2) Unstageable pressure ulcers
Assignment of the code for unstageable pressure ulcer (L89.0–0) should be based on the clinical documentation. These codes are used for pressure ulcers whose stage cannot be clinically determined (e.g., the ulcer is covered by eschar or has been treated with a skin or muscle graft) and pressure ulcers that are documented as deep tissue injury but not documented as due to trauma. This code should not be confused with the codes for unspecified stage (L89.9). When there is no documentation regarding the stage of the pressure ulcer, assign the appropriate code for unspecified stage (L89.9).

3) Documented pressure ulcer stage
Assignment of the pressure ulcer stage code should be guided by clinical documentation of the stage or documentation of the terms found in the Alphabetic Index. For clinical terms describing the stage that are not found in the Alphabetic Index, and there is no documentation of the stage, the provider should be queried.

4) Patients admitted with pressure ulcers documented as healed
No code is assigned if the documentation states that the pressure ulcer is completely healed.

5) Patients admitted with pressure ulcers documented as healing
Pressure ulcers described as healing should be assigned the appropriate pressure ulcer stage code based on the documentation in the medical record. If the documentation does not provide information about the stage of the healing pressure ulcer, assign the appropriate code for unspecified stage. If the documentation is unclear as to whether the patient has a current (new) pressure ulcer or if the patient is being treated for a healing pressure ulcer, query the provider.

For ulcers that were present on admission but healed at the time of discharge, assign the code for the site and stage of the pressure ulcer at the time of admission.

6) Patient admitted with pressure ulcer evolving into another stage during the admission
If a patient is admitted to an inpatient hospital with a pressure ulcer at one stage and it progresses to a higher stage, two separate codes should be assigned: one code for the site and stage of the ulcer on admission and a second code for the same ulcer site and the highest stage reported during the stay.

b. Non-Pressure Chronic Ulcers
1) Patients admitted with non-pressure ulcers documented as healed
No code is assigned if the documentation states that the non-pressure ulcer is completely healed.

2) Patients admitted with non-pressure ulcers documented as healing (See Fig. 2)
Non-pressure ulcers described as healing should be assigned the appropriate non-pressure ulcer code based on the documentation in the medical record. If the documentation does not provide information about the severity of the healing non-pressure ulcer, assign the appropriate code for unspecified severity.

If the documentation is unclear as to whether the patient has a current (new) non-pressure ulcer or if the patient is being treated for a healing non-pressure ulcer, query the provider.

For ulcers that were present on admission but healed at the time of discharge, assign the code for the site and severity of the non-pressure ulcer at the time of admission.

3) Patient admitted with non-pressure ulcer that progresses to another severity level during the admission
If a patient is admitted to an inpatient hospital with a non-pressure ulcer at one severity level and it progresses to a higher severity level, two separate codes should be assigned: one code for the site and severity level of the ulcer on admission and a second code for the same ulcer site and the highest severity level reported during the stay.

13. Chapter 13: Diseases of the Musculoskeletal System and Connective Tissue (M00-M99)

a. Site and laterality
Most of the codes within Chapter 13 have site and laterality designations. The site represents the bone, joint or the muscle involved. For some conditions where more than one bone, joint or muscle is usually involved, such as osteoarthritis, there is a “multiple sites” code available. For categories where no multiple site code is provided and more than one bone, joint or muscle is involved, multiple codes should be used to indicate the different sites involved.

1) Bone versus joint
For certain conditions, the bone may be affected at the upper or lower end, (e.g., avascular necrosis of bone, M87, Osteoporosis, M80, M81). Though the portion of the bone affected may be at the joint, the site designation will be the bone, not the joint.

b. Acute traumatic versus chronic or recurrent musculoskeletal conditions
Many musculoskeletal conditions are a result of previous injury or trauma to a site, or are recurrent conditions. Bone, joint or muscle conditions that are the result of a healed injury are usually found in chapter 13. Recurrent bone, joint or muscle conditions are also usually found in chapter 13. Any current, acute injury should be coded to the appropriate injury code from chapter 19. Chronic or recurrent conditions should generally be coded with a code from chapter 13. If it is difficult to determine from the documentation in the record which code is best to describe a condition, query the provider.

c. Coding of Pathologic Fractures
7th character A is for use as long as the patient is receiving active treatment for the fracture. While the patient may be seen by a new or different provider over the course of treatment for a pathological fracture, assignment of the 7th character is based on whether the patient is undergoing active treatment and not whether the provider is seeing the patient for the first time.

7th character D is to be used for encounters after the patient has completed active treatment for the fracture and is receiving routine care for the fracture during the healing or recovery phase. The other 7th characters, listed under each subcategory in the Tabular List, are to be used for subsequent encounters for treatment of problems associated with the healing, such as malunions, nonunions, and sequelae. Care for complications of surgical treatment for fracture repairs during the healing or recovery phase should be coded with the appropriate complication codes.


d. Osteoporosis
Osteoporosis is a systemic condition, meaning that all bones of the musculoskeletal system are affected. Therefore, site is not a component of the codes under category M81, Osteoporosis without current pathological fracture. The site codes under category M80, Osteoporosis with current pathological fracture, identify the site of the fracture, not the osteoporosis.

1) Osteoporosis without pathological fracture
Category M81, Osteoporosis without current pathological fracture, is for use for patients with osteoporosis who do not currently have a pathologic fracture due to the osteoporosis, even if they have had a fracture in the past. For patients with a history of osteoporosis fractures, status code Z87.310, Personal history of (healed) osteoporosis fracture, should follow the code from M81.

2) Osteoporosis with current pathological fracture (See Fig. 3)
Category M80, Osteoporosis with current pathological fracture, is for patients who have a current pathological fracture at the time of an encounter. The codes under M80 identify the site of the fracture. A code from category M80, not a traumatic fracture code, should be used for any patient with known osteoporosis who suffers a fracture, even if the patient had a minor fall or trauma, if that fall or trauma would not usually break a normal, healthy bone.
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Abnormal — continued

Abnormal — continued

Abnormal — continued

Abnormal — continued

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sport utility vehicle (traffic) V43.91
nontraffic V43.31
while boarding or alighting V43.41
stationary object (traffic) V47.9
nontraffic V47.3
while boarding or alighting V47.4
streetcar (traffic) V46.9
nontraffic V46.3
while boarding or alighting V46.4
three wheeled motor vehicle (traffic) V42.9
nontraffic V42.3
while boarding or alighting V42.4
two wheeled motor vehicle (traffic) V42.9
nontraffic V42.3
while boarding or alighting V42.4
van (traffic) V43.94
nontraffic V43.44
while boarding or alighting V44.4
driver collision (with)
animal (traffic) V40.5
being ridden (traffic) V46.5

Accident — continued
transport — continued

nontraffic V40.6
animal-drawn vehicle (traffic) V46.5
bus (traffic) V44.5
nontraffic V44.0
car (traffic) V43.52
nontraffic V43.02
motor vehicle NOS (traffic) V49.40
nontraffic V49.00
specified type NEC (traffic) V49.49
nontraffic V49.09
pedal cycle (traffic) V41.5
nontraffic V41.0
pickup truck (traffic) V43.53
nontraffic V43.03
railway vehicle (traffic) V45.5
nontraffic V45.0
specified vehicle NEC (traffic) V46.5
nontraffic V46.0
sport utility vehicle (traffic) V44.5
nontraffic V44.0
streetcar (traffic) V46.5
three wheeled motor vehicle (traffic) V42.5
nontraffic V42.0
van (traffic) V43.54
nontraffic V43.04
noncollision accident (traffic) V48.5
nontraffic V48.0
noncollision accident (traffic) V48.9
nontraffic V48.3
while boarding or alighting V48.4
nontraffic V49.3
hanger-on collision (with)
animal (traffic) V40.7
being ridden (traffic) V46.7
nontraffic V46.2
animal-drawn vehicle (traffic) V46.7
nontraffic V46.2
bus (traffic) V44.7
nontraffic V44.2
car (traffic) V43.72
nontraffic V43.22
pedal cycle (traffic) V41.7
nontraffic V41.2
pickup truck (traffic) V43.73
nontraffic V43.23
railway vehicle (traffic) V45.7
nontraffic V45.2
specified vehicle NEC (traffic) V46.7
nontraffic V46.2
sport utility vehicle (traffic) V43.71
nontraffic V43.21
stationary object (traffic) V47.7
nontraffic V47.2
streetcar (traffic) V46.7
nontraffic V46.2
three wheeled motor vehicle (traffic) V42.7
nontraffic V42.2
truck (traffic) V44.7
nontraffic V44.2
two wheeled motor vehicle (traffic) V42.9
nontraffic V42.3
while boarding or alighting V42.4
van (traffic) V43.94
nontraffic V43.44
while boarding or alighting V44.4
driver collision (with)
animal (traffic) V40.6
being ridden (traffic) V46.6
nontraffic V46.1
animal-drawn vehicle (traffic) V46.6
bus (traffic) V44.6
nontraffic V44.1
Chapter 9: Diseases of the Circulatory System (I00-I99)

Tabular List

I00 - I13

Diseases of the circulatory system (I00-I99)

| Excludes | Certain conditions originating in the perinatal period (P04-P96) | Certain infectious and parasitic diseases (A00-B99) | Complications of pregnancy, childbirth and the puerperium (O00-O99) | Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99) | Endocrine, nutritional and metabolic diseases (E00-E88) | Injury, poisoning and certain other consequences of external causes (S00-T88) | Neoplasms (C00-D49) | Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99) | Systemic connective tissue disorders (M30-M36) | Transient cerebral ischemic attacks and related syndromes (G45-) |

This chapter contains the following blocks:

- **I00-I02** Acute rheumatic fever
- **I05-I09** Chronic rheumatic heart diseases
- **I10-I16** Hypertensive diseases
- **I12-125** Ischemic heart diseases
- **I12-129** Pulmonary heart disease and diseases of pulmonary circulation
- **I13-152** Other forms of heart disease
- **I16-169** Cerebrovascular diseases
- **I17-179** Diseases of arteries, arterioles and capillaries
- **I18-189** Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified
- **I19-199** Other and unspecified disorders of the circulatory system

### Acute rheumatic fever (I00-I02)

**I00** Rheumatic fever without heart involvement

- **AHA:** Q4 2016
- **Includes:** Arthritis, rheumatic, acute or subacute rheumatic fever with heart involvement (I01.0-I01.9)

**I01** Rheumatic fever with heart involvement

- **Includes:** Chronic diseases of rheumatic origin (I05-I09) unless rheumatic fever is also present or there is evidence of reactivation or activity of the rheumatic process.

**I01.0** Acute rheumatic pericarditis

- Any condition in I00 with pericarditis
- Rheumatic pericarditis (acute)

**I01.1** Acute rheumatic endocarditis

- Any condition in I00 with endocarditis or valvulitis
- Acute rheumatic valvulitis

**I01.2** Acute rheumatic myocarditis

- Any condition in I00 with myocarditis

**I01.8** Other acute rheumatic heart disease

- Any condition in I00 with multiple types of heart involvement
- Acute rheumatic pancarditis

**I01.9** Acute rheumatic heart disease, unspecified

- Any condition in I00 with unspecified type of heart involvement
- Rheumatic carditis, acute
- Rheumatic heart disease, active or acute

**I02** Rheumatic chorea

- **Definition:** Sydenham’s chorea
- Sydenham’s chorea NOS (G25.5)
- Huntington’s chorea (G10)

**I02.0** Rheumatic chorea with heart involvement

- Rheumatic chorea with heart involvement of any type classifiable under I01.

### I02.9 Rheumatic chorea without heart involvement

Rheumatic chorea NOS

### Hypertensive diseases (I10-I16)

Use additional code to identify:

- Exposure to environmental tobacco smoke (Z77.22)
- History of tobacco dependence (Z87.891)
- Occupational exposure to environmental tobacco smoke (Z57.31)

**I10** Essential (primary) hypertension

- **Tips:** Here are some coding concepts to remember when reporting Hypertension: Type Associated complications; Severity
- **Symptoms/Findings/Manifestations:** Temporal factors; Contributing factors.
- **AHA:** Q4 2016, Q4 2013

**I11** Hypertensive heart disease

- **Includes:** Any condition in I50.-, I51.4-I51.9 due to hypertension
- **AHA:** Q1 2017

**I11.0** Hypertensive heart disease with heart failure

**I11.9** Hypertensive heart disease without heart failure

### I12 Hypertensive chronic kidney disease

- **Includes:** Any condition in I18 and N26 - due to hypertension
- **AHA:** Q4 2016

**I12.0** Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease

**I12.9** Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease

**I13** Hypertensive heart and chronic kidney disease

- **Tips:** Hypertension is presented as stages: 1- 80-89/130-139 mm Hg; 2 — 90/140 mm HG or higher but in stages 1-4 in patients with kidney failure.

- **Includes:** Any condition in I11.- with any condition in I12.-

---

**Unspecified Code**

- New Code
- Revised Code Title
- Revised Text
- Notes
- Includes
- Excludes
- 4th character required
- 5th character required
- 6th character required
- 7th character required
- Extension X’ Alert
- Hospital-acquired condition (HAC) alert
- AHA Coding Clinic©

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When symbols appear on a code that requires a 7th character extension, refer to Appendix B to identify applicable 7th character codes.
### Chapter 9: Diseases of the Circulatory System (I00-199)

#### I13.0 - I21.19

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I13.0</td>
<td>Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease</td>
</tr>
<tr>
<td>I13.1</td>
<td>Hypertensive heart and chronic kidney disease without heart failure</td>
</tr>
<tr>
<td>I13.10</td>
<td>Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease</td>
</tr>
<tr>
<td>I13.11</td>
<td>Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease</td>
</tr>
<tr>
<td>I15</td>
<td>Secondary hypertension</td>
</tr>
<tr>
<td>I15.0</td>
<td>Renovascular hypertension</td>
</tr>
<tr>
<td>I15.1</td>
<td>Hypertension secondary to other renal disorders</td>
</tr>
<tr>
<td>I15.2</td>
<td>Hypertension secondary to endocrine disorders</td>
</tr>
<tr>
<td>I15.8</td>
<td>Other secondary hypertension</td>
</tr>
<tr>
<td>I15.9</td>
<td>Secondary hypertension, unspecified</td>
</tr>
<tr>
<td>I16</td>
<td>Hypertensive crisis</td>
</tr>
<tr>
<td>I16.0</td>
<td>Hypertensive urgency</td>
</tr>
<tr>
<td>I16.1</td>
<td>Hypertensive emergeny</td>
</tr>
<tr>
<td>I16.9</td>
<td>Hypertensive crisis, unspecified</td>
</tr>
</tbody>
</table>

#### Ischemic heart diseases (I20-I25)

- Use additional code to identify presence of hypertension (I10-I16)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I20</td>
<td>Angina pectoris</td>
</tr>
<tr>
<td>I21.0</td>
<td>ST elevation (STEMI) myocardial infarction of anterior wall</td>
</tr>
<tr>
<td>I21.1</td>
<td>ST elevation (STEMI) myocardial infarction of inferior wall</td>
</tr>
<tr>
<td>I21.2</td>
<td>Other forms of angina pectoris</td>
</tr>
<tr>
<td>I21.3</td>
<td>Angina equivalent</td>
</tr>
<tr>
<td>I21.4</td>
<td>Angina of effort</td>
</tr>
<tr>
<td>I21.5</td>
<td>Coronary slow flow syndrome</td>
</tr>
<tr>
<td>I21.6</td>
<td>Stenocardia</td>
</tr>
<tr>
<td>I21.7</td>
<td>Stable angina</td>
</tr>
<tr>
<td>I21.8</td>
<td>Angina equivalent</td>
</tr>
</tbody>
</table>

#### Hypertensive heart and chronic kidney disease (I13.0-I13.1)

- Use additional code to identify type of heart failure (I50.-) and stage of chronic kidney disease (N18.1-N18.4, N18.9)

#### Secondary hypertension (I15)

- Code also underling condition |

#### Hypertensive crisis (I16)

- Code also identified hypertension disease (I10-I15)

#### Ischemic heart diseases (I20-I25)

- Use additional code to identify presence of hypertension (I10-I16)
### Chapter 9: Diseases of the Circulatory System (I00-I99)

#### Tabular List

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| I21.2 | **ST elevation (STEMI) myocardial infarction of other sites**  
Type 1 ST elevation myocardial infarction of other sites  
Type 1 ST elevation myocardial infarction involving left circumflex coronary artery  
Type 1 ST elevation myocardial infarction involving oblique marginal coronary artery |
| I21.3 | **ST elevation (STEMI) myocardial infarction of unspecified site**  
AHA: Q1 2013  
Acute transmural myocardial infarction of unspecified site  
Transmural (Q wave) myocardial infarction NOS  
Type 1 ST elevation myocardial infarction of unspecified site |
| I21.4 | **Non-ST elevation (NSTEMI) myocardial infarction**  
AHA: Q1 2017  
Acute subendocardial myocardial infarction  
Non-Q wave myocardial infarction NOS  
Nontransmural myocardial infarction NOS  
Type 1 non-ST elevation myocardial infarction  
**I21.9** **Acute myocardial infarction, unspecified**  
Myocardial infarction (acute) NOS  
**I21.1** **Other type of myocardial infarction**  
**I21.1.1** **Myocardial infarction type 2**  
Myocardial infarction due to demand ischemia  
Myocardial infarction secondary to ischemic imbalance  
*Code also the underlying cause, if known and applicable, such as:*  
anemia (D50.0-D64.9)  
chronic obstructive pulmonary disease (J44.-)  
heart failure (I50.-)  
paroxysmal tachycardia (I47.0-I47.9)  
renal failure (N17.0-N19)  
shock (R57.0-R57.9)  
**I21.1.9** **Other myocardial infarction type**  
Myocardial infarction associated with revascularization procedure  
Myocardial infarction type 3  
Myocardial infarction type 4a  
Myocardial infarction type 4b  
Myocardial infarction type 4c  
Myocardial infarction type 5  
*Code first, if applicable, postprocedural myocardial infarction following cardiac surgery (I97.190), or postprocedural myocardial infarction during cardiac surgery (I97.790)*  
*Code also complication, if known and applicable, such as:*  
(acute) stent occlusion (T82.897-)  
(acute) stent stenosis (T82.857-)  
(acute) stent thrombosis (T82.867-)  
Cardiac arrest due to underlying cardiac condition (I46.2)  
Complication of percutaneous coronary intervention (PCI) (I97.89)  
Occlusion of coronary artery bypass graft (T82.21B) |

### Unspecified Code

- **New Code**
- **Revised Code Title**
- **Revised Text**
- **Notes**
- **Includes**
- **Excludes**
- **Not coded here**
- **Not included here**
- **4th character required**
- **5th character required**
- **6th character required**
- **7th character required**
- **Extension X Alert**
- **Hospital-acquired condition (HAC) alert**
- **AHA**
- **AHA Coding Clinic**

2019 ICD-10-CM

When symbols appear on a code that requires a 7th character extension, refer to Appendix B to identify applicable 7th character codes.
I25.75  Atherosclerosis of native coronary artery of transplanted heart with angina pectoris (I25.81-)
I25.750  Atherosclerosis of native coronary artery of transplanted heart without angina pectoris (I25.811)
I25.751  Atherosclerosis of native coronary artery of transplanted heart with unstable angina
I25.758  Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris
I25.759  Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris
I25.76  Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris
I25.760  Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris (I25.812)
I25.761  Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina
I25.764  Atherosclerosis of bypass graft of coronary artery of transplanted heart with documented spasm
I25.766  Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris
I25.769  Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris
I25.79  Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris
I25.790  Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris
I25.791  Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.794  Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris
I25.798  Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris
I25.799  Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris
I25.8  Other forms of chronic ischemic heart disease
I25.81  Atherosclerosis of other coronary vessels without angina pectoris

Other forms of chronic ischemic heart disease
I25.8  Other forms of chronic ischemic heart disease
I25.81  Atherosclerosis of other coronary vessels without angina pectoris

Tabular List

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I25.84</td>
<td>Coronary atherosclerosis due to calcified coronary lesion (I25.84)</td>
</tr>
<tr>
<td>I25.83</td>
<td>Coronary atherosclerosis due to lipid rich plaque (I25.83)</td>
</tr>
<tr>
<td>I25.810</td>
<td>Atherosclerosis of coronary artery bypass graft (s) without angina pectoris (AHA: Q4 2016)</td>
</tr>
<tr>
<td>I25.811</td>
<td>Atherosclerosis of native coronary artery of transplanted heart without angina pectoris (I25.75-1)</td>
</tr>
<tr>
<td>I25.812</td>
<td>Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris (I25.81-1)</td>
</tr>
<tr>
<td>I25.82</td>
<td>Chronic total occlusion of coronary artery (I25.82)</td>
</tr>
<tr>
<td>I25.83</td>
<td>Coronary atherosclerosis due to lipid rich plaque (I25.83)</td>
</tr>
<tr>
<td>I25.84</td>
<td>Coronary atherosclerosis due to calcified coronary lesion (I25.84)</td>
</tr>
<tr>
<td>I25.85</td>
<td>Other forms of chronic ischemic heart disease (I25.85)</td>
</tr>
</tbody>
</table>

Other forms of heart disease (I30-I52)

I30  Acute pericarditis
- **EXCLUDES** acute mediastinitis/pericarditis
- **EXCLUDES** acute myopericarditis
- **EXCLUDES** acute pericardial effusion
- **EXCLUDES** acute pneumopericarditis

I30.0  Acute nonspecific idiopathic pericarditis
I30.1  Infective pericarditis
- Pneumococcal pericarditis
- Pneumomypopericardium
- Purulent pericarditis

---

Unacceptable principal diagnosis symbol per Medicare code edits.
Questionable admission.
Complication or comorbidity.
Principal diagnosis as its own MCC.
Principal diagnosis as its own HCC.
HCC diagnosis code.
RxHCC diagnosis code.
MACRA code.
Z code as first-listed diagnosis.

When symbols appear on a code that requires a 7th character extension, refer to Appendix B to identify applicable 7th character codes.
### I30.8 - I30.9 Acute pericarditis, unspecified

- **Acute pericarditis**: A sudden onset of inflammation of the pericardium, the outer layer of the heart.

#### Diseases of the Circulatory System (I00-I99)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I30.8</td>
<td>Other forms of acute pericarditis</td>
</tr>
<tr>
<td>I30.9</td>
<td>Acute pericarditis, unspecified</td>
</tr>
</tbody>
</table>

#### Excludes
- Pericarditis in diseases classified elsewhere
- Acute pericarditis, unspecified

**Exclusion Note**: Use additional code (B95-B97) to identify infectious agent.

#### I31 Other diseases of pericardium

- **I31.0 Chronic adhesive pericarditis**: A chronic inflammation of the pericardium that may lead to adherent pericardium.
- **I31.1 Chronic constrictive pericarditis**: A chronic narrowing of the pericardial space due to inflammation.
- **I31.2 Hemopericardium, not elsewhere classified**: Hemorrhage into the pericardial space.
- **I31.3 Pericardial effusion (noninflammatory)**: An accumulation of fluid in the pericardial space.
- **I31.4 Cardiac tamponade**

**Code first underlying cause**

#### I31.8 Other specified diseases of pericardium

- **I31.8.1 Nonrheumatic pulmonary valve regurgitation**
- **I31.8.2 Nonrheumatic tricuspid valve disorder**
- **I31.8.3 Nonrheumatic mitral valve disorder**

**Excludes**: Diseases of pericardium specified as rheumatic (I09.2)

#### I31.9 Disease of pericardium, unspecified

- **I31.9.1 Pericarditis (chronic)**
- **I31.9.2 Pericarditis in diseases classified elsewhere**

**Code first underlying disease**

#### I32 Pericarditis in diseases classified elsewhere

- **I32.0 Pericarditis (in):**
  - Coxsackie virus (B33.23)
  - Gonococcal (A54.83)
  - Meningococcal (A39.53)
  - Rheumatoid arthritis (M05.31)
  - Syphilitic (A52.06)
  - Systemic lupus erythematosus (M32.12)
  - Tuberculosis (A18.84)

**Excludes**: Diseases of pericardium specified as rheumatic (I09.2)

#### I33 Acute and subacute endocarditis

- **I33.0 Acute and subacute infective endocarditis**
  - Bacterial endocarditis (acute) (subacute) NOS
  - Infective endocarditis (acute) (subacute) NOS
  - Endocarditis lenta (acute) (subacute) NOS
  - Malignant endocarditis (acute) (subacute) NOS
  - Septic endocarditis (acute) (subacute) NOS
  - Ulcerative endocarditis (acute) (subacute) NOS
  - Vegetative endocarditis (acute) (subacute) NOS

**Excludes**: Pericarditis (chronic) NOS

#### I33.9 Acute and subacute endocarditis, unspecified

- **Acute endocarditis NOS**
- **Acute myoendocarditis NOS**
- **Acute periendocarditis NOS**
- **Subacute periendocarditis NOS**
- **Subacute myoendocarditis NOS**
- **Subacute endocarditis NOS**

**Excludes**: Pericarditis (chronic) NOS

#### I34 Nonrheumatic mitral valve disorders

- **I34.0 Nonrheumatic mitral (valve) insufficiency**
- **I34.1 Nonrheumatic mitral (valve) prolapse**
- **I34.2 Nonrheumatic mitral (valve) stenosis**
- **I34.3 Other nonrheumatic mitral valve disorders**

**Excludes**: Diseases of pericardium specified as rheumatic (I09.2)

### I35 Nonrheumatic aortic valve disorders

- **I35.0 Nonrheumatic aortic (valve) stenosis**
- **I35.1 Nonrheumatic aortic (valve) insufficiency**
- **I35.2 Nonrheumatic aortic (valve) stenosis with insufficiency**

**Excludes**: Diseases of pericardium specified as rheumatic (I09.2)

### I36 Nonrheumatic tricuspid valve disorders

- **I36.0 Nonrheumatic tricuspid (valve) stenosis**
- **I36.1 Nonrheumatic tricuspid (valve) insufficiency**
- **I36.2 Nonrheumatic tricuspid (valve) stenosis with insufficiency**
- **I36.3 Other nonrheumatic tricuspid valve disorders**

**Excludes**: Diseases of pericardium specified as rheumatic (I09.2)

### I37 Nonrheumatic pulmonary valve disorders

- **I37.0 Nonrheumatic pulmonary valve stenosis**
- **I37.1 Nonrheumatic pulmonary valve insufficiency**
- **I37.2 Nonrheumatic pulmonary valve stenosis with insufficiency**
- **I37.3 Other nonrheumatic pulmonary valve disorders**

**Excludes**: Diseases of pericardium specified as rheumatic (I09.2)

### I38 Endocarditis, valve unspecified

- **I38.0 Endocarditis, valve unspecified**

**Excludes**: Endocarditis (chronic) NOS

#### I39 Endocarditis and heart valve disorders in diseases classified elsewhere

- **I39.0 Endocarditis and heart valve disorders in diseases classified elsewhere**

**Excludes**: Endocarditis (chronic) NOS

**Note**: Code first underlying disease, such as:
- Q fever (A78)

**Includes**: Endocarditis (chronic) NOS

#### I39.1 Endocarditis and heart valve disorders in diseases classified elsewhere

**Excludes**: Endocarditis (chronic) NOS

**Note**: Endocardial involvement in:

---

**Unspecified Code**
- **New Code**
- **Other Specified Code**
- **Manifestation Code**
- **N** Newborn
- **P** Pediatric
- **M** Maternity
- **A** Adult
- **F** Male
- **G** Female
- **4th Character required**
- **5th Character required**
- **6th Character required**
- **7th Character required**
- **Extension X’ Alert**
- **N** Not included here
- **N** Not coded here
- **S** hospital-acquired condition (HAC) alert
- **AHA** AHA Coding Clinic

When symbols appear on a code that requires a 7th character extension, refer to Appendix B to identify applicable 7th character codes.
### Chapter 9: Diseases of the Circulatory System (I00-I99)

#### I40 - I45.9

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I40.9</td>
<td>A cute and puerperium (O99.4)</td>
</tr>
<tr>
<td>I42.0</td>
<td>Diminished cardiac output (I42.0)</td>
</tr>
<tr>
<td>I42.1</td>
<td>Obstructive hypertrophic cardiomyopathy (I42.1)</td>
</tr>
<tr>
<td>I42.2</td>
<td>Other hypertrophic cardiomyopathy (I42.2)</td>
</tr>
<tr>
<td>I42.3</td>
<td>Endomyocardial (eosinophilic) disease (I42.3)</td>
</tr>
<tr>
<td>I42.4</td>
<td>Endocardial fibroelastosis (I42.4)</td>
</tr>
<tr>
<td>I42.5</td>
<td>Other restrictive cardiomyopathy (I42.5)</td>
</tr>
<tr>
<td>I42.6</td>
<td>Alcoholic cardiomyopathy (I42.6)</td>
</tr>
<tr>
<td>I42.7</td>
<td>Cardiomyopathy due to drug and external agent (I42.7)</td>
</tr>
<tr>
<td>I42.8</td>
<td>Other cardiomyopathies (I42.8)</td>
</tr>
<tr>
<td>I42.9</td>
<td>Cardiomyopathy, unspecified (I42.9)</td>
</tr>
<tr>
<td>I43</td>
<td>Cardiomyopathy in diseases classified elsewhere (I43)</td>
</tr>
</tbody>
</table>

#### Tabular List

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I44.0</td>
<td>Atrioventricular block, first degree (I44.0)</td>
</tr>
<tr>
<td>I44.1</td>
<td>Atrioventricular block, second degree (I44.1)</td>
</tr>
<tr>
<td>I44.2</td>
<td>Atrioventricular block, complete (I44.2)</td>
</tr>
<tr>
<td>I44.3</td>
<td>Other and unspecified atrioventricular block (I44.3)</td>
</tr>
<tr>
<td>I44.4</td>
<td>Left anterior fascicular block (I44.4)</td>
</tr>
<tr>
<td>I44.5</td>
<td>Left posterior fascicular block (I44.5)</td>
</tr>
<tr>
<td>I44.6</td>
<td>Other and unspecified fascicular block (I44.6)</td>
</tr>
<tr>
<td>I44.7</td>
<td>Left bundle-branch block, unspecified (I44.7)</td>
</tr>
<tr>
<td>I45</td>
<td>Other conduction disorders (I45)</td>
</tr>
<tr>
<td>I45.0</td>
<td>Right fascicular block (I45.0)</td>
</tr>
<tr>
<td>I45.1</td>
<td>Other and unspecified right bundle-branch block (I45.1)</td>
</tr>
<tr>
<td>I45.2</td>
<td>Bifascicular block (I45.2)</td>
</tr>
<tr>
<td>I45.3</td>
<td>trifascicular block (I45.3)</td>
</tr>
<tr>
<td>I45.4</td>
<td>Nonspecific intraventricular block (I45.4)</td>
</tr>
<tr>
<td>I45.5</td>
<td>Other specified heart block (I45.5)</td>
</tr>
<tr>
<td>I45.6</td>
<td>Pre-excitation syndrome (I45.6)</td>
</tr>
<tr>
<td>I45.7</td>
<td>Accelerated atrioventricular conduction (I45.7)</td>
</tr>
<tr>
<td>I45.8</td>
<td>Other specified conduction disorders (I45.8)</td>
</tr>
</tbody>
</table>

**Definitions:**
- **Acute myocarditis:** Inflammation of the heart muscle, typically caused by viral infection.
- **Cardiomyopathy:** A condition characterized by abnormal heart muscle structure and function.
- **Heart block:** A type of heart conduction block where the signal to the heart muscle is delayed or interrupted.

**Coding Notes:**
- Use additional code (B95-B97) to identify infectious agent causing myocarditis.
- Code first pre-existing cardiomyopathy complicating pregnancy and puerperium (O99.4).
- Code first pre-existing cardiomyopathy complicating pregnancy and puerperium (O99.4).
### Tabular List

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I46</td>
<td>Cardiac arrest</td>
</tr>
<tr>
<td>I46.2</td>
<td>Cardiac arrest due to underlying cardiac condition</td>
</tr>
<tr>
<td>I46.8</td>
<td>Cardiac arrest due to other underlying condition</td>
</tr>
<tr>
<td>I46.9</td>
<td>Cardiac arrest, cause unspecified</td>
</tr>
<tr>
<td>I47</td>
<td>Paroxysmal tachycardia</td>
</tr>
<tr>
<td>I47.0</td>
<td>Re-entry ventricular tachycardia</td>
</tr>
<tr>
<td>I47.1</td>
<td>Supraventricular tachycardia</td>
</tr>
<tr>
<td>I47.2</td>
<td>Ventricular tachycardia</td>
</tr>
<tr>
<td>I48</td>
<td>Atrial fibrillation and flutter</td>
</tr>
<tr>
<td>I48.0</td>
<td>Paroxysmal atrial fibrillation</td>
</tr>
<tr>
<td>I48.1</td>
<td>Persistent atrial fibrillation</td>
</tr>
<tr>
<td>I48.2</td>
<td>Chronic atrial fibrillation</td>
</tr>
<tr>
<td>I48.3</td>
<td>Typical atrial flutter</td>
</tr>
<tr>
<td>I48.4</td>
<td>Atypical atrial flutter</td>
</tr>
<tr>
<td>I48.9</td>
<td>Unspecified atrial fibrillation and atrial flutter</td>
</tr>
<tr>
<td>I49</td>
<td>Other cardiac arrhythmias</td>
</tr>
<tr>
<td>I49.0</td>
<td>Ventricular fibrillation and flutter</td>
</tr>
<tr>
<td>I49.1</td>
<td>Atrial premature depolarization</td>
</tr>
<tr>
<td>I49.2</td>
<td>Junctional premature depolarization</td>
</tr>
<tr>
<td>I49.3</td>
<td>Ventricular premature depolarization</td>
</tr>
<tr>
<td>I49.9</td>
<td>Other specified cardiac arrhythmias</td>
</tr>
<tr>
<td>I50</td>
<td>Heart failure</td>
</tr>
<tr>
<td>I50.0</td>
<td>Unspecified code</td>
</tr>
<tr>
<td>I50.2</td>
<td>Systolic (congestive) heart failure</td>
</tr>
<tr>
<td>I50.3</td>
<td>Diastolic (congestive) heart failure</td>
</tr>
<tr>
<td>I50.4</td>
<td>Combined systolic (congestive) and diastolic (congestive) heart failure</td>
</tr>
<tr>
<td>I50.8</td>
<td>Other heart failure</td>
</tr>
<tr>
<td>I50.81</td>
<td>Right heart failure</td>
</tr>
</tbody>
</table>

### Notes

- **Cardiac arrhythmia**: Atrial fibrillation, flutter, premature depolarization, and other specified cardiac arrhythmias are not coded here.
- **Cardiac arrest**: Cardiogenic shock (R57.0) is not coded here.
- **Heart failure**: Cardiac arrest complicating abortion or ectopic or molar pregnancy (O00-O07, O08.8) is not coded here.
- **Paroxysmal tachycardia**: Supraventricular tachycardia is not coded here.

### ICD-10-CM 2019

- **Chapter 9: Diseases of the Circulatory System (I00-I99)**
- **Section 146 - I50.81**

When symbols appear on a code that requires a 7th character extension, refer to Appendix B to identify applicable 7th character codes.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I50.810</td>
<td>Right ventricular failure</td>
</tr>
<tr>
<td>I50.811</td>
<td>Acute right heart failure</td>
</tr>
<tr>
<td>I50.812</td>
<td>Chronic right heart failure</td>
</tr>
<tr>
<td>I50.813</td>
<td>Acute on chronic right heart failure</td>
</tr>
<tr>
<td>I50.814</td>
<td>Right heart failure due to left heart failure</td>
</tr>
<tr>
<td>I50.82</td>
<td>Biventricular heart failure</td>
</tr>
<tr>
<td>I50.83</td>
<td>High output heart failure</td>
</tr>
<tr>
<td>I50.84</td>
<td>Right ventricular failure secondary to left ventricular failure</td>
</tr>
<tr>
<td>I50.85</td>
<td>Other heart failure</td>
</tr>
</tbody>
</table>

### Complications and ill-defined descriptions of heart disease

**Complications and ill-defined descriptions of heart disease**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I51.0</td>
<td>Cardiac septal defect, acquired</td>
</tr>
<tr>
<td>I51.1</td>
<td>Rupture of chordae tendineae, not elsewhere classified</td>
</tr>
<tr>
<td>I51.2</td>
<td>Rupture of papillary muscle, not elsewhere classified</td>
</tr>
<tr>
<td>I51.3</td>
<td>Intracardiac thrombosis, not elsewhere classified</td>
</tr>
<tr>
<td>I51.4</td>
<td>Myocarditis, unspecified</td>
</tr>
</tbody>
</table>

### Cerebrovascular diseases

**Cerebrovascular diseases (I60-I69)**

Use additional code to identify presence of:
- alcohol abuse and dependence (F10-)
- exposure to environmental tobacco smoke (Z77.22)
- history of tobacco dependence (Z87.891)
- hypertension (I10-I15)
- occupational exposure to environmental tobacco smoke (Z57.31)
- tobacco dependence (F17-)
- tobacco use (Z72.0)

**Nontraumatic subarachnoid hemorrhage**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I60.0</td>
<td>Nontraumatic subarachnoid hemorrhage from carotid siphon and bifurcation</td>
</tr>
<tr>
<td>I60.1</td>
<td>Nontraumatic subarachnoid hemorrhage from middle cerebral artery</td>
</tr>
</tbody>
</table>

**Myocardial degeneration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I51.5</td>
<td>Myocardial degeneration</td>
</tr>
</tbody>
</table>

**Cardiomegaly**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I51.7</td>
<td>Cardiomegaly</td>
</tr>
</tbody>
</table>

**Other ill-defined heart diseases**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I51.8</td>
<td>Takotsubo syndrome</td>
</tr>
<tr>
<td>I51.9</td>
<td>Heart disease, unspecified</td>
</tr>
</tbody>
</table>

### Heart failure due to hypertension

Use additional code to identify presence of:
- tobacco use (Z72.0)
- alcohol abuse and dependence (F10-)

**Heart failure due to hypertension**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I52.0</td>
<td>高血压 heart failure (I52.0)</td>
</tr>
<tr>
<td>I52.1</td>
<td>Acute heart failure due to hypertension (I52.1)</td>
</tr>
<tr>
<td>I52.2</td>
<td>Chronic heart failure due to hypertension (I52.2)</td>
</tr>
<tr>
<td>I52.3</td>
<td>Congestive heart failure due to hypertension (I52.3)</td>
</tr>
</tbody>
</table>

**Nontraumatic subarachnoid hemorrhage**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I60.0</td>
<td>Nontraumatic subarachnoid hemorrhage from carotid siphon and bifurcation</td>
</tr>
<tr>
<td>I60.1</td>
<td>Nontraumatic subarachnoid hemorrhage from middle cerebral artery</td>
</tr>
</tbody>
</table>

**Other heart disorders in diseases classified elsewhere**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I52</td>
<td>Other heart disorders in diseases classified elsewhere</td>
</tr>
</tbody>
</table>

### Appendix B

When symbols appear on a code that requires a 7th character extension, refer to Appendix B to identify applicable 7th character codes.
### Chapter 9: Diseases of the Circulatory System (I00-I99)

#### I66.9 - I69.033

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>I66.9</td>
<td>Other cerebrovascular disorders in diseases classified elsewhere</td>
</tr>
<tr>
<td>I66.0</td>
<td>Cerebral amyloid angiopathy</td>
</tr>
<tr>
<td>I66.2</td>
<td>Cerebral arteritis in other diseases classified elsewhere</td>
</tr>
<tr>
<td>I66.8</td>
<td>Other cerebrovascular disorders in diseases classified elsewhere</td>
</tr>
</tbody>
</table>

#### Tabular List

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I69.0</td>
<td>Unspecified sequelae of nontraumatic subarachnoid hemorrhage</td>
</tr>
<tr>
<td>I69.01</td>
<td>Cognitive deficits following nontraumatic subarachnoid hemorrhage</td>
</tr>
<tr>
<td>I69.014</td>
<td>Frontal lobe and executive function deficit following nontraumatic subarachnoid hemorrhage</td>
</tr>
<tr>
<td>I69.015</td>
<td>Cognitive social or emotional deficit following nontraumatic subarachnoid hemorrhage</td>
</tr>
<tr>
<td>I69.02</td>
<td>Speech and language deficits following nontraumatic subarachnoid hemorrhage</td>
</tr>
<tr>
<td>I69.031</td>
<td>Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting right dominant side</td>
</tr>
<tr>
<td>I69.032</td>
<td>Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting left dominant side</td>
</tr>
<tr>
<td>I69.033</td>
<td>Monoplegia of upper limb following nontraumatic subarachnoid hemorrhage affecting right non-dominant side</td>
</tr>
</tbody>
</table>

---

Unacceptable principal diagnosis symbol per Medicare code edits  
Code exempt from diagnosis present on admission requirement  
Questionable admission  
Complication or comorbidity  
CC/MCC exclusion  
Major complication or comorbidity  
Principal diagnosis as its own CC  
Principal diagnosis as its own MCC  
HCC diagnosis code  
RxHCC diagnosis code  
MACRA code  
Z code as first-listed diagnosis  

2019 ICD-10-CM
### Chapter 9: Diseases of the Circulatory System (I00-I99)

**I69.93 - I80.2**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I69.93</td>
<td>Monoplegia of upper limb following unspecified cerebrovascular disease</td>
</tr>
<tr>
<td>I69.931</td>
<td>Monoplegia of upper limb following unspecified cerebrovascular disease affecting right dominant side</td>
</tr>
<tr>
<td>I69.932</td>
<td>Monoplegia of upper limb following unspecified cerebrovascular disease affecting left dominant side</td>
</tr>
<tr>
<td>I69.933</td>
<td>Monoplegia of upper limb following unspecified cerebrovascular disease affecting right non-dominant side</td>
</tr>
<tr>
<td>I69.934</td>
<td>Monoplegia of upper limb following unspecified cerebrovascular disease affecting left non-dominant side</td>
</tr>
<tr>
<td>I69.939</td>
<td>Monoplegia of upper limb following unspecified cerebrovascular disease affecting unspecified side</td>
</tr>
<tr>
<td>I69.94</td>
<td>Monoplegia of lower limb following unspecified cerebrovascular disease</td>
</tr>
<tr>
<td>I69.941</td>
<td>Monoplegia of lower limb following unspecified cerebrovascular disease affecting right dominant side</td>
</tr>
<tr>
<td>I69.942</td>
<td>Monoplegia of lower limb following unspecified cerebrovascular disease affecting left dominant side</td>
</tr>
<tr>
<td>I69.943</td>
<td>Monoplegia of lower limb following unspecified cerebrovascular disease affecting right non-dominant side</td>
</tr>
<tr>
<td>I69.944</td>
<td>Monoplegia of lower limb following unspecified cerebrovascular disease affecting left non-dominant side</td>
</tr>
<tr>
<td>I69.949</td>
<td>Monoplegia of lower limb following unspecified cerebrovascular disease affecting unspecified side</td>
</tr>
<tr>
<td>I69.95</td>
<td>Hemiplegia and hemiparesis following unspecified cerebrovascular disease</td>
</tr>
<tr>
<td>I69.951</td>
<td>Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right dominant side</td>
</tr>
<tr>
<td>I69.952</td>
<td>Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left dominant side</td>
</tr>
<tr>
<td>I69.953</td>
<td>Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right non-dominant side</td>
</tr>
<tr>
<td>I69.954</td>
<td>Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left non-dominant side</td>
</tr>
<tr>
<td>I69.959</td>
<td>Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side</td>
</tr>
<tr>
<td>I69.96</td>
<td>Other paralytic syndrome following unspecified cerebrovascular disease</td>
</tr>
<tr>
<td>I69.961</td>
<td>Other paralytic syndrome following unspecified cerebrovascular disease affecting right dominant side</td>
</tr>
<tr>
<td>I69.962</td>
<td>Other paralytic syndrome following unspecified cerebrovascular disease affecting left dominant side</td>
</tr>
<tr>
<td>I69.963</td>
<td>Other paralytic syndrome following unspecified cerebrovascular disease affecting unspecified side</td>
</tr>
<tr>
<td>I69.964</td>
<td>Other paralytic syndrome following unspecified cerebrovascular disease affecting left non-dominant side</td>
</tr>
<tr>
<td>I69.965</td>
<td>Other paralytic syndrome following unspecified cerebrovascular disease affecting right non-dominant side</td>
</tr>
<tr>
<td>I69.966</td>
<td>Other paralytic syndrome following unspecified cerebrovascular disease affecting bilateral</td>
</tr>
<tr>
<td>I69.99</td>
<td>Other sequelae of unspecified cerebrovascular disease</td>
</tr>
<tr>
<td>I69.992</td>
<td>Facial weakness following unspecified cerebrovascular disease</td>
</tr>
<tr>
<td>I69.993</td>
<td>Ataxia following unspecified cerebrovascular disease</td>
</tr>
<tr>
<td>I69.994</td>
<td>Alteration in sensation following unspecified cerebrovascular disease</td>
</tr>
<tr>
<td>I69.995</td>
<td>Disturbance of vision following unspecified cerebrovascular disease</td>
</tr>
</tbody>
</table>

#### Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified (I80-I89)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I80</td>
<td>Phlebitis and thrombophlebitis</td>
</tr>
<tr>
<td>I80.0</td>
<td>Phlebitis and thrombophlebitis of superficial vessels of lower extremities</td>
</tr>
<tr>
<td>I80.00</td>
<td>Phlebitis and thrombophlebitis of superficial vessels of unspecified lower extremity</td>
</tr>
<tr>
<td>I80.01</td>
<td>Phlebitis and thrombophlebitis of femoropopliteal vein</td>
</tr>
<tr>
<td>I80.02</td>
<td>Phlebitis and thrombophlebitis of superficial vessels of left lower extremity</td>
</tr>
<tr>
<td>I80.03</td>
<td>Phlebitis and thrombophlebitis of superficial vessels of lower extremities, bilateral</td>
</tr>
<tr>
<td>I80.1</td>
<td>Phlebitis and thrombophlebitis of femoral vein</td>
</tr>
<tr>
<td>I80.10</td>
<td>Phlebitis and thrombophlebitis of unspecified femoral vein</td>
</tr>
<tr>
<td>I80.11</td>
<td>Phlebitis and thrombophlebitis of right femoral vein</td>
</tr>
<tr>
<td>I80.12</td>
<td>Phlebitis and thrombophlebitis of left femoral vein</td>
</tr>
<tr>
<td>I80.13</td>
<td>Phlebitis and thrombophlebitis of femoral vein, other paratendinous</td>
</tr>
<tr>
<td>I80.2</td>
<td>Phlebitis and thrombophlebitis of other and unspecified deep vessels of lower extremities</td>
</tr>
</tbody>
</table>

---

When symbols appear on a code that requires a 7th character extension, refer to Appendix B to identify applicable 7th character codes.