

## Coronary Computed Tomography (64-Slice CT)

MPM 3.4

<b>Disclaimer</b>	<b>Refer to the member's specific benefit plan and <i>Schedule of Benefits</i> to determine coverage. This may not be a benefit on all plans or the plan may have broader or more limited benefits than those listed in this Medical Policy.</b>
<b>Description</b>	Coronary computer tomography (CCT) is a general phrase used to describe noninvasive imaging of the arteries with multislice CT (MSCT). CCT may reduce the need for invasive coronary angiography for certain patients. Visualizing cross-sections of coronary vessels is one of several applications for MSCT.
<b>Coverage Determination</b>	<p><b>Benefit Certification is required.</b></p> <p><b>Presbyterian Health Plan and Presbyterian Insurance Company, Inc. (Presbyterian) utilizes HealthHelp's Advanced Imaging Program. The guidelines in this Medical Policy apply only to ASO plans that do not participate in HealthHelp.</b></p> <p>To determine if an ASO plan is participating in HealthHelp, go to Presbyterian's website at: <a href="http://www.phs.org/phs/healthplans/providers/ProviderResources/index.htm">http://www.phs.org/phs/healthplans/providers/ProviderResources/index.htm</a> (scroll down to <i>Advanced Imaging Ordering Program</i> and click on <i>Health Help Participation Status</i>).</p> <p><b>All plans except ASOs that do not participate in HealthHelp:</b> Logon to Pres Online to submit a request, click on <i>HealthHelp</i>: <a href="https://ds.phs.org/preslogin/index.jsp">https://ds.phs.org/preslogin/index.jsp</a></p> <p><b>ASO plans (nonparticipating):</b> Logon to Pres Online to submit a request, click on <i>Pres Online Providers</i>: <a href="https://ds.phs.org/preslogin/index.jsp">https://ds.phs.org/preslogin/index.jsp</a></p> <p>CCT is covered for indications identified by the TrailBlazer Health Enterprises, LLC (regional Medicare contractor); the TrailBlazer Local Coverage Determination <i>Cardiac Computed Tomography (CCT)</i> (L26751) can be located at the following web address: <a href="http://www.cms.gov/mcd/viewlcd.asp?lcd_id=26751&amp;lcd_version=18&amp;basket=lc+d%3A26751%3A18%3A%3Cb%3E+Cardiac+Computed+Tomography+%28CCT%29+%2D+4X%2D53AB%2DR4%3C%2Fb%3E%3AMAC+%2D+Part+A%3A+TrailBlazer+Health+Enterprises%7C%7C+LLC+%2804101%29%3A">http://www.cms.gov/mcd/viewlcd.asp?lcd_id=26751&amp;lcd_version=18&amp;basket=lc+d%3A26751%3A18%3A%3Cb%3E+Cardiac+Computed+Tomography+%28CCT%29+%2D+4X%2D53AB%2DR4%3C%2Fb%3E%3AMAC+%2D+Part+A%3A+TrailBlazer+Health+Enterprises%7C%7C+LLC+%2804101%29%3A</a></p> <p>This technology has been reviewed by the Technology Assessment Committee and the Medical Policy Committee (formerly Benefit Documentation and Interpretation Committee).</p>

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[MPMPPC051014]

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**Exclusions**

- CCT is not covered for screening purposes.
- Routine screening with CCT or EBCT scanning for coronary artery calcium scoring is not a covered benefit. The evidence suggests that the harms of screening asymptomatic adults outweigh the benefits.<sup>2</sup>

**Coding**

**The coding listed in this Medical Policy is for reference only. Covered and non-covered codes are included in this list.**

<b>CPT Codes</b>	<b>Description</b>
71275	Computed tomographic angiography, chest (noncoronary) with contrast material(s), including non-contrast images, if performed, and image post-processing.
75571	Computed tomography, heart, without contrast material, with quantitative evaluation of coronary calcium.
75572	Computed tomography, heart, with contrast material, for evaluation of cardiac structure and morphology (including 3D image postprocessing, assessment of cardiac function, and evaluation of venous structures, if performed)
75573	Computed tomography, heart, with contrast material, for evaluation of cardiac structure and morphology in the setting of congenital heart disease (including 3D image postprocessing, assessment of LV cardiac function, RV structure and function and evaluation of venous structures, if performed)
75574	Computed tomographic angiography, heart, coronary arteries and bypass grafts (when present), with contrast material, including 3D image postprocessing (including evaluation of cardiac structure and morphology, assessment of cardiac function, and evaluation of venous structures, if performed)

<b>HCPCS® Codes</b>	<b>Description</b>
G0288	Reconstruction, computed tomographic angiography of aorta for surgical planning for vascular surgery

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ICD-9© Diagnosis Codes	Description
402.00 – 402.01	Malignant hypertensive heart disease without heart failure - Malignant hypertensive heart disease with heart failure
402.10 – 402.11	Benign hypertensive heart disease without heart failure - Benign hypertensive heart disease with heart failure
402.90 – 402.91	Unspecified hypertensive heart disease without heart failure – Unspecified hypertensive heart disease with heart failure
411.1	Intermediate coronary syndrome
411.81	Acute coronary occlusion without myocardial infarction
412	Old myocardial infarction
413.0–413.1	Angina pectoris
413.9	Other and unspecified angina pectoris
414.00– 414.07	Coronary atherosclerosis
414.10– 414.12	Aneurysm and dissection of the heart
414.19	Other aneurysm of the heart
414.3	Coronary atherosclerosis due to lipid rich plaque
414.8–414.9	Coronary atherosclerosis
415.0	Acute cor pulmonale
415.19	Other pulmonary embolism and infarction
416.0	Primary pulmonary hypertension
416.2	Chronic pulmonary embolism
417.0–417.1	Other diseases of pulmonary circulation
417.8–417.9	Other diseases of pulmonary circulation

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ICD-9© Diagnosis Codes	Description
425.0 – 425.5	Endomyocardial fibrosis – Alcoholic cardiomyopathy
425.7 – 425.9	Nutritional and metabolic cardiomyopathy – Secondary cardiomyopathy unspecified
435.2	Subclavian steal syndrome
441.00	Dissection of aorta unspecified site
441.01	Dissection thoracic aorta
441.1	Thoracic aneurysm, ruptured
518.5	Pulmonary insufficiency following trauma and surgery
745.0	Common truncus
745.10– 745.12	Transposition of great vessels
745.19	Other transposition of great vessels
745.2–745.5	Bulbus cordis anomalies and anomalies of cardiac septal closure
745.60– 745.61	Endocardial cushion defects
745.69	Other endocardial cushion defects
745.7–745.9	Bulbus cordis anomalies and anomalies of cardiac septal closure
746.00– 746.02	Anomalies of pulmonary valve
746.09	Other anomalies of pulmonary valve
746.1–746.7	Other congenital anomalies of heart
746.81– 746.87	Other specified anomalies of heart
746.89	Other specified anomalies of heart

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ICD-9© Diagnosis Codes	Description
746.9	Unspecified anomaly of heart
747.0	Patent ductus arteriosus
747.10– 747.11	Coarctation of aorta
747.20– 747.22	Other anomalies of aorta
747.29	Other anomalies of aorta
747.3	Anomalies of pulmonary artery
747.40– 747.42	Anomalies of great veins
747.49	Other anomalies of great veins
748.9	Unspecified congenital anomaly of respiratory system
786.02	Orthopnea
786.05	Shortness of breath
786.3	Hemoptysis
786.50 – 786.51	Chest pain, unspecified – Precordial pain
786.59	Other chest pain
794.30 – 794.31	Unspecified abnormal function study of cardiovascular system – nonspecific abnormal electrocardiogram (ECG) (EKG)
V72.81	Pre-operative cardiovascular examination

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- References:**
1. Trailblazer Health Enterprises, LLC, Local Coverage Determination L26751. Cardiac Computed Tomography (CCT). Revision Date 01-12-10.
  2. U.S. Preventive Services Task Force. Screening for Coronary Heart Disease: Recommendation Statement. February 2004.

**Approval Signatures:** **Clinical Quality Committee:** Mark Whitaker, MD

**Medical Director:** Albert Rizzoli, MD

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This Medical Policy is intended to represent clinical guidelines describing medical appropriateness and is developed to assist Presbyterian Health Plan and Presbyterian Insurance Company, Inc. (Presbyterian) Health Services staff and Presbyterian medical directors in determination of coverage. The Medical Policy is not a treatment guide and should not be used as such.

For those instances where a member does not meet the criteria described in these guidelines, additional information supporting medical necessity is welcome and may be utilized by the medical director in reviewing the case. Please note that all Presbyterian Medical Policies are available on the Internet at:

<http://www.phs.org/phs/healthplans/providers/healthservices/Medical/index.htm>

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