

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

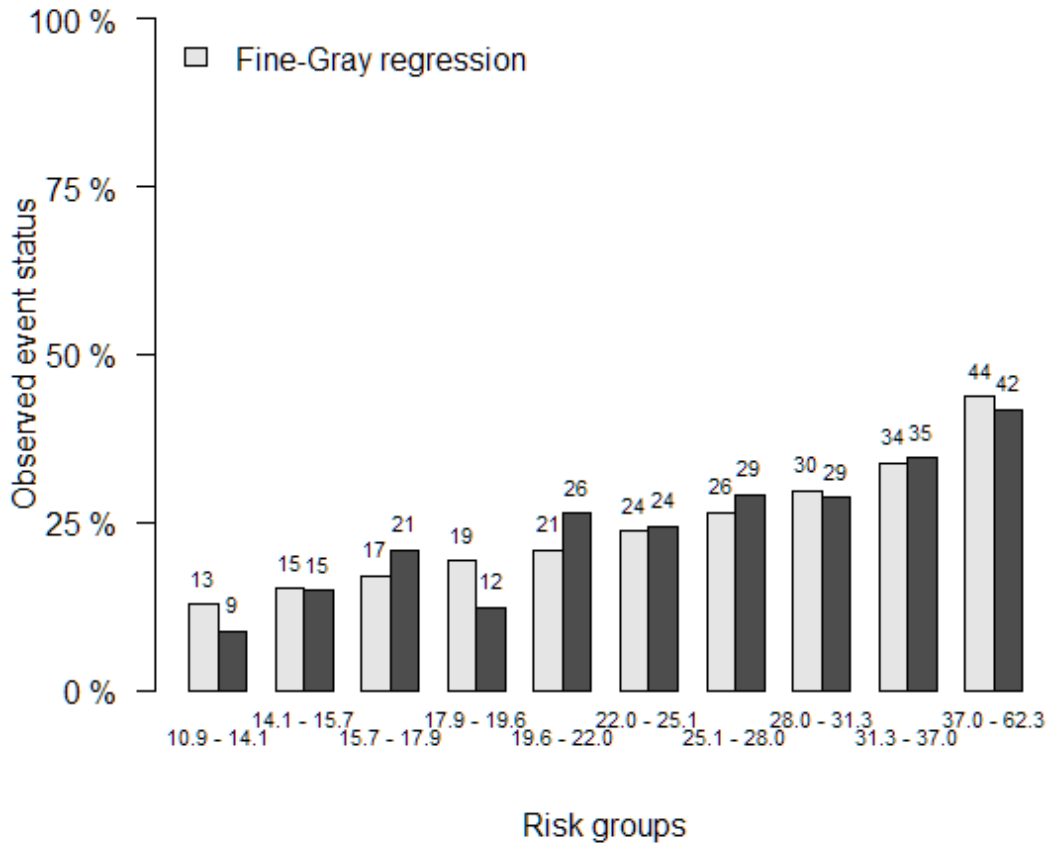
*Statistically significant ($p < .05$).

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

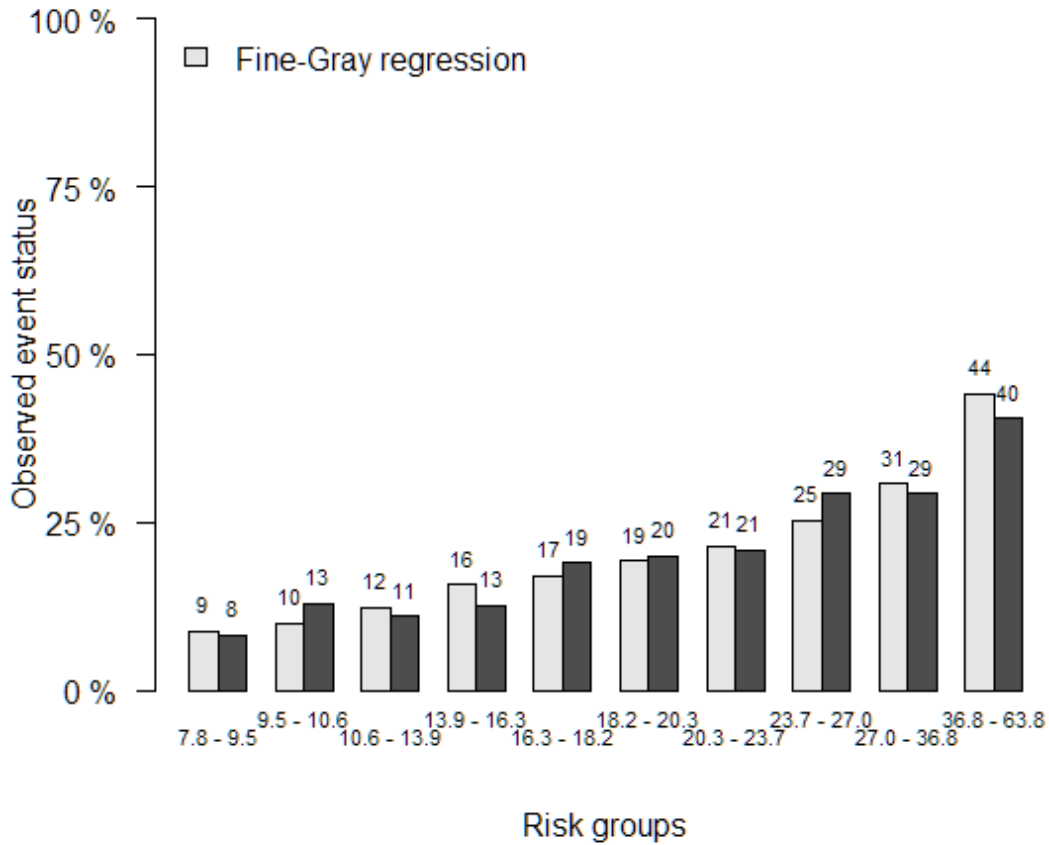
Estimated C-index in % at time=10

	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	EPICARDIAN	<i>p</i> *
	Mean±SD [95%CI] (n)	Mean±SD [95%CI] (n)	
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.