Either the hypertension or the condition included in I20-I25 may be sequenced before the other. There is no longer a sequencing rule that applies. Coders should consider the focus of care and the documentation of the physician or NPP.

**120 Angina pectoris**

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)
- tobacco dependence (F17.-)
- tobacco use (Z72.0)

**EXCLUDES 1** angina pectoris with atherosclerotic heart disease of native coronary arteries (I25.1-)
- atherosclerosis of coronary artery bypass graft(s) and coronary artery of transplanted heart with angina pectoris (I25.7-)
- postinfarction angina (I23.7)

**GUIDELINES**

**Section I.C.9.b.** ICD-10-CM has combination codes for atherosclerotic heart disease with angina pectoris. The subcategories for these codes are I25.11, Atherosclerotic heart disease of native coronary artery with angina pectoris and I25.7, Atherosclerosis of coronary artery bypass graft(s) and coronary artery of transplanted heart with angina pectoris.

When using one of these combination codes it is not necessary to use an additional code for angina pectoris. A causal relationship can be assumed in a patient with both atherosclerosis and angina pectoris, unless the documentation indicates the angina is due to something other than the atherosclerosis. If a patient with coronary artery disease is admitted due to an acute myocardial infarction (AMI), the AMI should be sequenced before the coronary artery disease.

**CODING TIPS** Do not assign a code from I20.- for a patient who also has coronary artery disease (CAD)/atherosclerotic heart disease (ASHD). Angina in a patient with CAD/ASHD should be coded to the appropriate I25.11-code.

**120.0 Unstable angina**
- Accelerated angina
- Crescendo angina
- De novo effort angina
- Intermediate coronary syndrome
- Preinfarction syndrome
- Worsening effort angina

**CODING TIPS** Unstable angina is also known as angina at rest.

**120.1 Angina pectoris with documented spasm**
- Angiospastic angina
- Prinzmetal angina
- Spasm-induced angina
- Variant angina

**120.8 Other forms of angina pectoris**
- Angina equivalent
- Angina of effort
- Coronary slow flow syndrome

**121 Acute myocardial infarction**

**INCLUDES**
- cardiac infarction coronary (artery) embolism
- coronary (artery) occlusion
- coronary (artery) rupture
- coronary (artery) thrombosis
- infarction of heart, myocardium, or ventricle
- myocardial infarction specified as acute or with a stated duration of 4 weeks (28 days) or less from onset

Use additional code, if applicable, to identify:
- exposure to environmental tobacco smoke (Z77.22)
- history of tobacco dependence (Z87.891)
- occupational exposure to environmental tobacco smoke (Z57.31)
- status post administration of tPA (rtPA) in a different facility within the last 24 hours prior to admission to current facility (Z92.82)
- tobacco dependence (F17.-)
- tobacco use (Z72.0)

**EXCLUDES 2**
- old myocardial infarction (I25.2)
- postmyocardial infarction syndrome (I24.1)
- subsequent type 1 myocardial infarction (I22.-)
Section I.C.9.e.1)
The ICD-10-CM codes for type 1 acute myocardial infarction (AMI) identify the site, such as anterolateral wall or true posterior wall. Subcategories I21.0-I21.2 and code I21.3 are used for type 1 ST elevation myocardial infarction (STEMI). Code I21.4, Non-ST elevation (NSTEMI) myocardial infarction, is used for type 1 non ST elevation myocardial infarction (NSTEMI) and nontransmural MIs. If a type 1 NSTEMI evolves to STEMI, assign the STEMI code. If a type 1 STEMI converts to NSTEMI due to thrombolytic therapy, it is still coded as STEMI.

Coding Tip: When assigning any code from I21.0 to report STEMI or NSTEMI, note that ICD-10 coding guidelines only allow assignment of these codes for admissions within 4 weeks following the occurrence of the MI. Use I22 codes for any subsequent MI during the same 4 weeks, if both the initial and subsequent MI were Type 1 or unspecified. After 4 weeks, assign I25.2 for the MI.

I21.0 ST elevation (STEMI) myocardial infarction of anterior wall
Type 1 ST elevation myocardial infarction of anterior wall

SP I21.01 ST elevation (STEMI) myocardial infarction involving left main coronary artery

SP I21.02 ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery
ST elevation (STEMI) myocardial infarction involving diagonal coronary artery

SP I21.09 ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
Acute transmural myocardial infarction of anterior wall
Anteroapical transmural (Q wave) infarction (acute)
Anterolateral transmural (Q wave) infarction (acute)
Anteroseptal transmural (Q wave) infarction (acute)
Transmural (Q wave) infarction (acute)

SP I21.1 ST elevation (STEMI) myocardial infarction of inferior wall

SP I21.11 ST elevation (STEMI) myocardial infarction involving right coronary artery
Infeposterior transmural (Q wave) infarction (acute)

SP I21.19 ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
Acute transmural myocardial infarction of inferior wall
Infeposterolateral transmural (Q wave) infarction (acute)
Transmural (Q wave) infarction (acute)
(of) diaphragmatic wall
Transmural (Q wave) infarction (acute)
(of) inferior (wall) NOS

EXCLUDES2 ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery (I21.2)

SP I21.2 ST elevation (STEMI) myocardial infarction of other sites
Type 1 ST elevation myocardial infarction of other sites

SP I21.21 ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery
ST elevation (STEMI) myocardial infarction involving oblique marginal coronary artery

SP I21.29 ST elevation (STEMI) myocardial infarction involving other sites
Acute transmural myocardial infarction of other sites
Apical-lateral transmural (Q wave) infarction (acute)
Basal-lateral transmural (Q wave) infarction (acute)
High lateral transmural (Q wave) infarction (acute)
Lateral (wall) NOS transmural (Q wave) infarction (acute)
Posterior (true) transmural (Q wave) infarction (acute)
Posterobasal transmural (Q wave) infarction (acute)
Posterolateral transmural (Q wave) infarction (acute)
Posteroseptal transmural (Q wave) infarction (acute)
Septal transmural (Q wave) infarction (acute) NOS

SP I21.3 ST elevation (STEMI) myocardial infarction of unspecified site
Acute transmural myocardial infarction of unspecified site
Transmural (Q wave) myocardial infarction NOS
Type 1 ST elevation myocardial infarction of unspecified site

Coding Tip: This code is used for a documented STEMI, but of unspecified location. Do not use this code for MI, NOS. Do not use this code if the physician or NPP has documented Type 2 MI.
Non-ST elevation (NSTEMI) myocardial infarction
Acute subendocardial myocardial infarction
Non-Q wave myocardial infarction NOS
Nontransmural myocardial infarction NOS
Type 1 non-ST elevation myocardial infarction

Code I21.4, Non-ST elevation (NSTEMI) myocardial infarction, is used for type 1 non-ST elevation myocardial infarction (NSTEMI) and nontransmural MIs.

Section I.C.9.e.1)

If an AMI is documented as nontransmural or subendocardial, but the site is provided, it is still coded as a subendocardial AMI.

Acute myocardial infarction, unspecified
Myocardial infarction (acute) NOS

Code I21.9, Acute myocardial infarction, unspecified, is the default for unspecified acute myocardial infarction or unspecified type. If only type 1 STEMI or transmural MI without the site is documented, assign code I21.3, ST elevation (STEMI) myocardial infarction of unspecified site.

This code is used for the initial MI when the physician has not documented the type or location of the infarct.

Other type of myocardial infarction
There is no code for a subsequent MI of types 2, 3, 4, 4a, 4b, 4c and 5. Continue to use I21.4-, remembering that a code can only be used once on a POC/claim.

Myocardial infarction type 2
Myocardial infarction due to demand ischemia
Myocardial infarction secondary to ischemic imbalance
Code first the underlying cause, such as:
- anemia (D50.0-D64.9)
- chronic obstructive pulmonary disease (J44.-)
- paroxysmal tachycardia (I47.0-I47.9)
- shock (R57.0-R57.9)

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 (T82.855-)
- (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 (T82.218-)

Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction
Includes:
- acute myocardial infarction occurring within four weeks (28 days) of a previous acute myocardial infarction, regardless of site
- cardiac infarction coronary (artery) embolism