421 Acute and subacute endocarditis

Acute inflammation of the inner lining of the heart (endocardium) caused by an infectious organism.

421.0 Acute subacute endocarditis

Acute or subacute bacterial endocarditis

- Infective endocarditis
- Subacute bacterial endocarditis
- Infective aneurysm
- Vegetative or infective vegetative growth

Use additional code to identify infectious organism [e.g., Staphylococcus 041.1, Streptococcus 041.2]

AHA: 1Q, '06, 15; 4Q, '07, 86, 87; 3Q, '06, 7; 2Q, '00, 16; 3Q, '98, 11; N-D, '87, 8; N-D, '84, 8

421.1 Acute endocarditis

Acute and subacute endocarditis in diseases classified elsewhere

- Infective endocarditis in diseases classified elsewhere
- Acute and subacute infective endocarditis in diseases classified elsewhere

Def: Acute inflammation of the endocardium (intracardiac area); major manifestations include fever, fatigue, heart murmurs, splenomegaly, embolic episodes and areas of infarction.

Bacterial infection NOS
- Infectious endocarditis
- Subacute bacterial endocarditis (SBE)

Use additional code to identify infectious organism [e.g., Staphylococcus 041.1, Streptococcus 041.2]

AHA: 1Q, '99, 12; 1Q, '91, 15

421.2 Acute and subacute infective endocarditis in diseases classified elsewhere

Code first underlying disease, as:

- Bacterial diseases classified elsewhere
- Infectious diseases classified elsewhere

Use additional code to identify infectious organism [e.g., Staphylococcus 041.1, Streptococcus 041.2]

AHA: 4Q, '08, 73; 1Q, '93, 19

421.3 Other specified diseases of endocardium

- Mitral valve disorders
- Other specified diseases of endocardium

Def: Inflammation of the heart muscle due to an adverse reaction to certain drugs or chemicals washing the heart through the bloodstream.

421.9 Other unspecified acute myocarditis

Acute or subacute myocarditis

Use additional code to identify infectious organism [e.g., Staphylococcus 041.1, Streptococcus 041.2]

AHA: 2Q, '89, 12

422 Acute myocarditis

Acute inflammation of the muscular walls of the heart (myocardium).

422.0 Acute subacute myocarditis

Acute myocarditis

- Acute arthritis
- Acute myocarditis (acute)
- Acute myocarditis (due to):
  - Tuberculosis (017.9)
  - Typhoid (fever) (002.0)
  - Blastomycosis (116.0)
  - Malignant endocarditis (486.8)
  - Lenta infective endocarditis (424.17)
  - Vegetative endocarditis
  - Purulent infective endocarditis
  - Infective endocarditis NOS
  - Acute endocarditis, unspecified
  - Septic endocarditis
  - Idiopathic myocarditis
  - Other specified myocarditis

DEF: Acute inflammation of the muscular walls of the heart (myocardium).

Bacterial inflammation of the endocardium (intracardiac area); major manifestations include fever, fatigue, heart murmurs, splenomegaly, embolic episodes and areas of infarction.

DEF: Acute myocarditis (acute) (due to):

- Tuberculosis (017.9)
- Typhoid (fever) (002.0)
- Blastomycosis (116.0)
- Malignant endocarditis (486.8)
- Lenta infective endocarditis (424.17)
- Vegetative endocarditis
- Purulent infective endocarditis
- Infective endocarditis NOS
- Acute endocarditis, unspecified
- Septic endocarditis
- Idiopathic myocarditis
- Other specified myocarditis

AHA: 2Q, '89, 12

423 Other diseases of pericardium

423.0 Pericardial effusion

- Acute and subacute pericardial effusion
- Pericardial effusion in diseases classified elsewhere

Def: Life-threatening condition in which fluid or blood accumulates between the muscle of the heart (myocardium) and the outer sac (pericardium), resulting in compression of the heart, which decreases cardiac output.

AHA: 1Q, '07, 11

423.1 Acute pericarditis

Acute inflammation of the serous lining of the heart (pericardium)

- Acute pericarditis
- Subacute pericarditis
- Chronic pericarditis

Def: Acute inflammation of the serous lining of the heart (pericardium), resulting in compression of the heart, which decreases cardiac output.

AHA: 2Q, '89, 12

423.2 Chronic pericarditis

- Constrictive pericarditis
- Nonconstrictive pericarditis

Def: Acute inflammation of the serous lining of the heart (pericardium), resulting in compression of the heart, which decreases cardiac output.

AHA: 1Q, '99, 11; 4Q, '07, 86, 87

423.3 Cardiac tamponade

- Normal cardiac tamponade
- Cardiac tamponade

Def: Excessive fluid in the pericardial sac (pericardium).

AHA: 1Q, '07, 11

424 Other diseases of endocardium

424.0 Valvular heart disease

- Mitral valve disease
- Other specified valvular heart disease

Def: Involvement of one or more valves of the heart, resulting in abnormal function of the valve(s).

AHA: 3Q, '06, 7; 2Q, '00, 16; 3Q, '98, 11; 1Q, '94, 37; 9Q, '93, 34; 4Q, '91, 84; 4Q, '87, 84

424.1 Mitral valve disease

- Mitral stenosis
- Mitral regurgitation

Def: Mitral valve incompetence or mitral insufficiency.

AHA: 1Q, '07, 11

424.2 Aortic valve disease

- Aortic insufficiency
- Aortic regurgitation

Def: Aortic valve incompetence or aortic insufficiency.

AHA: 2Q, '89, 12

424.3 Other valvular heart disease

- Other specified valvular heart disease

Def: Involvement of one or more valves of the heart, resulting in abnormal function of the valve(s).

AHA: 3Q, '06, 7; 2Q, '00, 16; 3Q, '98, 11; 1Q, '94, 37; 9Q, '93, 34; 4Q, '91, 84; 4Q, '87, 84

424.4 Other nonvalvular heart disease

- Other specified nonvalvular heart disease

Def: Nonvalvular heart disease.

AHA: 3Q, '06, 7; 2Q, '00, 16; 3Q, '98, 11; 1Q, '94, 37; 9Q, '93, 34; 4Q, '91, 84; 4Q, '87, 84

424.5 Other specified valvular heart disease

- Other specified valvular heart disease

Def: Involvement of one or more valves of the heart, resulting in abnormal function of the valve(s).

AHA: 3Q, '06, 7; 2Q, '00, 16; 3Q, '98, 11; 1Q, '94, 37; 9Q, '93, 34; 4Q, '91, 84; 4Q, '87, 84

424.6 Other specified nonvalvular heart disease

- Other specified nonvalvular heart disease

Def: Nonvalvular heart disease.

AHA: 3Q, '06, 7; 2Q, '00, 16; 3Q, '98, 11; 1Q, '94, 37; 9Q, '93, 34; 4Q, '91, 84; 4Q, '87, 84

424.7 Other nonvalvular heart disease

- Other specified nonvalvular heart disease

Def: Nonvalvular heart disease.

AHA: 3Q, '06, 7; 2Q, '00, 16; 3Q, '98, 11; 1Q, '94, 37; 9Q, '93, 34; 4Q, '91, 84; 4Q, '87, 84

424.8 Other nonvalvular heart disease

- Other specified nonvalvular heart disease

Def: Nonvalvular heart disease.

AHA: 3Q, '06, 7; 2Q, '00, 16; 3Q, '98, 11; 1Q, '94, 37; 9Q, '93, 34; 4Q, '91, 84; 4Q, '87, 84

424.9 Codes for use with...
### Diseases of the Circulatory System

#### 432–437.4 Diseases of the Circulatory System

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>432.0</td>
<td>Nontraumatic extracranial hemorrhage</td>
</tr>
<tr>
<td>433.0</td>
<td>Occlusion and stenosis of precerebral arteries</td>
</tr>
<tr>
<td>434.0</td>
<td>Cerebral embolism</td>
</tr>
<tr>
<td>435.0</td>
<td>Basilar artery syndrome</td>
</tr>
<tr>
<td>436.0</td>
<td>Cerebrovascular Arteries</td>
</tr>
<tr>
<td>437.0</td>
<td>Cerebral atherosclerosis</td>
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</tbody>
</table>

#### Tabular List

**ICD-9-CM**

 Requires fifth digit. Valid digits are in brackets under each code. See appropriate category for codes and definitions.

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<tr>
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<tbody>
<tr>
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</tr>
<tr>
<td>434.0</td>
<td>Cerebral artery occlusion, unspecified</td>
</tr>
<tr>
<td>435.0</td>
<td>Transient cerebral ischemia</td>
</tr>
<tr>
<td>436.0</td>
<td>Acute, but ill-defined, cerebrovascular disease</td>
</tr>
<tr>
<td>437.0</td>
<td>Cerebral arteritis</td>
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**ICD-10**

<table>
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<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>I63.0</td>
<td>Occlusion/obstruction of arteries branching into brain</td>
</tr>
<tr>
<td>I63.1</td>
<td>Occlusion/obstruction of arteries branching into brain subsequent to hemorrhage</td>
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<tr>
<td>I63.2</td>
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**Requires fifth digit. Valid digits are in brackets under each code. See appropriate category for codes and definitions.**
§ Require fourth and fifth digits. See beginning of section V30–V39 for codes and definitions.

A code from the V30–V39 series may be sequenced before the V29 on the newborn medical record.

AHA:

TIP:

NOTE

Persons with a Condition Influencing their Health Status (V40-V49)

These categories are intended for use when these conditions are recorded as "diagnoses" or "problems.

TIP: Includes patients with a certain status or who have sequelae or residual of past conditions or diseases, which may affect current or future treatment.

V40 Mental and behavioral problems

V40.0 Problems with learning

V40.1 Problems with communication (including speech)

V40.2 Other mental problems

V40.3 Other behavioral problems

V40.31 Disorders in diseases classified elsewhere

Code first underlying disorder such as:

- Alzheimer’s disease (331.0)
- Attention/deficit hyperactivity disorder (299.81-299.83)

V40.32 Dementia, unspecified, with behavioral disturbance (294.21)
- Intellectual disabilities (317.319)

V40.39 Other specified behavioral problem

V41 Problems with special senses and other special functions

V41.0 Problems with sight

V41.1 Other eye problems

V41.2 Problems with hearing

V41.3 Other ear problems

V41.4 Problems with voice production

V41.5 Problems with smell and taste

V41.6 Problems with swallowing and mastication

V41.7 Problems with sexual function

V41.8 Other problems with special functions

V41.9 Unspecified problem with special functions

V42 Organ or tissue replaced by transplant

- Aneuploidy or homologous (animal) (human) transplant

V42.0 Other organ or tissue transplant

V42.1 Heart

V42.2 Heart valve

V42.3 Skin

V42.4 Bone

V42.5 Cornea

V42.6 Lung

V42.7 Liver

V42.8 Other specified organ or tissue

V42.9 Bone marrow

V42.8 Other unspecified organ or tissue

V42.81 Peripheral stem cells

V42.82 Bone marrow

NOTES

1 A code from the V40-V49 series may be sequenced before the V29 on the newborn medical record.
2 Require fourth and fifth digits. See beginning of section V30–V39 for codes and definitions.
3 Includes patients with a certain status or who have sequelae or residual of past conditions or diseases, which may affect current or future treatment.
<table>
<thead>
<tr>
<th>Condition</th>
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<td>Acetonemia</td>
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<tr>
<td>Amyotrophy</td>
<td>250.61</td>
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<tr>
<td>Angiopathy, angiopathy (peripheral)</td>
<td>250.71</td>
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<tr>
<td>Arthritis, arthropathy</td>
<td>250.61</td>
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<td>Chronic's</td>
<td>250.61</td>
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<tr>
<td>Diabetic neuropathy</td>
<td>250.61</td>
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<tr>
<td>Charcot's joint (disease)</td>
<td>250.61</td>
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<tr>
<td>Chemical</td>
<td>250.61</td>
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<tr>
<td>Coma (with ketosacidosis)</td>
<td>250.31</td>
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<tr>
<td>Hypoglycemic</td>
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<td>Hypoglycemic (nonketotic)</td>
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