

LCD for Cardiovascular Stress Testing (L28563)

Contractor Information

Contractor Name

Wisconsin Physicians Service Insurance Corporation

Contractor Number

00951, 00952, 00953, 00954, 52280, 05101, 05201, 05301, 05401, 05102, 05202, 05302, 05402

Contractor Type

Carrier – MAC – FI

LCD Information

LCD ID Number

L28563

LCD Title

Cardiovascular Stress Testing

Contractor's Determination Number

CV-004

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CMS National Coverage Policy

Title XVIII of the Social Security Act section 1862 (a)(1)(A). This section allows coverage and payment of those services that are considered to be medically reasonable and necessary.

Title XVIII of the Social Security Act section 1862 (a)(7). This section excludes routine physical examinations and services.

Title XVIII of the Social Security Act section 1833 (e). This section prohibits Medicare payment for any claim which lacks the necessary information to process the claim.

Oversight Region

Region V

Original Determination Effective Date

For services performed on or after 02/16/2009

Original Determination Ending Date**Revision Effective Date**

For services performed on or after 10/01/2009

Revision Ending Date**Indications and Limitations of Coverage and/or Medical Necessity**

LCD Abstract

Cardiovascular stress testing is a well-established procedure that has been in widespread clinical use for many decades. Stress testing is adjunctive to the history and physical examination in the diagnosis and treatment of the patient who has known or suspected heart disease. Cardiovascular stress testing uses cardiac physiological monitoring (including ECG, B/P and HR) during and after stress; with or without subsequent imaging such as echocardiography or nuclear cardiac imaging. Exercise testing is considered the standard of care for most patients when cardiovascular stress testing is indicated. Exercise may be in the form of a treadmill or cycle ergometry device. Pharmacologic agents are used when the patient is unable to perform exercise. Pharmacologic stress is typically performed with the use of dipyridamole, adenosine or dobutamine. A diseased heart responds abnormally to stress allowing a diagnostic determination to be made. Although exercise testing is generally a safe procedure, both myocardial infarction and death have been reported. Good clinical judgment, therefore, need to be used in deciding which patient should undergo exercise testing.

Indications and Limitations of Coverage and/or Medical Necessity

Cardiovascular stress testing is covered by Medicare when reasonable and necessary and in the absence of absolute contraindications. The safety of the patient must be assured.

A. Covered indications for cardiovascular stress testing include the following:

1. Exercise Testing in the Diagnosis of Obstructive Coronary Artery Disease.

- The vast majority of treadmill exercise testing is performed in adults with symptoms of known or suspected ischemic heart disease. The exercise test may be used if the diagnosis of CAD is uncertain. Myocardial ischemia is the most important cause of chest pain or discomfort and is most commonly a consequence of underlying coronary disease.

2. Risk Assessment and Prognosis in Patients with Symptoms or a Prior History of Coronary Artery Disease.

- Risk stratification with the exercise test does not take place in isolation but as part of a process that includes more readily accessible data from the clinical exam and other tests. Thus, the value of exercise testing for risk stratification must be considered in light of what is added to that which is already known about the patient's risk status.

-Unless cardiac catheterization is indicated, patients with suspected or known CAD and new or changing symptoms suggesting ischemia should undergo exercise testing to assess the risk of future cardiac events.

-There is no compelling evidence, in patient's who are classified as low risk based on clinical and exercise testing information, that an imaging modality adds significant new prognostic information to a standard exercise test.

- Exercise or pharmacologic stress testing should generally be an integral part of the evaluation of low-risk patients with unstable angina who are evaluated on an outpatient basis. In most cases testing should be performed within 72 hours of presentation.

- The results of exercise testing may be used to titrate medical therapy up to a desirable level. The other management step addressed by exercise testing is whether to proceed with additional testing. Patients with a low-risk exercise test result can be treated medically without need for referral to cardiac catheterization. Patients with high-risk exercise test should usually be referred for cardiac catheterization. Patients with an intermediate result should be referred for additional testing, either cardiac catheterization or an exercise imaging study.

3. After Myocardial Infarction:

The post-MI evaluation is limited by the severity of the disease.

- Exercise testing is useful in evaluation and treatment of patients after myocardial infarction. Exercise testing yields information on prognosis, functional capacity and assessment of adequacy of medical therapy and the need to employ other diagnostic or treatment options.

4. Valvular Heart Disease:

- In symptomatic patients with documented valvular stenosis or regurgitation, the course of treatment is usually clear and exercise testing is not required. The primary value of exercise testing in valvular heart disease is to objectively assess atypical symptoms, exercise capacity, and extent of disability, which may have implications for medical, surgical, and social decision making. This is particularly of importance in the elderly, who are often asymptomatic because they are inactive.

5. Exercise Testing Before and After Revascularization

- Patients who undergo myocardial revascularization should have documented ischemic or viable myocardium, especially if they are asymptomatic.

- There are two phases after revascularization. In the early phase the goal of exercise testing is to determine the immediate result of revascularization. In the second phase the goal is to assist in guiding an appropriate cardiac rehabilitation program and return-to-work decisions.

- After coronary bypass graft surgery, in symptomatic patients, exercise testing may be used to distinguish between cardiac and noncardiac causes of recurrent chest pain.

- Restenosis remains the single major limitation of percutaneous coronary intervention. Unfortunately, symptom status is an unreliable index to development of restenosis; many patients complain of noncardiac pain after angioplasty, and many persons experience silent ischemia. Silent restenosis is a common clinical manifestation, with 25% of asymptomatic patients documented as having ischemia on exercise testing. The exercise ECG is an insensitive predictor of restenosis, with sensitivities ranging from 40% to 55%, significantly less than those obtainable with SPECT or exercise echocardiography.

6. Investigation of Heart Rhythm Disturbances

- Use of exercise testing in patients with syncope may identify those with CAD, although this is usually not the cause of syncope.

- The usefulness of exercise testing in patients with VT is variable, according to the cause of the tachycardia.

- Exercise testing is useful as a prelude to electrophysiological testing. Testing may be of prognostic value in these patients: 12 month mortality is three times greater in persons exhibiting exercise-induced ectopy than those with ectopy at rest only.

- In patients on antiarrhythmic therapy, sustained exercise-induced VT is associated with a high risk of sudden death.

- Patients developing supraventricular arrhythmias during exercise often display marked tachycardia due to their heightened adrenergic state. In patients with Wolff-Parkinson-White syndrome, exercise testing may be used to help evaluate the risk of developing rapid ventricular response during atrial arrhythmias.

- In patients with atrial fibrillation, effective rate control at rest does not necessarily signify rate control during exercise and the titration of additional drugs may be facilitated by exercise testing.

- Exercise testing may distinguish resting bradycardia with a normal exercise heart rate response from sinus node dysfunction with resting bradycardia and in patients who fail to make an exercise response.

- The development of adaptive rate pacing using various physiologic sensors has led to study of the exercise response being an important constituent in fine-tuning these pacemakers.

7. Silent Ischemia

- To evaluate patients with previously documented silent ischemia where further therapeutic or clinical management decisions are expected.
- To evaluate patients in whom silent ischemia is considered highly probable (i.e. a patient with neuropathic interference with normal sensation of pain).

8. Evaluation of Hypertension

- Exercise testing has been used to identify patients with abnormal blood pressure response destined to develop hypertension. Identification of such patients may allow preventive measures that would delay or prevent the onset of this disease. Cardiovascular stress testing will be covered when the results of the exercise test are necessary for the management of the patient. Severe hypertension is a relative contraindication but when the benefit outweighs the risk, exercise testing could be appropriate. According to the ACC Guidelines, in asymptomatic normotensive subjects, an exaggerated peak exercise systolic blood pressure greater than 214 mm Hg, or elevated systolic and diastolic blood pressure at 3 minutes into recovery is associated with significant increased long-term risk for hypertension

B. The following services are considered not medically necessary:

1. Stimulus to motivate changes in lifestyle; e.g., weight loss or exercise programs do not meet the Medicare medical necessity criteria
2. Sports medicine
- 3 Routine follow-up tests for MI, CABG, or PTCA in the absence of symptoms or clinical indications (e.g., annual stress tests are not covered in the absence of individualized clinical indications).
4. Occupational fitness.

C. Contraindications

Absolute:

1. Acute myocardial infarction (within 2 days)
2. High-risk unstable angina i.e. Patients exhibiting signs of unstable progressive angina. This includes the patient who has long periods of angina of fairly recent onset while at rest.
3. Uncontrolled cardiac arrhythmias causing symptoms or hemodynamic compromise
4. Symptomatic severe aortic stenosis
5. Uncontrolled symptomatic heart failure
6. Acute pulmonary embolus or pulmonary infarction
7. Acute myocarditis or pericarditis
8. Acute aortic dissection
9. Patients with second- or third- degree heart block and patients with known severe left main disease.
10. Acutely ill patients, such as those with infections, hyperthyroidism, or severe anemia.

Relative (relative contraindications can be superseded if the benefits of exercise outweigh the risks.

1. Left main coronary stenosis
2. Moderate stenotic valvular heart disease
3. Electrolyte abnormalities
4. Severe arterial hypertension
5. Tachyarrhythmia/bradyarrhythmia
6. Hypertrophic cardiomyopathy or other forms of outflow obstruction

D. A preoperative cardiovascular stress test is reasonable and necessary only if there is a cardiac condition diagnosed or suspected that may affect the decision to operate or the choice of the operation. That condition must be identified on the claim, using an appropriate ICD-9-CM code. If such a condition does not exist, then preoperative testing is considered screening and is not a covered test.

E. Stress tests performed for the purposes of preoperative or other screening, or when done at the request of a third party (e.g., insurance exam, admission screening, occupational screening, etc.), or for other purposes not covered by Medicare, should not be submitted to Medicare. Screening for coronary disease; the presence of risk factors alone is not a Medicare-payable indication.

Claims for these services should not be submitted to Medicare. If the patient requests the claim to be submitted for a non-covered or screening denial, use the GY modifier to ensure an appropriate denial. An ICD-9 code to indicate a screening service (example: V70.0, V70.3, V70.5) must be the only code on the claim form if you wish to receive a non-covered denial using ICD-9 codes without the GY modifier

F. Stress testing by multiple modalities (e.g., treadmill ECG, echocardiogram, SPECT) for the same clinical event is covered only when the first modality was inconclusive or uninterpretable.

Stress testing can be performed in conjunction with other cardiac diagnostic tests when medically necessary, including echocardiography and nuclear medicine studies. The general rules of this policy apply, but refer to those specific policies for details of coverage. Only the most appropriate tests necessary to determine information should be performed. For coverage of echocardiography, including stress echo (93350), refer to policy CV026, Transthoracic Echocardiography.

G. Pharmacologic ECG stress testing is indicated only when the patient is unable to exercise adequately.

Documentation in the patient's record must clearly indicate that the patient is unable to exercise, as well as the reason(s) why the patient cannot undergo exercise stress testing. (A review of records may be performed to determine if drugs are being used appropriately.) The drugs used in cardiovascular testing are potent drugs with many side effects, and must be used with appropriate caution.

1. Dobutamine

- HCPCS code J1250 - per 250 mg

- Dosage is calculated according to the patient's weight (beginning at 5-10 mcg/kg/min) and increased (titrated) to reach the maximum heart rate for 2-5 minutes (for a 200-lb person, the total dose is not to exceed 35 mg).

2. Dipyridamole (Persantine)

- HCPCS code J1245 - per 10 mg

- Dosage is calculated according to the patient's weight (0.142 mg/kg/minute) and infused IV over approximately 4 minutes. The maximum dose is not to exceed 60 mg.

3. Adenosine (Adenoscan)

- HCPCS code J0152 - per 30mg

- Dosage is calculated according to the patient's weight (140 mcg/kg/minute) for 6 minutes. The total dose is not to exceed 0.84 mg/kg (for a 200-lb person, the total maximum dose would equal 76 mg).

Note: Code J0150 – Adenosine (Adenocard) 6mg. It is inappropriate to use this code when billing Medicare Part B in conjunction with a stress test. This drug is indicated for treatment of supraventricular tachycardia (SVT) 427.0, 427.31, 427.32 and will be denied as not medically necessary when billed in conjunction with cardiac stress testing.

4. Arbutamine

- HCPCS code J0395 - 1 mg

- The maximum infusion rate delivered by its accompanying device is 0.8 mg/kg/min and the maximum total dose is 10mcg/kg.

5. Regadenoson (Lexiscan)

- HCPCS codes J2785 (per 0.1 mg) /C9244 (per0.4mg)

- Recommended dose of Regadenoson (Lexiscan) is 5mL (0.4 mg Regadenoson) by rapid (approximately 10 seconds) injection; followed immediately by saline flush and radiopharmaceutical. Regadenoson (Lexiscan) is indicated for radionuclide myocardial perfusion imaging (MPI) in patients unable to undergo adequate exercise stress.

Since these drugs may be billed for indications other than pharmacological stress agents with cardiovascular testing, the use of these drugs is not subject to the list of diagnoses listed in ICD-9 Codes That Support Medical Necessity. There may be a payable diagnostic indication for stress testing listed that would be considered a contraindication for the use of a specified drug. In this case, the drug itself may be denied. The indications for the use of these drugs must be documented in the patient's record as well as the appropriate ICD-9 code that describes the patient's condition.

H. The place of service is limited to a hospital inpatient, hospital outpatient or in a physician- directed clinic (office).

I. Cardiac stress testing must be performed under the direct supervision of a physician who provides the following:

Medical expertise required for performance of the test

Medical treatment for complications and side effects of the test

Medical services required as part of the test such as injections of medications

Medical expertise in the interpretation of the test, some of which has to be provided during the test and before the patient is discharged from the testing suite

Direct supervision requires that the physician is present in the same office or suite as the patient and is immediately available, if needed, for emergencies or questions. The supervising physician is responsible for assuring that the non-physician performing the test is qualified.

Coding Information

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 policy does not apply to that Bill Type. Complete absence of all Bill Types indicates that coverage is not influenced by Bill Type and the policy should be assumed to apply equally to all claims.

12x	Hospital-inpatient or home health visits (Part B only)
13x	Hospital-outpatient (HHA-A also) (under OPPS 13X must be used for ASC claims submitted for OPPS payment -- eff. 7/00)
18x	Hospital-swing beds
21x	SNF-inpatient, Part A
71x	Clinic-rural health
75x	Clinic-CORF
83x	Special facility or ASC surgery-ambulatory surgical center (Discontinued for Hospitals Subject to Outpatient PPS; hospitals must use 13X for ASC claims submitted for OPPS payment -- eff. 7/00)
85x	Special facility or ASC surgery-rural primary care hospital (eff 10/94)

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 policy 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 policy should be assumed to apply equally to all 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 policy 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 policy should be assumed to apply equally to all Revenue Codes.

Note: We have identified the Type of Bill (TOB) and Revenue Center (RC) codes applicable for use with the CPT/HCPCS codes included in this LCD. Providers are reminded that not all CPT/HCPCS codes listed can be billed with all TOB and/or RC codes listed. CPT/HCPCS codes are required to be billed with specific TOB and RC codes. Providers are encouraged to refer to the CMS Internet Only Manual (IOM) Pub 100-04, Claims Processing Manual, for further guidance.

0480	Cardiology-general classification
0482	Cardiology-stress test
0636	Drugs requiring specific identification-detailed coding (eff 3/92)

CPT/HCPCS Codes

93015	CARDIOVASCULAR STRESS TEST USING MAXIMAL OR SUBMAXIMAL TREADMILL OR BICYCLE EXERCISE, CONTINUOUS ELECTROCARDIOGRAPHIC MONITORING, AND/OR PHARMACOLOGICAL STRESS; WITH PHYSICIAN SUPERVISION, WITH INTERPRETATION AND REPORT
93016	CARDIOVASCULAR STRESS TEST USING MAXIMAL OR SUBMAXIMAL TREADMILL OR BICYCLE EXERCISE, CONTINUOUS ELECTROCARDIOGRAPHIC MONITORING, AND/OR PHARMACOLOGICAL STRESS; PHYSICIAN SUPERVISION ONLY, WITHOUT INTERPRETATION AND REPORT
93017	CARDIOVASCULAR STRESS TEST USING MAXIMAL OR SUBMAXIMAL TREADMILL OR BICYCLE EXERCISE, CONTINUOUS ELECTROCARDIOGRAPHIC MONITORING, AND/OR PHARMACOLOGICAL STRESS; TRACING ONLY, WITHOUT INTERPRETATION AND REPORT
93018	CARDIOVASCULAR STRESS TEST USING MAXIMAL OR SUBMAXIMAL TREADMILL OR BICYCLE EXERCISE, CONTINUOUS ELECTROCARDIOGRAPHIC MONITORING, AND/OR PHARMACOLOGICAL STRESS; INTERPRETATION AND REPORT ONLY

93799	UNLISTED CARDIOVASCULAR SERVICE OR PROCEDURE
J0152	INJECTION, ADENOSINE FOR DIAGNOSTIC USE, 30 MG (NOT TO BE USED TO REPORT ANY ADENOSINE PHOSPHATE COMPOUNDS; INSTEAD USE A9270)
J0395	INJECTION, ARBUTAMINE HCL, 1 MG
J1245	INJECTION, DIPYRIDAMOLE, PER 10 MG
J1250	INJECTION, DOBUTAMINE HYDROCHLORIDE, PER 250 MG
J2785	INJECTION, REGADENOSON, 0.1 MG

ICD-9 Codes that Support Medical Necessity

ICD-9 Codes that Support Medical Necessity

Note: ICD-9 codes must be coded to the highest level of specificity.

249.00 - 249.91	SECONDARY DIABETES MELLITUS WITHOUT MENTION OF COMPLICATION, NOT STATED AS UNCONTROLLED, OR UNSPECIFIED - SECONDARY DIABETES MELLITUS WITH UNSPECIFIED COMPLICATION, UNCONTROLLED
250.90 - 250.93	DIABETES WITH UNSPECIFIED COMPLICATION, TYPE II OR UNSPECIFIED TYPE, NOT STATED AS UNCONTROLLED - DIABETES WITH UNSPECIFIED COMPLICATION, TYPE I [JUVENILE TYPE], UNCONTROLLED
394.0 - 394.9	MITRAL STENOSIS - OTHER AND UNSPECIFIED MITRAL VALVE DISEASES
395.0 - 395.2	RHEUMATIC AORTIC STENOSIS - RHEUMATIC AORTIC STENOSIS WITH INSUFFICIENCY
396.0 - 396.3	MITRAL VALVE STENOSIS AND AORTIC VALVE STENOSIS - MITRAL VALVE INSUFFICIENCY AND AORTIC VALVE INSUFFICIENCY
396.8	MULTIPLE INVOLVEMENT OF MITRAL AND AORTIC VALVES
401.1	BENIGN ESSENTIAL HYPERTENSION
401.9	UNSPECIFIED ESSENTIAL HYPERTENSION
410.02 - 410.82	ACUTE MYOCARDIAL INFARCTION OF ANTEROLATERAL WALL SUBSEQUENT EPISODE OF CARE - ACUTE MYOCARDIAL INFARCTION OF OTHER SPECIFIED SITES SUBSEQUENT EPISODE OF CARE
411.0	POSTMYOCARDIAL INFARCTION SYNDROME
411.1	INTERMEDIATE CORONARY SYNDROME
411.81	

ACUTE CORONARY OCCLUSION WITHOUT MYOCARDIAL INFARCTION

411.89

OTHER ACUTE AND SUBACUTE FORMS OF ISCHEMIC HEART DISEASE OTHER

413.0

ANGINA DECUBITUS

413.1

PRINZMETAL ANGINA

413.9

OTHER AND UNSPECIFIED ANGINA PECTORIS

414.00 - 414.05

CORONARY ATHEROSCLEROSIS OF UNSPECIFIED TYPE OF VESSEL NATIVE OR GRAFT - CORONARY ATHEROSCLEROSIS OF UNSPECIFIED BYPASS GRAFT

414.07

CORONARY ATHEROSCLEROSIS OF BYPASS GRAFT (ARTERY) (VEIN) OF TRANSPLANTED HEART

414.8

OTHER SPECIFIED FORMS OF CHRONIC ISCHEMIC HEART DISEASE

416.0 - 416.9

PRIMARY PULMONARY HYPERTENSION - CHRONIC PULMONARY HEART DISEASE UNSPECIFIED

424.0

MITRAL VALVE DISORDERS

424.1

AORTIC VALVE DISORDERS

424.2

TRICUSPID VALVE DISORDERS SPECIFIED AS NONRHEUMATIC

424.3

PULMONARY VALVE DISORDERS

425.0 - 425.9

ENDOMYOCARDIAL FIBROSIS - SECONDARY CARDIOMYOPATHY UNSPECIFIED

426.10 - 426.9

ATRIOVENTRICULAR BLOCK UNSPECIFIED - CONDUCTION DISORDER UNSPECIFIED

427.0 - 427.89

PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA - OTHER SPECIFIED CARDIAC DYSRHYTHMIAS

428.0 - 428.9

CONGESTIVE HEART FAILURE UNSPECIFIED - HEART FAILURE UNSPECIFIED

429.0

MYOCARDITIS UNSPECIFIED

429.1

MYOCARDIAL DEGENERATION

429.2

CARDIOVASCULAR DISEASE UNSPECIFIED

429.3

CARDIOMEGALY

429.4

FUNCTIONAL DISTURBANCES FOLLOWING CARDIAC SURGERY

429.83

TAKOTSUBO SYNDROME

433.10

OCCLUSION AND STENOSIS OF CAROTID ARTERY WITHOUT CEREBRAL INFARCTION

433.11

OCCLUSION AND STENOSIS OF CAROTID ARTERY
WITH CEREBRAL INFARCTION

440.0	ATHEROSCLEROSIS OF AORTA
440.20 - 440.9	ATHEROSCLEROSIS OF NATIVE ARTERIES OF THE EXTREMITIES UNSPECIFIED - GENERALIZED AND UNSPECIFIED ATHEROSCLEROSIS
441.00 - 441.9	DISSECTION OF AORTA ANEURYSM UNSPECIFIED SITE - AORTIC ANEURYSM OF UNSPECIFIED SITE WITHOUT RUPTURE
745.2 - 745.5	TETRALOGY OF FALLOT - OSTIUM SECUNDUM TYPE ATRIAL SEPTAL DEFECT
746.00 - 746.7	CONGENITAL PULMONARY VALVE ANOMALY UNSPECIFIED - HYPOPLASTIC LEFT HEART SYNDROME
746.81	SUBAORTIC STENOSIS CONGENITAL
746.85	CORONARY ARTERY ANOMALY CONGENITAL
780.2	SYNCOPE AND COLLAPSE
785.1	PALPITATIONS
786.02	ORTHOPNEA
786.05	SHORTNESS OF BREATH
786.09	RESPIRATORY ABNORMALITY OTHER
786.50	UNSPECIFIED CHEST PAIN
786.51	PRECORDIAL PAIN
786.59	OTHER CHEST PAIN
794.30	UNSPECIFIED ABNORMAL FUNCTION STUDY OF CARDIOVASCULAR SYSTEM
794.31	NONSPECIFIC ABNORMAL ELECTROCARDIOGRAM (ECG) (EKG)
995.20	UNSPECIFIED ADVERSE EFFECT OF UNSPECIFIED DRUG, MEDICINAL AND BIOLOGICAL SUBSTANCE
996.02	MECHANICAL COMPLICATION DUE TO HEART VALVE PROSTHESIS
996.03	MECHANICAL COMPLICATION DUE TO CORONARY BYPASS GRAFT
996.1	MECHANICAL COMPLICATION OF OTHER VASCULAR DEVICE IMPLANT AND GRAFT
996.61	INFECTION AND INFLAMMATORY REACTION DUE TO CARDIAC DEVICE IMPLANT AND GRAFT
996.71	OTHER COMPLICATIONS DUE TO HEART VALVE PROSTHESIS
996.72	OTHER COMPLICATIONS DUE TO OTHER CARDIAC DEVICE IMPLANT AND GRAFT

996.83	COMPLICATIONS OF TRANSPLANTED HEART
V42.1	HEART REPLACED BY TRANSPLANT
V42.2	HEART VALVE REPLACED BY TRANSPLANT
V43.3	HEART VALVE REPLACED BY OTHER MEANS
V45.81	POSTSURGICAL AORTOCORONARY BYPASS STATUS
V58.69	LONG-TERM (CURRENT) USE OF OTHER MEDICATIONS
V67.09	FOLLOW-UP EXAMINATION FOLLOWING OTHER SURGERY
V67.51	FOLLOW-UP EXAMINATION FOLLOWING COMPLETED TREATMENT WITH HIGH-RISK MEDICATION NOT ELSEWHERE CLASSIFIED
V72.81	PRE-OPERATIVE CARDIOVASCULAR EXAMINATION

Diagnoses that Support Medical Necessity

See those above

ICD-9 Codes that DO NOT Support Medical Necessity

Any codes not listed above

ICD-9 Codes that DO NOT Support Medical Necessity Asterisk Explanation

Diagnoses that DO NOT Support Medical Necessity

Any diagnoses not listed above

General Information

Documentation Requirements

The medical record must document the elements of the history, examination and/or test results that justify the diagnosis on the claim form. The clinical condition that is claimed to justify this test must be clearly documented in the record.

The rationale for selecting stress imaging instead of conventional stress ECG must be indicated in the record.

The rationale for performing both a stress echocardiogram and stress myocardial perfusion study on an individual patient must be indicated in the record.

The rationale for selecting pharmacologic stress rather than exercise stress must be indicated in the record.

The medical record must be made available to Medicare upon request.

The HCPCS/CPT code(s) may be subject to Correct Coding Initiative (CCI) edits. This policy does not take precedence over CCI edits. Please refer to the CCI for correct coding guidelines and specific applicable code combinations prior to billing Medicare.

When the documentation does not meet the criteria for the service rendered or the documentation does not establish the medical necessity for the services, such services will be denied as not reasonable and necessary under Section 1862(a)(1) of the Social Security Act.

When requesting a written redetermination, (formerly appeal) providers must include all relevant documentation with the request.

Appendices

Utilization Guidelines

Stress testing is covered only at a frequency appropriate for the patient's condition. Documentation in the patient's progress notes must indicate medical necessity for the frequency.

If V67.09 or V72.81 is used as the diagnosis, providers must include the date of the surgery and the procedure code for the surgery performed in Item 19 on the CMS-1500 claim form (or electronic equivalent) for payment.

Sources of Information and Basis for Decision

Rodgers, et al, CLINICAL COMPETENCE STATEMENT ON STRESS TESTING; JACC Vol. 36, 2000: 1441-53 (American College of Cardiology/American Heart Association Clinical Competence Statement on Stress Testing)

Gibbons et al, EXERCISE TESTING GUIDELINES; JACC Vol. 30, No. 1, July 1997:260-315 (ACC/AHA Guidelines for Exercise Testing)

ACC/AHA Task Force Report. Guidelines for Preoperative Cardiovascular Evaluation for Noncardiac Surgery; JACC 1996; 27(4): 910-948

ACC/AHA 2002 Guideline Update for Exercise Testing.

Drugs Facts and Comparisons; 2002

Advisory Committee Meeting Notes

Meeting Dates:

Wisconsin: 9/26/2008

Illinois: 9/17/2008

Michigan: 9/24/2008

Minnesota: 9/11/2008

Iowa 10/16/2008

Missouri 10/17/2008

Kansas 10/16/2008

Nebraska 10/16/2008

This policy does not reflect the sole opinion of the contractor or the Contractor Medical Director(s). Although the final decision rests with the contractor, this policy was developed in cooperation with the Carrier Advisory Committee(s), which include representatives of various medical specialty societies.

* An asterisk indicates a revision to that section of the policy.

This policy was presented at an open meeting on: 08/13/2008

Start Date of Comment Period

10/17/2008

End Date of Comment Period

12/03/2008

Start Date of Notice Period

01/01/2009

Revision History Number

5

Revision History Explanation

*10/01/2009 Removed the section on stress echocardiography including code 93350 and refer to policy CV026 for coverage of this test. Also, removed a reference to transesophageal echo in the coding section of the policy.

08/12/2009 Revision to revision history indicating effective dates of ICD-9 code changes:

Effective 05/01/2009 added complete range of codes for diabetes 249.00-250.93;

Effective 07/01/2009 Added code ICD-9 code V67.09

Correctly removed contract number 05392 effective 8/1/2009, as it is being combined with contractor number 05302 (WPS Part B MAC Missouri - Entire State.) JS 07/30/09

08/08/2009 - This policy was updated by the ICD-9 2009-2010 Annual Update.

Reason for Change

Last Reviewed On Date

09/03/2009

Related Documents

This LCD has no Related Documents.

LCD Attachments

[Coding and Billing Guidelines \(PDF - 33,200 bytes\)](#)

All Versions

Updated on 09/23/2009 with effective dates 10/01/2009 - N/A

Updated on 08/13/2009 with effective dates 08/01/2009 - 09/30/2009

Updated on 07/30/2009 with effective dates 08/01/2009 - N/A

Updated on 07/30/2009 with effective dates 02/16/2009 - 07/31/2009

Updated on 07/28/2009 with effective dates 02/16/2009 - N/A

Updated on 07/25/2009 with effective dates 02/16/2009 - N/A

Updated on 07/17/2009 with effective dates 02/16/2009 - N/A

Updated on 04/20/2009 with effective dates 02/16/2009 - N/A

Updated on 01/23/2009 with effective dates 02/16/2009 - N/A