APPENDIX A

Table 1.S. Beta-coefficients for different risk factors in the typical 10-year CVD-risk model, and after using age as a time-scale variable.

	Men		Women	
	Typical 10-year model	**Age as time-scale**	**Typical 10-year model**	**Age as time-scale**
Smoking	1.20	1.13	1.88*	1.37
Diabetes	1.37*	1.48*	1.28	1.34*
SBP (mmHg)				
140-149	1.10	1.11	1.01	1.02
150-159	1.10	1.11	0.87	0.90
≥160	1.28	1.25	0.82	0.82
Total cholesterol (mg/dL)				
160-199	1.19	1.21	0.79	0.77
200-239	1.13	1.32	0.73	0.77
≥240	0.83	1.07	0.71	0.79
Antihypertensive treatment	1.34	1.34	1.13	1.16

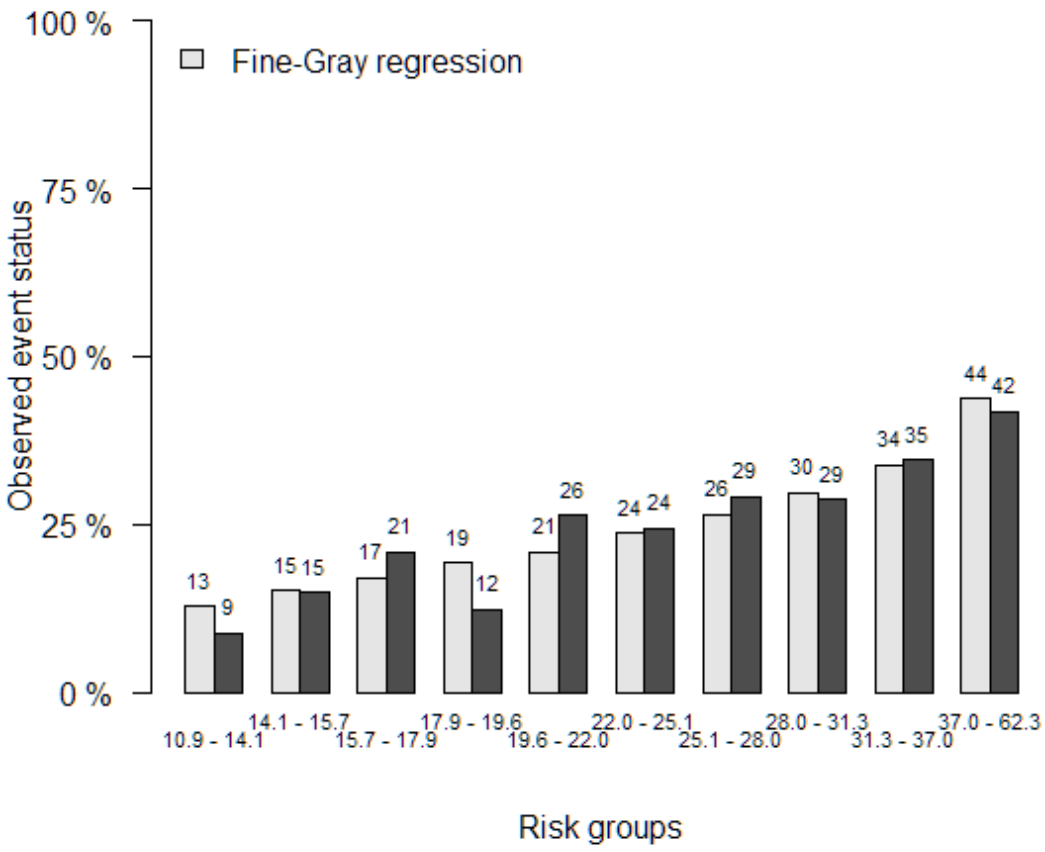
*Statistically significant (p<.05).

SBP: Systolic Blood Pressure.

Calibration and discrimination analysis:

We follow the same premises as those used by D'Agostino-Nam in adapting the Homer-Lemeshow goodness-of-fit statistic. A statistic applied to competitive risk models was developed, and its associated probability was calculated. Instead of using the Kaplan-Meier method to estimate the mean of observed events, the Nelson-Aalen estimate is used, which takes competitive events into account. (Gerds T.A., Andersen P.K., and Kattan M.W. Calibration plots for risk prediction models in the presence of competing risks. Statist. Med 2014; 33: 3191–3203. doi:10.1002/sim.6152).

Fig 1.S. Calibration analysis in men.



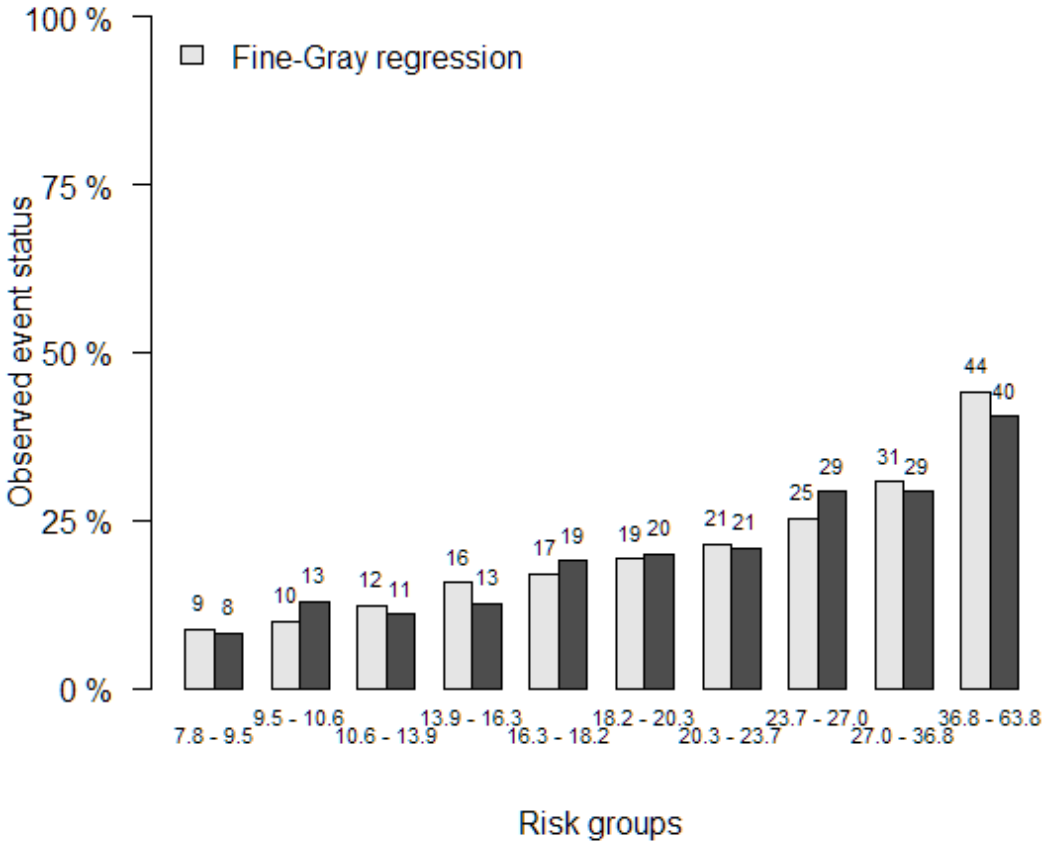
Discrimination analysis in men

Estimated C-index in % at time=10

	AppCindex	BootCvCindex
FGR	62.9	59.8

AppCindex: Apparent (training data) performance SAMPLE
BootCvCindex: Bootstrap crossvalidated performance RESULT BOOSTRAP

Fig 2.S. Calibration analysis in women.



Discrimination analysis in women

Estimated C-index in % at time=10

	AppCindex	BootCvCindex
FGR	65.9	64.6

AppCindex: Apparent (training data) performance
BootCvCindex: Bootstrap crossvalidated performance

AppCindex: Apparent (training data) performance SAMPLE
BootCvCindex: Bootstrap crossvalidated performance RESULT BOOSTRAP

Table 2.S. Comparison of ten-year mean cardiovascular risk in older persons based on the SCORE-OP charts and EPICARDIAN-Score, by sex.

	SCORE-OP Mean±SD [95%CI] (n)	**EPICARDIAN** Mean±SD [95%CI] (n)	***p****
Men	24.6±19.75 [23.6-25.7] n=1,361	31.7±13.91 [30.9-32.4] n=1,462	<.0001
Women	15.8±17.86 [15.0-16.6] n=1,800	26.0±15.25 [25.4-26.7] n=2,012	<.0001

*t- test for two independent samples.

CI: confidence interval; SD: standard deviation.