

LCD Reference Article	Billing and Coding Article
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Article - Billing and Coding: Transthoracic Echocardiography (TTE) (A56781)

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Contractor Information

CONTRACTOR NAME	CONTRACT TYPE	CONTRACT NUMBER	JURISDICTION	STATES
National Government Services, Inc.	MAC - Part A	06101 - MAC A	J - 06	Illinois
National Government Services, Inc.	MAC - Part B	06102 - MAC B	J - 06	Illinois
National Government Services, Inc.	MAC - Part A	06201 - MAC A	J - 06	Minnesota
National Government Services, Inc.	MAC - Part B	06202 - MAC B	J - 06	Minnesota
National Government Services, Inc.	MAC - Part A	06301 - MAC A	J - 06	Wisconsin
National Government Services, Inc.	MAC - Part B	06302 - MAC B	J - 06	Wisconsin
National Government Services, Inc.	A and B and HHH MAC	13101 - MAC A	J - K	Connecticut
National Government Services, Inc.	A and B and HHH MAC	13102 - MAC B	J - K	Connecticut
National Government Services, Inc.	A and B and HHH MAC	13201 - MAC A	J - K	New York - Entire State
National Government Services, Inc.	A and B and HHH MAC	13202 - MAC B	J - K	New York - Downstate
National Government Services, Inc.	A and B and HHH MAC	13282 - MAC B	J - K	New York - Upstate
National Government Services, Inc.	A and B and HHH MAC	13292 - MAC B	J - K	New York - Queens
National Government Services, Inc.	A and B and HHH MAC	14111 - MAC A	J - K	Maine
National Government Services, Inc.	A and B and HHH MAC	14112 - MAC B	J - K	Maine
National Government Services, Inc.	A and B and HHH MAC	14211 - MAC A	J - K	Massachusetts

CONTRACTOR NAME	CONTRACT TYPE	CONTRACT NUMBER	JURISDICTION	STATES
National Government Services, Inc.	A and B and HHH MAC	14212 - MAC B	J - K	Massachusetts
National Government Services, Inc.	A and B and HHH MAC	14311 - MAC A	J - K	New Hampshire
National Government Services, Inc.	A and B and HHH MAC	14312 - MAC B	J - K	New Hampshire
National Government Services, Inc.	A and B and HHH MAC	14411 - MAC A	J - K	Rhode Island
National Government Services, Inc.	A and B and HHH MAC	14412 - MAC B	J - K	Rhode Island
National Government Services, Inc.	A and B and HHH MAC	14511 - MAC A	J - K	Vermont
National Government Services, Inc.	A and B and HHH MAC	14512 - MAC B	J - K	Vermont

Article Information

General Information

Article ID

A56781

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Article Title

Billing and Coding: Transthoracic Echocardiography (TTE)

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Article Type

Billing and Coding

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CMS National Coverage Policy

N/A

Article Guidance

Article Text

This article contains coding and other guidelines that complement the Local Coverage Determination (LCD) for Transthoracic Echocardiography (TTE).

Coding Information:

Procedure codes may be subject to National Correct Coding Initiative (NCCI) edits or OPPS packaging edits. Refer to NCCI and OPPS requirements prior to billing Medicare.

For services requiring a referring/ordering physician, the name and NPI of the referring/ordering physician must be reported on the claim.

A claim submitted without a valid ICD-10-CM diagnosis code will be returned to the provider as an incomplete claim under Section 1833(e) of the Social Security Act.

The diagnosis code(s) must best describe the patient's condition for which the service was performed. For diagnostic tests, report the result of the test if known; otherwise the symptoms prompting the performance of the test should be reported.

Documentation Requirements:

The patient's medical record must contain documentation that fully supports the medical necessity for services included within the LCD. (See "Indications and Limitations of Coverage.") This documentation includes, but is not limited to, relevant medical history, physical examination, and results of pertinent diagnostic tests or procedures, as well as reasons for repeat testing.

Each service requires a formal written report with interpretation. This report should be kept on file with copies of image documentation (paper or tape) for review if requested. All appropriate measurements should be included in the report.

At a minimum, a complete study should contain M mode and/or 2D measurements of LV end diastolic diameter, LV end systolic diameter, LV wall thickness, left atrial diameter, aortic valve excursion and a qualitative description of the LV function, whenever possible given any technical limitations in a particular case. Individual echocardiographic laboratories (providers) may choose valid substitutes for these parameters such as LV volumes, ejection fraction and mass measurements.

A Doppler interrogation should state the modes used and should give both qualitative and quantitative information.

Claims for contrast echocardiography services must be supported by documentation that conventional studies were inconclusive and there was a need for the contrast enhancement.

The medical record should clearly document the reasons for performing multiple tests, as well as prior data which has been reviewed. If specific prior test results were requested and not received, necessitating repeat or additional testing, then this should also be noted in the records.

In the case of disease processes that could preclude the performance of exercise stress testing, the medical documentation should clearly describe why the patient cannot perform exercise stress testing. The documentation must include (but is not limited to) history and physical exam findings demonstrating that the patient could not reasonably be expected to perform exercise stress testing.

Documentation of the qualifications of personnel performing tests, as described in the Indications section of the LCD, should be available on request.

In those instances in which repeat tests were denied, the physician must document a good faith effort was made to identify them and to request copies of them from previous providers, in order for NGS to consider reimbursement for such tests on appeal.

Documentation must be available to Medicare upon request.

Utilization Guidelines:

Repeat echocardiographic studies should be guided by the clinical status of the patient. The frequency of services is guided by the circumstances outlined in the Indications and Limitations section of the attached LCD. Repeat studies are appropriate to monitor changes in cardiac structure or function when there are changes in the clinical status of the patient, or when disease progression is otherwise suspected.

Services performed in the Emergency Room and other emergency services are excluded from any frequency limitations on coverage for repeat testing. While Emergency Room services would be identified on the claim by the place of service code (23), emergency services provided at other sites would require post-pay review of the documentation provided in the medical record.

In those instances in which repeat tests were denied and a physician has documented a good faith effort to identify them and to request copies of them from previous providers, then NGS could reimburse such tests on appeal.

Coding Information

CPT/HCPCS Codes
Group 1 Paragraph:

N/A

Group 1 Codes: (25 Codes)

CODE	DESCRIPTION
76376	3D RENDERING WITH INTERPRETATION AND REPORTING OF COMPUTED TOMOGRAPHY, MAGNETIC RESONANCE IMAGING, ULTRASOUND, OR OTHER TOMOGRAPHIC MODALITY WITH IMAGE POSTPROCESSING UNDER CONCURRENT SUPERVISION; NOT REQUIRING IMAGE POSTPROCESSING ON AN INDEPENDENT WORKSTATION
76377	3D RENDERING WITH INTERPRETATION AND REPORTING OF COMPUTED TOMOGRAPHY, MAGNETIC RESONANCE IMAGING, ULTRASOUND, OR OTHER TOMOGRAPHIC MODALITY WITH IMAGE POSTPROCESSING UNDER CONCURRENT SUPERVISION; REQUIRING IMAGE POSTPROCESSING ON AN INDEPENDENT WORKSTATION
93303	TRANSTHORACIC ECHOCARDIOGRAPHY FOR CONGENITAL CARDIAC ANOMALIES; COMPLETE
93304	TRANSTHORACIC ECHOCARDIOGRAPHY FOR CONGENITAL CARDIAC ANOMALIES; FOLLOW-UP OR LIMITED STUDY
93306	ECHOCARDIOGRAPHY, TRANSTHORACIC, REAL-TIME WITH IMAGE DOCUMENTATION (2D), INCLUDES M-MODE RECORDING, WHEN PERFORMED, COMPLETE, WITH SPECTRAL DOPPLER ECHOCARDIOGRAPHY, AND WITH COLOR FLOW DOPPLER ECHOCARDIOGRAPHY
93307	ECHOCARDIOGRAPHY, TRANSTHORACIC, REAL-TIME WITH IMAGE DOCUMENTATION (2D), INCLUDES M-MODE RECORDING, WHEN PERFORMED, COMPLETE, WITHOUT SPECTRAL OR COLOR DOPPLER ECHOCARDIOGRAPHY
93308	ECHOCARDIOGRAPHY, TRANSTHORACIC, REAL-TIME WITH IMAGE DOCUMENTATION (2D), INCLUDES M-MODE RECORDING, WHEN PERFORMED, FOLLOW-UP OR LIMITED STUDY
93319	3D ECHOCARDIOGRAPHIC IMAGING AND POSTPROCESSING DURING TRANSESOPHAGEAL ECHOCARDIOGRAPHY, OR DURING TRANSTHORACIC ECHOCARDIOGRAPHY FOR CONGENITAL CARDIAC ANOMALIES, FOR THE ASSESSMENT OF CARDIAC STRUCTURE(S) (EG, CARDIAC CHAMBERS AND VALVES, LEFT ATRIAL APPENDAGE, INTERATRIAL SEPTUM, INTERVENTRICULAR SEPTUM) AND FUNCTION, WHEN PERFORMED (LIST SEPARATELY IN ADDITION TO CODE FOR ECHOCARDIOGRAPHIC IMAGING)
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)

CODE	DESCRIPTION
93325	DOPPLER ECHOCARDIOGRAPHY COLOR FLOW VELOCITY MAPPING (LIST SEPARATELY IN ADDITION TO CODES FOR ECHOCARDIOGRAPHY)
93350	ECHOCARDIOGRAPHY, TRANSTHORACIC, REAL-TIME WITH IMAGE DOCUMENTATION (2D), INCLUDES M-MODE RECORDING, WHEN PERFORMED, DURING REST AND CARDIOVASCULAR STRESS TEST USING TREADMILL, BICYCLE EXERCISE AND/OR PHARMACOLOGICALLY INDUCED STRESS, WITH INTERPRETATION AND REPORT;
93351	ECHOCARDIOGRAPHY, TRANSTHORACIC, REAL-TIME WITH IMAGE DOCUMENTATION (2D), INCLUDES M-MODE RECORDING, WHEN PERFORMED, DURING REST AND CARDIOVASCULAR STRESS TEST USING TREADMILL, BICYCLE EXERCISE AND/OR PHARMACOLOGICALLY INDUCED STRESS, WITH INTERPRETATION AND REPORT; INCLUDING PERFORMANCE OF CONTINUOUS ELECTROCARDIOGRAPHIC MONITORING, WITH SUPERVISION BY A PHYSICIAN OR OTHER QUALIFIED HEALTH CARE PROFESSIONAL
93352	USE OF ECHOCARDIOGRAPHIC CONTRAST AGENT DURING STRESS ECHOCARDIOGRAPHY (LIST SEPARATELY IN ADDITION TO CODE FOR PRIMARY PROCEDURE)
A9700	SUPPLY OF INJECTABLE CONTRAST MATERIAL FOR USE IN ECHOCARDIOGRAPHY, PER STUDY
C8921	TRANSTHORACIC ECHOCARDIOGRAPHY WITH CONTRAST, OR WITHOUT CONTRAST FOLLOWED BY WITH CONTRAST, FOR CONGENITAL CARDIAC ANOMALIES; COMPLETE
C8922	TRANSTHORACIC ECHOCARDIOGRAPHY WITH CONTRAST, OR WITHOUT CONTRAST FOLLOWED BY WITH CONTRAST, FOR CONGENITAL CARDIAC ANOMALIES; FOLLOW-UP OR LIMITED STUDY
C8923	TRANSTHORACIC ECHOCARDIOGRAPHY WITH CONTRAST, OR WITHOUT CONTRAST FOLLOWED BY WITH CONTRAST, REAL-TIME WITH IMAGE DOCUMENTATION (2D), INCLUDES M-MODE RECORDING, WHEN PERFORMED, COMPLETE, WITHOUT SPECTRAL OR COLOR DOPPLER ECHOCARDIOGRAPHY
C8924	TRANSTHORACIC ECHOCARDIOGRAPHY WITH CONTRAST, OR WITHOUT CONTRAST FOLLOWED BY WITH CONTRAST, REAL-TIME WITH IMAGE DOCUMENTATION (2D), INCLUDES M-MODE RECORDING, WHEN PERFORMED, FOLLOW-UP OR LIMITED STUDY
C8928	TRANSTHORACIC ECHOCARDIOGRAPHY WITH CONTRAST, OR WITHOUT CONTRAST FOLLOWED BY WITH CONTRAST, REAL-TIME WITH IMAGE DOCUMENTATION (2D), INCLUDES M-MODE RECORDING, WHEN PERFORMED, DURING REST AND CARDIOVASCULAR STRESS TEST USING TREADMILL, BICYCLE EXERCISE AND/OR PHARMACOLOGICALLY INDUCED STRESS, WITH INTERPRETATION AND REPORT
C8929	TRANSTHORACIC ECHOCARDIOGRAPHY WITH CONTRAST, OR WITHOUT CONTRAST FOLLOWED BY WITH CONTRAST, REAL-TIME WITH IMAGE DOCUMENTATION (2D),

CODE	DESCRIPTION
	INCLUDES M-MODE RECORDING, WHEN PERFORMED, COMPLETE, WITH SPECTRAL DOPPLER ECHOCARDIOGRAPHY, AND WITH COLOR FLOW DOPPLER ECHOCARDIOGRAPHY
C8930	TRANSTHORACIC ECHOCARDIOGRAPHY, WITH CONTRAST, OR WITHOUT CONTRAST FOLLOWED BY WITH CONTRAST, REAL-TIME WITH IMAGE DOCUMENTATION (2D), INCLUDES M-MODE RECORDING, WHEN PERFORMED, DURING REST AND CARDIOVASCULAR STRESS TEST USING TREADMILL, BICYCLE EXERCISE AND/OR PHARMACOLOGICALLY INDUCED STRESS, WITH INTERPRETATION AND REPORT; INCLUDING PERFORMANCE OF CONTINUOUS ELECTROCARDIOGRAPHIC MONITORING, WITH PHYSICIAN SUPERVISION
Q9955	INJECTION, PERFLEXANE LIPID MICROSPHERES, PER ML
Q9956	INJECTION, OCTAFLUOROPROPANE MICROSPHERES, PER ML
Q9957	INJECTION, PERFLUTREN LIPID MICROSPHERES, PER ML

Group 2 Paragraph:

These stress agents can be billed with stress test codes 93350, 93351, 93352, C8928, and C8930.

Group 2 Codes: (6 Codes)

CODE	DESCRIPTION
J0153	INJECTION, ADENOSINE, 1 MG (NOT TO BE USED TO REPORT ANY ADENOSINE PHOSPHATE COMPOUNDS)
J0280	INJECTION, AMINOPHYLLIN, UP TO 250 MG
J0461	INJECTION, ATROPINE SULFATE, 0.01 MG
J1245	INJECTION, DIPYRIDAMOLE, PER 10 MG
J1250	INJECTION, DOBUTAMINE HYDROCHLORIDE, PER 250 MG
J2785	INJECTION, REGADENOSON, 0.1 MG

CPT/HCPCS Modifiers

N/A

ICD-10-CM Codes that Support Medical Necessity

Group 1 Paragraph:

The 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 the attached determination.

Applicable to codes 93306, 93307, 93308, C8923, C8924, C8929 (coverage criteria and diagnosis restrictions apply to both the base codes [listed above] and related add-on codes):

When reporting ICD-10 codes for pre-operative services, a secondary diagnosis for mitral valve prolapse is also required.

Report ICD-10 code Z01.818 when the test is performed as a baseline study before chemotherapy.

Report ICD-10-CM code Z51.81 for subsequent monitoring while the patient is receiving chemotherapy.

Report ICD-10-CM code Z08 for testing when chemotherapy is completed.

Group 1 Codes: (1,364 Codes)

CODE	DESCRIPTION
A18.84	Tuberculosis of heart
A36.81	Diphtheritic cardiomyopathy
A39.53	Meningococcal pericarditis
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
A40.9	Streptococcal sepsis, unspecified
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
A41.2	Sepsis due to unspecified 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
A41.54	Sepsis due to Acinetobacter baumannii
A41.59	Other Gram-negative sepsis
A41.81	Sepsis due to Enterococcus
A41.89	Other specified sepsis

CODE	DESCRIPTION
A41.9	Sepsis, unspecified organism
A42.7	Actinomycotic sepsis
A52.01	Syphilitic aneurysm of aorta
A52.02	Syphilitic aortitis
A52.03	Syphilitic endocarditis
A52.06	Other syphilitic heart involvement
A54.83	Gonococcal heart infection
A69.20	Lyme disease, unspecified
A69.21	Meningitis due to Lyme disease
A69.22	Other neurologic disorders in Lyme disease
A69.23	Arthritis due to Lyme disease
A69.29	Other conditions associated with Lyme disease
B33.20	Viral carditis, unspecified
B33.21	Viral endocarditis
B33.22	Viral myocarditis
B33.23	Viral pericarditis
B37.6	Candidal endocarditis
B57.0	Acute Chagas' disease with heart involvement
B57.2	Chagas' disease (chronic) with heart involvement
B58.81	Toxoplasma myocarditis
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
D86.0	Sarcoidosis of lung
D86.1	Sarcoidosis of lymph nodes
D86.2	Sarcoidosis of lung with sarcoidosis of lymph nodes
D86.3	Sarcoidosis of skin
D86.81	Sarcoid meningitis

CODE	DESCRIPTION
D86.82	Multiple cranial nerve palsies in sarcoidosis
D86.83	Sarcoid iridocyclitis
D86.84	Sarcoid pyelonephritis
D86.85	Sarcoid myocarditis
D86.86	Sarcoid arthropathy
D86.87	Sarcoid myositis
D86.89	Sarcoidosis of other sites
D86.9	Sarcoidosis, unspecified
E03.5	Myxedema coma
E83.10	Disorder of iron metabolism, unspecified
E83.110	Hereditary hemochromatosis
E83.111	Hemochromatosis due to repeated red blood cell transfusions
E83.118	Other hemochromatosis
E83.119	Hemochromatosis, unspecified
E83.19	Other disorders of iron metabolism
E85.0	Non-neuropathic heredofamilial amyloidosis
E85.1	Neuropathic heredofamilial amyloidosis
E85.2	Heredofamilial amyloidosis, unspecified
E85.3	Secondary systemic amyloidosis
E85.4	Organ-limited amyloidosis
E85.81	Light chain (AL) amyloidosis
E85.82	Wild-type transthyretin-related (ATTR) amyloidosis
E85.89	Other amyloidosis
E85.9	Amyloidosis, unspecified
G06.0	Intracranial abscess and granuloma
G06.1	Intraspinal abscess and granuloma
G45.0	Vertebro-basilar artery syndrome
G45.1	Carotid artery syndrome (hemispheric)
G45.2	Multiple and bilateral precerebral artery syndromes
G45.3	Amaurosis fugax
G45.8	Other transient cerebral ischemic attacks and related syndromes
G45.9	Transient cerebral ischemic attack, unspecified

CODE	DESCRIPTION
G46.0	Middle cerebral artery syndrome
G46.1	Anterior cerebral artery syndrome
G46.2	Posterior cerebral artery syndrome
G47.30	Sleep apnea, unspecified
G47.31	Primary central sleep apnea
G47.33	Obstructive sleep apnea (adult) (pediatric)
H34.00	Transient retinal artery occlusion, unspecified eye
H34.01	Transient retinal artery occlusion, right eye
H34.02	Transient retinal artery occlusion, left eye
H34.03	Transient retinal artery occlusion, bilateral
I01.0	Acute rheumatic pericarditis
I01.1	Acute rheumatic endocarditis
I01.2	Acute rheumatic myocarditis
I01.8	Other acute rheumatic heart disease
I01.9	Acute rheumatic heart disease, unspecified
CODE	DESCRIPTION
I02.0	Rheumatic chorea with heart involvement
I02.9	Rheumatic chorea without heart involvement
I05.0	Rheumatic mitral stenosis
I05.1	Rheumatic mitral insufficiency
I05.2	Rheumatic mitral stenosis with insufficiency
I05.8	Other rheumatic mitral valve diseases
I05.9	Rheumatic mitral valve disease, unspecified
I06.0	Rheumatic aortic stenosis
I06.1	Rheumatic aortic insufficiency
I06.2	Rheumatic aortic stenosis with insufficiency
I06.8	Other rheumatic aortic valve diseases
I06.9	Rheumatic aortic valve disease, unspecified
I07.0	Rheumatic tricuspid stenosis
I07.1	Rheumatic tricuspid insufficiency
I07.2	Rheumatic tricuspid stenosis and insufficiency
I07.8	Other rheumatic tricuspid valve diseases

CODE	DESCRIPTION
I07.9	Rheumatic tricuspid valve disease, unspecified
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
I09.2	Chronic rheumatic pericarditis
I09.81	Rheumatic heart failure
I09.89	Other specified rheumatic heart diseases
I10	Essential (primary) hypertension
I11.0	Hypertensive heart disease with heart failure
I11.9	Hypertensive heart disease without heart failure
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
I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
I13.10	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
I15.0	Renovascular hypertension
I15.1	Hypertension secondary to other renal disorders
I16.0	Hypertensive urgency
I16.1	Hypertensive emergency
I16.9	Hypertensive crisis, unspecified
I20.0	Unstable angina

CODE	DESCRIPTION
I20.1	Angina pectoris with documented spasm
I20.81	Angina pectoris with coronary microvascular dysfunction
I20.89	Other forms of angina pectoris
I20.9	Angina pectoris, unspecified
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
I21.3	ST elevation (STEMI) myocardial infarction of unspecified site
I21.4	Non-ST elevation (NSTEMI) myocardial infarction
I21.9	Acute myocardial infarction, unspecified
I21.A1	Myocardial infarction type 2
I21.A9	Other myocardial infarction type
I21.B	Myocardial infarction with coronary microvascular dysfunction
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
I22.9	Subsequent ST elevation (STEMI) myocardial infarction of unspecified site
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

CODE	DESCRIPTION
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
I24.0	Acute coronary thrombosis not resulting in myocardial infarction
I24.1	Dressler's syndrome
I24.81	Acute coronary microvascular dysfunction
I24.89	Other forms of acute ischemic heart disease
I24.9	Acute ischemic heart disease, unspecified
I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris
I25.110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
I25.111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm
I25.118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris
I25.119	Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris
I25.2	Old myocardial infarction
I25.3	Aneurysm of heart
I25.41	Coronary artery aneurysm
I25.42	Coronary artery dissection
I25.5	Ischemic cardiomyopathy
I25.6	Silent myocardial ischemia
I25.700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris
I25.701	Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm
I25.708	Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris
I25.709	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris
I25.710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris

CODE	DESCRIPTION
I25.711	Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.718	Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris
I25.719	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris
I25.720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris
I25.721	Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm
CODE	DESCRIPTION
I25.728	Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris
I25.729	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris
I25.730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris
I25.731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris
I25.739	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris
I25.750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina
I25.751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm
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
I25.760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina
I25.761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm
I25.768	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

CODE	DESCRIPTION
	unspecified 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
I25.798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris
I25.799	Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris
I25.810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris
I25.811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris
I25.812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris
I25.82	Chronic total occlusion of coronary artery
I25.89	Other forms of chronic ischemic heart disease
I25.9	Chronic ischemic heart disease, unspecified
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
I26.93	Single subsegmental thrombotic pulmonary embolism without acute cor pulmonale
I26.94	Multiple subsegmental thrombotic pulmonary emboli without acute cor pulmonale
I26.99	Other pulmonary embolism without acute cor pulmonale
I27.0	Primary pulmonary hypertension
I27.1	Kyphoscoliotic heart disease
I27.20	Pulmonary hypertension, unspecified
I27.21	Secondary pulmonary arterial hypertension
I27.22	Pulmonary hypertension due to left heart disease
I27.23	Pulmonary hypertension due to lung diseases and hypoxia
I27.24	Chronic thromboembolic pulmonary hypertension
I27.29	Other secondary pulmonary hypertension

CODE	DESCRIPTION
I27.82	Chronic pulmonary embolism
I27.83	Eisenmenger's syndrome
I27.89	Other specified pulmonary heart diseases
I28.0	Arteriovenous fistula of pulmonary vessels
I28.1	Aneurysm of pulmonary artery
I30.0	Acute nonspecific idiopathic pericarditis
I30.1	Infective pericarditis
I30.8	Other forms of acute pericarditis
I30.9	Acute pericarditis, unspecified
I31.0	Chronic adhesive pericarditis
I31.1	Chronic constrictive pericarditis
I31.2	Hemopericardium, not elsewhere classified
I31.31	Malignant pericardial effusion in diseases classified elsewhere
I31.39	Other pericardial effusion (noninflammatory)
I31.4	Cardiac tamponade
I31.8	Other specified diseases of pericardium
I31.9	Disease of pericardium, unspecified
I32	Pericarditis in diseases classified elsewhere
I33.0	Acute and subacute infective endocarditis
I33.9	Acute and subacute endocarditis, unspecified
I34.0	Nonrheumatic mitral (valve) insufficiency
I34.1	Nonrheumatic mitral (valve) prolapse
I34.2	Nonrheumatic mitral (valve) stenosis
I34.81	Nonrheumatic mitral (valve) annulus calcification
I34.89	Other nonrheumatic mitral valve disorders
I34.9	Nonrheumatic mitral valve disorder, unspecified
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
I35.9	Nonrheumatic aortic valve disorder, unspecified
I36.0	Nonrheumatic tricuspid (valve) stenosis

CODE	DESCRIPTION
I36.1	Nonrheumatic tricuspid (valve) insufficiency
I36.2	Nonrheumatic tricuspid (valve) stenosis with insufficiency
I36.8	Other nonrheumatic tricuspid valve disorders
I36.9	Nonrheumatic tricuspid valve disorder, unspecified
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
I37.9	Nonrheumatic pulmonary valve disorder, unspecified
I38	Endocarditis, valve unspecified
I39	Endocarditis and heart valve disorders in diseases classified elsewhere
I40.0	Infective myocarditis
I40.1	Isolated myocarditis
I40.8	Other acute myocarditis
I40.9	Acute myocarditis, unspecified
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
I42.7	Cardiomyopathy due to drug and external agent
I42.8	Other cardiomyopathies
I42.9	Cardiomyopathy, unspecified
I43	Cardiomyopathy in diseases classified elsewhere
I44.1	Atrioventricular block, second degree
CODE	DESCRIPTION
I44.2	Atrioventricular block, complete
I44.30	Unspecified atrioventricular block
I44.39	Other atrioventricular block

CODE	DESCRIPTION
I44.7	Left bundle-branch block, unspecified
I45.2	Bifascicular block
I45.3	Trifascicular block
I45.4	Nonspecific intraventricular block
I45.5	Other specified heart block
I45.6	Pre-excitation syndrome
I45.9	Conduction disorder, unspecified
I46.2	Cardiac arrest due to underlying cardiac condition
I46.8	Cardiac arrest due to other underlying condition
I46.9	Cardiac arrest, cause unspecified
I47.0	Re-entry ventricular arrhythmia
I47.10	Supraventricular tachycardia, unspecified
I47.11	Inappropriate sinus tachycardia, so stated
I47.19	Other supraventricular tachycardia
I47.20	Ventricular tachycardia, unspecified
I47.21	Torsades de pointes
I47.29	Other ventricular tachycardia
I47.9	Paroxysmal tachycardia, unspecified
I48.0	Paroxysmal atrial fibrillation
I48.11	Longstanding persistent atrial fibrillation
I48.19	Other persistent atrial fibrillation
I48.20	Chronic atrial fibrillation, unspecified
I48.21	Permanent atrial fibrillation
I48.3	Typical atrial flutter
I48.4	Atypical atrial flutter
I48.91	Unspecified atrial fibrillation
I48.92	Unspecified atrial flutter
I49.01	Ventricular fibrillation
I49.02	Ventricular flutter
I49.1	Atrial premature depolarization
I49.2	Junctional premature depolarization
I49.3	Ventricular premature depolarization

CODE	DESCRIPTION
I49.40	Unspecified premature depolarization
I49.49	Other premature depolarization
I49.8	Other specified cardiac arrhythmias
I50.1	Left ventricular failure, unspecified
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
I50.810	Right heart failure, unspecified
I50.811	Acute right heart failure
I50.812	Chronic right heart failure
I50.813	Acute on chronic right heart failure
I50.814	Right heart failure due to left heart failure
I50.82	Biventricular heart failure
I50.83	High output heart failure
I50.84	End stage heart failure
I50.89	Other 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

CODE	DESCRIPTION
I51.5	Myocardial degeneration
I51.7	Cardiomegaly
I51.81	Takotsubo syndrome
I51.89	Other ill-defined heart diseases
I51.9	Heart disease, unspecified
I52	Other heart disorders in diseases classified elsewhere
I60.00	Nontraumatic subarachnoid hemorrhage from unspecified carotid siphon and bifurcation
I60.01	Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation
I60.02	Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation
I60.10	Nontraumatic subarachnoid hemorrhage from unspecified middle cerebral artery
I60.11	Nontraumatic subarachnoid hemorrhage from right middle cerebral artery
I60.12	Nontraumatic subarachnoid hemorrhage from left middle cerebral artery
I60.2	Nontraumatic subarachnoid hemorrhage from anterior communicating artery
I60.30	Nontraumatic subarachnoid hemorrhage from unspecified posterior communicating artery
I60.31	Nontraumatic subarachnoid hemorrhage from right posterior communicating artery
I60.32	Nontraumatic subarachnoid hemorrhage from left posterior communicating artery
I60.4	Nontraumatic subarachnoid hemorrhage from basilar artery
I60.50	Nontraumatic subarachnoid hemorrhage from unspecified vertebral artery
I60.51	Nontraumatic subarachnoid hemorrhage from right vertebral artery
I60.52	Nontraumatic subarachnoid hemorrhage from left vertebral artery
I60.6	Nontraumatic subarachnoid hemorrhage from other intracranial arteries
I60.7	Nontraumatic subarachnoid hemorrhage from unspecified intracranial artery
I60.8	Other nontraumatic subarachnoid hemorrhage
I60.9	Nontraumatic subarachnoid hemorrhage, unspecified
I63.013	Cerebral infarction due to thrombosis of bilateral vertebral arteries
I63.113	Cerebral infarction due to embolism of bilateral vertebral arteries
I63.133	Cerebral infarction due to embolism of bilateral carotid arteries
I63.213	Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries
I63.233	Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries

CODE	DESCRIPTION
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
I63.313	Cerebral infarction due to thrombosis of bilateral middle cerebral arteries
I63.319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery
CODE	DESCRIPTION
I63.321	Cerebral infarction due to thrombosis of right anterior cerebral artery
I63.322	Cerebral infarction due to thrombosis of left anterior cerebral artery
I63.323	Cerebral infarction due to thrombosis of bilateral anterior cerebral arteries
I63.329	Cerebral infarction due to thrombosis of unspecified 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
I63.333	Cerebral infarction due to thrombosis of bilateral posterior cerebral arteries
I63.339	Cerebral infarction due to thrombosis of unspecified 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
I63.343	Cerebral infarction due to thrombosis of bilateral cerebellar arteries
I63.349	Cerebral infarction due to thrombosis of unspecified cerebellar artery
I63.39	Cerebral infarction due to thrombosis of other cerebral artery
I63.40	Cerebral infarction due to embolism of unspecified 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
I63.413	Cerebral infarction due to embolism of bilateral middle cerebral arteries
I63.419	Cerebral infarction due to embolism of unspecified 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
I63.423	Cerebral infarction due to embolism of bilateral anterior cerebral arteries
I63.429	Cerebral infarction due to embolism of unspecified 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
I63.433	Cerebral infarction due to embolism of bilateral posterior cerebral arteries
I63.439	Cerebral infarction due to embolism of unspecified posterior cerebral artery

CODE	DESCRIPTION
I63.441	Cerebral infarction due to embolism of right cerebellar artery
I63.442	Cerebral infarction due to embolism of left cerebellar artery
I63.443	Cerebral infarction due to embolism of bilateral cerebellar arteries
I63.449	Cerebral infarction due to embolism of unspecified cerebellar artery
I63.49	Cerebral infarction due to embolism of other cerebral artery
I63.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified 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
I63.513	Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral arteries
I63.519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified 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
I63.523	Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral arteries
I63.529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified 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
I63.533	Cerebral infarction due to unspecified occlusion or stenosis of bilateral posterior cerebral arteries
I63.539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified 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
I63.543	Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries
I63.549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar

CODE	DESCRIPTION
	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
I63.81	Other cerebral infarction due to occlusion or stenosis of small artery
I63.89	Other cerebral infarction
I63.9	Cerebral infarction, unspecified
I66.01	Occlusion and stenosis of right middle cerebral artery
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
I66.29	Occlusion and stenosis of unspecified posterior cerebral artery
I66.3	Occlusion and stenosis of cerebellar arteries
I66.8	Occlusion and stenosis of other cerebral arteries
I66.9	Occlusion and stenosis of unspecified cerebral artery
I67.841	Reversible cerebrovascular vasoconstriction syndrome
I67.848	Other cerebrovascular vasospasm and vasoconstriction
I67.89	Other cerebrovascular disease
I70.0	Atherosclerosis of aorta
I71.00	Dissection of unspecified site of aorta
I71.010	Dissection of ascending aorta
I71.011	Dissection of aortic arch
I71.012	Dissection of descending thoracic aorta
I71.019	Dissection of thoracic aorta, unspecified
I71.02	Dissection of abdominal aorta
I71.03	Dissection of thoracoabdominal aorta

CODE	DESCRIPTION
I71.10	Thoracic aortic aneurysm, ruptured, unspecified
I71.11	Aneurysm of the ascending aorta, ruptured
I71.12	Aneurysm of the aortic arch, ruptured
I71.13	Aneurysm of the descending thoracic aorta, ruptured
I71.20	Thoracic aortic aneurysm, without rupture, unspecified
I71.21	Aneurysm of the ascending aorta, without rupture
I71.22	Aneurysm of the aortic arch, without rupture
I71.23	Aneurysm of the descending thoracic aorta, without rupture
I71.30	Abdominal aortic aneurysm, ruptured, unspecified
I71.31	Pararenal abdominal aortic aneurysm, ruptured
I71.32	Juxtarenal abdominal aortic aneurysm, ruptured
I71.33	Infrarenal abdominal aortic aneurysm, ruptured
I71.40	Abdominal aortic aneurysm, without rupture, unspecified
I71.41	Pararenal abdominal aortic aneurysm, without rupture
I71.42	Juxtarenal abdominal aortic aneurysm, without rupture
I71.43	Infrarenal abdominal aortic aneurysm, without rupture
I71.50	Thoracoabdominal aortic aneurysm, ruptured, unspecified
I71.51	Supraceliac aneurysm of the thoracoabdominal aorta, ruptured
I71.52	Paravisceral aneurysm of the thoracoabdominal aorta, ruptured
I71.60	Thoracoabdominal aortic aneurysm, without rupture, unspecified
I71.61	Supraceliac aneurysm of the thoracoabdominal aorta, without rupture
CODE	DESCRIPTION
I71.62	Paravisceral aneurysm of the thoracoabdominal aorta, without rupture
I71.8	Aortic aneurysm of unspecified site, ruptured
I71.9	Aortic aneurysm of unspecified site, without rupture
I74.11	Embolism and thrombosis of thoracic aorta
I74.2	Embolism and thrombosis of arteries of the upper extremities
I74.3	Embolism and thrombosis of arteries of the lower extremities
I74.4	Embolism and thrombosis of arteries of extremities, unspecified
I74.5	Embolism and thrombosis of iliac artery
I74.8	Embolism and thrombosis of other arteries
I74.9	Embolism and thrombosis of unspecified artery

CODE	DESCRIPTION
I76	Septic arterial embolism
I77.810	Thoracic aortic ectasia
I77.82	Antineutrophilic cytoplasmic antibody [ANCA] vasculitis
I79.0	Aneurysm of aorta in diseases classified elsewhere
I95.1	Orthostatic hypotension
I95.2	Hypotension due to drugs
I95.81	Postprocedural hypotension
I95.89	Other hypotension
I95.9	Hypotension, unspecified
I97.0	Postcardiotomy syndrome
I97.110	Postprocedural cardiac insufficiency following cardiac surgery
I97.111	Postprocedural cardiac insufficiency following other 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
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
I97.710	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
I97.88	Other intraoperative complications of the circulatory system, not elsewhere classified
I97.89	Other postprocedural complications and disorders of the circulatory system, not elsewhere classified
J80	Acute respiratory distress syndrome
J81.0	Acute pulmonary edema
J95.1	Acute pulmonary insufficiency following thoracic surgery
J95.2	Acute pulmonary insufficiency following nonthoracic surgery
J95.3	Chronic pulmonary insufficiency following surgery
J95.821	Acute postprocedural respiratory failure

CODE	DESCRIPTION
J95.822	Acute and chronic postprocedural respiratory failure
J95.84	Transfusion-related acute lung injury (TRALI)
J96.00	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia
J96.01	Acute respiratory failure with hypoxia
J96.02	Acute respiratory failure with hypercapnia
J96.20	Acute and chronic respiratory failure, unspecified whether with hypoxia or hypercapnia
J96.21	Acute and chronic respiratory failure with hypoxia
J96.22	Acute and chronic respiratory failure with hypercapnia
K68.11	Postprocedural retroperitoneal abscess
K68.2	Retroperitoneal fibrosis
K68.3	Retroperitoneal hematoma
M30.3	Mucocutaneous lymph node syndrome [Kawasaki]
M31.4	Aortic arch syndrome [Takayasu]
M32.0	Drug-induced systemic lupus erythematosus
M32.10	Systemic lupus erythematosus, organ or system involvement unspecified
M32.11	Endocarditis in systemic lupus erythematosus
M32.12	Pericarditis in systemic lupus erythematosus
M32.13	Lung involvement in systemic lupus erythematosus
M32.14	Glomerular disease in systemic lupus erythematosus
M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus
M32.19	Other organ or system involvement in systemic lupus erythematosus
M32.8	Other forms of systemic lupus erythematosus
M32.9	Systemic lupus erythematosus, unspecified
N26.2	Page kidney
N98.0	Infection associated with artificial insemination
O90.3	Peripartum cardiomyopathy
O90.89	Other complications of the puerperium, not elsewhere classified
Q20.0	Common arterial trunk
Q20.2	Double outlet left ventricle
Q20.3	Discordant ventriculoarterial connection
Q20.5	Discordant atrioventricular connection

CODE	DESCRIPTION
Q20.8	Other congenital malformations of cardiac chambers and connections
Q21.0	Ventricular septal defect
Q21.10	Atrial septal defect, unspecified
Q21.11	Secundum atrial septal defect
Q21.12	Patent foramen ovale
Q21.13	Coronary sinus atrial septal defect
Q21.14	Superior sinus venosus atrial septal defect
Q21.15	Inferior sinus venosus atrial septal defect
Q21.16	Sinus venosus atrial septal defect, unspecified
Q21.19	Other specified atrial septal defect
Q21.20	Atrioventricular septal defect, unspecified as to partial or complete
Q21.21	Partial atrioventricular septal defect
Q21.22	Transitional atrioventricular septal defect
Q21.23	Complete atrioventricular septal defect
Q21.3	Tetralogy of Fallot
Q21.9	Congenital malformation of cardiac septum, unspecified
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
Q22.9	Congenital malformation of tricuspid valve, unspecified
Q23.0	Congenital stenosis of aortic valve
Q23.1	Congenital insufficiency of aortic valve
Q23.2	Congenital mitral stenosis
Q23.3	Congenital mitral insufficiency
Q23.9	Congenital malformation of aortic and mitral valves, unspecified
CODE	DESCRIPTION
Q24.0	Dextrocardia
Q24.1	Levocardia

CODE	DESCRIPTION
Q24.2	Cor triatriatum
Q24.3	Pulmonary infundibular stenosis
Q24.4	Congenital subaortic stenosis
Q24.5	Malformation of coronary vessels
Q24.6	Congenital heart block
Q24.8	Other specified congenital malformations of heart
Q25.0	Patent ductus arteriosus
Q25.1	Coarctation of aorta
Q25.21	Interruption of aortic arch
Q25.29	Other atresia of aorta
Q25.3	Supravalvular aortic stenosis
Q25.40 - Q25.49	Congenital malformation of aorta unspecified - 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
Q25.8	Other congenital malformations of other great arteries
Q25.9	Congenital malformation of great arteries, unspecified
Q26.0	Congenital stenosis of vena cava
Q26.1	Persistent left superior vena cava
Q26.2	Total anomalous pulmonary venous connection
Q26.3	Partial anomalous pulmonary venous connection
Q26.4	Anomalous pulmonary venous connection, unspecified
Q26.8	Other congenital malformations of great veins
Q26.9	Congenital malformation of great vein, unspecified
Q27.9	Congenital malformation of peripheral vascular system, unspecified
Q28.2	Arteriovenous malformation of cerebral vessels
Q28.3	Other malformations of cerebral vessels
Q28.9	Congenital malformation of circulatory system, unspecified
Q33.2	Sequestration of lung

CODE	DESCRIPTION
Q33.3	Agenesis of lung
Q33.6	Congenital hypoplasia and dysplasia of lung
Q40.1	Congenital hiatus hernia
Q67.6	Pectus excavatum
Q67.7	Pectus carinatum
Q87.40	Marfan syndrome, unspecified
Q87.410	Marfan syndrome with aortic dilation
Q87.418	Marfan syndrome with other cardiovascular manifestations
Q87.42	Marfan syndrome with ocular manifestations
Q87.43	Marfan syndrome with skeletal manifestation
Q89.01	Asplenia (congenital)
Q89.09	Congenital malformations of spleen
Q89.3	Situs inversus
Q89.9	Congenital malformation, unspecified
Q90.0	Trisomy 21, nonmosaicism (meiotic nondisjunction)
Q90.1	Trisomy 21, mosaicism (mitotic nondisjunction)
Q90.2	Trisomy 21, translocation
Q90.9	Down syndrome, unspecified
Q96.0	Karyotype 45, X
Q96.1	Karyotype 46, X iso (Xq)
Q96.2	Karyotype 46, X with abnormal sex chromosome, except iso (Xq)
Q96.3	Mosaicism, 45, X/46, XX or XY
Q96.4	Mosaicism, 45, X/other cell line(s) with abnormal sex chromosome
Q96.8	Other variants of Turner's syndrome
Q96.9	Turner's syndrome, unspecified
R00.0	Tachycardia, unspecified
R00.2	Palpitations
R00.8	Other abnormalities of heart beat
R00.9	Unspecified abnormalities of heart beat
R01.0	Benign and innocent cardiac murmurs
R01.1	Cardiac murmur, unspecified
R01.2	Other cardiac sounds

CODE	DESCRIPTION
R06.00	Dyspnea, unspecified
R06.02	Shortness of breath
R06.03	Acute respiratory distress
R06.09	Other forms of dyspnea
R06.2	Wheezing
R06.3	Periodic breathing
R06.81	Apnea, not elsewhere classified
R06.82	Tachypnea, not elsewhere classified
R06.83	Snoring
R06.89	Other abnormalities of breathing
R07.2	Precordial pain
R07.82	Intercostal pain
R07.89	Other chest pain
R07.9	Chest pain, unspecified
R09.2	Respiratory arrest
R22.2	Localized swelling, mass and lump, trunk
R23.0	Cyanosis
R40.20	Unspecified coma
R40.2110	Coma scale, eyes open, never, unspecified time
R40.2111	Coma scale, eyes open, never, in the field [EMT or ambulance]
R40.2112	Coma scale, eyes open, never, at arrival to emergency department
R40.2113	Coma scale, eyes open, never, at hospital admission
R40.2114	Coma scale, eyes open, never, 24 hours or more after hospital admission
R40.2120	Coma scale, eyes open, to pain, unspecified time
R40.2121	Coma scale, eyes open, to pain, in the field [EMT or ambulance]
R40.2122	Coma scale, eyes open, to pain, at arrival to emergency department
R40.2123	Coma scale, eyes open, to pain, at hospital admission
R40.2124	Coma scale, eyes open, to pain, 24 hours or more after hospital admission
R40.2210	Coma scale, best verbal response, none, unspecified time
R40.2211	Coma scale, best verbal response, none, in the field [EMT or ambulance]
R40.2212	Coma scale, best verbal response, none, at arrival to emergency department
R40.2213	Coma scale, best verbal response, none, at hospital admission

CODE	DESCRIPTION
R40.2214	Coma scale, best verbal response, none, 24 hours or more after hospital admission
R40.2220	Coma scale, best verbal response, incomprehensible words, unspecified time
R40.2221	Coma scale, best verbal response, incomprehensible words, in the field [EMT or ambulance]
CODE	DESCRIPTION
R40.2222	Coma scale, best verbal response, incomprehensible words, at arrival to emergency department
R40.2223	Coma scale, best verbal response, incomprehensible words, at hospital admission
R40.2224	Coma scale, best verbal response, incomprehensible words, 24 hours or more after hospital admission
R40.2310	Coma scale, best motor response, none, unspecified time
R40.2311	Coma scale, best motor response, none, in the field [EMT or ambulance]
R40.2312	Coma scale, best motor response, none, at arrival to emergency department
R40.2313	Coma scale, best motor response, none, at hospital admission
R40.2314	Coma scale, best motor response, none, 24 hours or more after hospital admission
R40.2320	Coma scale, best motor response, extension, unspecified time
R40.2321	Coma scale, best motor response, extension, in the field [EMT or ambulance]
R40.2322	Coma scale, best motor response, extension, at arrival to emergency department
R40.2323	Coma scale, best motor response, extension, at hospital admission
R40.2324	Coma scale, best motor response, extension, 24 hours or more after hospital admission
R40.2340	Coma scale, best motor response, flexion withdrawal, unspecified time
R40.2341	Coma scale, best motor response, flexion withdrawal, in the field [EMT or ambulance]
R40.2342	Coma scale, best motor response, flexion withdrawal, at arrival to emergency department
R40.2343	Coma scale, best motor response, flexion withdrawal, at hospital admission
R40.2344	Coma scale, best motor response, flexion withdrawal, 24 hours or more after hospital admission
R40.2A	Nontraumatic coma due to underlying condition
R40.4	Transient alteration of awareness
R47.01	Aphasia
R50.2	Drug induced fever
R50.81	Fever presenting with conditions classified elsewhere

CODE	DESCRIPTION
R50.82	Postprocedural fever
R50.9	Fever, unspecified
R55	Syncope and collapse
R57.0	Cardiogenic shock
R57.1	Hypovolemic shock
R57.8	Other shock
R57.9	Shock, unspecified
R60.0	Localized edema
R60.1	Generalized edema
R60.9	Edema, unspecified
R65.21	Severe sepsis with septic shock
R68.89	Other general symptoms and signs
R78.81	Bacteremia
R94.31	Abnormal electrocardiogram [ECG] [EKG]
S22.5XXA	Flail chest, initial encounter for closed fracture
S22.5XXB	Flail chest, initial encounter for open fracture
S22.5XXG	Flail chest, subsequent encounter for fracture with delayed healing
S22.5XXK	Flail chest, subsequent encounter for fracture with nonunion
S22.5XXS	Flail chest, sequela
S25.00XA	Unspecified injury of thoracic aorta, initial encounter
S25.00XD	Unspecified injury of thoracic aorta, subsequent encounter
S25.00XS	Unspecified injury of thoracic aorta, sequela
S25.01XA	Minor laceration of thoracic aorta, initial encounter
S25.01XD	Minor laceration of thoracic aorta, subsequent encounter
S25.01XS	Minor laceration of thoracic aorta, sequela
S25.02XA	Major laceration of thoracic aorta, initial encounter
S25.02XD	Major laceration of thoracic aorta, subsequent encounter
S25.02XS	Major laceration of thoracic aorta, sequela
S25.09XA	Other specified injury of thoracic aorta, initial encounter
S25.09XD	Other specified injury of thoracic aorta, subsequent encounter
S25.09XS	Other specified injury of thoracic aorta, sequela
S25.20XA	Unspecified injury of superior vena cava, initial encounter

CODE	DESCRIPTION
S25.20XD	Unspecified injury of superior vena cava, subsequent encounter
S25.20XS	Unspecified injury of superior vena cava, sequela
S25.21XA	Minor laceration of superior vena cava, initial encounter
S25.21XD	Minor laceration of superior vena cava, subsequent encounter
S25.21XS	Minor laceration of superior vena cava, sequela
S25.22XA	Major laceration of superior vena cava, initial encounter
S25.22XD	Major laceration of superior vena cava, subsequent encounter
S25.22XS	Major laceration of superior vena cava, sequela
S25.29XA	Other specified injury of superior vena cava, initial encounter
S25.29XD	Other specified injury of superior vena cava, subsequent encounter
S25.29XS	Other specified injury of superior vena cava, sequela
S25.401A	Unspecified injury of right pulmonary blood vessels, initial encounter
S25.401D	Unspecified injury of right pulmonary blood vessels, subsequent encounter
S25.401S	Unspecified injury of right pulmonary blood vessels, sequela
S25.402A	Unspecified injury of left pulmonary blood vessels, initial encounter
S25.402D	Unspecified injury of left pulmonary blood vessels, subsequent encounter
S25.402S	Unspecified injury of left pulmonary blood vessels, sequela
S25.409A	Unspecified injury of unspecified pulmonary blood vessels, initial encounter
S25.409D	Unspecified injury of unspecified pulmonary blood vessels, subsequent encounter
S25.409S	Unspecified injury of unspecified pulmonary blood vessels, sequela
S25.411A	Minor laceration of right pulmonary blood vessels, initial encounter
S25.411D	Minor laceration of right pulmonary blood vessels, subsequent encounter
S25.411S	Minor laceration of right pulmonary blood vessels, sequela
S25.412A	Minor laceration of left pulmonary blood vessels, initial encounter
S25.412D	Minor laceration of left pulmonary blood vessels, subsequent encounter
S25.412S	Minor laceration of left pulmonary blood vessels, sequela
S25.419A	Minor laceration of unspecified pulmonary blood vessels, initial encounter
S25.419D	Minor laceration of unspecified pulmonary blood vessels, subsequent encounter
S25.419S	Minor laceration of unspecified pulmonary blood vessels, sequela
S25.421A	Major laceration of right pulmonary blood vessels, initial encounter
S25.421D	Major laceration of right pulmonary blood vessels, subsequent encounter
S25.421S	Major laceration of right pulmonary blood vessels, sequela

CODE	DESCRIPTION
S25.422A	Major laceration of left pulmonary blood vessels, initial encounter
S25.422D	Major laceration of left pulmonary blood vessels, subsequent encounter
S25.422S	Major laceration of left pulmonary blood vessels, sequela
S25.429A	Major laceration of unspecified pulmonary blood vessels, initial encounter
S25.429D	Major laceration of unspecified pulmonary blood vessels, subsequent encounter
S25.429S	Major laceration of unspecified pulmonary blood vessels, sequela
S25.491A	Other specified injury of right pulmonary blood vessels, initial encounter
S25.491D	Other specified injury of right pulmonary blood vessels, subsequent encounter
S25.491S	Other specified injury of right pulmonary blood vessels, sequela
S25.492A	Other specified injury of left pulmonary blood vessels, initial encounter
S25.492D	Other specified injury of left pulmonary blood vessels, subsequent encounter
S25.492S	Other specified injury of left pulmonary blood vessels, sequela
S25.499A	Other specified injury of unspecified pulmonary blood vessels, initial encounter
CODE	DESCRIPTION
S25.499D	Other specified injury of unspecified pulmonary blood vessels, subsequent encounter
S25.499S	Other specified injury of unspecified pulmonary blood vessels, sequela
S26.00XA	Unspecified injury of heart with hemopericardium, initial encounter
S26.00XD	Unspecified injury of heart with hemopericardium, subsequent encounter
S26.00XS	Unspecified injury of heart with hemopericardium, sequela
S26.01XA	Contusion of heart with hemopericardium, initial encounter
S26.01XD	Contusion of heart with hemopericardium, subsequent encounter
S26.01XS	Contusion of heart with hemopericardium, sequela
S26.020A	Mild laceration of heart with hemopericardium, initial encounter
S26.020D	Mild laceration of heart with hemopericardium, subsequent encounter
S26.020S	Mild laceration of heart with hemopericardium, sequela
S26.021A	Moderate laceration of heart with hemopericardium, initial encounter
S26.021D	Moderate laceration of heart with hemopericardium, subsequent encounter
S26.021S	Moderate laceration of heart with hemopericardium, sequela
S26.022A	Major laceration of heart with hemopericardium, initial encounter
S26.022D	Major laceration of heart with hemopericardium, subsequent encounter
S26.022S	Major laceration of heart with hemopericardium, sequela
S26.09XA	Other injury of heart with hemopericardium, initial encounter

CODE	DESCRIPTION
S26.09XD	Other injury of heart with hemopericardium, subsequent encounter
S26.09XS	Other injury of heart with hemopericardium, sequela
S26.10XA	Unspecified injury of heart without hemopericardium, initial encounter
S26.10XD	Unspecified injury of heart without hemopericardium, subsequent encounter
S26.10XS	Unspecified injury of heart without hemopericardium, sequela
S26.11XA	Contusion of heart without hemopericardium, initial encounter
S26.11XD	Contusion of heart without hemopericardium, subsequent encounter
S26.11XS	Contusion of heart without hemopericardium, sequela
S26.12XA	Laceration of heart without hemopericardium, initial encounter
S26.12XD	Laceration of heart without hemopericardium, subsequent encounter
S26.12XS	Laceration of heart without hemopericardium, sequela
S26.19XA	Other injury of heart without hemopericardium, initial encounter
S26.19XD	Other injury of heart without hemopericardium, subsequent encounter
S26.19XS	Other injury of heart without hemopericardium, sequela
S26.90XA	Unspecified injury of heart, unspecified with or without hemopericardium, initial encounter
S26.90XD	Unspecified injury of heart, unspecified with or without hemopericardium, subsequent encounter
S26.90XS	Unspecified injury of heart, unspecified with or without hemopericardium, sequela
S26.91XA	Contusion of heart, unspecified with or without hemopericardium, initial encounter
S26.91XD	Contusion of heart, unspecified with or without hemopericardium, subsequent encounter
S26.91XS	Contusion of heart, unspecified with or without hemopericardium, sequela
S26.92XA	Laceration of heart, unspecified with or without hemopericardium, initial encounter
S26.92XD	Laceration of heart, unspecified with or without hemopericardium, subsequent encounter
S26.92XS	Laceration of heart, unspecified with or without hemopericardium, sequela
S26.99XA	Other injury of heart, unspecified with or without hemopericardium, initial encounter
S26.99XD	Other injury of heart, unspecified with or without hemopericardium, subsequent encounter
S26.99XS	Other injury of heart, unspecified with or without hemopericardium, sequela
S29.001A	Unspecified injury of muscle and tendon of front wall of thorax, initial encounter
S29.001D	Unspecified injury of muscle and tendon of front wall of thorax, subsequent

CODE	DESCRIPTION
	encounter
S29.001S	Unspecified injury of muscle and tendon of front wall of thorax, sequela
S29.002A	Unspecified injury of muscle and tendon of back wall of thorax, initial encounter
S29.002D	Unspecified injury of muscle and tendon of back wall of thorax, subsequent encounter
S29.002S	Unspecified injury of muscle and tendon of back wall of thorax, sequela
S29.009A	Unspecified injury of muscle and tendon of unspecified wall of thorax, initial encounter
S29.009D	Unspecified injury of muscle and tendon of unspecified wall of thorax, subsequent encounter
S29.009S	Unspecified injury of muscle and tendon of unspecified wall of thorax, sequela
S29.091A	Other injury of muscle and tendon of front wall of thorax, initial encounter
S29.091D	Other injury of muscle and tendon of front wall of thorax, subsequent encounter
S29.091S	Other injury of muscle and tendon of front wall of thorax, sequela
S29.092A	Other injury of muscle and tendon of back wall of thorax, initial encounter
S29.092D	Other injury of muscle and tendon of back wall of thorax, subsequent encounter
S29.092S	Other injury of muscle and tendon of back wall of thorax, sequela
S29.099A	Other injury of muscle and tendon of unspecified wall of thorax, initial encounter
S29.099D	Other injury of muscle and tendon of unspecified wall of thorax, subsequent encounter
S29.099S	Other injury of muscle and tendon of unspecified wall of thorax, sequela
S29.8XXA	Other specified injuries of thorax, initial encounter
S29.8XXD	Other specified injuries of thorax, subsequent encounter
S29.8XXS	Other specified injuries of thorax, sequela
S29.9XXA	Unspecified injury of thorax, initial encounter
S29.9XXD	Unspecified injury of thorax, subsequent encounter
S29.9XXS	Unspecified injury of thorax, sequela
T41.0X5A	Adverse effect of inhaled anesthetics, initial encounter
T41.0X5D	Adverse effect of inhaled anesthetics, subsequent encounter
T41.0X5S	Adverse effect of inhaled anesthetics, sequela
T41.1X5A	Adverse effect of intravenous anesthetics, initial encounter
T41.1X5D	Adverse effect of intravenous anesthetics, subsequent encounter
T41.1X5S	Adverse effect of intravenous anesthetics, sequela

CODE	DESCRIPTION
T41.205A	Adverse effect of unspecified general anesthetics, initial encounter
T41.205D	Adverse effect of unspecified general anesthetics, subsequent encounter
T41.205S	Adverse effect of unspecified general anesthetics, sequela
T41.295A	Adverse effect of other general anesthetics, initial encounter
T41.295D	Adverse effect of other general anesthetics, subsequent encounter
T41.295S	Adverse effect of other general anesthetics, sequela
T41.3X5A	Adverse effect of local anesthetics, initial encounter
T41.3X5D	Adverse effect of local anesthetics, subsequent encounter
T41.3X5S	Adverse effect of local anesthetics, sequela
T41.45XA	Adverse effect of unspecified anesthetic, initial encounter
T41.45XD	Adverse effect of unspecified anesthetic, subsequent encounter
T41.45XS	Adverse effect of unspecified anesthetic, sequela
T45.1X1A	Poisoning by antineoplastic and immunosuppressive drugs, accidental (unintentional), initial encounter
T45.1X1D	Poisoning by antineoplastic and immunosuppressive drugs, accidental (unintentional), subsequent encounter
T45.1X1S	Poisoning by antineoplastic and immunosuppressive drugs, accidental (unintentional), sequela
T45.1X4A	Poisoning by antineoplastic and immunosuppressive drugs, undetermined, initial encounter
T45.1X4D	Poisoning by antineoplastic and immunosuppressive drugs, undetermined, subsequent encounter
T45.1X4S	Poisoning by antineoplastic and immunosuppressive drugs, undetermined, sequela
T45.1X5A	Adverse effect of antineoplastic and immunosuppressive drugs, initial encounter
T45.1X5D	Adverse effect of antineoplastic and immunosuppressive drugs, subsequent encounter
T45.1X5S	Adverse effect of antineoplastic and immunosuppressive drugs, sequela
T46.904A	Poisoning by unspecified agents primarily affecting the cardiovascular system, undetermined, initial encounter
T46.904D	Poisoning by unspecified agents primarily affecting the cardiovascular system, undetermined, subsequent encounter
T46.904S	Poisoning by unspecified agents primarily affecting the cardiovascular system, undetermined, sequela
T50.905A	Adverse effect of unspecified drugs, medicaments and biological substances, initial encounter

CODE	DESCRIPTION
T50.905D	Adverse effect of unspecified drugs, medicaments and biological substances, subsequent encounter
CODE	DESCRIPTION
T50.905S	Adverse effect of unspecified drugs, medicaments and biological substances, sequela
T51.3X1A	Toxic effect of fusel oil, accidental (unintentional), initial encounter
T51.3X1D	Toxic effect of fusel oil, accidental (unintentional), subsequent encounter
T51.3X1S	Toxic effect of fusel oil, accidental (unintentional), sequela
T51.3X2A	Toxic effect of fusel oil, intentional self-harm, initial encounter
T51.3X2D	Toxic effect of fusel oil, intentional self-harm, subsequent encounter
T51.3X2S	Toxic effect of fusel oil, intentional self-harm, sequela
T51.3X3A	Toxic effect of fusel oil, assault, initial encounter
T51.3X3D	Toxic effect of fusel oil, assault, subsequent encounter
T51.3X3S	Toxic effect of fusel oil, assault, sequela
T51.3X4A	Toxic effect of fusel oil, undetermined, initial encounter
T51.3X4D	Toxic effect of fusel oil, undetermined, subsequent encounter
T51.3X4S	Toxic effect of fusel oil, undetermined, sequela
T58.94XA	Toxic effect of carbon monoxide from unspecified source, undetermined, initial encounter
T58.94XD	Toxic effect of carbon monoxide from unspecified source, undetermined, subsequent encounter
T58.94XS	Toxic effect of carbon monoxide from unspecified source, undetermined, sequela
T66.XXXA	Radiation sickness, unspecified, initial encounter
T66.XXXD	Radiation sickness, unspecified, subsequent encounter
T66.XXXS	Radiation sickness, unspecified, sequela
T75.00XA	Unspecified effects of lightning, initial encounter
T75.00XD	Unspecified effects of lightning, subsequent encounter
T75.00XS	Unspecified effects of lightning, sequela
T75.01XA	Shock due to being struck by lightning, initial encounter
T75.01XD	Shock due to being struck by lightning, subsequent encounter
T75.01XS	Shock due to being struck by lightning, sequela
T75.09XA	Other effects of lightning, initial encounter
T75.09XD	Other effects of lightning, subsequent encounter

CODE	DESCRIPTION
T75.09XS	Other effects of lightning, sequela
T75.4XXA	Electrocution, initial encounter
T75.4XXD	Electrocution, subsequent encounter
T75.4XXS	Electrocution, sequela
T79.0XXA	Air embolism (traumatic), initial encounter
T79.0XXD	Air embolism (traumatic), subsequent encounter
T79.0XXS	Air embolism (traumatic), sequela
T79.1XXA	Fat embolism (traumatic), initial encounter
T79.1XXD	Fat embolism (traumatic), subsequent encounter
T79.1XXS	Fat embolism (traumatic), sequela
T79.4XXA	Traumatic shock, initial encounter
T79.4XXD	Traumatic shock, subsequent encounter
T79.4XXS	Traumatic shock, sequela
T80.0XXA	Air embolism following infusion, transfusion and therapeutic injection, initial encounter
T80.0XXD	Air embolism following infusion, transfusion and therapeutic injection, subsequent encounter
T80.0XXS	Air embolism following infusion, transfusion and therapeutic injection, sequela
T80.211A	Bloodstream infection due to central venous catheter, initial encounter
T80.211D	Bloodstream infection due to central venous catheter, subsequent encounter
T80.211S	Bloodstream infection due to central venous catheter, sequela
T80.212A	Local infection due to central venous catheter, initial encounter
T80.212D	Local infection due to central venous catheter, subsequent encounter
T80.212S	Local infection due to central venous catheter, sequela
T80.218A	Other infection due to central venous catheter, initial encounter
T80.218D	Other infection due to central venous catheter, subsequent encounter
T80.218S	Other infection due to central venous catheter, sequela
T80.219A	Unspecified infection due to central venous catheter, initial encounter
T80.219D	Unspecified infection due to central venous catheter, subsequent encounter
T80.219S	Unspecified infection due to central venous catheter, sequela
T80.22XA	Acute infection following transfusion, infusion, or injection of blood and blood products, initial encounter
T80.22XD	Acute infection following transfusion, infusion, or injection of blood and blood

CODE	DESCRIPTION
	products, subsequent encounter
T80.22XS	Acute infection following transfusion, infusion, or injection of blood and blood products, sequela
T80.29XA	Infection following other infusion, transfusion and therapeutic injection, initial encounter
T80.29XD	Infection following other infusion, transfusion and therapeutic injection, subsequent encounter
T80.29XS	Infection following other infusion, transfusion and therapeutic injection, sequela
T80.51XA	Anaphylactic reaction due to administration of blood and blood products, initial encounter
T80.51XD	Anaphylactic reaction due to administration of blood and blood products, subsequent encounter
T80.51XS	Anaphylactic reaction due to administration of blood and blood products, sequela
T80.52XA	Anaphylactic reaction due to vaccination, initial encounter
T80.52XD	Anaphylactic reaction due to vaccination, subsequent encounter
T80.52XS	Anaphylactic reaction due to vaccination, sequela
T80.59XA	Anaphylactic reaction due to other serum, initial encounter
T80.59XD	Anaphylactic reaction due to other serum, subsequent encounter
T80.59XS	Anaphylactic reaction due to other serum, sequela
T81.10XA	Postprocedural shock unspecified, initial encounter
T81.10XD	Postprocedural shock unspecified, subsequent encounter
T81.10XS	Postprocedural shock unspecified, sequela
T81.11XA	Postprocedural cardiogenic shock, initial encounter
T81.11XD	Postprocedural cardiogenic shock, subsequent encounter
T81.11XS	Postprocedural cardiogenic shock, sequela
T81.12XA	Postprocedural septic shock, initial encounter
T81.12XD	Postprocedural septic shock, subsequent encounter
T81.12XS	Postprocedural septic shock, sequela
T81.19XA	Other postprocedural shock, initial encounter
T81.19XD	Other postprocedural shock, subsequent encounter
T81.19XS	Other postprocedural shock, sequela
T81.40XA	Infection following a procedure, unspecified, initial encounter
T81.40XD	Infection following a procedure, unspecified, subsequent encounter

CODE	DESCRIPTION
T81.40XS	Infection following a procedure, unspecified, sequela
T81.41XA	Infection following a procedure, superficial incisional surgical site, initial encounter
T81.41XD	Infection following a procedure, superficial incisional surgical site, subsequent encounter
T81.41XS	Infection following a procedure, superficial incisional surgical site, sequela
T81.42XA	Infection following a procedure, deep incisional surgical site, initial encounter
T81.42XD	Infection following a procedure, deep incisional surgical site, subsequent encounter
T81.42XS	Infection following a procedure, deep incisional surgical site, sequela
T81.43XA	Infection following a procedure, organ and space surgical site, initial encounter
T81.43XD	Infection following a procedure, organ and space surgical site, subsequent encounter
T81.43XS	Infection following a procedure, organ and space surgical site, sequela
T81.44XA	Sepsis following a procedure, initial encounter
T81.44XD	Sepsis following a procedure, subsequent encounter
T81.44XS	Sepsis following a procedure, sequela
T81.718A	Complication of other artery following a procedure, not elsewhere classified, initial encounter
T81.718D	Complication of other artery following a procedure, not elsewhere classified, subsequent encounter
T81.718S	Complication of other artery following a procedure, not elsewhere classified, sequela
CODE	DESCRIPTION
T81.719A	Complication of unspecified artery following a procedure, not elsewhere classified, initial encounter
T81.719D	Complication of unspecified artery following a procedure, not elsewhere classified, subsequent encounter
T81.719S	Complication of unspecified artery following a procedure, not elsewhere classified, sequela
T81.72XA	Complication of vein following a procedure, not elsewhere classified, initial encounter
T81.72XD	Complication of vein following a procedure, not elsewhere classified, subsequent encounter
T81.72XS	Complication of vein following a procedure, not elsewhere classified, sequela
T82.01XA	Breakdown (mechanical) of heart valve prosthesis, initial encounter
T82.01XD	Breakdown (mechanical) of heart valve prosthesis, subsequent encounter

CODE	DESCRIPTION
T82.01XS	Breakdown (mechanical) of heart valve prosthesis, sequela
T82.02XA	Displacement of heart valve prosthesis, initial encounter
T82.02XD	Displacement of heart valve prosthesis, subsequent encounter
T82.02XS	Displacement of heart valve prosthesis, sequela
T82.03XA	Leakage of heart valve prosthesis, initial encounter
T82.03XD	Leakage of heart valve prosthesis, subsequent encounter
T82.03XS	Leakage of heart valve prosthesis, sequela
T82.09XA	Other mechanical complication of heart valve prosthesis, initial encounter
T82.09XD	Other mechanical complication of heart valve prosthesis, subsequent encounter
T82.09XS	Other mechanical complication of heart valve prosthesis, sequela
T82.110A	Breakdown (mechanical) of cardiac electrode, initial encounter
T82.110D	Breakdown (mechanical) of cardiac electrode, subsequent encounter
T82.110S	Breakdown (mechanical) of cardiac electrode, sequela
T82.111A	Breakdown (mechanical) of cardiac pulse generator (battery), initial encounter
T82.111D	Breakdown (mechanical) of cardiac pulse generator (battery), subsequent encounter
T82.111S	Breakdown (mechanical) of cardiac pulse generator (battery), sequela
T82.118A	Breakdown (mechanical) of other cardiac electronic device, initial encounter
T82.118D	Breakdown (mechanical) of other cardiac electronic device, subsequent encounter
T82.118S	Breakdown (mechanical) of other cardiac electronic device, sequela
T82.119A	Breakdown (mechanical) of unspecified cardiac electronic device, initial encounter
T82.119D	Breakdown (mechanical) of unspecified cardiac electronic device, subsequent encounter
T82.119S	Breakdown (mechanical) of unspecified cardiac electronic device, sequela
T82.120A	Displacement of cardiac electrode, initial encounter
T82.120D	Displacement of cardiac electrode, subsequent encounter
T82.120S	Displacement of cardiac electrode, sequela
T82.121A	Displacement of cardiac pulse generator (battery), initial encounter
T82.121D	Displacement of cardiac pulse generator (battery), subsequent encounter
T82.121S	Displacement of cardiac pulse generator (battery), sequela
T82.128A	Displacement of other cardiac electronic device, initial encounter
T82.128D	Displacement of other cardiac electronic device, subsequent encounter
T82.128S	Displacement of other cardiac electronic device, sequela

CODE	DESCRIPTION
T82.129A	Displacement of unspecified cardiac electronic device, initial encounter
T82.129D	Displacement of unspecified cardiac electronic device, subsequent encounter
T82.129S	Displacement of unspecified cardiac electronic device, sequela
T82.190A	Other mechanical complication of cardiac electrode, initial encounter
T82.190D	Other mechanical complication of cardiac electrode, subsequent encounter
T82.190S	Other mechanical complication of cardiac electrode, sequela
T82.191A	Other mechanical complication of cardiac pulse generator (battery), initial encounter
T82.191D	Other mechanical complication of cardiac pulse generator (battery), subsequent encounter
T82.191S	Other mechanical complication of cardiac pulse generator (battery), sequela
T82.198A	Other mechanical complication of other cardiac electronic device, initial encounter
T82.198D	Other mechanical complication of other cardiac electronic device, subsequent encounter
T82.198S	Other mechanical complication of other cardiac electronic device, sequela
T82.199A	Other mechanical complication of unspecified cardiac device, initial encounter
T82.199D	Other mechanical complication of unspecified cardiac device, subsequent encounter
T82.199S	Other mechanical complication of unspecified cardiac device, sequela
T82.211A	Breakdown (mechanical) of coronary artery bypass graft, initial encounter
T82.211D	Breakdown (mechanical) of coronary artery bypass graft, subsequent encounter
T82.211S	Breakdown (mechanical) of coronary artery bypass graft, sequela
T82.212A	Displacement of coronary artery bypass graft, initial encounter
T82.212D	Displacement of coronary artery bypass graft, subsequent encounter
T82.212S	Displacement of coronary artery bypass graft, sequela
T82.213A	Leakage of coronary artery bypass graft, initial encounter
T82.213D	Leakage of coronary artery bypass graft, subsequent encounter
T82.213S	Leakage of coronary artery bypass graft, sequela
T82.218A	Other mechanical complication of coronary artery bypass graft, initial encounter
T82.218D	Other mechanical complication of coronary artery bypass graft, subsequent encounter
T82.218S	Other mechanical complication of coronary artery bypass graft, sequela
T82.221A	Breakdown (mechanical) of biological heart valve graft, initial encounter
T82.221D	Breakdown (mechanical) of biological heart valve graft, subsequent encounter
T82.221S	Breakdown (mechanical) of biological heart valve graft, sequela

CODE	DESCRIPTION
T82.222A	Displacement of biological heart valve graft, initial encounter
T82.222D	Displacement of biological heart valve graft, subsequent encounter
T82.222S	Displacement of biological heart valve graft, sequela
T82.223A	Leakage of biological heart valve graft, initial encounter
T82.223D	Leakage of biological heart valve graft, subsequent encounter
T82.223S	Leakage of biological heart valve graft, sequela
T82.228A	Other mechanical complication of biological heart valve graft, initial encounter
T82.228D	Other mechanical complication of biological heart valve graft, subsequent encounter
T82.228S	Other mechanical complication of biological heart valve graft, sequela
T82.310A	Breakdown (mechanical) of aortic (bifurcation) graft (replacement), initial encounter
T82.310D	Breakdown (mechanical) of aortic (bifurcation) graft (replacement), subsequent encounter
T82.310S	Breakdown (mechanical) of aortic (bifurcation) graft (replacement), sequela
T82.311A	Breakdown (mechanical) of carotid arterial graft (bypass), initial encounter
T82.311D	Breakdown (mechanical) of carotid arterial graft (bypass), subsequent encounter
T82.311S	Breakdown (mechanical) of carotid arterial graft (bypass), sequela
T82.312A	Breakdown (mechanical) of femoral arterial graft (bypass), initial encounter
T82.312D	Breakdown (mechanical) of femoral arterial graft (bypass), subsequent encounter
T82.312S	Breakdown (mechanical) of femoral arterial graft (bypass), sequela
T82.318A	Breakdown (mechanical) of other vascular grafts, initial encounter
T82.318D	Breakdown (mechanical) of other vascular grafts, subsequent encounter
T82.318S	Breakdown (mechanical) of other vascular grafts, sequela
T82.319A	Breakdown (mechanical) of unspecified vascular grafts, initial encounter
T82.319D	Breakdown (mechanical) of unspecified vascular grafts, subsequent encounter
T82.319S	Breakdown (mechanical) of unspecified vascular grafts, sequela
T82.320A	Displacement of aortic (bifurcation) graft (replacement), initial encounter
T82.320D	Displacement of aortic (bifurcation) graft (replacement), subsequent encounter
T82.320S	Displacement of aortic (bifurcation) graft (replacement), sequela
T82.321A	Displacement of carotid arterial graft (bypass), initial encounter
T82.321D	Displacement of carotid arterial graft (bypass), subsequent encounter
T82.321S	Displacement of carotid arterial graft (bypass), sequela
T82.322A	Displacement of femoral arterial graft (bypass), initial encounter

CODE	DESCRIPTION
T82.322D	Displacement of femoral arterial graft (bypass), subsequent encounter
T82.322S	Displacement of femoral arterial graft (bypass), sequela
T82.328A	Displacement of other vascular grafts, initial encounter
T82.328D	Displacement of other vascular grafts, subsequent encounter
T82.328S	Displacement of other vascular grafts, sequela
T82.329A	Displacement of unspecified vascular grafts, initial encounter
T82.329D	Displacement of unspecified vascular grafts, subsequent encounter
T82.329S	Displacement of unspecified vascular grafts, sequela
T82.330A	Leakage of aortic (bifurcation) graft (replacement), initial encounter
T82.330D	Leakage of aortic (bifurcation) graft (replacement), subsequent encounter
T82.330S	Leakage of aortic (bifurcation) graft (replacement), sequela
T82.331A	Leakage of carotid arterial graft (bypass), initial encounter
T82.331D	Leakage of carotid arterial graft (bypass), subsequent encounter
T82.331S	Leakage of carotid arterial graft (bypass), sequela
T82.332A	Leakage of femoral arterial graft (bypass), initial encounter
T82.332D	Leakage of femoral arterial graft (bypass), subsequent encounter
T82.332S	Leakage of femoral arterial graft (bypass), sequela
T82.338A	Leakage of other vascular grafts, initial encounter
T82.338D	Leakage of other vascular grafts, subsequent encounter
T82.338S	Leakage of other vascular grafts, sequela
T82.339A	Leakage of unspecified vascular graft, initial encounter
T82.339D	Leakage of unspecified vascular graft, subsequent encounter
T82.339S	Leakage of unspecified vascular graft, sequela
T82.390A	Other mechanical complication of aortic (bifurcation) graft (replacement), initial encounter
T82.390D	Other mechanical complication of aortic (bifurcation) graft (replacement), subsequent encounter
T82.390S	Other mechanical complication of aortic (bifurcation) graft (replacement), sequela
T82.391A	Other mechanical complication of carotid arterial graft (bypass), initial encounter
T82.391D	Other mechanical complication of carotid arterial graft (bypass), subsequent encounter
T82.391S	Other mechanical complication of carotid arterial graft (bypass), sequela
T82.392A	Other mechanical complication of femoral arterial graft (bypass), initial encounter

CODE	DESCRIPTION
T82.392D	Other mechanical complication of femoral arterial graft (bypass), subsequent encounter
T82.392S	Other mechanical complication of femoral arterial graft (bypass), sequela
T82.398A	Other mechanical complication of other vascular grafts, initial encounter
T82.398D	Other mechanical complication of other vascular grafts, subsequent encounter
T82.398S	Other mechanical complication of other vascular grafts, sequela
T82.399A	Other mechanical complication of unspecified vascular grafts, initial encounter
T82.399D	Other mechanical complication of unspecified vascular grafts, subsequent encounter
T82.399S	Other mechanical complication of unspecified vascular grafts, sequela
T82.41XA	Breakdown (mechanical) of vascular dialysis catheter, initial encounter
T82.41XD	Breakdown (mechanical) of vascular dialysis catheter, subsequent encounter
T82.41XS	Breakdown (mechanical) of vascular dialysis catheter, sequela
T82.42XA	Displacement of vascular dialysis catheter, initial encounter
T82.42XD	Displacement of vascular dialysis catheter, subsequent encounter
T82.42XS	Displacement of vascular dialysis catheter, sequela
T82.43XA	Leakage of vascular dialysis catheter, initial encounter
T82.43XD	Leakage of vascular dialysis catheter, subsequent encounter
T82.43XS	Leakage of vascular dialysis catheter, sequela
T82.49XA	Other complication of vascular dialysis catheter, initial encounter
T82.49XD	Other complication of vascular dialysis catheter, subsequent encounter
T82.49XS	Other complication of vascular dialysis catheter, sequela
T82.510A	Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter
T82.510D	Breakdown (mechanical) of surgically created arteriovenous fistula, subsequent encounter
T82.510S	Breakdown (mechanical) of surgically created arteriovenous fistula, sequela
T82.511A	Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter
T82.511D	Breakdown (mechanical) of surgically created arteriovenous shunt, subsequent encounter
T82.511S	Breakdown (mechanical) of surgically created arteriovenous shunt, sequela
T82.512A	Breakdown (mechanical) of artificial heart, initial encounter
T82.512D	Breakdown (mechanical) of artificial heart, subsequent encounter
T82.512S	Breakdown (mechanical) of artificial heart, sequela
T82.513A	Breakdown (mechanical) of balloon (counterpulsation) device, initial encounter

CODE	DESCRIPTION
T82.513D	Breakdown (mechanical) of balloon (counterpulsation) device, subsequent encounter
T82.513S	Breakdown (mechanical) of balloon (counterpulsation) device, sequela
T82.514A	Breakdown (mechanical) of infusion catheter, initial encounter
T82.514D	Breakdown (mechanical) of infusion catheter, subsequent encounter
T82.514S	Breakdown (mechanical) of infusion catheter, sequela
T82.515A	Breakdown (mechanical) of umbrella device, initial encounter
T82.515D	Breakdown (mechanical) of umbrella device, subsequent encounter
T82.515S	Breakdown (mechanical) of umbrella device, sequela
T82.518A	Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter
T82.518D	Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent encounter
T82.518S	Breakdown (mechanical) of other cardiac and vascular devices and implants, sequela
T82.519A	Breakdown (mechanical) of unspecified cardiac and vascular devices and implants, initial encounter
T82.519D	Breakdown (mechanical) of unspecified cardiac and vascular devices and implants, subsequent encounter
T82.519S	Breakdown (mechanical) of unspecified cardiac and vascular devices and implants, sequela
T82.520A	Displacement of surgically created arteriovenous fistula, initial encounter
T82.520D	Displacement of surgically created arteriovenous fistula, subsequent encounter
T82.520S	Displacement of surgically created arteriovenous fistula, sequela
T82.521A	Displacement of surgically created arteriovenous shunt, initial encounter
T82.521D	Displacement of surgically created arteriovenous shunt, subsequent encounter
T82.521S	Displacement of surgically created arteriovenous shunt, sequela
T82.522A	Displacement of artificial heart, initial encounter
T82.522D	Displacement of artificial heart, subsequent encounter
T82.522S	Displacement of artificial heart, sequela
T82.523A	Displacement of balloon (counterpulsation) device, initial encounter
T82.523D	Displacement of balloon (counterpulsation) device, subsequent encounter
T82.523S	Displacement of balloon (counterpulsation) device, sequela
T82.524A	Displacement of infusion catheter, initial encounter

CODE	DESCRIPTION
T82.524D	Displacement of infusion catheter, subsequent encounter
T82.524S	Displacement of infusion catheter, sequela
T82.525A	Displacement of umbrella device, initial encounter
T82.525D	Displacement of umbrella device, subsequent encounter
T82.525S	Displacement of umbrella device, sequela
T82.528A	Displacement of other cardiac and vascular devices and implants, initial encounter
T82.528D	Displacement of other cardiac and vascular devices and implants, subsequent encounter
T82.528S	Displacement of other cardiac and vascular devices and implants, sequela
T82.529A	Displacement of unspecified cardiac and vascular devices and implants, initial encounter
T82.529D	Displacement of unspecified cardiac and vascular devices and implants, subsequent encounter
T82.529S	Displacement of unspecified cardiac and vascular devices and implants, sequela
T82.530A	Leakage of surgically created arteriovenous fistula, initial encounter
T82.530D	Leakage of surgically created arteriovenous fistula, subsequent encounter
CODE	DESCRIPTION
T82.530S	Leakage of surgically created arteriovenous fistula, sequela
T82.531A	Leakage of surgically created arteriovenous shunt, initial encounter
T82.531D	Leakage of surgically created arteriovenous shunt, subsequent encounter
T82.531S	Leakage of surgically created arteriovenous shunt, sequela
T82.532A	Leakage of artificial heart, initial encounter
T82.532D	Leakage of artificial heart, subsequent encounter
T82.532S	Leakage of artificial heart, sequela
T82.533A	Leakage of balloon (counterpulsation) device, initial encounter
T82.533D	Leakage of balloon (counterpulsation) device, subsequent encounter
T82.533S	Leakage of balloon (counterpulsation) device, sequela
T82.534A	Leakage of infusion catheter, initial encounter
T82.534D	Leakage of infusion catheter, subsequent encounter
T82.534S	Leakage of infusion catheter, sequela
T82.535A	Leakage of umbrella device, initial encounter
T82.535D	Leakage of umbrella device, subsequent encounter
T82.535S	Leakage of umbrella device, sequela

CODE	DESCRIPTION
T82.538A	Leakage of other cardiac and vascular devices and implants, initial encounter
T82.538D	Leakage of other cardiac and vascular devices and implants, subsequent encounter
T82.538S	Leakage of other cardiac and vascular devices and implants, sequela
T82.539A	Leakage of unspecified cardiac and vascular devices and implants, initial encounter
T82.539D	Leakage of unspecified cardiac and vascular devices and implants, subsequent encounter
T82.539S	Leakage of unspecified cardiac and vascular devices and implants, sequela
T82.590A	Other mechanical complication of surgically created arteriovenous fistula, initial encounter
T82.590D	Other mechanical complication of surgically created arteriovenous fistula, subsequent encounter
T82.590S	Other mechanical complication of surgically created arteriovenous fistula, sequela
T82.591A	Other mechanical complication of surgically created arteriovenous shunt, initial encounter
T82.591D	Other mechanical complication of surgically created arteriovenous shunt, subsequent encounter
T82.591S	Other mechanical complication of surgically created arteriovenous shunt, sequela
T82.592A	Other mechanical complication of artificial heart, initial encounter
T82.592D	Other mechanical complication of artificial heart, subsequent encounter
T82.592S	Other mechanical complication of artificial heart, sequela
T82.593A	Other mechanical complication of balloon (counterpulsation) device, initial encounter
T82.593D	Other mechanical complication of balloon (counterpulsation) device, subsequent encounter
T82.593S	Other mechanical complication of balloon (counterpulsation) device, sequela
T82.594A	Other mechanical complication of infusion catheter, initial encounter
T82.594D	Other mechanical complication of infusion catheter, subsequent encounter
T82.594S	Other mechanical complication of infusion catheter, sequela
T82.595A	Other mechanical complication of umbrella device, initial encounter
T82.595D	Other mechanical complication of umbrella device, subsequent encounter
T82.595S	Other mechanical complication of umbrella device, sequela
T82.598A	Other mechanical complication of other cardiac and vascular devices and implants, initial encounter
T82.598D	Other mechanical complication of other cardiac and vascular devices and implants, subsequent encounter

CODE	DESCRIPTION
T82.598S	Other mechanical complication of other cardiac and vascular devices and implants, sequela
T82.599A	Other mechanical complication of unspecified cardiac and vascular devices and implants, initial encounter
T82.599D	Other mechanical complication of unspecified cardiac and vascular devices and implants, subsequent encounter
T82.599S	Other mechanical complication of unspecified cardiac and vascular devices and implants, sequela
T82.6XXA	Infection and inflammatory reaction due to cardiac valve prosthesis, initial encounter
T82.6XXD	Infection and inflammatory reaction due to cardiac valve prosthesis, subsequent encounter
T82.6XXS	Infection and inflammatory reaction due to cardiac valve prosthesis, sequela
T82.7XXA	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, initial encounter
T82.7XXD	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, subsequent encounter
T82.7XXS	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, sequela
T82.817A	Embolism due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.817D	Embolism due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.817S	Embolism due to cardiac prosthetic devices, implants and grafts, sequela
T82.827A	Fibrosis due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.827D	Fibrosis due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.827S	Fibrosis due to cardiac prosthetic devices, implants and grafts, sequela
T82.837A	Hemorrhage due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.837D	Hemorrhage due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.837S	Hemorrhage due to cardiac prosthetic devices, implants and grafts, sequela
T82.847A	Pain due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.847D	Pain due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.847S	Pain due to cardiac prosthetic devices, implants and grafts, sequela
T82.855A - T82.855S	Stenosis of coronary artery stent, initial encounter - Stenosis of coronary artery

CODE	DESCRIPTION
	stent, sequela
T82.856A - T82.856S	Stenosis of peripheral vascular stent, initial encounter - Stenosis of peripheral vascular stent, sequela
T82.857A	Stenosis of other cardiac prosthetic devices, implants and grafts, initial encounter
T82.857D	Stenosis of other cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.857S	Stenosis of other cardiac prosthetic devices, implants and grafts, sequela
T82.867A	Thrombosis due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.867D	Thrombosis due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.867S	Thrombosis due to cardiac prosthetic devices, implants and grafts, sequela
T82.897A	Other specified complication of cardiac prosthetic devices, implants and grafts, initial encounter
T82.897D	Other specified complication of cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.897S	Other specified complication of cardiac prosthetic devices, implants and grafts, sequela
T82.9XXA	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, initial encounter
T82.9XXD	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, subsequent encounter
T82.9XXS	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, sequela
T84.50XA	Infection and inflammatory reaction due to unspecified internal joint prosthesis, initial encounter
T84.50XD	Infection and inflammatory reaction due to unspecified internal joint prosthesis, subsequent encounter
T84.50XS	Infection and inflammatory reaction due to unspecified internal joint prosthesis, sequela
T84.51XA	Infection and inflammatory reaction due to internal right hip prosthesis, initial encounter
T84.51XD	Infection and inflammatory reaction due to internal right hip prosthesis, subsequent encounter
T84.51XS	Infection and inflammatory reaction due to internal right hip prosthesis, sequela
T84.52XA	Infection and inflammatory reaction due to internal left hip prosthesis, initial encounter

CODE	DESCRIPTION
T84.52XD	Infection and inflammatory reaction due to internal left hip prosthesis, subsequent encounter
T84.52XS	Infection and inflammatory reaction due to internal left hip prosthesis, sequela
T84.53XA	Infection and inflammatory reaction due to internal right knee prosthesis, initial encounter
T84.53XD	Infection and inflammatory reaction due to internal right knee prosthesis, subsequent encounter
T84.53XS	Infection and inflammatory reaction due to internal right knee prosthesis, sequela
T84.54XA	Infection and inflammatory reaction due to internal left knee prosthesis, initial encounter
T84.54XD	Infection and inflammatory reaction due to internal left knee prosthesis, subsequent encounter
T84.54XS	Infection and inflammatory reaction due to internal left knee prosthesis, sequela
T84.59XA	Infection and inflammatory reaction due to other internal joint prosthesis, initial encounter
T84.59XD	Infection and inflammatory reaction due to other internal joint prosthesis, subsequent encounter
T84.59XS	Infection and inflammatory reaction due to other internal joint prosthesis, sequela
T85.79XA	Infection and inflammatory reaction due to other internal prosthetic devices, implants and grafts, initial encounter
T85.79XD	Infection and inflammatory reaction due to other internal prosthetic devices, implants and grafts, subsequent encounter
T85.79XS	Infection and inflammatory reaction due to other internal prosthetic devices, implants and grafts, sequela
T86.20	Unspecified complication of heart transplant
CODE	DESCRIPTION
T86.21	Heart transplant rejection
T86.22	Heart transplant failure
T86.23	Heart transplant infection
T86.290	Cardiac allograft vasculopathy
T86.298	Other complications of heart transplant
T86.30	Unspecified complication of heart-lung transplant
T86.31	Heart-lung transplant rejection
T86.32	Heart-lung transplant failure
T86.33	Heart-lung transplant infection

CODE	DESCRIPTION
T86.39	Other complications of heart-lung transplant
T88.0XXA	Infection following immunization, initial encounter
T88.0XXD	Infection following immunization, subsequent encounter
T88.0XXS	Infection following immunization, sequela
T88.59XA	Other complications of anesthesia, initial encounter
T88.59XD	Other complications of anesthesia, subsequent encounter
T88.59XS	Other complications of anesthesia, sequela
Z01.30	Encounter for examination of blood pressure without abnormal findings
Z01.31	Encounter for examination of blood pressure with abnormal findings
Z01.810	Encounter for preprocedural cardiovascular examination
Z01.818	Encounter for other preprocedural examination
Z01.89	Encounter for other specified special examinations
Z08	Encounter for follow-up examination after completed treatment for malignant neoplasm
Z09	Encounter for follow-up examination after completed treatment for conditions other than malignant neoplasm
Z12.11	Encounter for screening for malignant neoplasm of colon
Z13.6	Encounter for screening for cardiovascular disorders
Z48.21	Encounter for aftercare following heart transplant
Z48.22	Encounter for aftercare following kidney transplant
Z48.23	Encounter for aftercare following liver transplant
Z48.24	Encounter for aftercare following lung transplant
Z48.280	Encounter for aftercare following heart-lung transplant
Z48.288	Encounter for aftercare following multiple organ transplant
Z48.290	Encounter for aftercare following bone marrow transplant
Z48.298	Encounter for aftercare following other organ transplant
Z51.11	Encounter for antineoplastic chemotherapy
Z51.81	Encounter for therapeutic drug level monitoring
Z52.89	Donor of other specified organs or tissues
Z79.3	Long term (current) use of hormonal contraceptives
Z79.891	Long term (current) use of opiate analgesic
Z79.899	Other long term (current) drug therapy

CODE	DESCRIPTION
Z86.73	Personal history of transient ischemic attack (TIA), and cerebral infarction without residual deficits
Z86.74	Personal history of sudden cardiac arrest
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
Z95.812	Presence of fully implantable artificial heart
Z98.890	Other specified postprocedural states

Group 2 Paragraph:

Applicable to codes 93303, 93304, C8921, C8922 (coverage criteria and diagnosis restrictions apply to both the base codes [listed above] and related add-on codes).

(When reporting add-on CPT codes 93319, 93320, 93321 and 93325, the same ICD-10-CM code should be used as that used for the base code to which it is attached):

Group 2 Codes: (152 Codes)

CODE	DESCRIPTION
D82.1	Di George's syndrome
P22.8	Other respiratory distress of newborn
P22.9	Respiratory distress of newborn, unspecified
P28.30	Primary sleep apnea of newborn, unspecified
P28.31	Primary central sleep apnea of newborn
P28.32	Primary obstructive sleep apnea of newborn
P28.33	Primary mixed sleep apnea of newborn
P28.39	Other primary sleep apnea of newborn
P28.40	Unspecified apnea of newborn
P28.41	Central neonatal apnea of newborn

CODE	DESCRIPTION
P28.42	Obstructive apnea of newborn
P28.43	Mixed neonatal apnea of newborn
P28.49	Other apnea of newborn
P28.89	Other specified respiratory conditions of newborn
P29.0	Neonatal cardiac failure
P29.11	Neonatal tachycardia
P29.12	Neonatal bradycardia
P29.2	Neonatal hypertension
P29.30	Pulmonary hypertension of newborn
P29.38	Other persistent fetal circulation
P29.4	Transient myocardial ischemia in newborn
P29.89	Other cardiovascular disorders originating in the perinatal period
P29.9	Cardiovascular disorder originating in the perinatal period, unspecified
P94.1	Congenital hypertonia
P94.2	Congenital hypotonia
P94.8	Other disorders of muscle tone of newborn
P94.9	Disorder of muscle tone of newborn, unspecified
P96.0	Congenital renal failure
P96.3	Wide cranial sutures of newborn
P96.5	Complication to newborn due to (fetal) intrauterine procedure
P96.89	Other specified conditions originating in the perinatal period
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
Q20.5	Discordant atrioventricular connection
Q20.6	Isomerism of atrial appendages
Q20.8	Other congenital malformations of cardiac chambers and connections
Q20.9	Congenital malformation of cardiac chambers and connections, unspecified
Q21.0	Ventricular septal defect
Q21.10	Atrial septal defect, unspecified

CODE	DESCRIPTION
Q21.11	Secundum atrial septal defect
Q21.12	Patent foramen ovale
Q21.13	Coronary sinus atrial septal defect
Q21.14	Superior sinus venosus atrial septal defect
Q21.15	Inferior sinus venosus atrial septal defect
Q21.16	Sinus venosus atrial septal defect, unspecified
Q21.19	Other specified atrial septal defect
Q21.20	Atrioventricular septal defect, unspecified as to partial or complete
Q21.21	Partial atrioventricular septal defect
Q21.22	Transitional atrioventricular septal defect
Q21.23	Complete atrioventricular septal defect
Q21.3	Tetralogy of Fallot
Q21.4	Aortopulmonary septal defect
Q21.8	Other congenital malformations of cardiac septa
Q21.9	Congenital malformation of cardiac septum, unspecified
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
Q22.9	Congenital malformation of tricuspid valve, unspecified
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
Q23.9	Congenital malformation of aortic and mitral valves, unspecified
Q24.0	Dextrocardia
Q24.1	Levocardia

CODE	DESCRIPTION
Q24.2	Cor triatriatum
Q24.3	Pulmonary infundibular stenosis
Q24.4	Congenital subaortic stenosis
Q24.5	Malformation of coronary vessels
Q24.6	Congenital heart block
Q24.8	Other specified congenital malformations of heart
Q24.9	Congenital malformation of heart, unspecified
Q25.0	Patent ductus arteriosus
Q25.1	Coarctation of aorta
Q25.21	Interruption of aortic arch
Q25.29	Other atresia of aorta
Q25.3	Supravalvular aortic stenosis
Q25.40 - Q25.49	Congenital malformation of aorta unspecified - 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
Q25.8	Other congenital malformations of other great arteries
Q25.9	Congenital malformation of great arteries, unspecified
Q26.0	Congenital stenosis of vena cava
Q26.1	Persistent left superior vena cava
Q26.2	Total anomalous pulmonary venous connection
Q26.3	Partial anomalous pulmonary venous connection
Q26.4	Anomalous pulmonary venous connection, unspecified
Q26.8	Other congenital malformations of great veins
Q26.9	Congenital malformation of great vein, unspecified
CODE	DESCRIPTION
Q27.0	Congenital absence and hypoplasia of umbilical artery
Q27.9	Congenital malformation of peripheral vascular system, unspecified
Q28.2	Arteriovenous malformation of cerebral vessels

CODE	DESCRIPTION
Q28.3	Other malformations of cerebral vessels
Q28.9	Congenital malformation of circulatory system, unspecified
Q30.0	Choanal atresia
Q33.2	Sequestration of lung
Q33.3	Agenesis of lung
Q33.6	Congenital hypoplasia and dysplasia of lung
Q40.1	Congenital hiatus hernia
Q67.6	Pectus excavatum
Q67.7	Pectus carinatum
Q87.40	Marfan syndrome, unspecified
Q87.410	Marfan syndrome with aortic dilation
Q87.418	Marfan syndrome with other cardiovascular manifestations
Q87.42	Marfan syndrome with ocular manifestations
Q87.43	Marfan syndrome with skeletal manifestation
Q89.01	Asplenia (congenital)
Q89.09	Congenital malformations of spleen
Q89.3	Situs inversus
Q89.7	Multiple congenital malformations, not elsewhere classified
Q89.9	Congenital malformation, unspecified
Q90.0	Trisomy 21, nonmosaicism (meiotic nondisjunction)
Q90.1	Trisomy 21, mosaicism (mitotic nondisjunction)
Q90.2	Trisomy 21, translocation
Q90.9	Down syndrome, unspecified
Q91.0	Trisomy 18, nonmosaicism (meiotic nondisjunction)
Q91.1	Trisomy 18, mosaicism (mitotic nondisjunction)
Q91.2	Trisomy 18, translocation
Q91.3	Trisomy 18, unspecified
Q91.4	Trisomy 13, nonmosaicism (meiotic nondisjunction)
Q91.5	Trisomy 13, mosaicism (mitotic nondisjunction)
Q91.6	Trisomy 13, translocation
Q91.7	Trisomy 13, unspecified
Q96.0	Karyotype 45, X

CODE	DESCRIPTION
Q96.1	Karyotype 46, X iso (Xq)
Q96.2	Karyotype 46, X with abnormal sex chromosome, except iso (Xq)
Q96.3	Mosaicism, 45, X/46, XX or XY
Q96.4	Mosaicism, 45, X/other cell line(s) with abnormal sex chromosome
Q96.8	Other variants of Turner's syndrome
Q96.9	Turner's syndrome, unspecified
R78.81	Bacteremia

Group 3 Paragraph:

Applicable to codes 93350, 93351, 93352, C8928, C8930 (coverage criteria and diagnosis restrictions apply to both the base codes [listed above] and related add-on codes):

Group 3 Codes: (343 Codes)

CODE	DESCRIPTION
A18.84	Tuberculosis of heart
I05.1	Rheumatic mitral insufficiency
I05.8	Other rheumatic mitral valve diseases
I06.0	Rheumatic aortic stenosis
I06.1	Rheumatic aortic insufficiency
I06.2	Rheumatic aortic stenosis with insufficiency
I08.0	Rheumatic disorders of both mitral and aortic valves
I08.2	Rheumatic disorders of both aortic and tricuspid valves
I08.8	Other rheumatic multiple valve diseases
I10	Essential (primary) hypertension
I20.0	Unstable angina
I20.1	Angina pectoris with documented spasm
I20.81	Angina pectoris with coronary microvascular dysfunction
I20.89	Other forms of angina pectoris
I20.9	Angina pectoris, unspecified
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

CODE	DESCRIPTION
	inferior wall
I21.29	ST elevation (STEMI) myocardial infarction involving other sites
I21.4	Non-ST elevation (NSTEMI) myocardial infarction
I21.9	Acute myocardial infarction, unspecified
I21.A1	Myocardial infarction type 2
I21.A9	Other myocardial infarction type
I21.B	Myocardial infarction with coronary microvascular dysfunction
I24.0	Acute coronary thrombosis not resulting in myocardial infarction
I24.1	Dressler's syndrome
I24.81	Acute coronary microvascular dysfunction
I24.89	Other forms of acute ischemic heart disease
I24.9	Acute ischemic heart disease, unspecified
I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris
I25.110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
I25.111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm
I25.118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris
I25.119	Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris
I25.2	Old myocardial infarction
I25.3	Aneurysm of heart
I25.41	Coronary artery aneurysm
I25.42	Coronary artery dissection
I25.5	Ischemic cardiomyopathy
I25.6	Silent myocardial ischemia
I25.700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris
I25.701	Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm
I25.708	Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris
I25.709	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris

CODE	DESCRIPTION
I25.710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris
I25.711	Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.718	Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris
I25.719	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris
I25.720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris
I25.721	Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.728	Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris
I25.729	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris
I25.730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris
I25.731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris
I25.739	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris
I25.750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina
I25.751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm
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
I25.760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina
I25.761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm
I25.768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris

CODE	DESCRIPTION
I25.769	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified 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
I25.798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris
I25.799	Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris
I25.810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris
I25.811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris
I25.812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris
I25.82	Chronic total occlusion of coronary artery
I25.89	Other forms of chronic ischemic heart disease
I25.9	Chronic ischemic heart disease, unspecified
I34.0	Nonrheumatic mitral (valve) insufficiency
I34.1	Nonrheumatic mitral (valve) prolapse
I34.2	Nonrheumatic mitral (valve) stenosis
I34.81	Nonrheumatic mitral (valve) annulus calcification
I34.89	Other nonrheumatic mitral valve disorders
I34.9	Nonrheumatic mitral valve disorder, unspecified
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
I35.9	Nonrheumatic aortic valve disorder, unspecified
I42.0	Dilated cardiomyopathy
I42.1	Obstructive hypertrophic cardiomyopathy
I42.2	Other hypertrophic cardiomyopathy
I42.4	Endocardial fibroelastosis
I42.5	Other restrictive cardiomyopathy

CODE	DESCRIPTION
I42.6	Alcoholic cardiomyopathy
I42.7	Cardiomyopathy due to drug and external agent
I42.8	Other cardiomyopathies
I42.9	Cardiomyopathy, unspecified
I43	Cardiomyopathy in diseases classified elsewhere
I44.4	Left anterior fascicular block
I44.5	Left posterior fascicular block
I44.60	Unspecified fascicular block
I44.69	Other fascicular block
I44.7	Left bundle-branch block, unspecified
I45.0	Right fascicular block
CODE	DESCRIPTION
I45.10	Unspecified right bundle-branch block
I45.19	Other right bundle-branch block
I48.91	Unspecified atrial fibrillation
I50.1	Left ventricular failure, unspecified
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
I50.810	Right heart failure, unspecified
I50.811	Acute right heart failure
I50.812	Chronic right heart failure

CODE	DESCRIPTION
I50.813	Acute on chronic right heart failure
I50.814	Right heart failure due to left heart failure
I50.82	Biventricular heart failure
I50.83	High output heart failure
I50.84	End stage heart failure
I50.89	Other heart failure
I50.9	Heart failure, unspecified
I51.7	Cardiomegaly
I97.0	Postcardiotomy syndrome
I97.110	Postprocedural cardiac insufficiency following cardiac surgery
I97.111	Postprocedural cardiac insufficiency following other 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
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
R00.2	Palpitations
R06.00	Dyspnea, unspecified
R06.01	Orthopnea
R06.02	Shortness of breath
R06.03	Acute respiratory distress
R06.09	Other forms of dyspnea
R06.83	Snoring
R06.89	Other abnormalities of breathing
R07.2	Precordial pain
R07.82	Intercostal pain
R07.89	Other chest pain
R07.9	Chest pain, unspecified
R55	Syncope and collapse
R94.31	Abnormal electrocardiogram [ECG] [EKG]
T82.310A	Breakdown (mechanical) of aortic (bifurcation) graft (replacement), initial encounter

CODE	DESCRIPTION
T82.310D	Breakdown (mechanical) of aortic (bifurcation) graft (replacement), subsequent encounter
T82.310S	Breakdown (mechanical) of aortic (bifurcation) graft (replacement), sequela
T82.311A	Breakdown (mechanical) of carotid arterial graft (bypass), initial encounter
T82.311D	Breakdown (mechanical) of carotid arterial graft (bypass), subsequent encounter
T82.311S	Breakdown (mechanical) of carotid arterial graft (bypass), sequela
T82.312A	Breakdown (mechanical) of femoral arterial graft (bypass), initial encounter
T82.312D	Breakdown (mechanical) of femoral arterial graft (bypass), subsequent encounter
T82.312S	Breakdown (mechanical) of femoral arterial graft (bypass), sequela
T82.318A	Breakdown (mechanical) of other vascular grafts, initial encounter
T82.318D	Breakdown (mechanical) of other vascular grafts, subsequent encounter
T82.318S	Breakdown (mechanical) of other vascular grafts, sequela
T82.319A	Breakdown (mechanical) of unspecified vascular grafts, initial encounter
T82.319D	Breakdown (mechanical) of unspecified vascular grafts, subsequent encounter
T82.319S	Breakdown (mechanical) of unspecified vascular grafts, sequela
T82.320A	Displacement of aortic (bifurcation) graft (replacement), initial encounter
T82.320D	Displacement of aortic (bifurcation) graft (replacement), subsequent encounter
T82.320S	Displacement of aortic (bifurcation) graft (replacement), sequela
T82.321A	Displacement of carotid arterial graft (bypass), initial encounter
T82.321D	Displacement of carotid arterial graft (bypass), subsequent encounter
T82.321S	Displacement of carotid arterial graft (bypass), sequela
T82.322A	Displacement of femoral arterial graft (bypass), initial encounter
T82.322D	Displacement of femoral arterial graft (bypass), subsequent encounter
T82.322S	Displacement of femoral arterial graft (bypass), sequela
T82.328A	Displacement of other vascular grafts, initial encounter
T82.328D	Displacement of other vascular grafts, subsequent encounter
T82.328S	Displacement of other vascular grafts, sequela
T82.329A	Displacement of unspecified vascular grafts, initial encounter
T82.329D	Displacement of unspecified vascular grafts, subsequent encounter
T82.329S	Displacement of unspecified vascular grafts, sequela
T82.330A	Leakage of aortic (bifurcation) graft (replacement), initial encounter
T82.330D	Leakage of aortic (bifurcation) graft (replacement), subsequent encounter

CODE	DESCRIPTION
T82.330S	Leakage of aortic (bifurcation) graft (replacement), sequela
T82.331A	Leakage of carotid arterial graft (bypass), initial encounter
T82.331D	Leakage of carotid arterial graft (bypass), subsequent encounter
T82.331S	Leakage of carotid arterial graft (bypass), sequela
T82.332A	Leakage of femoral arterial graft (bypass), initial encounter
T82.332D	Leakage of femoral arterial graft (bypass), subsequent encounter
T82.332S	Leakage of femoral arterial graft (bypass), sequela
T82.338A	Leakage of other vascular grafts, initial encounter
T82.338D	Leakage of other vascular grafts, subsequent encounter
T82.338S	Leakage of other vascular grafts, sequela
T82.339A	Leakage of unspecified vascular graft, initial encounter
T82.339D	Leakage of unspecified vascular graft, subsequent encounter
T82.339S	Leakage of unspecified vascular graft, sequela
T82.390A	Other mechanical complication of aortic (bifurcation) graft (replacement), initial encounter
T82.390D	Other mechanical complication of aortic (bifurcation) graft (replacement), subsequent encounter
T82.390S	Other mechanical complication of aortic (bifurcation) graft (replacement), sequela
T82.391A	Other mechanical complication of carotid arterial graft (bypass), initial encounter
T82.391D	Other mechanical complication of carotid arterial graft (bypass), subsequent encounter
CODE	DESCRIPTION
T82.391S	Other mechanical complication of carotid arterial graft (bypass), sequela
T82.392A	Other mechanical complication of femoral arterial graft (bypass), initial encounter
T82.392D	Other mechanical complication of femoral arterial graft (bypass), subsequent encounter
T82.392S	Other mechanical complication of femoral arterial graft (bypass), sequela
T82.398A	Other mechanical complication of other vascular grafts, initial encounter
T82.398D	Other mechanical complication of other vascular grafts, subsequent encounter
T82.398S	Other mechanical complication of other vascular grafts, sequela
T82.399A	Other mechanical complication of unspecified vascular grafts, initial encounter
T82.399D	Other mechanical complication of unspecified vascular grafts, subsequent encounter
T82.399S	Other mechanical complication of unspecified vascular grafts, sequela

CODE	DESCRIPTION
T82.41XA	Breakdown (mechanical) of vascular dialysis catheter, initial encounter
T82.41XD	Breakdown (mechanical) of vascular dialysis catheter, subsequent encounter
T82.41XS	Breakdown (mechanical) of vascular dialysis catheter, sequela
T82.42XA	Displacement of vascular dialysis catheter, initial encounter
T82.42XD	Displacement of vascular dialysis catheter, subsequent encounter
T82.42XS	Displacement of vascular dialysis catheter, sequela
T82.43XA	Leakage of vascular dialysis catheter, initial encounter
T82.43XD	Leakage of vascular dialysis catheter, subsequent encounter
T82.43XS	Leakage of vascular dialysis catheter, sequela
T82.49XA	Other complication of vascular dialysis catheter, initial encounter
T82.49XD	Other complication of vascular dialysis catheter, subsequent encounter
T82.49XS	Other complication of vascular dialysis catheter, sequela
T82.510A	Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter
T82.510D	Breakdown (mechanical) of surgically created arteriovenous fistula, subsequent encounter
T82.510S	Breakdown (mechanical) of surgically created arteriovenous fistula, sequela
T82.511A	Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter
T82.511D	Breakdown (mechanical) of surgically created arteriovenous shunt, subsequent encounter
T82.511S	Breakdown (mechanical) of surgically created arteriovenous shunt, sequela
T82.513A	Breakdown (mechanical) of balloon (counterpulsation) device, initial encounter
T82.513D	Breakdown (mechanical) of balloon (counterpulsation) device, subsequent encounter
T82.513S	Breakdown (mechanical) of balloon (counterpulsation) device, sequela
T82.514A	Breakdown (mechanical) of infusion catheter, initial encounter
T82.514D	Breakdown (mechanical) of infusion catheter, subsequent encounter
T82.514S	Breakdown (mechanical) of infusion catheter, sequela
T82.515A	Breakdown (mechanical) of umbrella device, initial encounter
T82.515D	Breakdown (mechanical) of umbrella device, subsequent encounter
T82.515S	Breakdown (mechanical) of umbrella device, sequela
T82.518A	Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter
T82.518D	Breakdown (mechanical) of other cardiac and vascular devices and implants,

CODE	DESCRIPTION
	subsequent encounter
T82.518S	Breakdown (mechanical) of other cardiac and vascular devices and implants, sequela
T82.520A	Displacement of surgically created arteriovenous fistula, initial encounter
T82.520D	Displacement of surgically created arteriovenous fistula, subsequent encounter
T82.520S	Displacement of surgically created arteriovenous fistula, sequela
T82.521A	Displacement of surgically created arteriovenous shunt, initial encounter
T82.521D	Displacement of surgically created arteriovenous shunt, subsequent encounter
T82.521S	Displacement of surgically created arteriovenous shunt, sequela
T82.523A	Displacement of balloon (counterpulsation) device, initial encounter
T82.523D	Displacement of balloon (counterpulsation) device, subsequent encounter
T82.523S	Displacement of balloon (counterpulsation) device, sequela
T82.524A	Displacement of infusion catheter, initial encounter
T82.524D	Displacement of infusion catheter, subsequent encounter
T82.524S	Displacement of infusion catheter, sequela
T82.525A	Displacement of umbrella device, initial encounter
T82.525D	Displacement of umbrella device, subsequent encounter
T82.525S	Displacement of umbrella device, sequela
T82.528A	Displacement of other cardiac and vascular devices and implants, initial encounter
T82.528D	Displacement of other cardiac and vascular devices and implants, subsequent encounter
T82.528S	Displacement of other cardiac and vascular devices and implants, sequela
T82.529A	Displacement of unspecified cardiac and vascular devices and implants, initial encounter
T82.529D	Displacement of unspecified cardiac and vascular devices and implants, subsequent encounter
T82.529S	Displacement of unspecified cardiac and vascular devices and implants, sequela
T82.530A	Leakage of surgically created arteriovenous fistula, initial encounter
T82.530D	Leakage of surgically created arteriovenous fistula, subsequent encounter
T82.530S	Leakage of surgically created arteriovenous fistula, sequela
T82.531A	Leakage of surgically created arteriovenous shunt, initial encounter
T82.531D	Leakage of surgically created arteriovenous shunt, subsequent encounter
T82.531S	Leakage of surgically created arteriovenous shunt, sequela

CODE	DESCRIPTION
T82.533A	Leakage of balloon (counterpulsation) device, initial encounter
T82.533D	Leakage of balloon (counterpulsation) device, subsequent encounter
T82.533S	Leakage of balloon (counterpulsation) device, sequela
T82.534A	Leakage of infusion catheter, initial encounter
T82.534D	Leakage of infusion catheter, subsequent encounter
T82.534S	Leakage of infusion catheter, sequela
T82.535A	Leakage of umbrella device, initial encounter
T82.535D	Leakage of umbrella device, subsequent encounter
T82.535S	Leakage of umbrella device, sequela
T82.538A	Leakage of other cardiac and vascular devices and implants, initial encounter
T82.538D	Leakage of other cardiac and vascular devices and implants, subsequent encounter
T82.538S	Leakage of other cardiac and vascular devices and implants, sequela
T82.590A	Other mechanical complication of surgically created arteriovenous fistula, initial encounter
T82.590D	Other mechanical complication of surgically created arteriovenous fistula, subsequent encounter
T82.590S	Other mechanical complication of surgically created arteriovenous fistula, sequela
T82.591A	Other mechanical complication of surgically created arteriovenous shunt, initial encounter
T82.591D	Other mechanical complication of surgically created arteriovenous shunt, subsequent encounter
T82.591S	Other mechanical complication of surgically created arteriovenous shunt, sequela
T82.593A	Other mechanical complication of balloon (counterpulsation) device, initial encounter
T82.593D	Other mechanical complication of balloon (counterpulsation) device, subsequent encounter
T82.593S	Other mechanical complication of balloon (counterpulsation) device, sequela
T82.594A	Other mechanical complication of infusion catheter, initial encounter
T82.594D	Other mechanical complication of infusion catheter, subsequent encounter
T82.594S	Other mechanical complication of infusion catheter, sequela
T82.595A	Other mechanical complication of umbrella device, initial encounter
T82.595D	Other mechanical complication of umbrella device, subsequent encounter
T82.595S	Other mechanical complication of umbrella device, sequela
T82.598A	Other mechanical complication of other cardiac and vascular devices and implants,

CODE	DESCRIPTION
	initial encounter
T82.598D	Other mechanical complication of other cardiac and vascular devices and implants, subsequent encounter
T82.598S	Other mechanical complication of other cardiac and vascular devices and implants, sequela
T82.817A	Embolism due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.817D	Embolism due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.817S	Embolism due to cardiac prosthetic devices, implants and grafts, sequela
CODE	DESCRIPTION
T82.827A	Fibrosis due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.827D	Fibrosis due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.827S	Fibrosis due to cardiac prosthetic devices, implants and grafts, sequela
T82.837A	Hemorrhage due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.837D	Hemorrhage due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.837S	Hemorrhage due to cardiac prosthetic devices, implants and grafts, sequela
T82.847A	Pain due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.847D	Pain due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.847S	Pain due to cardiac prosthetic devices, implants and grafts, sequela
T82.855A - T82.855S	Stenosis of coronary artery stent, initial encounter - Stenosis of coronary artery stent, sequela
T82.856A - T82.856S	Stenosis of peripheral vascular stent, initial encounter - Stenosis of peripheral vascular stent, sequela
T82.857A	Stenosis of other cardiac prosthetic devices, implants and grafts, initial encounter
T82.857D	Stenosis of other cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.857S	Stenosis of other cardiac prosthetic devices, implants and grafts, sequela
T82.867A	Thrombosis due to cardiac prosthetic devices, implants and grafts, initial encounter
T82.867D	Thrombosis due to cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.867S	Thrombosis due to cardiac prosthetic devices, implants and grafts, sequela
T82.897A	Other specified complication of cardiac prosthetic devices, implants and grafts, initial encounter

CODE	DESCRIPTION
T82.897D	Other specified complication of cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.897S	Other specified complication of cardiac prosthetic devices, implants and grafts, sequela
T82.9XXA	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, initial encounter
T82.9XXD	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, subsequent encounter
T82.9XXS	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, sequela
T86.20	Unspecified complication of heart transplant
T86.21	Heart transplant rejection
T86.22	Heart transplant failure
T86.23	Heart transplant infection
T86.290	Cardiac allograft vasculopathy
T86.298	Other complications of heart transplant
T86.30	Unspecified complication of heart-lung transplant
T86.31	Heart-lung transplant rejection
T86.32	Heart-lung transplant failure
T86.33	Heart-lung transplant infection
T86.39	Other complications of heart-lung transplant
Z01.810	Encounter for preprocedural cardiovascular examination
Z79.3	Long term (current) use of hormonal contraceptives
Z79.891	Long term (current) use of opiate analgesic
Z79.899	Other long term (current) drug therapy

Group 4 Paragraph:

The following diagnoses are covered for CPT codes 76376 and 76377 when performed for 3-D imaging following CPT codes 93303, 93304, 93306, 93307, or 93308:

ICD-10 codes I08.1, I08.3, I08.9, I34.0, I34.1, I34.8, and I34.9 are payable when billed with CPT codes 93306, 93307, or 93308 only.

ICD-10 code Q23.4 is payable when billed with CPT codes 93303, 93304 only.

Group 4 Codes: (24 Codes)

CODE	DESCRIPTION
I05.0	Rheumatic mitral stenosis
I05.1	Rheumatic mitral insufficiency
I05.2	Rheumatic mitral stenosis with insufficiency
I05.8	Other rheumatic mitral valve diseases
I05.9	Rheumatic mitral valve disease, unspecified
I08.0	Rheumatic disorders of both mitral and aortic valves
I08.1	Rheumatic disorders of both mitral 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
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
I33.0	Acute and subacute infective endocarditis
I34.0	Nonrheumatic mitral (valve) insufficiency
I34.1	Nonrheumatic mitral (valve) prolapse
I34.81	Nonrheumatic mitral (valve) annulus calcification
I34.89	Other nonrheumatic mitral valve disorders
I34.9	Nonrheumatic mitral valve disorder, unspecified
I39	Endocarditis and heart valve disorders in diseases classified elsewhere
I51.1	Rupture of chordae tendineae, not elsewhere classified
I51.2	Rupture of papillary muscle, not elsewhere classified
Q23.2	Congenital mitral stenosis
Q23.3	Congenital mitral insufficiency
Q23.4	Hypoplastic left heart syndrome

ICD-10-CM Codes that DO NOT Support Medical Necessity

N/A

ICD-10-PCS Codes

N/A

Additional ICD-10 Information

N/A

Bill Type Codes

Contractors may specify Bill Types to help providers identify those Bill Types typically used to report this service. Absence of a Bill Type does not guarantee that the article does not apply to that Bill Type. Complete absence of all Bill Types indicates that coverage is not influenced by Bill Type and the article should be assumed to apply equally to all claims.

N/A

Revenue Codes

Contractors may specify Revenue Codes to help providers identify those Revenue Codes typically used to report this service. In most instances Revenue Codes are purely advisory. Unless specified in the article, services reported under other Revenue Codes are equally subject to this coverage determination. Complete absence of all Revenue Codes indicates that coverage is not influenced by Revenue Code and the article should be assumed to apply equally to all Revenue Codes.

N/A

Other Coding Information

N/A

Revision History Information

REVISION HISTORY DATE	REVISION HISTORY NUMBER	REVISION HISTORY EXPLANATION
10/01/2024	R10	<p>Due to the annual ICD-10-CM update, effective for services rendered on or after 10/01/2024, the descriptions of the following codes in the ICD-10-CM Codes That Support Medical Necessity section- Group 1 have been changed: I26.93 and I26.94.</p> <p>Due to the annual ICD-10-CM update, code Q23.8 has been deleted from Groups 1 and 2, effective for services rendered on or after 10/01/2024.</p>

REVISION HISTORY DATE	REVISION HISTORY NUMBER	REVISION HISTORY EXPLANATION
03/21/2024	R9	Added the following ICD-10-CM codes to Group1- ICD-10-CM Codes that Support Medical Necessity section: I26.90, I26.93, I26.94, effective for services rendered on or after 3/21/2024.
10/01/2023	R8	Revision history for 10/1/2023 omitted ICD-10 code I21.B from additions for groups 1 and 3. Updated to indicate the article is an LCD reference article.
10/01/2023	R7	Due to the annual ICD-10 updates for 2024, the following coding has been revised: <ul style="list-style-type: none"> • ICD-10 code 120.8 has been deleted and codes I20.81 and I20.89 were added to groups 1 and 3. • ICD-10 code I24.8 has been deleted and codes I24.81 and I24.89 were added to groups 1 and 3. • ICD-10 code I47.1 has been deleted and codes I47.10, I47.11 and I47.19 were added to group 1. • ICD-10 codes A41.54, K68.2, K68.3 and R40.2A were added to group 1. • For the following ICD-10 codes, descriptions were changed in the in the Covered ICD-10 Codes field: <ul style="list-style-type: none"> I71.51 descriptor was changed in Group 1 I71.52 descriptor was changed in Group 1 I71.61 descriptor was changed in Group 1 I71.62 descriptor was changed in Group 1 Q87.40 descriptor was changed in Group 1 Q87.410 descriptor was changed in Group 1 Q87.418 descriptor was changed in Group 1 Q87.42 descriptor was changed in Group 1 Q87.43 descriptor was changed in Group 1 Q87.40 descriptor was changed in Group 2 Q87.410 descriptor was changed in Group 2 Q87.418 descriptor was changed in Group 2 Q87.42 descriptor was changed in Group 2 Q87.43 descriptor was changed in Group 2
10/01/2022	R6	ICD-10 codes I71.02 and I71.03 were added to Group 1 diagnoses after being omitted from the previous article version.
10/01/2022	R5	Due to the annual ICD-10 updates for 2023, these coding changes have been made:

REVISION HISTORY DATE	REVISION HISTORY NUMBER	REVISION HISTORY EXPLANATION
		<p><u>For group 1</u>, ICD-10 code I31.3 is deleted and replaced by I31.31 and I31.39;</p> <p>ICD-10 code I34.8 is deleted and replaced by I34.81 and I34.89;</p> <p>ICD-10 code I47.2 is deleted and replaced by I47.20, I47.21 and I47.29;</p> <p>ICD-10 code I71.01 is deleted and replaced by I71.010, I71.011, I71.012, and I71.019;</p> <p>ICD-10 code I71.1 is deleted and replaced by I71.10, I71.11, I71.12, and I71.13;</p> <p>ICD-10 code I71.2 is deleted and replaced by I71.20, I71.21, I71.22 and I71.23;</p> <p>ICD-10 code I71.5 is deleted and replaced by I71.50, I71. 51, and I71.52;</p> <p>ICD-10 code I71.6 is deleted and replaced by I71.60, I71.61, and I71.62;</p> <p>ICD-10 code Q21.1 is deleted and replaced by Q21.10, Q21.11, Q21.12, Q21.13, Q21.14, Q21.15, Q21.16 and Q21.19;</p> <p>ICD-10 code Q21.2 is deleted and replaced by Q21.20, Q21.21, Q21.22 and Q21.23;</p> <p>ICD-10 code I77.82 was added.</p> <p><u>For group 2</u>, ICD-10 code P28.3 is deleted and replaced by P28.30, P28.31, P28.32, P28.33 and P28.39;</p> <p>ICD-10 code P28.4 is deleted and replaced by P28.40, P28.41, P28.42, P28.43 and P28.49;</p> <p>ICD-10 code Q21.1 is deleted and replaced by Q21.10, Q21.11, Q21.12, Q21.13, Q21.14, Q21.15, Q21.16 and Q21.19;</p> <p>ICD-10 code Q21.2 is deleted and replaced by Q21.20, Q21.21, Q21.22 and Q21.23.</p> <p><u>For groups 3 and 4</u>, ICD-10 code I34.8 is deleted and replaced by I34.81 and I34.89.</p>
01/01/2022	R4	Due to the 2022 annual CPT updates, CPT code 93319 has been added to the list

REVISION HISTORY DATE	REVISION HISTORY NUMBER	REVISION HISTORY EXPLANATION
		of codes, guidelines, and to group 2 ICD-10 covered diagnoses.
03/19/2020	R3	Article revised to add ICD-10 codes I12.0, I12.9, I13.10 and I13.11 to Group 1. As a result of these additions, Group 3 became redundant and has been deleted. Groups 4 and 5 have been renumbered to Group 3 and 4.
10/01/2019	R2	Article revised for annual ICD-10 updates for 2020. ICD-10 codes I48.11, I48.19, I48.20, and I48.21 have replaced deleted codes I48.1 and I48.2 in Group 1. Reference to CPT code 75571 was deleted. The article was converted to the new Billing and Coding Article type. Bill types and Revenue codes have been removed from this article. Guidance on these codes is available in the Bill type and Revenue code sections.
08/01/2019	R1	Reinstated coding instructions for Group 1 ICD-10 codes that were omitted from the previous version of the article.

Associated Documents

Related Local Coverage Documents

LCDs

[L33577 - Transthoracic Echocardiography \(TTE\)](#)

Related National Coverage Documents

N/A

Statutory Requirements URLs

N/A

Rules and Regulations URLs

N/A

CMS Manual Explanations URLs

N/A

Other URLs

N/A

Public Versions

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03/07/2024	03/21/2024 - 09/30/2024	Superseded
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Keywords

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