

Supplement 1

We built an online risk calculator using the recalculated coefficients, which can be accessed at <http://172.20.10.3:8080/>. It has not yet been deployed on the server, and will be able to be accessed outside the local area network after completion. Here are the recalculated coefficients(Supplement Table 1):

Supplement Table 1. Updated Framingham risk prediction model coefficients re-estimated by gender

coefficient	Male	Female
Age_ln	2.3626	2.1287
TC_ln	-0.1754	-0.1846
HDL_ln	-0.7981	-0.8494
SBP_ln	2.0406	2.0069
Smoking status (0, no smoking)	-0.2142	-0.2475
DM	0.0663	0.1293
eCRF_ln	0.3474	-1.1457
WC_ln	-1.2921	NE
Five-year survival rate	0.925	0.868

Abbreviations: TC, Total cholesterol; HDL-C, High density lipoprotein cholesterol; SBP, Systolic blood pressure; DM, Diabetes mellitus; eCRF, Estimated cardiopulmonary function; WC, waist circumference; CVD, Cardio vascular disease