

Table 2 Association of independent variables with cardiovascular disease risk: multiple beta regression analysis by sex

Independent variable	Males			Females		
	Coefficient (95% CI)	P-value	Elasticity ^a (95% CI)	Coefficient (95% CI)	P-value	Elasticity ^a (95% CI)
Age (years)	0.061 (0.059 to 0.064)	< 0.001	0.0100 (0.0096 to 0.0105)	0.052 (0.049 to 0.055)	< 0.001	0.0052 (0.0048 to 0.0054)
Education (years)	-0.002 (-0.006 to 0.002)	0.251	-0.0004 (-0.0010 to 0.0002)	-0.003 (-0.008 to 0.001)	0.144	-0.0003 (-0.0008 to 0.0001)
Body mass index (kg/m²)						
< 25	Reference	-	Reference	Reference	-	Reference
25-29.9	-0.028 (-0.080 to 0.0251)	0.305	-0.0045 (-0.0130 to 0.0041)	-0.014 (-0.078 to 0.050)	0.659	-0.0014 (-0.0076 to 0.0048)
30-34.9	-0.010 (-0.093 to 0.072)	0.805	-0.0017 (-0.0152 to 0.0118)	0.018 (-0.060 to 0.095)	0.655	0.0017 (-0.0058 to 0.0092)
35-39.9	0.048 (-0.110 to 0.205)	0.552	0.0079 (-0.0183 to 0.0342)	0.071 (-0.043 to 0.184)	0.221	0.0070 (-0.0042 to 0.0183)
≥ 40	-0.285 (-0.520 to -0.050)	0.018	-0.0438 (-0.0776 to -0.0101)	0.051 (-0.097 to 0.199)	0.499	0.0050 (-0.0096 to 0.0197)
Waist circumference (cm)	0.003 (0.0001 to 0.006)	0.045	0.0005 (0.0001 to 0.0010)	0.005 (0.002 to 0.008)	0.001	0.0005 (0.0002 to 0.0008)
Smoking (yes/no)	0.453 (0.414 to 0.492)	< 0.001	0.0739 (0.0675 to 0.0803)	0.303 (-0.011 to 0.616)	0.059	0.0296 (-0.0010 to 0.0602)
Diabetes (yes/no)	0.719 (0.666 to 0.772)	< 0.001	0.1173 (0.1089 to 0.1257)	0.757 (0.715 to 0.800)	< 0.001	0.0741 (0.0697 to 0.0785)
Hypertension (yes/no)	0.473 (0.435 to 0.511)	< 0.001	0.0771 (0.0709 to 0.0835)	0.559 (0.527 to 0.592)	< 0.001	0.0547 (0.0513 to 0.0582)
Triglycerides (mg/dL)	0.0001 (-0.0002 to 0.0004)	0.492	0.00002 (-0.00003 to 0.00006)	0.0005 (0.0002 to 0.0008)	0.001	0.00005 (0.00002 to 0.00008)
Total cholesterol (mg/dL)	0.007 (0.006 to 0.008)	< 0.001	0.0011 (0.0010 to 0.0013)	0.006 (0.006 to 0.007)	< 0.001	0.0006 (0.0006 to 0.0007)
High-density lipoprotein cholesterol (mg/dL)	-0.029 (-0.032 to -0.027)	< 0.001	-0.0048 (-0.0052 to -0.0044)	-0.017 (-0.019 to -0.015)	< 0.001	-0.0017 (-0.0019 to -0.0014)
Constant	-5.787 (-6.137 to -5.437)	< 0.001	-	-6.754 (-7.083 to -6.426)	< 0.001	-

CI: confidence interval.

^aPercentage change in cardiovascular disease risk for a 1% change in the covariates.