

Supplementary Online Content

Miedema MD, Dardari ZA, Nasir K, et al. Association of coronary artery calcium with long-term, cause-specific mortality among young adults. *JAMA Netw Open*. 2019;2(7):e197440. doi:10.1001/jamanetworkopen.2019.7440

eTable. Subdistribution Hazard Ratios for CHD and CVD Death and Hazard Ratios for All-Cause Mortality According to CAC in 22 346 Individuals age 30-49 Years Stratified by Lifetime Risk of CVD

eFigure. The Prevalence of CAC According to Age Stratified by Sex

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Subdistribution Hazard Ratios for CHD and CVD Death and Hazard Ratios for All-Cause Mortality According to CAC in 22 346 Individuals age 30-49 Years Stratified by Lifetime Risk of CVD

Low Lifetime Risk (n=8,113)	Unadjusted	Model 1	Model 2
CAC Prevalence*	CHD Death		
CAC 0	1.0	1.0	1.0
CAC 1-100	4.8 (0.79, 28.7)	3.1 (0.46, 20.5)	2.9 (0.44, 19.3)
CAC >100	8.1 (0.74, 89.0)	4.2 (0.28, 62.6)	3.7 (0.25, 55.4)
	CVD Death		
CAC 0	1.0	1.0	1.0
CAC 1-100	2.7 (0.91, 8.1)	2.2 (0.69, 6.8)	2.2 (0.69, 6.8)
CAC >100	7.0 (1.8, 27.2)	5.1 (1.1, 23.1)	5.0 (1.1, 23.4)
	All Cause Death		
CAC 0	1.0	1.0	1.0
CAC 1-100	1.4 (0.79, 2.4)	1.1 (0.64, 2.0)	1.1 (0.64, 2.0)
CAC >100	3.2 (1.5, 6.7)	2.3 (1.1, 5.0)	2.3 (1.04, 5.0)
High Lifetime Risk (n=14,233)			
CAC Prevalence*	Unadjusted	Model 1	Model 2
	CHD Death		
CAC 0	1.0	1.0	1.0
CAC 1-100	1.8 (0.78, 4.3)	1.7 (0.68, 4.0)	1.5 (0.61, 3.7)
CAC >100	8.2 (3.7, 18.3)	7.3 (3.1, 17.5)	5.8 (2.5, 13.6)
	CVD Death		
CAC 0	1.0	1.0	1.0
CAC 1-100	1.5 (0.88, 2.7)	1.5 (0.83, 2.7)	1.3 (0.75, 2.4)
CAC >100	4.1 (2.2, 7.4)	3.9 (2.0, 7.6)	3.1 (1.6, 5.9)
	All Cause Death		
CAC 0	1.0	1.0	1.0
CAC 1-100	1.3 (0.98, 1.8)	1.3 (0.98, 1.8)	1.3 (0.93, 1.7)
CAC >100	3.2 (2.3, 4.4)	3.1 (2.2, 4.4)	2.7 (1.9, 3.9)

* CAC Prevalence categorized according to Agatston scores of zero, 1-100, and >100
Hazard ratios (95% Confidence Intervals) are presented with 1.0 indicating the reference value

Abbreviations: CHD – Coronary Heart Disease; CVD – Cardiovascular Disease, CAC – Coronary Artery Calcium

Model 1 is adjusted for age and sex

Model 2 is adjusted for age, sex, hyperlipidemia, hypertension, smoking, diabetes, and a family history of CHD.

eFigure. The Prevalence of CAC According to Age Stratified by Sex

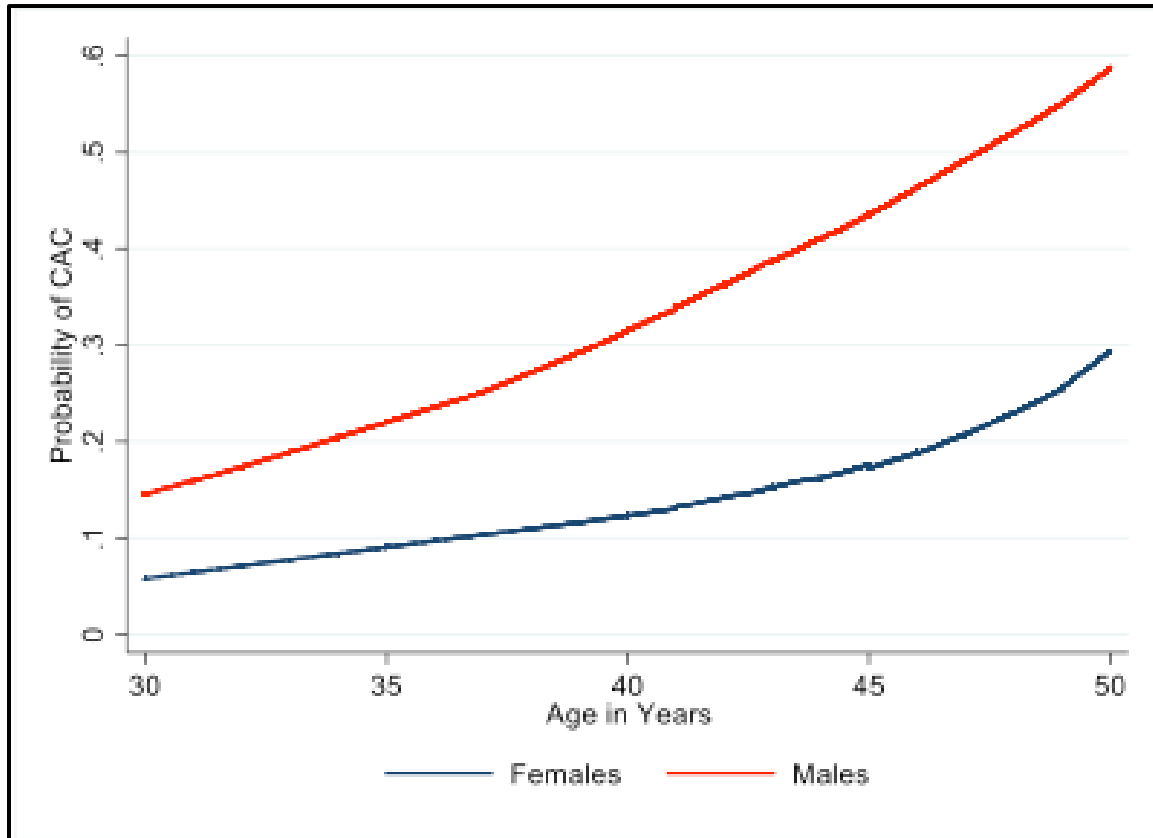


Figure Legend. The prevalence of CAC according to age and sex in 22,346 individuals 30-49 years old in the CAC consortium.

Abbreviation: Coronary Artery Calcium – CAC