

Triglyceride glucose index and smoking are linked to new coronary artery calcification after normal baseline scan

Running title: Risk factors for new onset of CAC and its severity

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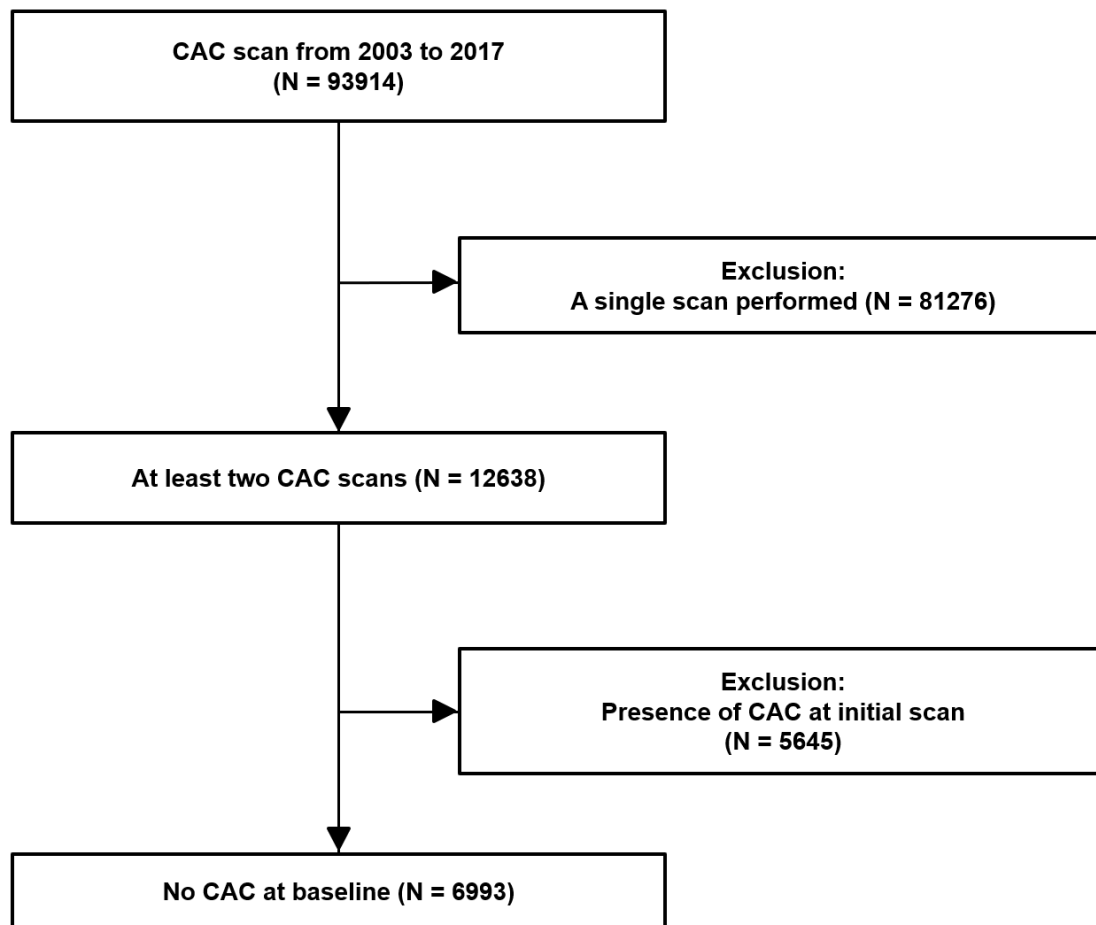
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Supplementary fig. 1. Overview of samples included from the study population



CAC, coronary artery calcification.

Supplementary table 1. Clinical factors at initial CT scan

Characteristics	Overall participants (N = 6993)
At initial CT scan	
SBP, mmHg	117.7 ± 14.5
DBP, mmHg	73.9 ± 10.6
BMI, kg/m ²	24.3 ± 2.8
Total cholesterol, mg/dL	197.4 ± 33.0
Triglycerides, mg/dL	137.6 ± 90.1
HDL-C, mg/dL	54.5 ± 16.8
LDL-C, mg/dL	120.8 ± 31.5
Glucose, mg/dL	94.6 ± 16.8
TyG index, units	8.6 ± 0.6
HbA1C, %	5.5 ± 0.6
Creatinine, mg/dL	0.9 ± 0.2

Values are presented as means ± standard deviations or number (%).

BMI body mass index; *CT* computed tomography; *DBP* diastolic blood pressure; *HbA1C* hemoglobin A1C; *HDL-C* high-density lipoprotein cholesterol; *LDL-C* low-density lipoprotein cholesterol; *SBP* systolic blood pressure; *TyG* triglyceride glucose.

Supplementary table 2. P for interactions of TyG index, HbA1C, and current smoking with age groups of <55 and ≥55 years

	Newly developed CAC	$\Delta\sqrt{\text{transformed}}$ CACs ≥ 2.5	CACS >100
TyG index, per 1-unit increase	0.285	0.219	0.026
HbA1C, per 1% increase	0.299	0.514	0.963
Current smoking	0.154	0.311	0.032

CACS coronary artery calcium score; HbA1C hemoglobin A1C; TyG triglyceride glucose.