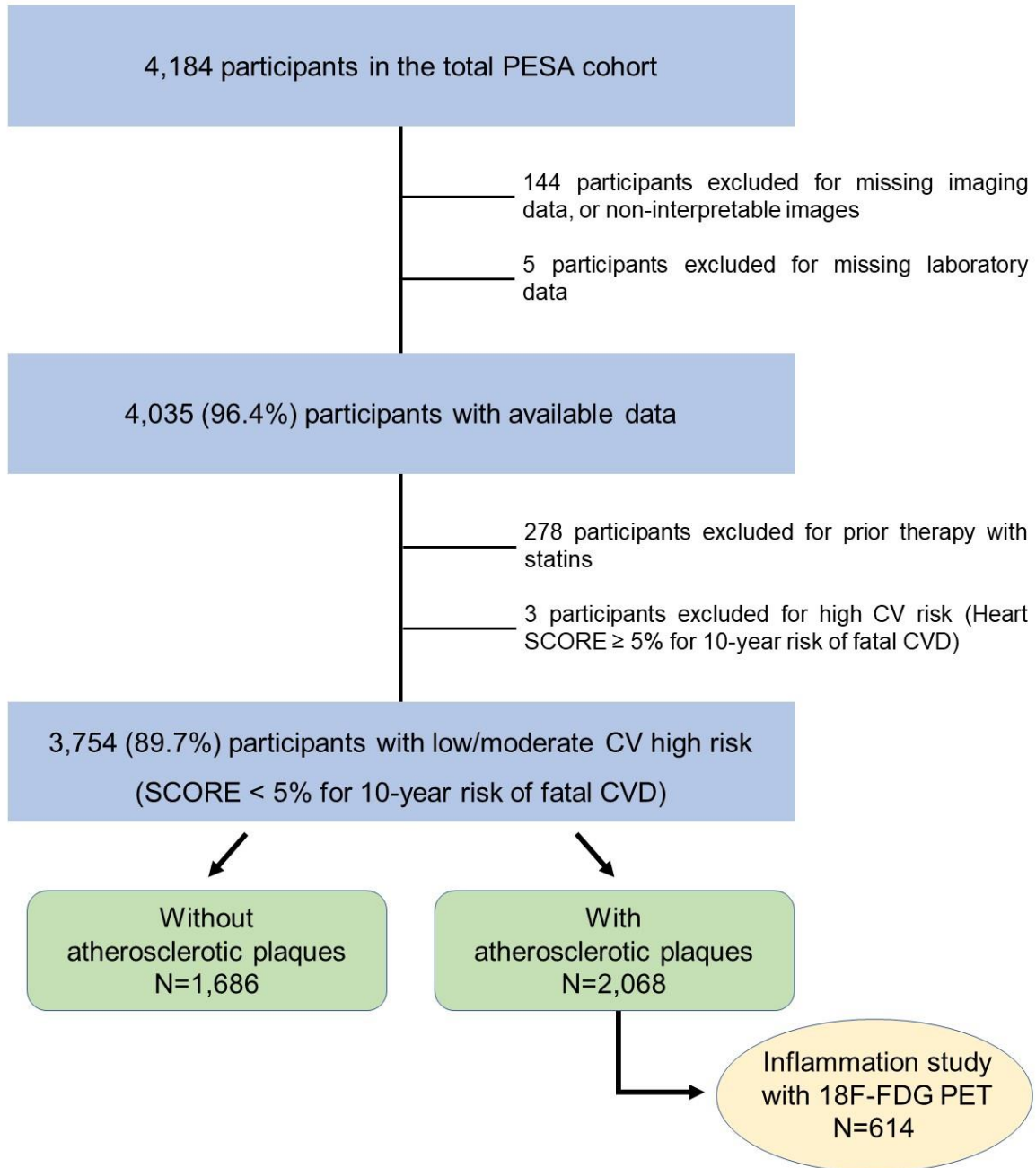# ON-LINE MATERIAL

eFigure 1. Study Population Flowchart.

eFigure 2. Interaction Between Cardiovascular Risk Factors and Triglycerides for the Prevalence of Subclinical Atherosclerosis.
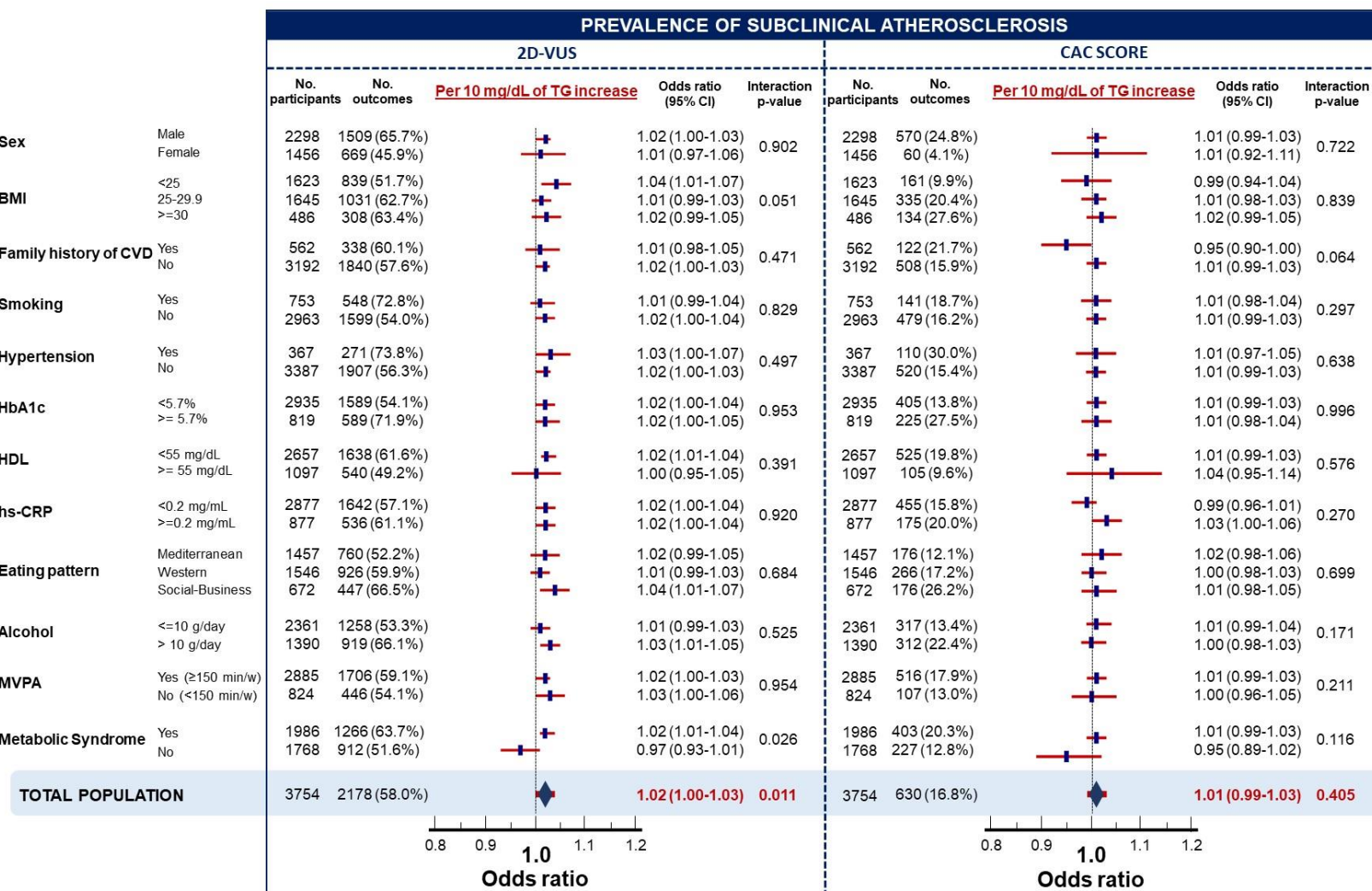
eFigure 3. Prevalence and Extension of Coronary Artery Calcium (CAC) Score According to Triglyceride Levels.

eFigure 4. Association Between Coronary Artery Calcium (CAC) Score and Triglyceride Levels by Groups of Low-Density Lipoprotein Cholesterol.

eFigure 1. Study Population Flowchart.

4,184 participants in the total PESA cohort

144 participants excluded for missing imaging data, or non-interpretable images

5 participants excluded for missing laboratory data

4,035 (96.4%) participants with available data

278 participants excluded for prior therapy with statins

3 participants excluded for high CV risk (Heart SCORE ≥ 5% for 10-year risk of fatal CVD)

3,754 (89.7%) participants with low/moderate CV high risk
(SCORE < 5% for 10-year risk of fatal CVD)

Without atherosclerotic plaques N=1,686

With atherosclerotic plaques N=2,068

Inflammation study with 18F-FDG PET N=614

eFigure 2. Interaction Between Cardiovascular Risk Factors and Triglycerides for the Prevalence of Subclinical Atherosclerosis.

		PREVALENCE OF SUBCLINICAL ATHEROSCLEROSIS								
		2D-VUS					**CAC SCORE**			
		No. participants	No. outcomes	Per 10 mg/dL of TG increase	Odds ratio (95% CI)	Interaction p-value	No. participants	No. outcomes	Per 10 mg/dL of TG increase	Odds ratio (95% CI)	Interaction p-value
Sex	Male	2298	1509 (65.7%)		1.02 (1.00-1.03)	0.902	2298	570 (24.8%)		1.01 (0.99-1.03)	0.722
	Female	1456	669 (45.9%)		1.01 (0.97-1.06)		1456	60 (4.1%)		1.01 (0.92-1.11)	
BMI	<25	1623	839 (51.7%)		1.04 (1.01-1.07)		1623	161 (9.9%)		0.99 (0.94-1.04)	
	25-29.9	1645	1031 (62.7%)		1.01 (0.99-1.03)	0.051	1645	335 (20.4%)		1.01 (0.98-1.03)	0.839
	>=30	486	308 (63.4%)		1.02 (0.99-1.05)		486	134 (27.6%)		1.02 (0.99-1.05)	
Family history of CVD	Yes	562	338 (60.1%)		1.01 (0.98-1.05)	0.471	562	122 (21.7%)		0.95 (0.90-1.00)	0.064
	No	3192	1840 (57.6%)		1.02 (1.00-1.03)		3192	508 (15.9%)		1.01 (0.99-1.03)	
Smoking	Yes	753	548 (72.8%)		1.01 (0.99-1.04)	0.829	753	141 (18.7%)		1.01 (0.98-1.04)	0.297
	No	2963	1599 (54.0%)		1.02 (1.00-1.04)		2963	479 (16.2%)		1.01 (0.99-1.03)	
Hypertension	Yes	367	271 (73.8%)		1.03 (1.00-1.07)	0.497	367	110 (30.0%)		1.01 (0.97-1.05)	0.638
	No	3387	1907 (56.3%)		1.02 (1.00-1.03)		3387	520 (15.4%)		1.01 (0.99-1.03)	
HbA1c	<5.7%	2935	1589 (54.1%)		1.02 (1.00-1.04)	0.953	2935	405 (13.8%)		1.01 (0.99-1.03)	0.996
	>= 5.7%	819	589 (71.9%)		1.02 (1.00-1.05)		819	225 (27.5%)		1.01 (0.98-1.04)	
HDL	<55 mg/dL	2657	1638 (61.6%)		1.02 (1.01-1.04)	0.391	2657	525 (19.8%)		1.01 (0.99-1.03)	0.576
	>= 55 mg/dL	1097	540 (49.2%)		1.00 (0.95-1.05)		1097	105 (9.6%)		1.04 (0.95-1.14)	
hs-CRP	<0.2 mg/mL	2877	1642 (57.1%)		1.02 (1.00-1.04)	0.920	2877	455 (15.8%)		0.99 (0.96-1.01)	0.270
	>=0.2 mg/mL	877	536 (61.1%)		1.02 (1.00-1.04)		877	175 (20.0%)		1.03 (1.00-1.06)	
Eating pattern	Mediterranean	1457	760 (52.2%)		1.02 (0.99-1.05)		1457	176 (12.1%)		1.02 (0.98-1.06)	
	Western	1546	926 (59.9%)		1.01 (0.99-1.03)	0.684	1546	266 (17.2%)		1.00 (0.98-1.03)	0.699
	Social-Business	672	447 (66.5%)		1.04 (1.01-1.07)		672	176 (26.2%)		1.01 (0.98-1.05)	
Alcohol	<=10 g/day	2361	1258 (53.3%)		1.01 (0.99-1.03)	0.525	2361	317 (13.4%)		1.01 (0.99-1.04)	0.171
	> 10 g/day	1390	919 (66.1%)		1.03 (1.01-1.05)		1390	312 (22.4%)		1.00 (0.98-1.03)	
MVPA	Yes (≥150 min/w)	2885	1706 (59.1%)		1.02 (1.00-1.03)	0.954	2885	516 (17.9%)		1.01 (0.99-1.03)	0.211
	No (<150 min/w)	824	446 (54.1%)		1.03 (1.00-1.06)		824	107 (13.0%)		1.00 (0.96-1.05)	
Metabolic Syndrome	Yes	1986	1266 (63.7%)		1.02 (1.01-1.04)	0.026	1986	403 (20.3%)		1.01 (0.99-1.03)	0.116
	No	1768	912 (51.6%)		0.97 (0.93-1.01)		1768	227 (12.8%)		0.95 (0.89-1.02)	
TOTAL POPULATION		3754	2178 (58.0%)		**1.02 (1.00-1.03)**	**0.011**	3754	630 (16.8%)		**1.01 (0.99-1.03)**	**0.405**

eFigure 3. Prevalence and Extension of Coronary Artery Calcium (CAC) Score According to Triglyceride Levels.

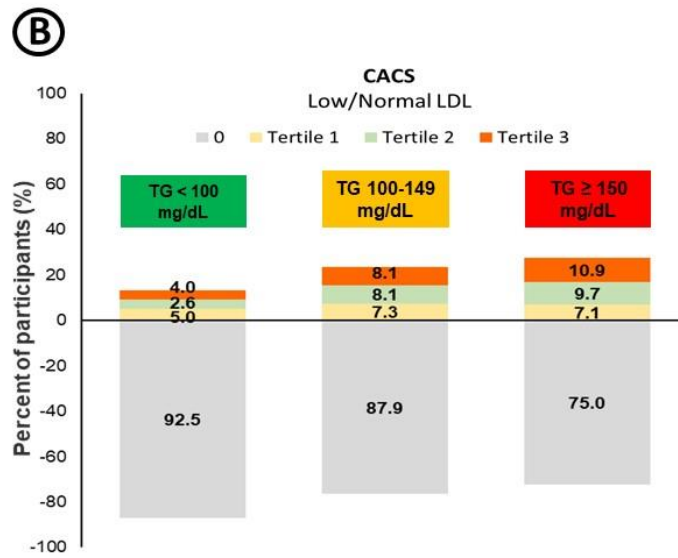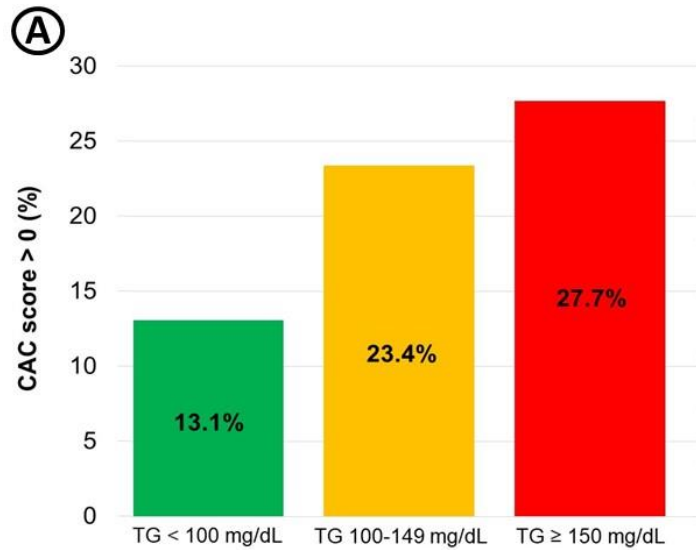**eFigure 4.** Association Between Coronary Artery Calcium (CAC) Score and Triglyceride Levels by Groups of Low-Density Lipoprotein Cholesterol.