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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>310</td>
<td>Specific nonpsychotic mental disorders due to brain damage</td>
</tr>
</tbody>
</table>

**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
  - Presbyophrenia 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)

- **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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>348</td>
<td>Other conditions of brain</td>
</tr>
</tbody>
</table>

#### 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 (438.40-438.42)

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
<table>
<thead>
<tr>
<th>Condition</th>
<th>ICD Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apraxia</td>
<td>438.81</td>
</tr>
<tr>
<td>Dysphagia</td>
<td>438.82</td>
</tr>
<tr>
<td>Facial weakness</td>
<td>438.83</td>
</tr>
<tr>
<td>Facial droop</td>
<td></td>
</tr>
<tr>
<td>Ataxia</td>
<td>438.84</td>
</tr>
<tr>
<td>Vertigo</td>
<td>438.85</td>
</tr>
<tr>
<td>Other late effects of cerebrovascular disease</td>
<td>438.89</td>
</tr>
<tr>
<td>Use additional code to identify the late effect</td>
<td></td>
</tr>
<tr>
<td>Unspecified late effects of cerebrovascular disease</td>
<td>438.9</td>
</tr>
</tbody>
</table>

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### 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)
- of nonorganic origin (307.40-307.49)

##### 780.50 Sleep disturbance, 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)
- 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

<table>
<thead>
<tr>
<th>850</th>
<th>Concussion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Includes:</td>
<td>commotio cerebri</td>
</tr>
<tr>
<td>Excludes:</td>
<td>concussion with:</td>
</tr>
<tr>
<td></td>
<td>cerebral laceration or contusion (851.0-851.9)</td>
</tr>
<tr>
<td></td>
<td>cerebral hemorrhage (852-853)</td>
</tr>
<tr>
<td></td>
<td>head injury NOS (959.01)</td>
</tr>
</tbody>
</table>

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 |

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)


From the Medical Home Portal (www.medicalhomeportal.org), 2009