Table 2. Univariate and multivariate Cox proportional regression models for the first recurrent event.

| | Univariate | | Multivariate | | | | | | | | | | | | | | |
| | | | Model 0 | | Model 1 | | Model 2 Framingham-Wilson | | Model 3 REGICOR | | Model 4 SCORE[b] | | Model 5 SMART | | Model 6 REACH | | Model 7 B-TIMI | |
Variable	HR (CI95%)	p	HR (CI95%)	p	HR (CI95%)	p	HR (CI95%)	p	HR (CI95%)	p	HR (CI95%)	p	HR (CI95%)	p	HR (CI95%)	p	HR (CI95%)	p
Age (Δ 5 yr.)	1.15 (0.97-1.37)	0.100	1.18 (0.98-1.4)	0.074	1.06 (0.88-1.28)	0.515												
Sex (Ref. Female)	0.94 (0.51-1.73)	0.832	0.9 (0.48-1.7)	0.747	0.72 (0.37-1.4)	0.339												
Current smoker	1.97 (1.11-3.49)	0.020	1.81 (0.91-3.56)	0.089	1.57 (0.76-3.25)	0.226												
Total Cholesterol (Δ 0.26 mmol/L)	1.05 (0.99-1.11)	0.13	1.03 (0.96-1.1)	0.382	1.03 (0.96-1.1)	0.363												
LDL Cholesterol (Δ 0.26 mmol/L)	1.04 (0.97-1.12)	0.218																
HDL cholesterol (Δ 0.13 mmol/L)	1 (0.89-1.11)	0.936																
Hypertension	1.63 (0.92-2.89)	0.093	1.16 (0.6-2.22)	0.656	0.76 (0.38-1.53)	0.448												
Diabetes	2.55 (1.54-4.23)	<0.001	2.45 (1.39-4.31)	0.002	2.13 (1.15-3.94)	0.017												
Obesity (BMI ≥30 Kg/m2)	0.96 (0.56-1.64)	0.882																
Polyvascular disease																		
Two territories	1.81 (1-3.28)	0.0499			1.12 (0.53-2.35)	0.768	1.24 (0.63-2.43)	0.536	1.29 (0.65-2.56)	0.464	1.35 (0.69-2.64)	0.374					0.97 (0.49-1.93)	0.935
Three territories	5.6 (2.2-14.25)	<0.001			3.25 (1.07-9.89)	0.038	3.89 (1.36-11.1)	0.011	3.71 (1.32-10.42)	0.013	4.03 (1.42-11.4)	0.009					3.29 (1.18-9.13)	0.022
Albuminuria[a]	3.55 (2.06-6.11)	<0.001			2.54 (1.32-4.87)	0.005	2.55 (1.39-4.68)	0.003	2.68 (1.48-4.88)	0.001	2.56 (1.4-4.68)	0.002			2.75 (1.54-4.91)	0.001		
ABI ≤0.9 (on either side)	2.34 (1.41-3.86)	<0.001			1.38 (0.71-2.68)	0.341	1.35 (0.7-2.63)	0.369	1.45 (0.76-2.79)	0.261	1.42 (0.75-2.7)	0.278			1.37 (0.75-2.5)	0.312	1.55 (0.84-2.86)	0.161
Atrial fibrillation history	2.76 (1.31-5.82)	0.007			1.73 (0.74-4.04)	0.205	1.58 (0.69-3.65)	0.28	1.58 (0.68-3.67)	0.285	1.64 (0.71-3.78)	0.246					2.19 (1-4.8)	0.05
Heart Failure	3.11 (1.34-7.25)	0.0085			2.62 (1.05-6.55)	0.039	3.02 (1.21-7.51)	0.018	2.91 (1.16-7.32)	0.023	3.1 (1.26-7.63)	0.014						
Index event																		
Coronary	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-	Ref.	-
Cerebrovascular	1.07 (0.59-1.94)	0.822	0.9 (0.48-1.68)	0.737	1.26 (0.64-2.51)	0.503	1.45 (0.75-2.78)	0.268	1.47 (0.76-2.83)	0.25	1.43 (0.74-2.77)	0.287	1.28 (0.7-2.36)	0.42	1.33 (0.69-2.55)	0.392	1.33 (0.7-2.52)	0.389
Peripheral Artery Disease	2.27 (1.21-4.26)	0.010	1.43 (0.67-3.07)	0.354	1.32 (0.57-3.03)	0.516	1.86 (0.9-3.86)	0.094	1.96 (0.96-4.03)	0.066	1.89 (0.92-3.87)	0.083	1.9 (1-3.63)	0.05	1.68 (0.84-3.35)	0.139	1.14 (0.54-2.39)	0.731
Framingham-Wilson																		
<10%	Ref.	-					Ref.	-										
10-19%	1.19 (0.61-2.34)	0.612					0.84 (0.41-1.69)	0.615										
≥20%	3.08 (1.65-5.75)	<0.001					1.44 (0.7-2.94)	0.318										
REGICOR																		
<5%	Ref.	-							Ref.	-								
5-9%	1.63 (0.92-2.9)	0.097							1.14 (0.61-2.12)	0.691								
≥10%	2.71 (1.39-5.27)	0.003							1.25 (0.58-2.68)	0.574								
SCORE[b]																		
<1%	Ref.	-									Ref.	-						
1-4%	1.06 (0.48-2.31)	0.888									0.74 (0.33-1.69)	0.478						
≥5%	2.14 (1.01-4.5)	0.0461									1.11 (0.5-2.47)	0.793						
SMART (points)																		
<8	Ref.	-											Ref.	-				
8-10	1.18 (0.5-2.76)	0.705											1.26 (0.53-2.98)	0.596				
≥11	3.17 (1.55-6.5)	0.001											3.11 (1.34-7.23)	0.008				
REACH[c]																		
<5%															Ref.	-		
5-10%	1.52 (0.82-2.82)	0.189													1.05 (0.54-2.03)	0.891		
>10%	5.74 (2.83-11.7)	<0.001													3.07 (1.38-6.86)	0.006		

B-TIMI (points)									
<1								Ref.	-
1-2	0.99 (0.24-4.19)	0.995						1 (0.23-4.37)	0.999
≥3	3.68 (0.88-15.3)	0.074						2.79 (0.62-12.58)	0.182
Grønnesby and Borgan's omnibus test (p)			0.83	0.185	0.254	0.055	0.778	0.216	0.12
R^2 de Nagelkerke			0.179	0.148	0.146	0.145	0.087	0.127	0.128

FRAM-Wilson: Framingham Wilson; REGICOR: Registre GironI del Cor; SCORE: Systematic COronary Risk Evaluation; SMART: Second manifestations of ARTerial disease; REACH: REduction of Atherothrombosis for Continued Health Registry; TIMI: Thrombolysis In Myocardial Infarction – TIMI Study Group; ABI: Ankle/Brachial index; BMI: Body Max Index.

[a] Albuminuria: Albumin/creatine ratio >3.4 mg/mmol.

[b] SCORE risk for diabetic patients was obtained multiplying the score risk function by 3 in men and by 5 in women.

[c] REACH. Stratification based on risk function to estimate the next cardiovascular event.

Table 5. Risk stratification according to usual cut-off points for risk function/score Framingham, REGICOR, SCORE, REACH, TIMI and SMART by index event.

Risk function/score	Absolute Risk	Global (n = 268)	Coronary (n = 141; 52,6 %)	Cerebrovascular (n = 86; 32.1%)	Peripheral Artery Disease (n = 41; 15,3%)	p
Framingham-Wilson	<10%	105 (39.2%)	66 (46.8%)	31 (36%)	8 (19.5%)	<0.001
	[10-19%)	97 (36.2%)	54 (38.3%)	33 (38.4%)	10 (24.4%)	
	≥20%	66 (24.6%)	21 (14.9%)	22 (25.6%)	23 (56.1%)	
REGICOR	<5%	151 (56.3%)	92 (65.2%)	46 (53.5%)	13 (31.7%)	<0.001
	[5-9)%	83 (31%)	41 (29.1%)	27 (31.4%)	15 (36.6%)	
	≥10%	34 (12.7%)	8 (5.7%)	13 (15.1%)	13 (31.7%)	
SCORE[a]	<1%	56 (20.9%)	35 (24.8%)	14 (16.3%)	7 (17.1%)	0.001
	[1-4%)	117 (43.7%)	71 (50.4%)	36 (41.9%)	10 (24.4%)	
	≥5%	95 (35.4%)	35 (24.8%)	36 (41.9%)	24 (58.5%)	
REACH	<5%	102 (37.9%)	71 (50%)	22 (25.6%)	9 (22%)	<0.001
	5-10%	140 (52%)	55 (38.7%)	62 (72.1%)	23 (56%)	
	>=10%	27 (10%)	16 (11.3%)	2 (2.3%)	9 (22%)	
TIMI	0 points	14 (5.2%)	2 (1.4%)	12 (14%)	0 (0%)	<0.001
	1-2 points	181 (67.3%)	111 (78.2%)	57 (66.3%)	13 (31.7%)	
	>=3 points	74 (27.5%)	29 (20.4%)	17 (19.8%)	28 (68.3%)	
SMART	<8 points	51 (19.2%)	17 (12.1%)	27 (31.8%)	7 (17.1%)	<0.001
	8-11 points	130 (48.9%)	79 (56.4%)	39 (45.9%)	12 (29.3%)	

>11 points	85 (32%)	44 (31.4%)	19 (22.4%)	22 (53.7%)

REACH: REduction of Atherothrombosis for Continued Health Registry; REGICOR: Registre GironI del Cor; SCORE *Systematic* COronary Risk Evaluation; SMART: Second manifestations of ARTerial disease; TIMI: Thrombolysis In Myocardial Infarction – TIMI Study Group.

[a] SCORE risk for diabetic patients was obtained multiplying the score risk by 3 in men and by 5 in women.