

**Table S1.** The cardiovascular risk functions

Model	Male	Female
Primary model	< If, not treated for hypertension > $\Sigma BX = \{(\log \text{ of age} * 3.06117)$ $+ (\log \text{ of total cholesterol} * 1.12370)$ $- (\log \text{ of HDL cholesterol} * 0.93263)$ $+ (\log \text{ of SBP} * 1.93303)$ $+ (\text{smoking} * 0.65451)$ $+ (\text{diabetes} * 0.57367)\}$	< If, treated for hypertension > $\Sigma BX = \{(\log \text{ of age} * 2.32888)$ $+ (\log \text{ of total cholesterol} * 1.20904)$ $- (\log \text{ of HDL cholesterol} * 0.70833)$ $+ (\log \text{ of SBP} * 2.76157)$ $+ (\text{smoking} * 0.52873)$ $+ (\text{diabetes} * 0.69154)\}$
	< If, treated for hypertension > $\Sigma BX = \{(\log \text{ of age} * 3.06117)$ $+ (\log \text{ of Total cholesterol} * 1.12370)$ $- (\log \text{ of HDL cholesterol} * 0.93263)$ $+ (\log \text{ of SBP} * 1.99881)$ $+ (\text{smoking} * 0.65451)$ $+ (\text{diabetes} * 0.57367)\}$ 10-year risk = $1 - 0.88936^{\exp(\Sigma BX - 23.9802)}$	< If, treated for hypertension > $\Sigma BX = \{(\log \text{ of age} * 2.32888)$ $+ (\log \text{ of Total cholesterol} * 1.20904)$ $- (\log \text{ of HDL cholesterol} * 0.70833)$ $+ (\log \text{ of SBP} * 2.82263)$ $+ (\text{smoking} * 0.52873)$ $+ (\text{diabetes} * 0.69154)\}$ 10-year risk = $1 - 0.95012^{\exp(\Sigma BX - 26.1931)}$
SOBNL model	< If, not treated for hypertension > $\Sigma BX = \{(\log \text{ of age} * 3.11296)$ $+ (\log \text{ of body mass index} * 0.79277)$ $+ (\log \text{ of SBP} * 1.85508)$ $+ (\text{smoking} * 0.70953)$ $+ (\text{diabetes} * 0.53160)\}$	< If, not treated for hypertension > $\Sigma BX = \{(\log \text{ of age} * 2.72107)$ $+ (\log \text{ of body mass index} * 0.51125)$ $+ (\log \text{ of SBP} * 2.81291)$ $+ (\text{smoking} * 0.61868)$ $+ (\text{diabetes} * 0.77763)\}$
	< If, treated for hypertension > $\Sigma BX = \{(\log \text{ of age} * 3.11296)$ $+ (\log \text{ of body mass index} * 0.79277)$ $+ (\log \text{ of SBP} * 1.92672)$ $+ (\text{smoking} * 0.70953)$ $+ (\text{diabetes} * 0.53160)\}$ 10-year risk = $1 - 0.88431^{\exp(\Sigma BX - 23.9388)}$	< If, treated for hypertension > $\Sigma BX = \{(\log \text{ of age} * 2.72107)$ $+ (\log \text{ of body mass index} * 0.51125)$ $+ (\log \text{ of SBP} * 2.88267)$ $+ (\text{smoking} * 0.61868)$ $+ (\text{diabetes} * 0.77763)\}$ 10-year risk = $1 - 0.94833^{\exp(\Sigma BX - 26.0145)}$

These formulations are available at: <https://framinghamheartstudy.org/fhs-risk-functions/cardiovascular-disease-10-year-risk/>.  
HDL, high-density lipoprotein; SBP, systolic blood pressure; SOBNL, simple office-based non-laboratory model.