, the objectives of military surveillance are to identify those suffering from TBI and TBI-related conditions, (i.e., prevalent cases, as well as incident cases of TBI).

- Removed ICD9 code 802 (fracture of face bones) from the code set. The workgroup agreed that, although the 802 series is a possible indicator of a TBI, the inclusion of a diagnosis in the 802 series, without any other defining TBI code, would increase the number of false positives.
- Added ICD9 codes 950.1-950.3 (injury to optic chiasm, optic pathways, visual cortex) and V codes V15.5[1-9] and V15.5 [A-F] to the code set. These changes were made to be consistent with the CDC and to make the data analysis “all-inclusive and comparable to civilian numbers.”

Severity Classification Determination and Rationale

- In 2026, the TBICoE and AFHSD workgroup reviewed the TBI severity classifications and associated methodologies and made the following determinations:
 - *Severity classification of parent codes and incomplete codes:* The workgroup reviewed the methodology for classifying parent codes and incomplete codes and determined the existing methodology of assigning severity according to the “lowest severity in the series” should remain unchanged. Historically, parent codes and incomplete codes were categorized as TBIs of “Unclassifiable” severity. In 2015, the DVBIC and AFHSB workgroup changed the methodology to the “lowest severity in the series” methodology. For example, prior to 2015, ICD10 code S06.0 (concussion), a parent code, was categorized as a TBI of “Unclassifiable” severity; after 2015, the code was classified as a TBI of “mild” severity according to the severity of similar codes in the series such as S06.0X0A (concussion *without* LOC, initial encounter) and S06.0X9A (concussion with LOC of unspecified duration, initial encounter).
 - *Severity classification of ICD10 S06 codes with LOC status unknown:* This series of codes was added to the ICD-10-CM in 2023 and added to the code set in 2026. The workgroup determined ICD10 S06 codes with LOC status unknown should be assigned severity according to the “lowest severity in the series” methodology. For example, S06.0XA (concussion with LOC status unknown) and S06.0XAA (concussion with LOC status unknown, initial encounter) are classified as “mild” according to similar codes in the series, such as S06.0X0A (concussion *without* LOC, initial encounter) and S06.0X9A (concussion with LOC of unspecified duration, initial encounter). Similarly, S06.1XA (traumatic cerebral edema with LOC status unknown) and S06.1XAA (traumatic cerebral edema with LOC status



- unknown, initial encounter) are classified as "Moderate" according to similar to codes in the series like S06.1X0 (traumatic cerebral edema *without* LOC, initial encounter) and S06.1X9A (traumatic cerebral edema with LOC of unspecified duration, initial encounter).
- *Severity classification of ICD10 codes S06.89 (other specified intracranial injury) and S06.9X (unspecified intracranial injury)*: The workgroup reviewed the severity assignments for these codes. ICD10 code S06.89 is often used as a "catch-all" code for intracranial injuries when a more specific code is not available. Similarly, ICD10 code S06.9X is used when there is insufficient clinical information about the nature or location of the intracranial injury.¹⁵ Because the actual intracranial injuries represented by these codes can range from minor to severe, the workgroup determined severity should be assigned according to the "lowest severity in the series" methodology, (i.e., "mild" verses the previously designated "Moderate" severity). Accordingly, the severity classifications for S06.89[0,1,9] and S06.9X[0,1,9] were updated from "Moderate" to "mild" to align with codes in the series,
 - *Severity classification of ICD10 code series S06.8A (primary blast injury of the brain, not elsewhere classified)*: This series of codes was new to ICD-10-CM in 2023 and added to the code set in 2026. ICD10 S06.8A is used to identify brain injuries caused by the pressure wave from a high-or low-level blast. The effects of a primary blast injury can vary significantly, ranging from mild injuries with no loss of consciousness to severe injuries with prolonged loss of consciousness. To ensure severity is not overstated in less severe cases, the workgroup determined that the lowest severity for TBIs associated with this code should be classified as "mild," with the severity assignment progressing based on the duration of LOC as outlined in the official TBI severity classification guidelines¹⁶.
 - *Severity classification of ICD10 codes S06.81 and S06.82 (injury of internal carotid artery, intracranial portion, not elsewhere classified)*: These codes were added to the code set in 2026 and refer to injuries of the *intracranial* segment of the right (S06.81.x) and left (S06.82.x) internal carotid arteries. Diagnosis involves imaging studies with abnormal findings. The injuries also carry a high risk of severe neurological deficits and other complications; therefore, the workgroup determined the lowest severity assignment appropriate for TBIs associated with this code is "Moderate," with the severity assignment progressing based on the duration of LOC as outlined in the official TBI severity classification guidelines.
 - *Severity classification of ICD10 codes S06.A[0,1] (traumatic brain compression and herniation)*: These codes were added to the code set in 2026. The injuries may involve serious brain damage, and the diagnosis involves imaging studies with abnormal findings; therefore, the workgroup determined the lowest severity assignment appropriate for TBIs associated with this code is "Moderate." Herniation, (i.e., the physical displacement of brain tissue) is often associated with severe brain injury and life-threatening complications; therefore, S06.A1 (traumatic brain compression *with* herniation) is categorized as "Severe," whereas S06.A0 (traumatic brain compression *without* herniation) is categorized as "Moderate."
 - *Severity classification of skull fractures*: The workgroup reviewed the current classification of skull fractures as either closed (mild/Moderate) or open (Penetrating) and suggested the methodology may be overly simplistic and potentially inaccurate. The mere presence or absence of a wound does not necessarily indicate or rule out a penetrating injury. For example, an individual could have a closed fracture (no wound) from a blunt trauma where a bone fragment penetrates the dura and parenchyma. The TBICoE will perform further analysis and work with AFHSD and other partners to revisit the criteria for classifying severity of skull fractures and provide more comprehensive guidance when available.

¹⁵ [ICD-10-CM Official Guidelines for Coding and Reporting](#); accessed June 2026.

¹⁶ [TBI Severity Classifications. TBI Center of Excellence \(TBICoE\): DoD Worldwide Numbers for TBI](#); accessed June 2026.



- *Severity classification of subsequent encounters associated with skull fractures:* Initial encounter code S02.xxxA is used for *closed* fractures and S02.xxxB is used for *open* fractures. The subsequent encounter codes—D (routine healing), G (delayed healing), K (nonunion) and S (sequela)—do not indicate the original open or closed status; therefore, assigning severity according to open or closed status is not applicable. For subsequent fracture codes, severity is assigned using the “lowest severity in the code series” methodology.
 - *Severity classification of personal history of TBI codes:* The workgroup updated the methodology for classifying personal history of TBI codes. Previously, personal history codes without a specified severity were automatically classified as a “mild” TBI. Moving forward, any personal history of TBI code that does not specify severity will be assigned an “Unclassifiable” severity. If the code’s description contains a specific severity, that level will be assigned accordingly.
 - *Severity prioritization of documented TBI encounters:* Severity categories are ranked from more to less severe as follows: Penetrating, Severe, Moderate, Mild, and Unclassifiable. For the purposes of TBI reporting, a case must always reflect the highest level of TBI severity documented in the medical record. For example, if an individual has an initial case-defining encounter with a mild TBI diagnosis and later a medical encounter with a Moderate TBI diagnosis, the case will be upgraded and classified as Moderate.
- Given the current case definition is based on a lifetime incidence rule, (i.e., it does not use a gap rule to capture multiple TBIs), the existing severity prioritization methodology may misrepresent the severity of the initial TBI encounter. While the second TBI encounter may represent follow-up care of the initial TBI, after a given period of time, a second TBI encounter may also represent a new case. To address this limitation, the workgroup considered alternative methodologies: assign severity based on the initial TBI medical encounter only or add a new severity classification incidence rule that specifies a timeframe within which a second TBI diagnosis with a higher (or lower) severity can be assigned to the case, (e.g., within 180 days of the first hospitalization or outpatient medical encounter), or develop a gap rule. The TBICoE workgroup will continue to explore this issue.
- In 2015, the Armed Forces Surveillance Branch (AFHSB) and DVBIC reviewed the ICD9 and ICD10 code sets and made the following updates to the severity classifications. These changes are based upon the recommendations of the DVBIC TBI Clinicians Workgroup and will be further evaluated when ICD10 data are available. There are no retrospective changes to the ICD9 methodology. Updates to the ICD10 methodology may result in some changes in the distribution of severities.
 - The severity of ICD10 codes S04.02-S04.04 (injury to optic chiasm and optic tract) were deemed more likely than not to be associated with a “Severe” TBI.³ The analogous codes in ICD9, 950.1-950.3 were previously categorized as “Unclassifiable” and will remain unchanged.
 - The severity of ICD10 code S06.9X9S (unspecified intracranial injury *with* LOC of unspecified duration, sequela) was classified as “Moderate.” The presence of an intracranial injury is typically identified by an abnormal CT scan and the updated DoD TBI definition states that an abnormal CT scan indicates at least a “Moderate” TBI. The analogous ICD9 code, 907.0 (late effect of intracranial injury without mention of skull fracture) is categorized as “Unclassifiable” and will remain unchanged.
 - ICD10 codes S02.110-S02.113 (occipital condyle fracture) were classified as follows: Type I and Type III are “mild”; Type II remains “Moderate”. Type II is an extension of a basilar skull fracture and this case definition categorizes basilar skull fractures as *at least* “Moderate”



- TBIs.¹⁷ Types I and II by themselves do not suggest that an injury is likely more than a “mild” TBI. In ICD9 the analogous codes were all classified as “Moderate” TBIs and will remain unchanged.
- In ICD9, the workgroup noted that closed skull fractures (803.2x, 803.4x, 804.2x, and 804.4x) were previously categorized as “Unclassifiable.” They felt these injuries likely represent *at least* a “Moderate” TBI because the presence of a skull fracture is felt to take precedence over the words “without LOC” or “brief LOC” or “unspecified concussion.” While no retrospective changes to ICD9 are planned, the analogous ICD10 codes are categorized as *at least* “Moderate.”
 - The workgroup reviewed the 2008 decision to exclude ICD9 code 905.0 (late effect of fracture of skull and face bones). Subsequent TBI coding guidance for clinicians recommends the use of code 905.0,¹⁸ and the code is also used by the Department of Veterans Affairs TBI Registry. Basilar skull fractures are categorized as *at least* “Moderate” TBIs, highlighting the language “fracture of skull *and* face” rather than “fracture of skull *or* face.” Retrospective changes to ICD9 methodology are not planned; however, future analysis is planned to harmonize VA-DoD methodology. This code is not used by the CDC but could be compatible with DVBIC efforts to capture late diagnoses of deployment-related TBI.

Deployment-Associated Incident Cases of TBI

If an analysis requires “deployment-associated” incident case counts, the initial defining encounter must have occurred while the individual was deployed to, or *within 30 days of returning from* a theater of operations of interest and the deployment must have been for *30 days or longer*. The AFHSD includes DoD defined operations associated with deployment in many of its analyses, (e.g., Operations Enduring Freedom (OEF), Iraqi Freedom (OIF), and New Dawn (OND)).

The specification of “within 30-days of returning” is in recognition of the initial diagnoses for theater sustained TBI that occur following return to garrison. Diagnoses of theater- incurred TBI may continue beyond 30 days following return and are not captured using this classification. When estimating such cases, it should be noted that a causal association for TBI due to an event that occurred during a deployment or direct combat cannot be proven using data available to AFHSB.^{19,20}

Reports

The TBICoE reports on TBI in the following reports:

- Quarterly and annual: DoD Numbers for TBI Worldwide: Quarterly data for this report is delivered to TBICoE by the AFHSD. This report is available on the TBI Center of Excellence (TBICoE) website at: <https://health.mil/Military-Health-Topics/Centers-of-Excellence/Traumatic-Brain-Injury-Center-of-Excellence/DOD-TBI-Worldwide-Numbers>; accessed June 2026.

¹⁷ Leone, A., Crease, A., Colosimo, C., Lauro, L., Puca, Al, & Marano, P. (2000). Occipital condylar fractures: a review. *Radiology*. 216(3): 635-44.

¹⁸ Defense and Veterans Brain Injury Center (2010). Mild Traumatic Brain Injury Pocket Guide (CONUS). Silver Spring, MD. Requests can be sent to dha.ncr.j-9.mbx.tbicoe-info@health.mil.

¹⁹ Brundage, J. F., Taubman, S. B., Hunt, D. J., & Clark, L. L. (2015). Whither the "signature wounds of the war" after the war: estimates of incidence rates and proportions of TBI and PTSD diagnoses attributable to background risk, enhanced ascertainment, and active war zone service, active component, US Armed Forces, 2003-2014. *MSMR*, 22(2), 2-11.

²⁰ Regasa, L. E., Thomas, D. M., Gill, R. S., Marion, D. W., & Ivins, B. J. (2016). Military deployment may increase the risk for traumatic brain injury following deployment. *The Journal of Head Trauma Rehabilitation*, 31(1), E28-E35.



- Quarterly: Traumatic Brain Injury (TBI) report for the Office of the Assistant Secretary of Defense for Health Affairs (HA).
- Quarterly and Annual: TBI-Related Medical Encounters Among Service Members and Beneficiaries of the U.S. Military Health System

The AFHSD reports on TBI in the following reports:

- Periodic *MSMR* articles.

Review

Jun 2026	Case definition reviewed and updated by the TBICoE and the AFHSD TBI work group; adopted by the Surveillance Methods and Standards (SMS) working group.
Jan 2019	Case definition reviewed and updated by DIVBIC and the AFHSB SMS working group.
Dec 2015	Case definition reviewed and updated by DIVBIC and the AFHSB SMS working group.
Sep 2014	Case definition reviewed and updated by the Armed Forces Health Surveillance Center (AFHSC) and the SMS working group.
Nov 2010	Case definition developed and adopted by DIVBIC and the AFHSC SMS working group.

Comments

• *Appendix I: TBI Code Sets in Excel*

Given the size of the TBI code set and to ensure standardization of methods, a complete line listing of all ICD10 and ICD9 codes is included in Appendix 1. The AFHSD does not routinely publish the ICD10 /ICD9 Excel code sets associated with its surveillance case definitions on the DHA website.

