

CMS Limitations Guide - Cardiovascular Services

Starting October 1, 2015, CMS will update their existing medical necessity limitations on tests and procedures to correspond to ICD-10 codes. This limitations guide provides you with the latest changes.

This guide is not an all-inclusive list of National Coverage Documents (NCD) and Local Coverage Documents (LCD). You can search by LCD or NCD or keyword and region on the CMS website at: <https://www.cms.gov/medicare-coverage-database/overview-and-quick-search.aspx?clickon=search>.

CMS will deny payment if the correct diagnosis codes are not entered on the order form, and your patient's test or procedure will not be covered. We compiled this information in one location to make it easier for you to find the proper codes for medically necessary diagnoses.

It is the responsibility of the provider to code to the highest level specified in the ICD-10-CM. The correct use of an ICD-10-CM code listed below does not assure coverage of a service. The service must be reasonable and necessary in the specific case and must meet the criteria specified in this determination.

We will continue to update this list as new CMS limitations are announced. You can always find the most current list at: www.munsonhealthcare.org/medicalnecessity.

If you have any questions, please contact Kari Smith, Office Coordinator, at **(231) 935-2296**, or Karen Popa, Director, Patient Access Services, at **(231) 935-7493**.

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(L34584) Transesophageal Echocardiography (Including Intraoperative TEE)

3D TEE (93312)

EP Carto (93312)

TEE (93312)

TEE 3D (93312)

TEE Complete (93312)

TEE W/GI (93312)

Trans Esophageal Echo (93312)

Transesophageal Echocardio (93312)

Group 1 Codes:

CPT Code	Description
93312	Echocardiography, transesophageal, real-time with image documentation (2d) (with or without m-mode recording); including probe placement, image acquisition, interpretation and report (3D TEE) (EP Carto) (TEE) (TEE 3D) (TEE Complete) (TEE W/GI) (Trans Esophageal Echo) (Transesophageal Echocardio)
93313	Echocardiography, transesophageal, real-time with image documentation (2d) (with or without m-mode recording); placement of transesophageal probe only
93314	Echocardiography, transesophageal, real-time with image documentation (2d) (with or without m-mode recording); image acquisition, interpretation and report only
93315	Transesophageal echocardiography for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report
93316	Transesophageal echocardiography for congenital cardiac anomalies; placement of transesophageal probe only
93317	Transesophageal echocardiography for congenital cardiac anomalies; image acquisition, interpretation and report only
93318	Echocardiography, transesophageal (tee) for monitoring purposes, including probe placement, real time 2-dimensional image acquisition and interpretation leading to ongoing (continuous) assessment of (dynamically changing) cardiac pumping function and to therapeutic measures on an immediate time basis
93320	Doppler echocardiography, pulsed wave and/or continuous wave with spectral display (list separately in addition to codes for echocardiographic imaging); complete
93321	Doppler echocardiography, pulsed wave and/or continuous wave with spectral display (list separately in addition to codes for echocardiographic imaging); follow-up or limited study (list separately in addition to codes for echocardiographic imaging)
93325	Doppler echocardiography color flow velocity mapping (list separately in addition to codes for echocardiography)
A9700	Supply of injectable contrast material for use in echocardiography, per study
G9157	Transesophageal doppler measurement of cardiac output (including probe placement, image acquisition, and interpretation per course of treatment) for monitoring purposes
Q9955	Injection, perflerone lipid microspheres, per ml
Q9956	Injection, octafluoropropane microspheres, per ml
Q9957	Injection, perflutren lipid microspheres, per ml

Group 2 Paragraph: Hospitals billing under OPPS are instructed to bill for echocardiograms with contrast or without contrast, followed by contrast studies using the applicable HCPCS code(s) below. They should also report the appropriate units of HCPCS codes for the contrast agents used in the performance of the echocardiograms.

Group 2 Codes:

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CPT Code	Description
C8925	Transesophageal echocardiography (tee) with contrast, or without contrast followed by with contrast, real time with image documentation (2d) (with or without m-mode recording); including probe placement, image acquisition, interpretation and report
C8926	Transesophageal echocardiography (tee) with contrast, or without contrast followed by with contrast, for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report
C8927	Transesophageal echocardiography (tee) with contrast, or without contrast followed by with contrast, for monitoring purposes, including probe placement, real time 2-dimensional image acquisition and interpretation leading to ongoing (continuous) assessment of (dynamically changing) cardiac pumping function and to therapeutic measures on an immediate time basis

ICD-10 Codes That Support Medical Necessity and Covered by Medicare Program:

Group 1 Paragraph: For use with CPT codes 93312, 93313, 93314, 93315, 93316 and 93317

Group 1 Codes:

Code	Description
A02.1	Salmonella sepsis
A18.84	Tuberculosis of heart
A22.7	Anthrax sepsis
A26.7	Erysipelothrix sepsis
A32.7	Listerial sepsis
A40.0	Sepsis due to streptococcus, group A
A40.1	Sepsis due to streptococcus, group B
A40.3	Sepsis due to Streptococcus pneumoniae
A40.8	Other streptococcal sepsis
A41.01	Sepsis due to Methicillin susceptible Staphylococcus aureus
A41.02	Sepsis due to Methicillin resistant Staphylococcus aureus
A41.1	Sepsis due to other specified staphylococcus
A41.3	Sepsis due to Hemophilus influenzae
A41.4	Sepsis due to anaerobes
A41.50	Gram-negative sepsis, unspecified
A41.51	Sepsis due to Escherichia coli [E. coli]
A41.52	Sepsis due to Pseudomonas
A41.53	Sepsis due to Serratia
A41.59	Other Gram-negative sepsis
A41.81	Sepsis due to Enterococcus
A41.89	Other specified sepsis
A42.7	Actinomycotic sepsis

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A54.86	Gonococcal sepsis
B37.7	Candidal sepsis
C38.0	Malignant neoplasm of heart
C45.2	Mesothelioma of pericardium
C79.89	Secondary malignant neoplasm of other specified sites
C79.9	Secondary malignant neoplasm of unspecified site
D15.1	Benign neoplasm of heart
D48.7	Neoplasm of uncertain behavior of other specified sites
D49.89	Neoplasm of unspecified behavior of other specified sites
D78.01	Intraoperative hemorrhage and hematoma of the spleen complicating a procedure on the spleen
D78.02	Intraoperative hemorrhage and hematoma of the spleen complicating other procedure
D78.11	Accidental puncture and laceration of the spleen during a procedure on the spleen
D78.12	Accidental puncture and laceration of the spleen during other procedure
D78.21	Postprocedural hemorrhage and hematoma of the spleen following a procedure on the spleen
D78.22	Postprocedural hemorrhage and hematoma of the spleen following other procedure
E36.01	Intraoperative hemorrhage and hematoma of an endocrine system organ or structure complicating an endocrine system procedure
E36.02	Intraoperative hemorrhage and hematoma of an endocrine system organ or structure complicating other procedure
E36.11	Accidental puncture and laceration of an endocrine system organ or structure during an endocrine system procedure
E36.12	Accidental puncture and laceration of an endocrine system organ or structure during other procedure
E86.0	Dehydration
E86.1	Hypovolemia
E86.9	Volume depletion, unspecified
E87.71	Transfusion associated circulatory overload
E87.79	Other fluid overload
G45.0	Vertebro-basilar artery syndrome
G45.1	Carotid artery syndrome (hemispheric)
G45.2	Multiple and bilateral precerebral artery syndromes
G45.8	Other transient cerebral ischemic attacks and related syndromes
G46.0	Middle cerebral artery syndrome
G46.1	Anterior cerebral artery syndrome
G46.2	Posterior cerebral artery syndrome
G97.31	Intraoperative hemorrhage and hematoma of a nervous system organ or structure complicating a nervous system procedure

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G97.32	Intraoperative hemorrhage and hematoma of a nervous system organ or structure complicating other procedure
G97.48	Accidental puncture and laceration of other nervous system organ or structure during a nervous system procedure
G97.49	Accidental puncture and laceration of other nervous system organ or structure during other procedure
G97.51	Postprocedural hemorrhage and hematoma of a nervous system organ or structure following a nervous system procedure
G97.52	Postprocedural hemorrhage and hematoma of a nervous system organ or structure following other procedure
H59.111	Intraoperative hemorrhage and hematoma of right eye and adnexa complicating an ophthalmic procedure
H59.112	Intraoperative hemorrhage and hematoma of left eye and adnexa complicating an ophthalmic procedure
H59.113	Intraoperative hemorrhage and hematoma of eye and adnexa complicating an ophthalmic procedure, bilateral
H59.121	Intraoperative hemorrhage and hematoma of right eye and adnexa complicating other procedure
H59.122	Intraoperative hemorrhage and hematoma of left eye and adnexa complicating other procedure
H59.123	Intraoperative hemorrhage and hematoma of eye and adnexa complicating other procedure, bilateral
H59.129	Intraoperative hemorrhage and hematoma of unspecified eye and adnexa complicating other procedure
H59.211	Accidental puncture and laceration of right eye and adnexa during an ophthalmic procedure
H59.212	Accidental puncture and laceration of left eye and adnexa during an ophthalmic procedure
H59.213	Accidental puncture and laceration of eye and adnexa during an ophthalmic procedure, bilateral
H59.221	Accidental puncture and laceration of right eye and adnexa during other procedure
H59.222	Accidental puncture and laceration of left eye and adnexa during other procedure
H59.223	Accidental puncture and laceration of eye and adnexa during other procedure, bilateral
H59.311	Postprocedural hemorrhage and hematoma of right eye and adnexa following an ophthalmic procedure
H59.312	Postprocedural hemorrhage and hematoma of left eye and adnexa following an ophthalmic procedure
H59.313	Postprocedural hemorrhage and hematoma of eye and adnexa following an ophthalmic procedure, bilateral
H59.321	Postprocedural hemorrhage and hematoma of right eye and adnexa following other procedure
H59.322	Postprocedural hemorrhage and hematoma of left eye and adnexa following other procedure
H59.323	Postprocedural hemorrhage and hematoma of eye and adnexa following other procedure, bilateral
H95.21	Intraoperative hemorrhage and hematoma of ear and mastoid process complicating a procedure on the ear and mastoid process
H95.22	Intraoperative hemorrhage and hematoma of ear and mastoid process complicating other procedure
H95.31	Accidental puncture and laceration of the ear and mastoid process during a procedure on the ear and mastoid process
H95.32	Accidental puncture and laceration of the ear and mastoid process during other procedure

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H95.41	Postprocedural hemorrhage and hematoma of ear and mastoid process following a procedure on the ear and mastoid process
H95.42	Postprocedural hemorrhage and hematoma of ear and mastoid process following other procedure
I01.0	Acute rheumatic pericarditis
I01.1	Acute rheumatic endocarditis
I01.2	Acute rheumatic myocarditis
I02.0	Rheumatic chorea with heart involvement
I05.0	Rheumatic mitral stenosis
I05.1	Rheumatic mitral insufficiency
I05.2	Rheumatic mitral stenosis with insufficiency
I06.0	Rheumatic aortic stenosis
I06.1	Rheumatic aortic insufficiency
I06.2	Rheumatic aortic stenosis with insufficiency
I06.8	Other rheumatic aortic valve diseases
I07.0	Rheumatic tricuspid stenosis
I07.1	Rheumatic tricuspid insufficiency
I07.2	Rheumatic tricuspid stenosis and insufficiency
I07.8	Other rheumatic tricuspid valve diseases
I08.0	Rheumatic disorders of both mitral and aortic valves
I08.1	Rheumatic disorders of both mitral and tricuspid valves
I08.2	Rheumatic disorders of both aortic and tricuspid valves
I08.3	Combined rheumatic disorders of mitral, aortic and tricuspid valves
I08.8	Other rheumatic multiple valve diseases
I08.9	Rheumatic multiple valve disease, unspecified
I09.0	Rheumatic myocarditis
I09.1	Rheumatic diseases of endocardium, valve unspecified
I09.89	Other specified rheumatic heart diseases
I21.01	ST elevation (STEMI) myocardial infarction involving left main coronary artery
I21.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery
I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery
I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
I21.21	ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery
I21.29	ST elevation (STEMI) myocardial infarction involving other sites

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I21.4	Non-ST elevation (NSTEMI) myocardial infarction
I22.0	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall
I22.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall
I22.2	Subsequent non-ST elevation (NSTEMI) myocardial infarction
I22.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites
I23.0	Hemopericardium as current complication following acute myocardial infarction
I23.1	Atrial septal defect as current complication following acute myocardial infarction
I23.2	Ventricular septal defect as current complication following acute myocardial infarction
I23.3	Rupture of cardiac wall without hemopericardium as current complication following acute myocardial infarction
I23.4	Rupture of chordae tendineae as current complication following acute myocardial infarction
I23.5	Rupture of papillary muscle as current complication following acute myocardial infarction
I23.6	Thrombosis of atrium, auricular appendage, and ventricle as current complications following acute myocardial infarction
I23.7	Postinfarction angina
I23.8	Other current complications following acute myocardial infarction
I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris
I25.3	Aneurysm of heart
I25.41	Coronary artery aneurysm
I25.42	Coronary artery dissection
I25.5	Ischemic cardiomyopathy
I25.6	Silent myocardial ischemia
I25.82	Chronic total occlusion of coronary artery
I25.89	Other forms of chronic ischemic heart disease
I26.01	Septic pulmonary embolism with acute cor pulmonale
I26.02	Saddle embolus of pulmonary artery with acute cor pulmonale
I26.09	Other pulmonary embolism with acute cor pulmonale
I26.90	Septic pulmonary embolism without acute cor pulmonale
I26.92	Saddle embolus of pulmonary artery without acute cor pulmonale
I26.99	Other pulmonary embolism without acute cor pulmonale
I27.0	Primary pulmonary hypertension
I27.1	Kyphoscoliotic heart disease
I27.2	Other secondary pulmonary hypertension
I27.82	Chronic pulmonary embolism
I27.89	Other specified pulmonary heart diseases

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I28.0	Arteriovenous fistula of pulmonary vessels
I28.1	Aneurysm of pulmonary artery
I31.3	Pericardial effusion (noninflammatory)
I31.4	Cardiac tamponade
I31.9	Disease of pericardium, unspecified
I33.0	Acute and subacute infective endocarditis
I34.0	Nonrheumatic mitral (valve) insufficiency
I34.1	Nonrheumatic mitral (valve) prolapse
I34.2	Nonrheumatic mitral (valve) stenosis
I34.8	Other nonrheumatic mitral valve disorders
I35.0	Nonrheumatic aortic (valve) stenosis
I35.1	Nonrheumatic aortic (valve) insufficiency
I35.2	Nonrheumatic aortic (valve) stenosis with insufficiency
I35.8	Other nonrheumatic aortic valve disorders
I36.0	Nonrheumatic tricuspid (valve) stenosis
I36.1	Nonrheumatic tricuspid (valve) insufficiency
I36.2	Nonrheumatic tricuspid (valve) stenosis with insufficiency
I36.8	Other nonrheumatic tricuspid valve disorders
I37.0	Nonrheumatic pulmonary valve stenosis
I37.1	Nonrheumatic pulmonary valve insufficiency
I37.2	Nonrheumatic pulmonary valve stenosis with insufficiency
I37.8	Other nonrheumatic pulmonary valve disorders
I38	Endocarditis, valve unspecified
I39	Endocarditis and heart valve disorders in diseases classified elsewhere
I40.0	Infective myocarditis
I40.1	Isolated myocarditis
I41	Myocarditis in diseases classified elsewhere
I42.0	Dilated cardiomyopathy
I42.1	Obstructive hypertrophic cardiomyopathy
I42.2	Other hypertrophic cardiomyopathy
I42.3	Endomyocardial (eosinophilic) disease
I42.4	Endocardial fibroelastosis
I42.5	Other restrictive cardiomyopathy
I42.6	Alcoholic cardiomyopathy

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I42.7	Cardiomyopathy due to drug and external agent
I42.8	Other cardiomyopathies
I43	Cardiomyopathy in diseases classified elsewhere
I47.0	Re-entry ventricular arrhythmia
I47.2	Ventricular tachycardia
I48.0	Paroxysmal atrial fibrillation
I48.1	Persistent atrial fibrillation
I48.2	Chronic atrial fibrillation
I48.3	Typical atrial flutter
I48.4	Atypical atrial flutter
I48.91	Unspecified atrial fibrillation
I49.5	Sick sinus syndrome
I49.8	Other specified cardiac arrhythmias
I50.1	Left ventricular failure
I50.20	Unspecified systolic (congestive) heart failure
I50.21	Acute systolic (congestive) heart failure
I50.22	Chronic systolic (congestive) heart failure
I50.23	Acute on chronic systolic (congestive) heart failure
I50.30	Unspecified diastolic (congestive) heart failure
I50.31	Acute diastolic (congestive) heart failure
I50.32	Chronic diastolic (congestive) heart failure
I50.33	Acute on chronic diastolic (congestive) heart failure
I50.40	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure
I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure
I50.9	Heart failure, unspecified
I51.0	Cardiac septal defect, acquired
I51.1	Rupture of chordae tendineae, not elsewhere classified
I51.2	Rupture of papillary muscle, not elsewhere classified
I51.3	Intracardiac thrombosis, not elsewhere classified
I51.4	Myocarditis, unspecified
I51.5	Myocardial degeneration
I51.7	Cardiomegaly

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I51.81	Takotsubo syndrome
I51.89	Other ill-defined heart diseases
I52	Other heart disorders in diseases classified elsewhere
I63.30	Cerebral infarction due to thrombosis of unspecified cerebral artery
I63.311	Cerebral infarction due to thrombosis of right middle cerebral artery
I63.312	Cerebral infarction due to thrombosis of left middle cerebral artery
I63.321	Cerebral infarction due to thrombosis of right anterior cerebral artery
I63.322	Cerebral infarction due to thrombosis of left anterior cerebral artery
I63.331	Cerebral infarction due to thrombosis of right posterior cerebral artery
I63.332	Cerebral infarction due to thrombosis of left posterior cerebral artery
I63.341	Cerebral infarction due to thrombosis of right cerebellar artery
I63.342	Cerebral infarction due to thrombosis of left cerebellar artery
I63.39	Cerebral infarction due to thrombosis of other cerebral artery
I63.411	Cerebral infarction due to embolism of right middle cerebral artery
I63.412	Cerebral infarction due to embolism of left middle cerebral artery
I63.421	Cerebral infarction due to embolism of right anterior cerebral artery
I63.422	Cerebral infarction due to embolism of left anterior cerebral artery
I63.431	Cerebral infarction due to embolism of right posterior cerebral artery
I63.432	Cerebral infarction due to embolism of left posterior cerebral artery
I63.441	Cerebral infarction due to embolism of right cerebellar artery
I63.442	Cerebral infarction due to embolism of left cerebellar artery
I63.49	Cerebral infarction due to embolism of other cerebral artery
I63.511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery
I63.512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery
I63.521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery
I63.522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery
I63.531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery
I63.532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery
I63.541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery
I63.542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery
I63.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery
I63.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic
I63.8	Other cerebral infarction
I66.01	Occlusion and stenosis of right middle cerebral artery

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I66.02	Occlusion and stenosis of left middle cerebral artery
I66.03	Occlusion and stenosis of bilateral middle cerebral arteries
I66.09	Occlusion and stenosis of unspecified middle cerebral artery
I66.11	Occlusion and stenosis of right anterior cerebral artery
I66.12	Occlusion and stenosis of left anterior cerebral artery
I66.13	Occlusion and stenosis of bilateral anterior cerebral arteries
I66.19	Occlusion and stenosis of unspecified anterior cerebral artery
I66.21	Occlusion and stenosis of right posterior cerebral artery
I66.22	Occlusion and stenosis of left posterior cerebral artery
I66.23	Occlusion and stenosis of bilateral posterior cerebral arteries
I66.3	Occlusion and stenosis of cerebellar arteries
I66.8	Occlusion and stenosis of other cerebral arteries
I67.841	Reversible cerebrovascular vasoconstriction syndrome
I67.848	Other cerebrovascular vasospasm and vasoconstriction
I67.89	Other cerebrovascular disease
I70.0	Atherosclerosis of aorta
I71.01	Dissection of thoracic aorta
I71.02	Dissection of abdominal aorta
I71.03	Dissection of thoracoabdominal aorta
I71.1	Thoracic aortic aneurysm, ruptured
I71.2	Thoracic aortic aneurysm, without rupture
I71.3	Abdominal aortic aneurysm, ruptured
I71.4	Abdominal aortic aneurysm, without rupture
I71.5	Thoracoabdominal aortic aneurysm, ruptured
I71.6	Thoracoabdominal aortic aneurysm, without rupture
I71.8	Aortic aneurysm of unspecified site, ruptured
I74.11	Embolism and thrombosis of thoracic aorta
I87.1	Compression of vein
I95.89	Other hypotension
I97.0	Postcardiotomy syndrome
I97.110	Postprocedural cardiac insufficiency following cardiac surgery
I97.120	Postprocedural cardiac arrest following cardiac surgery
I97.121	Postprocedural cardiac arrest following other surgery
I97.130	Postprocedural heart failure following cardiac surgery

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I97.131	Postprocedural heart failure following other surgery
I97.190	Other postprocedural cardiac functional disturbances following cardiac surgery
I97.191	Other postprocedural cardiac functional disturbances following other surgery
I97.410	Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating a cardiac catheterization
I97.411	Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating a cardiac bypass
I97.418	Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating other circulatory system procedure
I97.42	Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating other procedure
I97.51	Accidental puncture and laceration of a circulatory system organ or structure during a circulatory system procedure
I97.52	Accidental puncture and laceration of a circulatory system organ or structure during other procedure
I97.610	Postprocedural hemorrhage and hematoma of a circulatory system organ or structure following a cardiac catheterization
I97.611	Postprocedural hemorrhage and hematoma of a circulatory system organ or structure following cardiac bypass
I97.618	Postprocedural hemorrhage and hematoma of a circulatory system organ or structure following other circulatory system procedure
I97.62	Postprocedural hemorrhage and hematoma of a circulatory system organ or structure following other procedure
I97.710	Intraoperative cardiac arrest during cardiac surgery
I97.711	Intraoperative cardiac arrest during other surgery
I97.790	Other intraoperative cardiac functional disturbances during cardiac surgery
I97.791	Other intraoperative cardiac functional disturbances during other surgery
I97.89	Other postprocedural complications and disorders of the circulatory system, not elsewhere classified
J95.61	Intraoperative hemorrhage and hematoma of a respiratory system organ or structure complicating a respiratory system procedure
J95.62	Intraoperative hemorrhage and hematoma of a respiratory system organ or structure complicating other procedure
J95.71	Accidental puncture and laceration of a respiratory system organ or structure during a respiratory system procedure
J95.72	Accidental puncture and laceration of a respiratory system organ or structure during other procedure
J95.830	Postprocedural hemorrhage and hematoma of a respiratory system organ or structure following a respiratory system procedure
J95.831	Postprocedural hemorrhage and hematoma of a respiratory system organ or structure following other procedure
K68.11	Postprocedural retroperitoneal abscess
K91.61	Intraoperative hemorrhage and hematoma of a digestive system organ or structure complicating a digestive sytem procedure
K91.62	Intraoperative hemorrhage and hematoma of a digestive system organ or structure complicating other procedure
K91.71	Accidental puncture and laceration of a digestive system organ or structure during a digestive

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	system procedure
K91.72	Accidental puncture and laceration of a digestive system organ or structure during other procedure
K91.840	Postprocedural hemorrhage and hematoma of a digestive system organ or structure following a digestive system procedure
K91.841	Postprocedural hemorrhage and hematoma of a digestive system organ or structure following other procedure
L76.01	Intraoperative hemorrhage and hematoma of skin and subcutaneous tissue complicating a dermatologic procedure
L76.02	Intraoperative hemorrhage and hematoma of skin and subcutaneous tissue complicating other procedure
L76.11	Accidental puncture and laceration of skin and subcutaneous tissue during a dermatologic procedure
L76.12	Accidental puncture and laceration of skin and subcutaneous tissue during other procedure
L76.21	Postprocedural hemorrhage and hematoma of skin and subcutaneous tissue following a dermatologic procedure
L76.22	Postprocedural hemorrhage and hematoma of skin and subcutaneous tissue following other procedure
M32.11	Endocarditis in systemic lupus erythematosus
M96.810	Intraoperative hemorrhage and hematoma of a musculoskeletal structure complicating a musculoskeletal system procedure
M96.811	Intraoperative hemorrhage and hematoma of a musculoskeletal structure complicating other procedure
M96.820	Accidental puncture and laceration of a musculoskeletal structure during a musculoskeletal system procedure
M96.821	Accidental puncture and laceration of a musculoskeletal structure during other procedure
M96.830	Postprocedural hemorrhage and hematoma of a musculoskeletal structure following a musculoskeletal system procedure
M96.831	Postprocedural hemorrhage and hematoma of a musculoskeletal structure following other procedure
N99.61	Intraoperative hemorrhage and hematoma of a genitourinary system organ or structure complicating a genitourinary system procedure
N99.62	Intraoperative hemorrhage and hematoma of a genitourinary system organ or structure complicating other procedure
N99.71	Accidental puncture and laceration of a genitourinary system organ or structure during a genitourinary system procedure
N99.72	Accidental puncture and laceration of a genitourinary system organ or structure during other procedure
N99.820	Postprocedural hemorrhage and hematoma of a genitourinary system organ or structure following a genitourinary system procedure
N99.821	Postprocedural hemorrhage and hematoma of a genitourinary system organ or structure following other procedure
Q20.0	Common arterial trunk
Q20.1	Double outlet right ventricle
Q20.2	Double outlet left ventricle
Q20.3	Discordant ventriculoarterial connection
Q20.4	Double inlet ventricle

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Q20.5	Discordant atrioventricular connection
Q20.8	Other congenital malformations of cardiac chambers and connections
Q21.0	Ventricular septal defect
Q21.1	Atrial septal defect
Q21.2	Atrioventricular septal defect
Q21.3	Tetralogy of Fallot
Q22.0	Pulmonary valve atresia
Q22.1	Congenital pulmonary valve stenosis
Q22.2	Congenital pulmonary valve insufficiency
Q22.3	Other congenital malformations of pulmonary valve
Q22.4	Congenital tricuspid stenosis
Q22.5	Ebstein's anomaly
Q22.6	Hypoplastic right heart syndrome
Q22.8	Other congenital malformations of tricuspid valve
Q23.0	Congenital stenosis of aortic valve
Q23.1	Congenital insufficiency of aortic valve
Q23.2	Congenital mitral stenosis
Q23.3	Congenital mitral insufficiency
Q23.4	Hypoplastic left heart syndrome
Q24.2	Cor triatriatum
Q24.3	Pulmonary infundibular stenosis
Q24.4	Congenital subaortic stenosis
Q24.5	Malformation of coronary vessels
Q24.8	Other specified congenital malformations of heart
Q25.0	Patent ductus arteriosus
Q25.1	Coarctation of aorta
Q25.2	Atresia of aorta
Q25.3	Supravalvular aortic stenosis
Q25.4	Other congenital malformations of aorta
Q25.5	Atresia of pulmonary artery
Q25.6	Stenosis of pulmonary artery
Q25.71	Coarctation of pulmonary artery
Q25.72	Congenital pulmonary arteriovenous malformation
Q25.79	Other congenital malformations of pulmonary artery

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Q25.8	Other congenital malformations of other great arteries
Q26.2	Total anomalous pulmonary venous connection
Q26.3	Partial anomalous pulmonary venous connection
Q26.9	Congenital malformation of great vein, unspecified
R00.1	Bradycardia, unspecified
R50.2	Drug induced fever
R50.81	Fever presenting with conditions classified elsewhere
R50.82	Postprocedural fever
R50.83	Postvaccination fever
R50.9	Fever, unspecified
R57.0	Cardiogenic shock
R57.1	Hypovolemic shock
R57.8	Other shock
R65.10	Systemic inflammatory response syndrome (SIRS) of non-infectious origin without acute organ dysfunction
R65.11	Systemic inflammatory response syndrome (SIRS) of non-infectious origin with acute organ dysfunction
R65.20	Severe sepsis without septic shock
R65.21	Severe sepsis with septic shock
R68.0	Hypothermia, not associated with low environmental temperature
R68.83	Chills (without fever)
T86.842	Corneal transplant infection
Z48.21	Encounter for aftercare following heart transplant
Z48.24	Encounter for aftercare following lung transplant
Z48.280	Encounter for aftercare following heart-lung transplant
Z52.89	Donor of other specified organs or tissues
Z94.1	Heart transplant status
Z94.2	Lung transplant status
Z94.3	Heart and lungs transplant status
Z95.2	Presence of prosthetic heart valve
Z95.3	Presence of xenogenic heart valve
Z95.4	Presence of other heart-valve replacement
Z95.811	Presence of heart assist device
Z98.89	Other specified postprocedural states

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Group 2 Paragraph: For use with **Q9955, Q9956, Q9957, A9700** (Supply of injectable contrast material for use in echocardiography as described in CPT code section).

Group 2 Codes:

Code	Description
R68.89	Other general symptoms and signs
R94.39	Abnormal result of other cardiovascular function study

Group 3 Paragraph: The following ICD-10 codes must be billed with the appropriate 7th digit code, A (initial encounter), D (subsequent encounter) or S (Sequela).

Group 3 Codes:

Code	Description
S25.01XA	Minor laceration of thoracic aorta, initial encounter
S25.02XA	Major laceration of thoracic aorta, initial encounter
S25.09XA	Other specified injury of thoracic aorta, initial encounter
S25.101A	Unspecified injury of right innominate or subclavian artery, initial encounter
S25.102A	Unspecified injury of left innominate or subclavian artery, initial encounter
S25.111A	Minor laceration of right innominate or subclavian artery, initial encounter
S25.112A	Minor laceration of left innominate or subclavian artery, initial encounter
S25.121A	Major laceration of right innominate or subclavian artery, initial encounter
S25.122A	Major laceration of left innominate or subclavian artery, initial encounter
S25.191A	Other specified injury of right innominate or subclavian artery, initial encounter
S25.192A	Other specified injury of left innominate or subclavian artery, initial encounter
S25.21XA	Minor laceration of superior vena cava, initial encounter
S25.22XA	Major laceration of superior vena cava, initial encounter
S25.301A	Unspecified injury of right innominate or subclavian vein, initial encounter
S25.302A	Unspecified injury of left innominate or subclavian vein, initial encounter
S25.311A	Minor laceration of right innominate or subclavian vein, initial encounter
S25.312A	Minor laceration of left innominate or subclavian vein, initial encounter
S25.321A	Major laceration of right innominate or subclavian vein, initial encounter
S25.322A	Major laceration of left innominate or subclavian vein, initial encounter
S25.391A	Other specified injury of right innominate or subclavian vein, initial encounter
S25.392A	Other specified injury of left innominate or subclavian vein, initial encounter
S25.401A	Unspecified injury of right pulmonary blood vessels, initial encounter
S25.402A	Unspecified injury of left pulmonary blood vessels, initial encounter
S25.411A	Minor laceration of right pulmonary blood vessels, initial encounter
S25.412A	Minor laceration of left pulmonary blood vessels, initial encounter

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S25.421A	Major laceration of right pulmonary blood vessels, initial encounter
S25.422A	Major laceration of left pulmonary blood vessels, initial encounter
S25.491A	Other specified injury of right pulmonary blood vessels, initial encounter
S25.492A	Other specified injury of left pulmonary blood vessels, initial encounter
S25.501A	Unspecified injury of intercostal blood vessels, right side, initial encounter
S25.502A	Unspecified injury of intercostal blood vessels, left side, initial encounter
S25.511A	Laceration of intercostal blood vessels, right side, initial encounter
S25.512A	Laceration of intercostal blood vessels, left side, initial encounter
S25.591A	Other specified injury of intercostal blood vessels, right side, initial encounter
S25.592A	Other specified injury of intercostal blood vessels, left side, initial encounter
S25.801A	Unspecified injury of other blood vessels of thorax, right side, initial encounter
S25.802A	Unspecified injury of other blood vessels of thorax, left side, initial encounter
S25.811A	Laceration of other blood vessels of thorax, right side, initial encounter
S25.812A	Laceration of other blood vessels of thorax, left side, initial encounter
S25.891A	Other specified injury of other blood vessels of thorax, right side, initial encounter
S25.892A	Other specified injury of other blood vessels of thorax, left side, initial encounter
S25.91XA	Laceration of unspecified blood vessel of thorax, initial encounter
S25.99XA	Other specified injury of unspecified blood vessel of thorax, initial encounter
T79.4XXA	Traumatic shock, initial encounter
T80.0XXA	Air embolism following infusion, transfusion and therapeutic injection, initial encounter
T81.10XA	Postprocedural shock unspecified, initial encounter
T81.12XA	Postprocedural septic shock, initial encounter
T81.19XA	Other postprocedural shock, initial encounter
T81.31XA	Disruption of external operation (surgical) wound, not elsewhere classified, initial encounter
T81.32XA	Disruption of internal operation (surgical) wound, not elsewhere classified, initial encounter
T81.33XA	Disruption of traumatic injury wound repair, initial encounter
T81.4XXA	Infection following a procedure, initial encounter
T81.500A	Unspecified complication of foreign body accidentally left in body following surgical operation, initial encounter
T81.501A	Unspecified complication of foreign body accidentally left in body following infusion or transfusion, initial encounter
T81.502A	Unspecified complication of foreign body accidentally left in body following kidney dialysis, initial encounter
T81.503A	Unspecified complication of foreign body accidentally left in body following injection or immunization, initial encounter
T81.504A	Unspecified complication of foreign body accidentally left in body following endoscopic examination, initial encounter

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T81.505A	Unspecified complication of foreign body accidentally left in body following heart catheterization, initial encounter
T81.506A	Unspecified complication of foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81.507A	Unspecified complication of foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81.508A	Unspecified complication of foreign body accidentally left in body following other procedure, initial encounter
T81.510A	Adhesions due to foreign body accidentally left in body following surgical operation, initial encounter
T81.511A	Adhesions due to foreign body accidentally left in body following infusion or transfusion, initial encounter
T81.512A	Adhesions due to foreign body accidentally left in body following kidney dialysis, initial encounter
T81.513A	Adhesions due to foreign body accidentally left in body following injection or immunization, initial encounter
T81.514A	Adhesions due to foreign body accidentally left in body following endoscopic examination, initial encounter
T81.515A	Adhesions due to foreign body accidentally left in body following heart catheterization, initial encounter
T81.516A	Adhesions due to foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81.517A	Adhesions due to foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81.518A	Adhesions due to foreign body accidentally left in body following other procedure, initial encounter
T81.520A	Obstruction due to foreign body accidentally left in body following surgical operation, initial encounter
T81.521A	Obstruction due to foreign body accidentally left in body following infusion or transfusion, initial encounter
T81.522A	Obstruction due to foreign body accidentally left in body following kidney dialysis, initial encounter
T81.523A	Obstruction due to foreign body accidentally left in body following injection or immunization, initial encounter
T81.524A	Obstruction due to foreign body accidentally left in body following endoscopic examination, initial encounter
T81.525A	Obstruction due to foreign body accidentally left in body following heart catheterization, initial encounter
T81.526A	Obstruction due to foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81.527A	Obstruction due to foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81.528A	Obstruction due to foreign body accidentally left in body following other procedure, initial encounter
T81.530A	Perforation due to foreign body accidentally left in body following surgical operation, initial encounter
T81.531A	Perforation due to foreign body accidentally left in body following infusion or transfusion, initial encounter
T81.532A	Perforation due to foreign body accidentally left in body following kidney dialysis, initial encounter
T81.533A	Perforation due to foreign body accidentally left in body following injection or immunization,

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	initial encounter
T81.534A	Perforation due to foreign body accidentally left in body following endoscopic examination, initial encounter
T81.535A	Perforation due to foreign body accidentally left in body following heart catheterization, initial encounter
T81.536A	Perforation due to foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81.537A	Perforation due to foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81.538A	Perforation due to foreign body accidentally left in body following other procedure, initial encounter
T81.590A	Other complications of foreign body accidentally left in body following surgical operation, initial encounter
T81.591A	Other complications of foreign body accidentally left in body following infusion or transfusion, initial encounter
T81.592A	Other complications of foreign body accidentally left in body following kidney dialysis, initial encounter
T81.593A	Other complications of foreign body accidentally left in body following injection or immunization, initial encounter
T81.594A	Other complications of foreign body accidentally left in body following endoscopic examination, initial encounter
T81.595A	Other complications of foreign body accidentally left in body following heart catheterization, initial encounter
T81.596A	Other complications of foreign body accidentally left in body following aspiration, puncture or other catheterization, initial encounter
T81.597A	Other complications of foreign body accidentally left in body following removal of catheter or packing, initial encounter
T81.598A	Other complications of foreign body accidentally left in body following other procedure, initial encounter
T82.01XA	Breakdown (mechanical) of heart valve prosthesis, initial encounter
T82.02XA	Displacement of heart valve prosthesis, initial encounter
T82.03XA	Leakage of heart valve prosthesis, initial encounter
T82.09XA	Other mechanical complication of heart valve prosthesis, initial encounter
T82.110A	Breakdown (mechanical) of cardiac electrode, initial encounter
T82.111A	Breakdown (mechanical) of cardiac pulse generator (battery), initial encounter
T82.118A	Breakdown (mechanical) of other cardiac electronic device, initial encounter
T82.119A	Breakdown (mechanical) of unspecified cardiac electronic device, initial encounter
T82.120A	Displacement of cardiac electrode, initial encounter
T82.121A	Displacement of cardiac pulse generator (battery), initial encounter
T82.128A	Displacement of other cardiac electronic device, initial encounter
T82.190A	Other mechanical complication of cardiac electrode, initial encounter
T82.191A	Other mechanical complication of cardiac pulse generator (battery), initial encounter
T82.198A	Other mechanical complication of other cardiac electronic device, initial encounter

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T82.519A	Breakdown (mechanical) of unspecified cardiac and vascular devices and implants, initial encounter
T82.529A	Displacement of unspecified cardiac and vascular devices and implants, initial encounter
T82.539A	Leakage of unspecified cardiac and vascular devices and implants, initial encounter
T82.599A	Other mechanical complication of unspecified cardiac and vascular devices and implants, initial encounter
T82.6XXA	Infection and inflammatory reaction due to cardiac valve prosthesis, initial encounter
T82.7XXA	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, initial encounter
T82.817A	Embolism of cardiac prosthetic devices, implants and grafts, initial encounter
T82.827A	Fibrosis of cardiac prosthetic devices, implants and grafts, initial encounter
T82.837A	Hemorrhage of cardiac prosthetic devices, implants and grafts, initial encounter
T82.847A	Pain from cardiac prosthetic devices, implants and grafts, initial encounter
T82.857A	Stenosis of cardiac prosthetic devices, implants and grafts, initial encounter
T82.867A	Thrombosis of cardiac prosthetic devices, implants and grafts, initial encounter
T82.897A	Other specified complication of cardiac prosthetic devices, implants and grafts, initial encounter
T83.51XA	Infection and inflammatory reaction due to indwelling urinary catheter, initial encounter
T83.59XA	Infection and inflammatory reaction due to prosthetic device, implant and graft in urinary system, initial encounter
T83.6XXA	Infection and inflammatory reaction due to prosthetic device, implant and graft in genital tract, initial encounter
T84.50XA	Infection and inflammatory reaction due to unspecified internal joint prosthesis, initial encounter
T84.51XA	Infection and inflammatory reaction due to internal right hip prosthesis, initial encounter
T84.52XA	Infection and inflammatory reaction due to internal left hip prosthesis, initial encounter
T84.53XA	Infection and inflammatory reaction due to internal right knee prosthesis, initial encounter
T84.54XA	Infection and inflammatory reaction due to internal left knee prosthesis, initial encounter
T84.59XA	Infection and inflammatory reaction due to other internal joint prosthesis, initial encounter
T84.60XA	Infection and inflammatory reaction due to internal fixation device of unspecified site, initial encounter
T84.610A	Infection and inflammatory reaction due to internal fixation device of right humerus, initial encounter
T84.611A	Infection and inflammatory reaction due to internal fixation device of left humerus, initial encounter
T84.612A	Infection and inflammatory reaction due to internal fixation device of right radius, initial encounter
T84.613A	Infection and inflammatory reaction due to internal fixation device of left radius, initial encounter
T84.614A	Infection and inflammatory reaction due to internal fixation device of right ulna, initial encounter
T84.615A	Infection and inflammatory reaction due to internal fixation device of left ulna, initial encounter
T84.619A	Infection and inflammatory reaction due to internal fixation device of unspecified bone of arm, initial encounter
T84.620A	Infection and inflammatory reaction due to internal fixation device of right femur, initial

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	encounter
T84.621A	Infection and inflammatory reaction due to internal fixation device of left femur, initial encounter
T84.622A	Infection and inflammatory reaction due to internal fixation device of right tibia, initial encounter
T84.623A	Infection and inflammatory reaction due to internal fixation device of left tibia, initial encounter
T84.624A	Infection and inflammatory reaction due to internal fixation device of right fibula, initial encounter
T84.625A	Infection and inflammatory reaction due to internal fixation device of left fibula, initial encounter
T84.629A	Infection and inflammatory reaction due to internal fixation device of unspecified bone of leg, initial encounter
T84.63XA	Infection and inflammatory reaction due to internal fixation device of spine, initial encounter
T84.69XA	Infection and inflammatory reaction due to internal fixation device of other site, initial encounter
T84.7XXA	Infection and inflammatory reaction due to other internal orthopedic prosthetic devices, implants and grafts, initial encounter
T85.71XA	Infection and inflammatory reaction due to peritoneal dialysis catheter, initial encounter
T85.72XA	Infection and inflammatory reaction due to insulin pump, initial encounter
T85.79XA	Infection and inflammatory reaction due to other internal prosthetic devices, implants and grafts, initial encounter
T88.8XXA	Other specified complications of surgical and medical care, not elsewhere classified, initial encounter