

Supplement Table 1. Area under curve (AUC) analysis.

Variables	AUC (95%CI)	AIC	Sensitivity%	Specificity%	optimal cut-off	P -value
TC(mmol/L)	0.588 (0.564, 0.613)	3206.9	58.3%	58.6%	5.045	<0.001
GGT(U/L)	0.761 (0.742, 0.781)	2982.7	74.8%	65.6%	24.500	<0.001
HDL(mmol/L)	0.711 (0.689, 0.732)	3214.3	69.1%	63.4%	1.285	1.000
TG(mg/dL)	0.784 (0.764, 0.803)	3057.6	68.2%	78.0%	137.618	<0.001
FPG(mg/dL)	0.653 (0.629, 0.677)	3085.7	55.1%	69.7%	95.67	<0.001
WC(cm)	0.846 (0.830, 0.861)	2378.3	80.2%	74.9%	84.500	<0.001
BMI(kg/m ²)	0.822 (0.804, 0.839)	2486.4	78.9%	72.5%	23.525	<0.001
FLI	0.872 (0.859, 0.886)	2809.1	87.5%	72.1%	0.419	<0.001
HSI	0.821 (0.803, 0.838)	2554.0	77.1%	73.3%	32.715	<0.001
TyG	0.793 (0.774, 0.812)	2676.8	72.2%	75.0%	8.738	<0.001
TyG-WC	0.873 (0.860, 0.887)	2199.6	88.7%	71.4%	716.743	<0.001
TyG-BMI	0.862 (0.847, 0.876)	2239.1	85.3%	73.3%	203.154	<0.001
TyG-WHR	0.836 (0.820, 0.852)	2448.0	84.6%	67.7%	7.444	<0.001

AIC, Akaike information criterion; TC, total cholesterol; GGT, Gamma-glutamyltransferase; HDL, high-density lipoprotein; TG, serum triglyceride; FPG, fasting plasma glucose; WC, waist circumference; BMI, body mass index; FLI, fatty liver index; HSI, hepatic steatosis index; TyG, triglyceride-glucose; TyG-WC, triglyceride-glucose-waist circumference; TyG-BMI, triglyceride-glucose-body mass index; TyG-WHR, triglyceride-glucose-waist-to-hip ratio.

Supplement Table 2 NRI and IDI analyses

Variables	NRI (95%CI)	P-value	IDI (95%CI)	P-value
TyG	Reference	<0.001	Reference	<0.001
TC(mmol/L)	-0.437 (-0.479, -0.395)	<0.001	-0.199 (-0.216, -0.182)	<0.001
GGT(mmol/L)	-0.249 (-0.298, -0.195)	<0.001	-0.110 (-0.127, -0.092)	<0.001
HDL(mmol/L)	-0.169 (-0.214, -0.121)	<0.001	-0.119 (-0.136, -0.101)	<0.001
TG(mg/dL)	-0.200 (-0.231, -0.169)	<0.001	-0.053 (-0.059, -0.046)	<0.001
FPG(mg/dL)	-0.661 (-0.695, -0.626)	<0.001	-0.208 (-0.226, -0.191)	<0.001
WC(cm)	0.150 (0.097, 0.202)	<0.001	0.091 (0.067, 0.115)	<0.001
BMI(kg/m ²)	0.113 (0.061, 0.167)	<0.001	0.051 (0.027, 0.076)	<0.001
FLI	0.112 (0.060, 0.165)	<0.001	0.033 (0.015, 0.051)	<0.001
HSI	0.059 (-0.005, 0.123)	0.068	0.048 (0.024, 0.072)	<0.001
TyG-WC	0.264 (0.212, 0.316)	<0.001	0.148 (0.129, 0.160)	<0.001
TyG-BMI	0.187 (0.122, 0.258)	<0.001	0.125 (0.107, 0.143)	<0.001
TyG-WHR	0.125 (0.087, 0.167)	<0.001	0.071 (0.059, 0.083)	<0.001

TyG, triglyceride-glucose; TC, total cholesterol; GGT, Gamma-glutamyltransferase; HDL, high-density lipoprotein; TG, serum triglyceride; FPG, fasting plasma glucose; WC, waist circumference; BMI, body mass index; FLI, fatty liver index; HIS, hepatic steatosis index; TyG-WC, triglyceride-glucose-waist circumference; TyG-BMI, triglyceride-glucose-body mass index; TyG-WHR, triglyceride-glucose- waist-to-hip ratio.