

Table 1. Characteristics of 10,373 primary prevention patients with prevalent CAC, stratified by mean calcium density and coronary plaque area

	All Participants (n=10,373)	Low Mean Calcium Density, Low Calcium Area (n=4,124)	High Mean Calcium Density, Low Calcium Area (n=1,024)	Low Mean Calcium Density, High Calcium Area (n=978)	High Mean Calcium Density, High Calcium Area (n=4,212)	P-Value ^a
Demographics						
Age, mean ± SD, years	56.7 ± 9.2	53.6 ± 8.7	55.5 ± 8.5	57.2 ± 8.5	59.8 ± 8.9	<0.001
Women, %	24.4	26.4	36.5	15.6	21.3	<0.001
Ethnicity, %						0.24
White	96.7	96.5	97.3	96.5	96.8	
Asian	0.7	0.7	0.6	0.6	0.7	
Black	0.4	0.3	0.4	1.0	0.3	
Hispanic	0.3	0.5	0.3	0.1	0.2	
Other	1.9	2.0	1.4	1.8	2.0	
Subclinical Atherosclerosis						
CAC, median (Q1, Q3), AU	68 (16, 253)	10 (3, 25)	42 (31, 55)	127 (89, 215)	310 (155, 680)	<0.001
CAC, AU, %						<0.001
1-99	57.7	99.9	100.0	34.4	11.0	
100-399	25.0	0.1	0.0	58.0	48.1	
>400	17.3	0.0	0.0	7.6	40.9	
Mean Calcium Density, median (Q1, Q3), HU	2.1 (1.7, 2.4)	1.7 (1.5, 1.8)	2.3 (2.2, 2.5)	1.9 (1.9, 2.0)	2.5 (2.3, 2.7)	<0.001
Mean Calcium Density, mean ± SD, HU	2.1 ± 4.9	1.7 ± 2.0	2.4 ± 2.7	1.9 ± 1.0	2.5 ± 3.6	<0.001
Total Coronary Calcium Area, median (Q1, Q3), mm ²	21.6 (5.3, 80.8)	3.6 (1.2, 8.4)	13.0 (8.8, 17.1)	41.7 (29.2, 67.4)	98.4 (50.0, 218.0)	<0.001
Total Coronary Calcium Area, mean ± SD, mm ²	81.6 ± 165.5	5.6 ± 5.4	13.0 ± 4.9	60.2 ± 51.9	178.2 ± 224.8	<0.001
ASCVD Risk Factors						
10-year ASCVD risk, median (%)	5.9 (3.1, 10.6)	4.2 (2.3, 7.8)	4.6 (2.5, 7.9)	7.1 (4.1, 11.7)	8.3 (4.5, 13.7)	<0.001
10-year ASCVD risk						<0.001
<5%	43.4	57.3	54.1	34.3	29.1	
5-7.5%	16.8	16.6	18.0	18.8	16.3	
7.5-20%	33.1	23.5	24.8	40.3	43.0	
≥20%	6.7	2.7	3.2	6.6	11.5	
Body Mass Index, mean ± SD, kg/m ²	28.9 ± 5.5	29.2 ± 5.7	27.8 ± 5.3	30.3 ± 5.8	28.5 ± 5.2	<0.001
Smoking, %	11.8	10.4	11.5	10.7	13.6	<0.001
Hypertension, %	28.0	24.0	21.7	34.5	32.1	<0.001
Hyperlipidemia, %	63.1	61.3	61.3	65.0	64.9	0.002
Lipid-lowering medication, %	24.8	20.7	19.6	29.0	29.0	<0.001
Diabetes, %	6.0	4.0	4.0	10.3	7.5	<0.001
Family History of CHD, %	51.5	52.7	47.2	50.8	51.6	0.02

^aANOVA for normally distributed continuous variables, Kruskal-Wallis test for non-normally distributed continuous variables, chi-square test for categorical variables