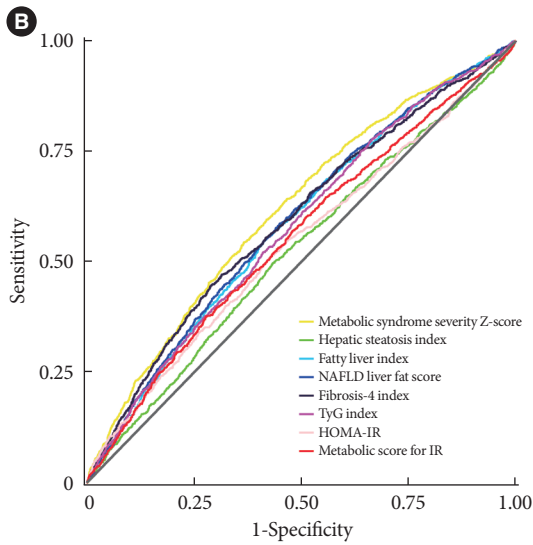


At 14-year	AUC	Cut-off value	Sensitivity	Specificity	PPV	NPV
Metabolic syndrome component (0-5)	0.626	1	0.658	0.523	0.15	0.823
Metabolic syndrome severity Z-score	0.63	-0.046	0.667	0.53	0.154	0.926
Metabolic syndrome severity score	0.618	1.001	0.467	0.716	0.174	0.913
Hepatic steatosis index	0.531	32.838	0.559	0.515	0.129	0.901
Fatty liver index	0.589	30.421	0.567	0.573	0.146	0.912
NAFLD liver fat score	0.594	1.489	0.595	0.55	0.145	0.914
Fibrosis-4 index	0.592	1.163	0.48	0.678	0.16	0.91
TyG index	0.583	8.384	0.764	0.36	0.133	0.922
HOMA-IR	0.544	1.69	0.505	0.589	0.136	0.903
Metabolic score for IR (METS-IR)	0.56	36.089	0.614	0.494	0.135	0.909



At 192-month (16-year)	AUC	Cut-off value	Sensitivity	Specificity	PPV	NPV
Metabolic syndrome component (0-5)	0.617	1	0.64	0.527	0.181	0.9
Metabolic syndrome severity Z-score	0.618	0.192	0.544	0.634	0.196	0.895
Metabolic syndrome severity score	0.606	0.872	0.496	0.673	0.199	0.891
Hepatic steatosis index	0.526	33.481	0.495	0.568	0.158	0.873
Fatty liver index	0.583	30.421	0.558	0.577	0.177	0.889
NAFLD liver fat score	0.589	1.446	0.587	0.551	0.176	0.891
Fibrosis-4 index	0.594	1.197	0.446	0.711	0.202	0.887
TyG index	0.578	8.336	0.779	0.333	0.161	0.902
HOMA-IR	0.541	1.654	0.508	0.576	0.164	0.877
Metabolic score for IR (METS-IR)	0.556	40.15	0.377	0.722	0.181	0.876

**Supplementary Fig. 1.** Time-dependent receiver operating characteristic curve for major adverse cardiac and cerebrovascular events of each indices at (A) 14-year and (B) 16-year follow-up. NAFLD, non-alcoholic fatty liver disease; TyG, triglyceride; HOMA-IR, homeostatic model assessment of insulin resistance; IR, insulin resistance; AUC, area under the curve; PPV, positive predictive value; NPV, negative predictive value.