

SUPPLEMENTARY DATA

Table 1 or Supplementary Table. HOMA quartile for the prediction of CAC incidence and progression in the Multi-Ethnic Study of Atherosclerosis.

	Model 1	Model 2	Model 3
Incident CAC			
<i>Relative Risk (95% CI)</i>			
▪ HOMA Q1	1 (ref)	1 (ref)	1 (ref)
▪ HOMA Q2	1.24 (0.98 – 1.56)	1.10 (0.87 – 1.41)	1.04 (0.81 – 1.32)
▪ HOMA Q3	1.53 (1.23 – 1.91)**	1.20 (0.94 – 1.54)	1.06 (0.82 – 1.37)
▪ HOMA Q4	1.78 (1.32 – 2.22)**	1.21 (0.92 – 1.61)	1.02 (0.77 – 1.35)
CAC Progression†			
<i>Δ Volume score/year (95% CI)</i>			
▪ HOMA Q1	1 (ref)	1 (ref)	1 (ref)
▪ HOMA Q2	3.9 (-3.3 – 11.0)	-0.7 (-8.2 – 6.7)	3.2 (-3.6 – 10.0)
▪ HOMA Q3	9.0 (1.9 – 16.1)*	-0.3 (-8.2 – 7.6)	5.1 (-2.2 – 12.4)
▪ HOMA Q4	11.5 (4.5 – 18.4)**	-3.0 (-11.8 – 5.8)	5.0 (-3.4 – 13.4)

HOMA quartiles: 1st quartile (0.14 – 0.79), 2nd quartile (0.80 – 1.24), 3rd quartile (1.24 – 2.03), 4th quartile (>2.03)

Model 1 = Adjusted for age, gender, race/ethnicity, MESA site, years between CAC scans

Model 2 = Model 1 + NCEP ATPIII metabolic syndrome components (waist circumference, impaired fasting glucose, low HDL-C, high triglycerides, hypertension [categorical])

Model 3 = Model 1 + NCEP ATPII metabolic syndrome components (continuous) except for impaired fasting glucose (categorical), diabetes, smoking, LDL-C, family history of CHD, cholesterol-lowering medications

† Additionally adjusted for log (baseline CAC) in the CAC progression model

* p<0.05

** p<0.005