

Supplement

Framingham risk score

The Framingham Risk Score was first developed based on the Framingham Heart Study data to estimate the 10-year risk of developing coronary heart disease¹.

When to use:

- Patients aged 30-79 years with no prior history of coronary heart disease.
- Do not use in patients with intermittent claudication or diabetes.

Age	<input type="text"/>	years
Sex	<input type="button" value="Female"/>	<input type="button" value="Male"/>
Smoker	<input type="button" value="No"/>	<input type="button" value="Yes"/>
Total cholesterol	<input type="text" value="Norm: 3.9 - 5.2"/>	mmol/L ⇄
HDL cholesterol	<input type="text"/>	mmol/L ⇄
Systolic BP	<input type="text" value="Norm: 100 - 120"/>	mm Hg
Blood pressure being treated with medicines	<input type="button" value="No"/>	<input type="button" value="Yes"/>


Citation : <https://www.mdcalc.com/framingham-risk-score-hard-coronary-heart-disease>

The Multi-Ethnic Study of Atherosclerosis (MESA) risk score

The Multi-Ethnic Study of Atherosclerosis (MESA) focuses on the characteristics of subclinical cardiovascular disease and the risk factors associated with the progression of clinically evident cardiovascular disease or subclinical disease.

MESA researchers analyzed data from a diverse population-based sample of 6,757 asymptomatic men and women aged 45 to 84 years. Around 38% of recruited participants are white, 27% are African-American, 22% are Hispanic, and 12% are Asian, primarily of Chinese ancestry.

When to use: patients aged 45 to 85 years who identify as Caucasian, Chinese American, African American, or Hispanic³.


The Multi-Ethnic Study of Atherosclerosis

MESA 10-Year CHD Risk with Coronary Artery Calcification
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1. Gender	Male <input type="radio"/> Female <input type="radio"/>	
2. Age (45-85 years)	<input type="text"/>	Years
3. Coronary Artery Calcification	<input type="text"/> Agatston	
4. Race/Ethnicity	Choose One	
	Caucasian	<input type="radio"/>
	Chinese	<input type="radio"/>
	African American	<input type="radio"/>
	Hispanic	<input type="radio"/>
5. Diabetes	Yes <input type="radio"/>	No <input type="radio"/>
6. Currently Smoke	Yes <input type="radio"/>	No <input type="radio"/>
7. Family History of Heart Attack (History in parents, siblings, or children)	Yes <input type="radio"/>	No <input type="radio"/>
8. Total Cholesterol	<input type="text"/> mg/dL or	<input type="text"/> mmol/L
9. HDL Cholesterol	<input type="text"/> mg/dL or	<input type="text"/> mmol/L
10. Systolic Blood Pressure	<input type="text"/> mmHg or	<input type="text"/> kPa
11. Lipid Lowering Medication	Yes <input type="radio"/>	No <input type="radio"/>
12. Hypertension Medication	Yes <input type="radio"/>	No <input type="radio"/>
<input type="button" value="Calculate 10-year CHD risk"/>		

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Citation : <https://www.mesa-nhlbi.org/MESACHDRisk/MesaRiskScore/RiskScore.aspx>

Thai cardiovascular risk score (TCVR)

The Risk Estimator is intended as a companion tool to estimate the 10-year risk for atherosclerotic cardiovascular disease, defined as coronary death or nonfatal myocardial infarction, or fatal or nonfatal stroke, based on EGAT study¹⁵, pooled 20-year Cohort study.

This Estimator could be used without blood testing, required waist circumference and height, or used with blood testing. However, this risk calculator should only be used on Thais aged 35 to 70 who have never had atherosclerotic cardiovascular disease.

Thai CV risk score TH

Risk estimator (All fields are required*)

Age: 50

Gender: ☒ F

Smoker: ☒ No

Diabetes: ☒ No

Systolic Blood Pressure: 120

☐ No blood testing ☒ Use blood testing

Total Cholesterol: 200

Waist circumference: 30

Height: 160

Please choose maximal value if your result is over limit .

Citation : https://www.rama.mahidol.ac.th/cardio_vascular_risk/thai_cv_risk_score/tcvrs_en.html