

ICD-9-CM coding for patients with Traumatic Brain Injury*

The diagnostic code for sequelae of traumatic brain injury is:

907.0 Late effect of intracranial injury without mention of skull fracture (Late effect of injury classifiable to 850-854)

The code for the symptom, problem, or diagnosis that is the late effect and that prompted the visit or that is being managed by the service should be listed first, followed by the 907.0. The code for the acute phase of the injury (e.g. 850-854) that led to the late effect is not used with the code for the late effect.

*** indicates intervening codes have been left out of this list.

ORGANIC PSYCHOTIC CONDITIONS (290-294)

Includes: psychotic organic brain syndrome

Excludes: nonpsychotic syndromes of organic etiology (310.0-310.9)
psychoses classifiable to 295-298 and without impairment of orientation, comprehension, calculation, learning capacity, and judgement, but associated with physical disease, injury, or condition affecting the brain

293 Transient mental disorders due to conditions classified elsewhere

Includes: transient organic mental disorders not associated with alcohol or drugs
Code first the associated physical or neurological condition

Excludes: confusional state or delirium superimposed on senile dementia (290.3)
dementia due to:
alcohol (291.0-291.9)
arteriosclerosis (290.40-290.43)
drugs (292.82)
senility (290.0)

293.0 Delirium due to conditions classified elsewhere

Acute:

confusional state
infective psychosis
organic reaction
posttraumatic organic psychosis
psycho-organic syndrome

Acute psychosis associated with endocrine, metabolic, or cerebrovascular disorder

Epileptic:

confusional state
twilight state

294 Persistent mental disorders due to conditions classified elsewhere

Includes: organic psychotic brain syndromes (chronic), not elsewhere classified

294.0 Amnestic disorder in conditions classified elsewhere

Korsakoff's psychosis or syndrome (nonalcoholic)

Code first underlying condition

Excludes: alcoholic:
amnestic syndrome (291.1)
Korsakoff's psychosis (291.1)

294.9 Unspecified persistent mental disorders due to conditions classified elsewhere

Cognitive disorder NOS
Organic psychosis (chronic)

NEUROTIC DISORDERS, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC MENTAL DISORDERS (300-316)

310 Specific nonpsychotic mental disorders due to brain damage

Excludes: neuroses, personality disorders, or other nonpsychotic conditions occurring in a form similar to that seen with functional disorders but in association with a physical condition (300.0-300.9, 301.0-301.9)

310.0 Frontal lobe syndrome

Lobotomy syndrome
Postleucotomy syndrome [state]

Excludes: postcontusion syndrome (310.2)

310.1 Personality change due to conditions classified elsewhere

Cognitive or personality change of other type, of nonpsychotic severity
Organic psychosyndrome of nonpsychotic severity
Presbyphrenia NOS
Senility with mental changes of nonpsychotic severity

Excludes: memory loss of unknown cause (780.93)

310.2 Postconcussion syndrome

Postcontusion syndrome or encephalopathy
Posttraumatic brain syndrome, nonpsychotic
Status postcommotio cerebri

Excludes: any organic psychotic conditions following head injury (293.0-294.0)
frontal lobe syndrome (310.0)
postencephalitic syndrome (310.8)

310.8 Other specified nonpsychotic mental disorders following organic brain damage

Mild memory disturbance
Postencephalitic syndrome
Other focal (partial) organic psychosyndromes

OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM (340-349)

348 Other conditions of brain

348.1 Anoxic brain damage

Excludes: that occurring in:
abortion (634-638 with .7, 639.8)
ectopic or molar pregnancy (639.8)
labor or delivery (668.2, 669.4)
that of newborn (767.0, 768.0-768.9, 772.1-772.2)

Use additional E code to identify cause

CEREBROVASCULAR DISEASE (430-438)

Includes: with mention of hypertension (conditions classifiable to 401-405)

Use additional code to identify presence of hypertension

Excludes: any condition classifiable to 430-434, 436, 437 occurring during pregnancy, childbirth, or the puerperium, or specified as puerperal (674.0)
iatrogenic cerebrovascular infarction or hemorrhage (997.02)

Note: This category is to be used to indicate conditions in 430-437 as the cause of late effects. The "late effects" include conditions specified as such, or as sequelae, which may occur at any time after the onset of the causal condition.

438.0 Cognitive deficits

438.1 Speech and language deficits

438.10 Speech and language deficit, unspecified

438.11 Aphasia

438.12 Dysphasia

438.19 Other speech and language deficits

438.2 Hemiplegia/hemiparesis

438.20 Hemiplegia affecting unspecified side

438.21 Hemiplegia affecting dominant side

438.22 Hemiplegia affecting nondominant side

438.3 Monoplegia of upper limb

438.30 Monoplegia of upper limb affecting unspecified side

438.31 Monoplegia of upper limb affecting dominant side

438.32 Monoplegia of upper limb affecting nondominant side

438.4 Monoplegia of lower limb

438.40 Monoplegia of lower limb affecting unspecified side

438.41 Monoplegia of lower limb affecting dominant side

438.42 Monoplegia of lower limb affecting nondominant side

438.5 Other paralytic syndrome

Use additional code to identify type of paralytic syndrome, such as:
locked-in state (344.81)
quadriplegia (344.00-344.09)

Excludes: late effects of cerebrovascular accident with:
hemiplegia/hemiparesis (438.20-438.22)
monoplegia of lower limb (438.40-438.42)
monoplegia of upper limb (438.30-438.32)

438.50 Other paralytic syndrome affecting unspecified side

438.51 Other paralytic syndrome affecting dominant side

438.52 Other paralytic syndrome affecting nondominant side

438.53 Other paralytic syndrome, bilateral

438.6 Alterations of sensations

Use additional code to identify the altered sensation

438.7 Disturbances of vision

Use additional code to identify the visual disturbance

438.8 Other late effects of cerebrovascular disease

- 438.81 Apraxia
 - 438.82 Dysphagia
 - 438.83 Facial weakness
 Facial droop
 - 438.84 Ataxia
 - 438.85 Vertigo
 - 438.89 Other late effects of cerebrovascular disease
- Use additional code to identify the late effect
- 438.9 Unspecified late effects of cerebrovascular disease

16. SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS (780-799)

780 General symptoms

780.4 Dizziness and giddiness

Light-headedness
Vertigo NOS

Excludes: Ménière's disease and other specified vertiginous syndromes (386.0-386.9)

780.5 Sleep disturbances

Excludes: circadian rhythm sleep disorders (327.30-327.39)
 organic hypersomnia (327.10-327.19)
 organic insomnia (327.00-327.09)
 organic sleep apnea (327.20-327.29)
 organic sleep related movement disorders (327.51-327.59)
 parasomnias (327.40-327.49)
 that of nonorganic origin (307.40-307.49)

780.50 Sleep disturbance, unspecified

780.52 Insomnia, unspecified

781 Symptoms involving nervous and musculoskeletal systems

Excludes: depression NOS (311)
disorders specifically relating to:
 back (724.0-724.9)
 hearing (388.0-389.9)
 joint (718.0-719.9)
 limb (729.0-729.9)
 neck (723.0-723.9)
 vision (368.0-369.9)
 pain in limb (729.5)

781.0 Abnormal involuntary movements

Abnormal head movements
Fasciculation
Spasms NOS
Tremor NOS

Excludes: abnormal reflex (796.1)
 chorea NOS (333.5)
 infantile spasms (345.60-345.61)
 spastic paralysis (342.1, 343.0-344.9)
 specified movement disorders classifiable to 333 (333.0-333.9)
 that of nonorganic origin (307.2-307.3)

781.2 Abnormality of gait

Gait:
ataxic
paralytic
spastic
staggering

Excludes: ataxia:
NOS (781.3)
difficulty in walking (719.7)
locomotor (progressive) (094.0)

781.3 Lack of coordination

Ataxia NOS
Muscular incoordination

Excludes: ataxic gait (781.2)
cerebellar ataxia (334.0-334.9)
difficulty in walking (719.7)
vertigo NOS (780.4)

784 Symptoms involving head and neck

Excludes: encephalopathy NOS (348.30)
specific symptoms involving neck classifiable to 723 (723.0-723.9)

784.0 Headache

Facial pain
Pain in head NOS

Excludes: atypical face pain (350.2)
migraine (346.0-346.9)
tension headache (307.81)

787 Symptoms involving digestive system

Excludes: constipation (564.0-564.9)
pylorospasm (537.81)
congenital (750.5)

787.2 Dysphagia

Difficulty in swallowing

799 Other ill-defined and unknown causes of morbidity and mortality

799.3 Debility, unspecified

Excludes: asthenia (780.79)
nervous debility (300.5)
neurasthenia (300.5)
senile asthenia (797)

INTRACRANIAL INJURY, EXCLUDING THOSE WITH SKULL FRACTURE (850-854)

Excludes: intracranial injury with skull fracture (800-801 and 803-804, except .0 and .5)
open wound of head without intracranial injury (870.0-873.9)
skull fracture alone (800-801 and 803-804 with .0, .5)

Note: The description "with open intracranial wound," used in the fourth-digit subdivisions, includes those specified as open or with mention of infection or foreign body.

The following fifth-digit subclassification is for use with categories 851-854:

- 0 unspecified state of consciousness
 - 1 with no loss of consciousness
 - 2 with brief [less than one hour] loss of consciousness
 - 3 with moderate [1-24 hours] loss of consciousness
 - 4 with prolonged [more than 24 hours] loss of consciousness and return to pre-existing conscious level
 - 5 with prolonged [more than 24 hours] loss of consciousness without return to pre-existing conscious level
- Use fifth-digit 5 to designate when a patient is unconscious and dies before regaining consciousness, regardless of the duration of the loss of consciousness
- 6 with loss of consciousness of unspecified duration
 - 9 with concussion, unspecified

850	Concussion
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Includes: commotio cerebri

Excludes: concussion with:
cerebral laceration or contusion (851.0-851.9)
cerebral hemorrhage (852-853)
head injury NOS (959.01)

- 850.0 With no loss of consciousness
Concussion with mental confusion or disorientation, without loss of consciousness
- 850.1 With brief loss of consciousness
Loss of consciousness for less than one hour
 - 850.11 With loss of consciousness of 30 minutes or less
 - 850.12 With loss of consciousness from 31 to 59 minutes
- 850.2 With moderate loss of consciousness
Loss of consciousness for 1-24 hours
- 850.3 With prolonged loss of consciousness and return to pre-existing conscious level
Loss of consciousness for more than 24 hours with complete recovery
- 850.4 With prolonged loss of consciousness, without return to pre-existing conscious level
- 850.5 With loss of consciousness of unspecified duration
- 850.9 Concussion, unspecified

851	Cerebral laceration and contusion
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Requires fifth digit. See beginning of section 850-854 for codes and definitions.

- 851.0 Cortex (cerebral) contusion without mention of open intracranial wound
- 851.1 Cortex (cerebral) contusion with open intracranial wound
- 851.2 Cortex (cerebral) laceration without mention of open intracranial wound
- 851.3 Cortex (cerebral) laceration with open intracranial wound
- 851.4 Cerebellar or brain stem contusion without mention of open intracranial wound
- 851.5 Cerebellar or brain stem contusion with open intracranial wound
- 851.6 Cerebellar or brain stem laceration without mention of open intracranial wound
- 851.7 Cerebellar or brain stem laceration with open intracranial wound
- 851.8 Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound

Brain (membrane) NOS

851.9 Other and unspecified cerebral laceration and contusion, with open intracranial wound

852 Subarachnoid, subdural, and extradural hemorrhage, following injury

Requires fifth digit. See beginning of section 850-854 for codes and definitions.

Excludes: cerebral contusion or laceration (with hemorrhage) (851.0-851.9)

852.0 Subarachnoid hemorrhage following injury without mention of open intracranial wound
Middle meningeal hemorrhage following injury

852.1 Subarachnoid hemorrhage following injury with open intracranial wound

852.2 Subdural hemorrhage following injury without mention of open intracranial wound

852.3 Subdural hemorrhage following injury with open intracranial wound

852.4 Extradural hemorrhage following injury without mention of open intracranial wound
Epidural hematoma following injury

852.5 Extradural hemorrhage following injury with open intracranial wound

853 Other and unspecified intracranial hemorrhage following injury

Requires fifth digit. See beginning of section 850-854 for codes and definitions.

853.0 Without mention of open intracranial wound
Cerebral compression due to injury
Intracranial hematoma following injury
Traumatic cerebral hemorrhage

853.1 With open intracranial wound

854 Intracranial injury of other and unspecified nature

Includes: injury:
brain NOS
cavernous sinus
intracranial

Excludes: any condition classifiable to 850-853
head injury NOS (959.01)

854.0 Without mention of open intracranial wound

854.1 With open intracranial wound

**LATE EFFECTS OF INJURIES, POISONINGS, TOXIC EFFECTS, AND OTHER EXTERNAL CAUSES
(905-909)**

Note: These categories are to be used to indicate conditions classifiable to 800-999 as the cause of late effects, which are themselves classified elsewhere. The "late effects" include those specified as such, or as sequelae, which may occur at any time after the acute injury.

907 Late effects of injuries to the nervous system

907.0 Late effect of intracranial injury without mention of skull fracture
Late effect of injury classifiable to 850-854

CERTAIN TRAUMATIC COMPLICATIONS AND UNSPECIFIED INJURIES (958-959)

959 Injury, other and unspecified

Includes: injury NOS

Excludes: injury NOS of:
blood vessels (900.0-904.9)
eye (921.0-921.9)
internal organs (860.0-869.1)
intracranial sites (854.0-854.1)
nerves (950.0-951.9, 953.0-957.9)
spinal cord (952.0-952.9)

959.0 Head, face and neck

959.01 Head injury, unspecified

Excludes: concussion (850.0-850.9)
with head injury NOS (850.0-850.9)
head injury NOS with loss of consciousness (850.1-850.5)
specified head injuries (850.0-854.1)

* Abstracted from International Classification of Diseases, 9th revision, Clinical Modification, issued by the US Department of Health and Human Services. Available in electronic versions from <http://www.cdc.gov/nchs/icd9.htm>. Published copies of ICD-9-CM are available from a variety of sources and should be found in any medical library.

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