Cerebrovascular Disease & Stroke

Coding & Documentation

Detailed documentation is necessary for proper code selection.

- Codes from Category I60–I67 are assigned for the initial event in an acute care setting.
- After discharge, the condition is classified by
  - Sequelae (late effects) found in category I69; or
  - Personal history of CVA or TIA without residual deficits, Z86.73
- Transient cerebral ischemic attack, G45.9
- Intracranial hemorrhage due to accident or injury is assigned codes from category S06. Use Glasgow Coma Scale codes (R40.2–) in conjunction with traumatic brain injuries sequenced after the diagnosis code(s) (effective for discharges after October 1, 2020).
- Identify the type, etiology, vessel and laterality in specific detail.
  (See category lists on page two for examples of documentation details.)

Key Terms

- Meninges — protective membranes surrounding the cerebral cortex (brain)
  - Dura matter — outer
  - Arachnoid — middle
  - Pia matter — inner
- Epidural hemorrhage — between dura matter and skull
- Subdural hemorrhage — between dura matter and arachnoid
- Subarachnoid hemorrhage — between arachnoid and pia matter
- Stenosis — narrowing
- Occlusion — complete or partial obstruction
- Thrombosis — stationary blood clot lodged in vessel
- Embolism — blood or other clot carried through vessel

Note: The information listed here is not all-inclusive and is to be used as a reference only. Please refer to the most current ICD-10 coding and documentation guidelines at www.cms.gov

1 https://www.aans.org/Patients/Neurosurgical-Conditions-and-Treatments/Cerebrovascular-Disease
## Cerebrovascular Disease & Stroke

### ICD-10-CM Category Details

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
<th>Details</th>
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| I60       | Non-traumatic subarachnoid hemorrhage                                         | - Carotid siphon and bifurcation  
- Posterior communicating artery  
- Middle cerebral artery  
- Vertebrobasilar artery  
- Anterior communicating artery  
- Other intracranial artery  
- Other subarachnoid hemorrhage  
  - Meningeal hemorrhage  
  - Rupture of arteriovenous malformation |
| I61       | Non-traumatic intracerebral hemorrhage                                         | - Brain stem  
- Cerebellum  
- Hemisphere  
  - Cortical  
  - Subcortical  
  - Unspecified  
- Intraventricular  
- Multiple localized sites  
- Other specified site  
- Unspecified intracerebral hemorrhage |
| I62       | Other and unspecified non-traumatic intracranial hemorrhage                   | - Extradural/epidural  
- Subdural  
  - Acute  
  - Chronic  
  - Subacute  
- Unspecified intracranial hemorrhage |
| I63       | Cerebral infarction                                                          | - Due to:  
  - Thrombosis, embolism, occlusion or stenosis  
  - Artery involvement  
    - Precerebral  
      - Vertebral, basilar, carotid or other specified artery  
    - Cerebral  
      - Anterior, middle or posterior  
      - Cerebellar  
      - Other specified cerebral artery  
| I65       | Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction |  |
| I66       | Occlusion and stenosis of cerebral arteries, not resulting in cerebral infarction |  |
| I67       | Other cerebrovascular diseases                                                |  |
| I68       | Cerebrovascular disorders in diseases classified elsewhere                     |  |
| I69       | Sequelae of cerebrovascular disease                                           |  |

### Risk factors & co-morbidities:
- Hypertension; high cholesterol; heart disease; coronary artery disease; heart valve disorder; atrial fibrillation; diabetes; alcohol or substance abuse; arteriovenous malformations; morbid obesity; rheumatoid arthritis; anxiety; depression; use of anticoagulants or other medication; tobacco use/dependence; history of tobacco dependence; exposure to tobacco smoke

### Other coding tips:
- More than one code may be assigned if specific code is available for separate locations
- Assign the most specific code as appropriate according to documentation.
- Watch for parenthetical notes found in the tabular list:
  - Excluded conditions  
  - Coding sequence
- Relationship between intraoperative & postoperative events must be clearly documented. (See categories I97 & G97.)

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1. International classification of diseases 10th revision clinical modification: ICD-10-CM Expert for Physicians, 2021