

Supplementary Table 4. Predictive costs of metabolic syndrome and its components over 5 years in females

Variable	Simple regression model		Multiple regression models I through VI		Multiple regression model VII		Multiple regression model VIII	
	Parameter estimation, USD	p value	Parameter estimation, USD	p value	Parameter estimation, USD	p value	Parameter estimation, USD	p value
Metabolic syndrome	5,315	< 0.001	2,949	< 0.001	785	< 0.001	509	< 0.001
Abdominal obesity	3,632	< 0.001	1,619	< 0.001	651	0.010	706	0.001
Hypertriglyceridemia	4,160	< 0.001	2,184	< 0.001	1,232	< 0.001	1,030	< 0.001
Low HDL-C level	1,569	< 0.001	494	< 0.001	-164	0.010	-123	0.05
High blood pressure	4,609	< 0.001	2,303	< 0.001	1,484	< 0.001	1,287	< 0.001
Hyperglycemia	3,537	< 0.001	1,846	< 0.001	976	< 0.001	886	< 0.001
Age	4,260	< 0.001	^a	< 0.001	2,892	< 0.001	2,669	< 0.001
Intercept	-	-	^b	< 0.001	-1,553	< 0.001	-1,216	< 0.001
Cardiac disorders	-	-	-	-	-	-	2,981	< 0.001
Stroke	-	-	-	-	-	-	4,724	< 0.001

Multiple regressions models I through VI include age, sex, household income level, smoking status, drinking level, exercise status, and each individual component of metabolic syndrome. Multiple regression model VII includes all components of metabolic syndrome and controls for age, sex, household income level, smoking status, drinking level, and exercise status. Multiple regression model VIII adds controls for cardiac disorders and stroke to model VII. Abdominal obesity, waist circumference ≥ 90 cm in men and ≥ 85 cm in women; hypertriglyceridemia, serum triglyceride ≥ 150 mg/dL; low HDL-C level, HDL-C < 40 mg/dL in men and < 50 mg/dL in women; high blood pressure, blood pressure $\geq 130/85$ mmHg or current use of antihypertensive medication; hyperglycemia, serum glucose ≥ 100 mg/dL or current use of medication for diabetes.

USD, US dollar; HDL-C, high density lipoprotein cholesterol.

^aIndividual parameter estimates for age were as follows: model I (MetS), 3,372 USD; model II (abdominal obesity), 3,812 USD; model III (hypertriglyceridemia), 3,673 USD; model IV (low HDL-C level), 4,113 USD; model V (high blood pressure), 3,407 USD; and model VI (high blood pressure), 3,816 USD.

^bIndividual intercepts were as follows: model I (MetS), -1,561 USD; model II (abdominal obesity), -2,004 USD; model III (hypertriglyceridemia), -1,894 USD; model IV (low HDL-C level), -2,211 USD; model V (high blood pressure), -2,050 USD; and model VI (high blood pressure), -986 USD.