IN A NUTSHELL

The knowledge platform for general practitioners

SCORE2 and SCORE2-OP

SCORE2 («Systematic COronary Risk Evaluation», age 40–69 years) and SCORE2-OP («Older Persons», age 70–89 years) were developed by the European Society of Cardiology (ESC). This allows estimation of the 10-year risk of fatal and non-fatal cardiovascular disease (CVD) in individuals without previous CVD or diabetes based on sex, age, systolic blood pressure, non-HDL cholesterol, and smoking status.

It should be noted that a different risk table must be used depending on the country. The calculator is calibrated for Switzerland and uses the table for low overall risk of cardiovascular disease. The other risk tables can be found in the respective publications: SCORE2 (https://doi.org/10.1093/eurheartj/ehab309), SCORE2-OP (https://doi.org/10.1093/eurheartj/ehab312).

Sex
○ Male ○ Female
Smoking status
○ Non-Smoking ○ Smoking
Age
[ ]
years
Systolic blood pressure
[ ]
mmHg
Non-HDL cholesterol
[ ]
mmol/l ?

: %

10-year risk of fatal and non-fatal cardiovascular disease

Interpretation

Age	10-year risk of fatal and non-fatal cardiovascular disease		
< 50 years	<2.5%	2.5 to <7.5%	?7.5%

Age	10-year risk of fatal and non-fatal cardiovascular disease		
50 - 69 years	<5%	5 to <10%	?10%
? 70 years	<7.5%	7.5 to <15%	?15%

References

1. Piepoli MF, Hoes AW, Agewall S et al. 2016 European Guidelines on cardiovascular disease prevention in clinical practice: The Sixth Joint Task Force of the European Society of Cardiology and Other Societies on Cardiovascular Disease Prevention in Clinical Practice (constituted by representatives of 10 societies and by invited experts)Developed with the special contribution of the European Association for Cardiovascular Prevention & Rehabilitation (EACPR). Eur Heart J 2016; 37: 2315-2381. doi:10.1093/eurheartj/ehw106
2. SCORE2 working group and ESC Cardiovascular risk collaboration. SCORE2 risk prediction algorithms: new models to estimate 10-year risk of cardiovascular disease in Europe. Eur Heart J 2021; 42: 2439-2454. doi:10.1093/eurheartj/ehab309
3. SCORE2-OP working group and ESC Cardiovascular risk collaboration. SCORE2-OP risk prediction algorithms: estimating incident cardiovascular event risk in older persons in four geographical risk regions. Eur Heart J 2021; 42: 2455-2467. doi:10.1093/eurheartj/ehab312