

HEALTH PLAN POLICY	
Policy Title: Cardiac CT Scans to Detect Coronary Calcium	Policy Number: MUM32 Revision: B
Department: Medical Management	Sub-Department: Utilization Management
Applies to Product Lines: <input type="checkbox"/> Medicaid <input checked="" type="checkbox"/> USFHP <input type="checkbox"/> Children’s Health Insurance Plan <input checked="" type="checkbox"/> Commercial Insured <input checked="" type="checkbox"/> Health Insurance Exchange <input type="checkbox"/> Non Insured Business <input checked="" type="checkbox"/> Medicare Advantage	
Origination/Effective Date: 02/22/2018	
Reviewed Date(s):	Revision Date(s): 04/24/2019, 05/14/2020

SCOPE:

This policy addresses the medical necessity of Cardiac CT scanning to determine Coronary Artery Calcification.

DEFINITIONS AND ACRONYMS:

- **American College of Cardiology/American Heart Association (ACC/AHA)**
- **Coronary CT Angiography (CCTA)**
- **Intermediate Risk** – Likelihood of coronary heart disease based on risk assessment based on age, blood pressure, cholesterol, smoking, diabetes & family history.
- **Journal of the American College of Cardiology (JACC)**
- **Multi Ethnic Study of Atherosclerosis (MESA)**

POLICY:

- A. Cardiac CT scanning is considered medically necessary ONLY in the following situation
 - Asymptomatic, intermediate risk individuals (10-20%) without prior cardiac testing
- B. Cardiac CT scanning is considered medically unnecessary in the following situations
 - Asymptomatic, low risk individuals (<10%)
 - Symptomatic individuals regardless of risk status
 - In conjunction with CCTA
- C. Cardiac CT scanning for coronary calcification has been studied & reported on in the literature since 2006. There is no Class 1 recommendation for this procedure by the ACC/AHA in the literature. There is a weaker Class 2B recommendation for asymptomatic, intermediate risk individuals. There has been no major change in thinking by the ACC/AHA in subsequent updates in 2010 & 2013. The basis of these recommendations is the MESA study which is still going on since 2000.

REFERENCES:

- Journal of the American College of Cardiology 2007: 49; 1860-1870 “Registry of 25,273 patients”
- Journal of the American College of Cardiology 2009: 53; 345-352 “MESA Study”

HEALTH PLAN POLICY

Policy Title: Cardiac CT Scans to Detect Coronary Calcium	Policy Number: MUM32 Revision: B
--	---

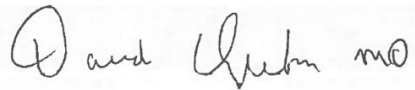
- New England Journal of Medicine, 2008; 358; 1336-1345; “Coronary Calcium in 4 Ethnic Groups”

RELATED DOCUMENTS:

None



Nancy Horstmann
Chief Executive Officer Health Plans



David Engleking, M.D.
Medical Director

REVISION HISTORY:

Revision	Date	Description of Change	Committee
New	02/22/2018	Initial release.	Executive Leadership
A	04/24/2019	Annual review. Removed Medicaid and CHIP from lines of business.	Executive Leadership
B	05/14/2020	Annual review. No change to policy content.	Executive Leadership