

**Supplementary Table 1.** Multivariate Cox proportional-hazards model for all CVD by subgroup (age, sex, and Framingham Risk Score), adjusted for Framingham Risk Score.

All CVD	Hazard Ratio of log <sub>2</sub> sTNFR-1				P <sub>interaction</sub>
	N	HR	95% CI	P	
<b>Age ≥ 55 years</b>	812	2.68	(1.196, 6.021)	<b>0.017</b>	0.63
<b>Age &lt; 55 years</b>	659	10.0	(1.566, 64.45)	<b>0.015</b>	
<b>Male Sex</b>	528	3.50	(1.173, 10.447)	<b>0.025</b>	0.66
<b>Female Sex</b>	943	2.46	(0.968, 6.266)	0.059	
<b>10-Year Framingham Risk Score &lt; 7.5%</b>	728	2.51	(0.424, 14.808)	0.311	0.34
<b>10-Year Framingham Risk Score ≥ 7.5%</b>	743	2.66	(1.189, 5.939)	<b>0.017</b>	

**Supplementary Table 2.** Baseline characteristics of the subgroup of patients with CAC=0 with measured sTNFR-1 compared with all patients with CAC=0.

Patient Characteristics	All CAC = 0 (N=3390)	CAC = 0 with measured sTNFR-1 (N= 1471)	CAC = 0 without measured sTNFR-1 (N=1919)	p value
<b>Age (years, SD)</b>	57.9 (9.1)	57.6 (9.1)	58.2 (9.2)	0.075
<b>Sex</b>				
Male	1238 (36.5%)	528 (35.9%)	710 (37.0%)	0.531
Female	2152 (63.5%)	943 (64.1%)	1209 (63.0%)	
<b>Race</b>				
White	1120 (33.0%)	322 (21.9%)	798 (41.6%)	<0.001
African American	1062 (31.3%)	407 (27.7%)	655 (34.1%)	
Asian	393 (11.6%)	349 (23.7%)	44 (2.3%)	
Hispanic	815 (24.0%)	393 (26.7%)	422 (22.0%)	
<b>Hypertension</b>	2197 (64.8%)	958 (65.1%)	1239 (64.6%)	0.648
<b>Obesity</b>				0.298
BMI < 25	1009 (29.8%)	475 (32.3%)	534 (27.8%)	
BMI 25 - 30	1279 (37.7%)	560 (38.1%)	719 (37.5%)	
BMI 30 - 40	958 (28.3%)	380 (25.8%)	578 (30.1%)	
BMI > 40	144 (4.2%)	56 (3.8%)	88 (4.6%)	
<b>Diabetes mellitus, type II</b>				0.159
None	2656 (78.3%)	1139 (77.6%)	1517 (79.1%)	
Insulin Resistance (fasting glucose ≥ 100)	401 (11.8%)	195 (13.3%)	206 (10.7%)	
Diabetes, untreated (fasting glucose ≥ 126)	70 (2.06%)	31 (2.1%)	39 (2.0%)	
Diabetes, on treatment (fasting glucose ≥ 126)	249 (7.35%)	103 (7%)	146 (7.6%)	
<b>Current Smoker</b>	449 (13.2%)	201 (13.7%)	248 (12.9%)	0.562
<b>Family history of MI</b>	1192 (35.1%)	469 (33.8%)	723 (37.7%)	<0.001
<b>Lipid Profile (mg/dL, SD)</b>				
Low density lipoprotein cholesterol (LDL-C)	116.0 (30.9)	115.5 (30.0)	116.5 (31.6)	0.364
High density lipoprotein cholesterol (HDL-C)	52.6 (15.0)	52.1 (14.5)	53.0 (15.3)	0.053
Triglycerides (TG)	121.6 (64.5)	124.6 (65.2)	119.3 (63.8)	0.002
Total cholesterol (TC)	193.0 (34.2)	192.5 (33.0)	193.3 (35.2)	0.878