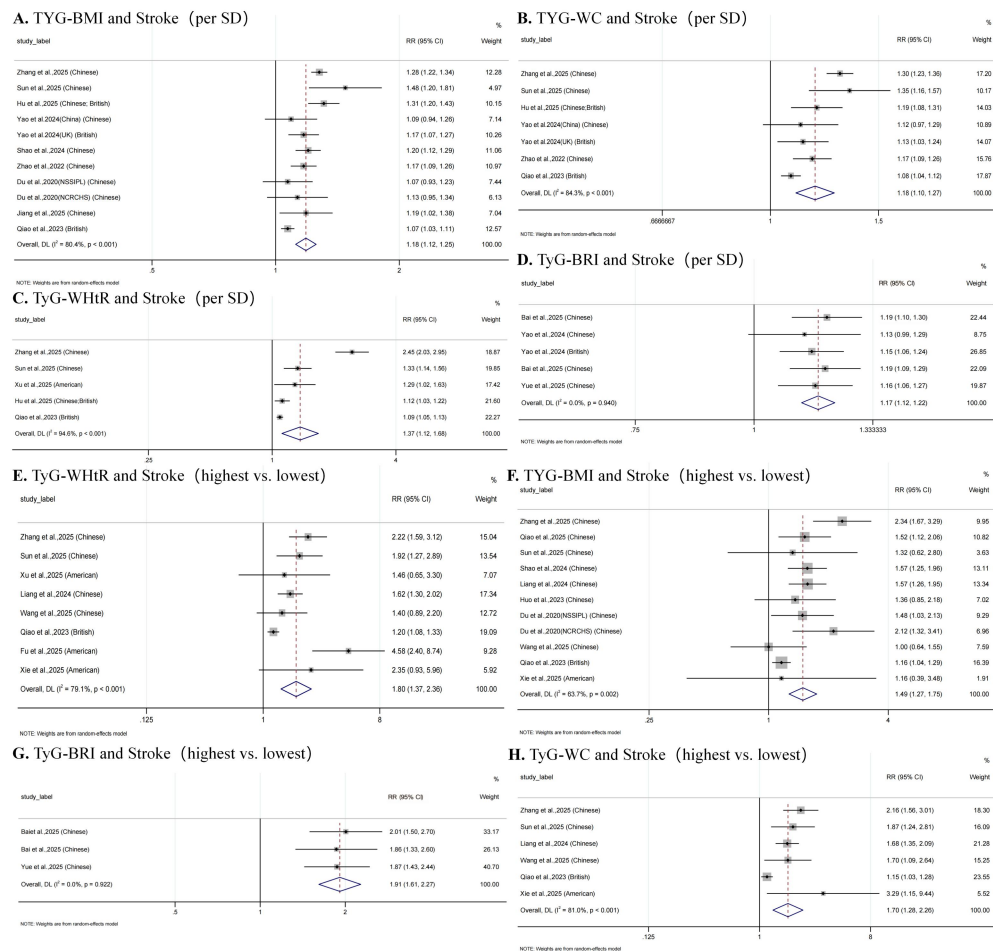
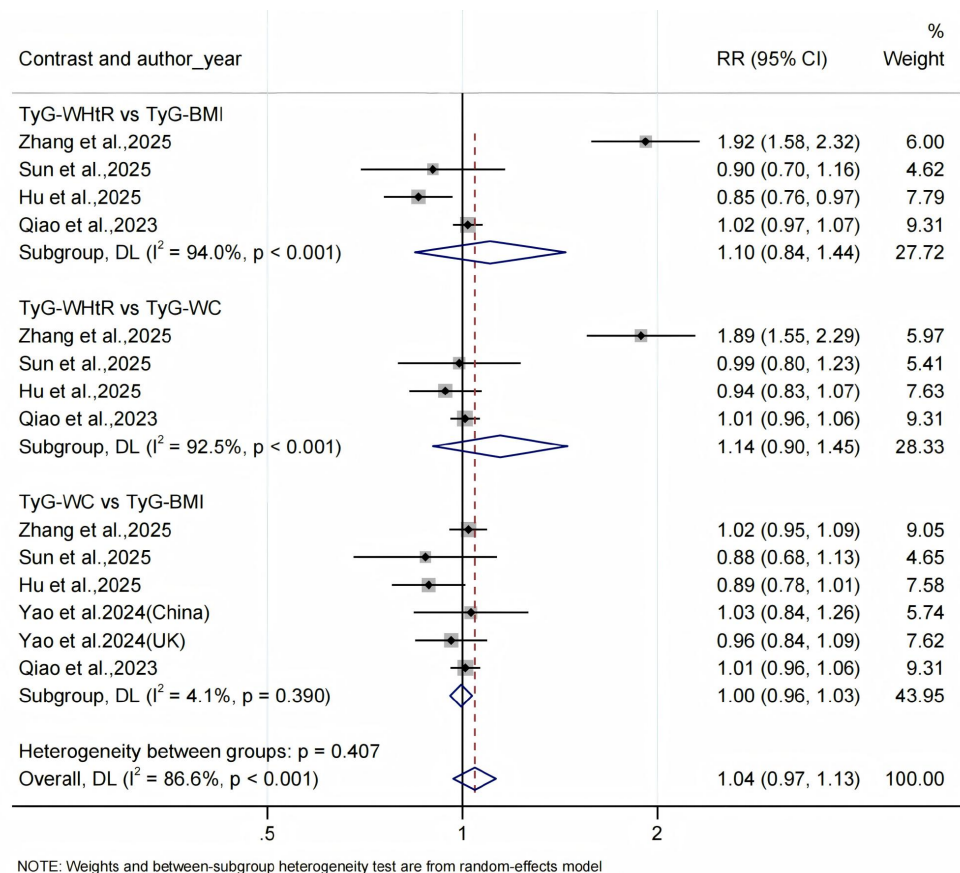


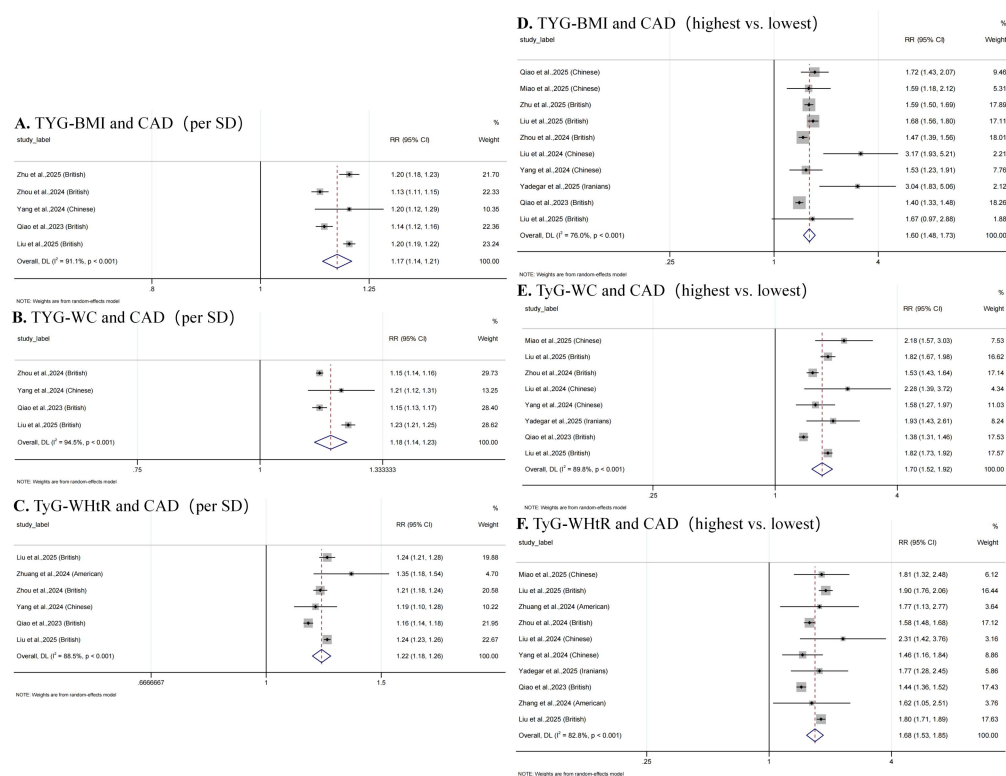


Supplementary Fig. 1 Meta-analysis results of the associations between TyG-related indices and stroke

Note: Panels A-D are forest plots of the meta-analysis between TyG-related indices and stroke (per 1 standard deviation increase); Panels E-H are forest plots of the meta-analysis between TyG-related indices and stroke (highest vs. lowest tertile/quartile). TyG-BMI=Triglyceride glucose-body mass index; TyG-WC=Triglyceride glucose-waist circumference; TyG-WHtR=Triglyceride glucose-waist height ratio; TyG-BRI=Triglyceride glucose-Body Roundness Index; RR=relative risk; CI=confidence interval; SD=standard deviation.

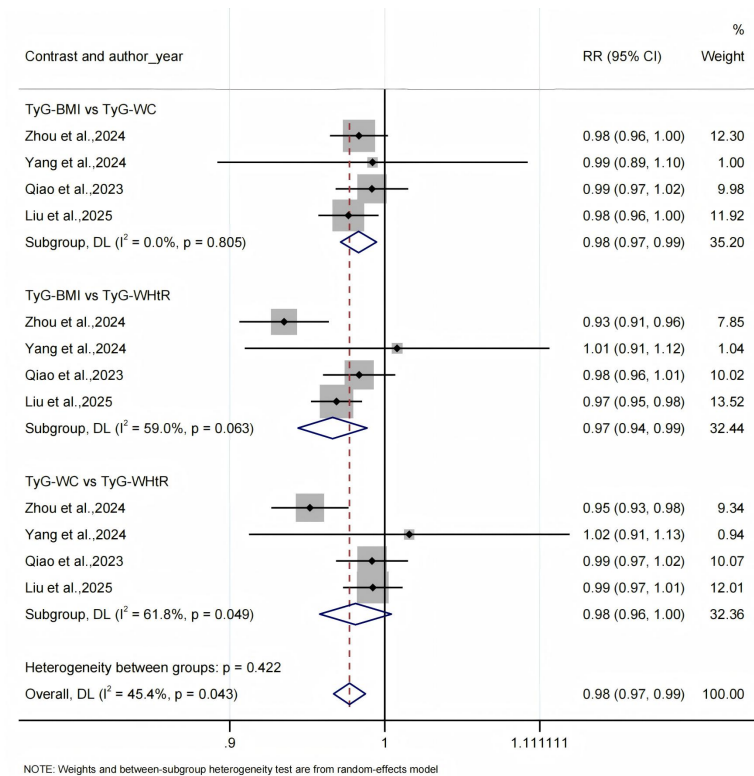


Supplementary Fig. 2 Differences in risk increments of different TyG-related indices for stroke

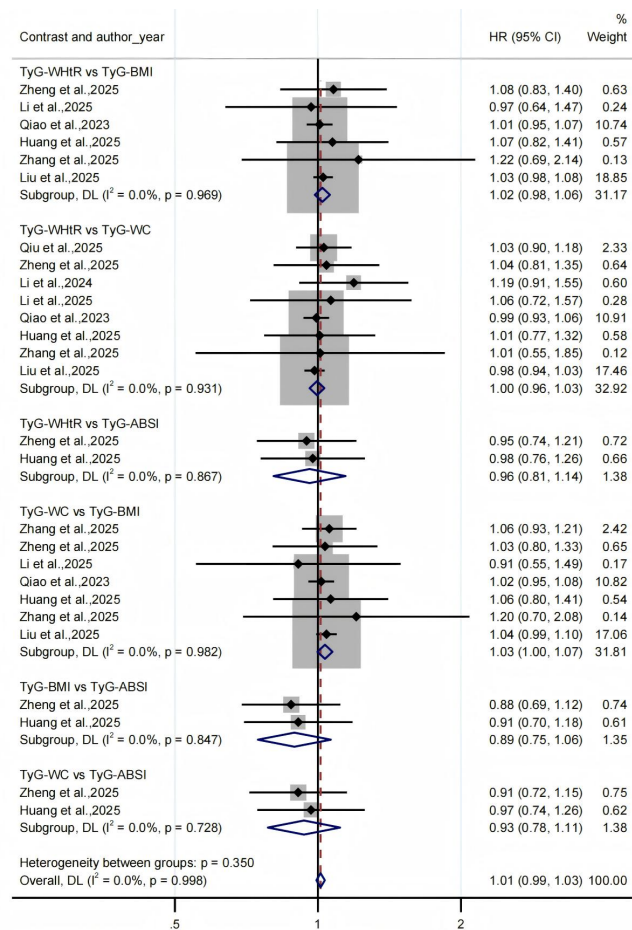


Supplementary Fig. 3 Meta-analysis results of the associations between TyG-related indices and coronary artery disease (CAD)

Note: Panels A-C are forest plots of the meta-analysis between TyG-related indices and CAD (per 1 standard deviation increase); Panels D-F are forest plots of the meta-analysis between TyG-related indices and CAD (highest vs. lowest tertile/quartile). TyG-BMI=Triglyceride glucose-body mass index; TyG-WC=Triglyceride glucose-waist circumference; TyG-WHtR=Triglyceride glucose-waist height ratio; RR=relative risk; CI=confidence interval; SD=standard deviation.

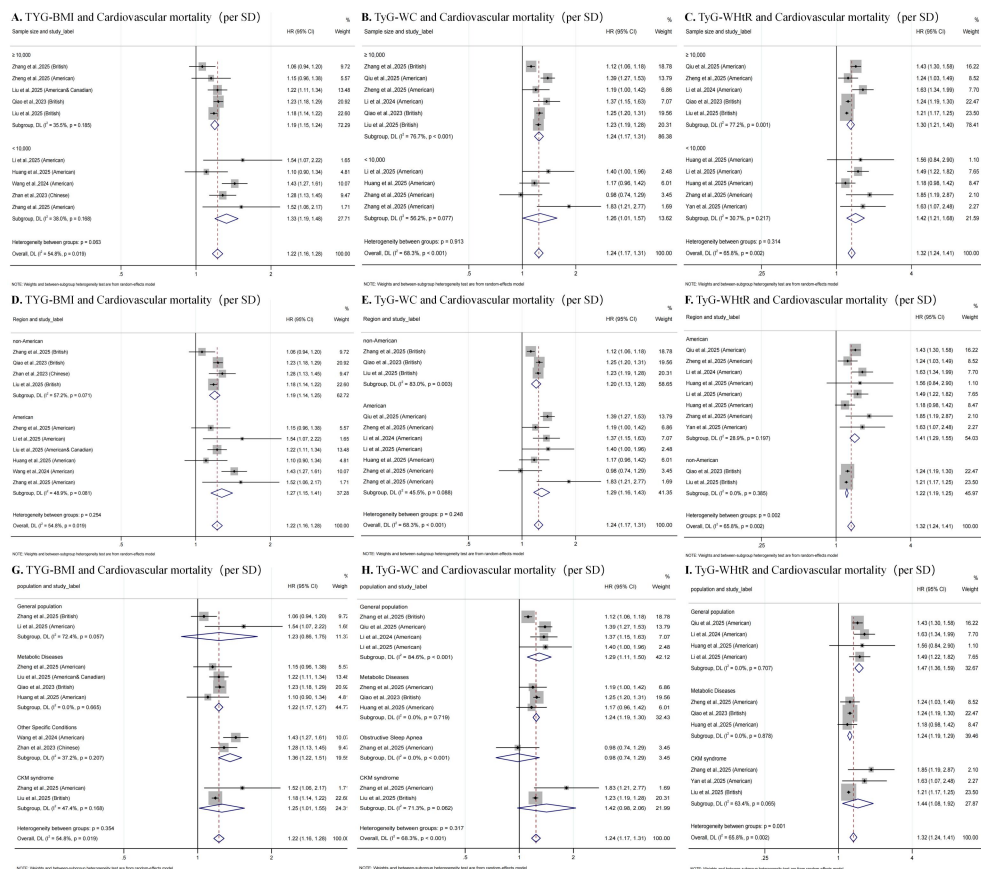


Supplementary Fig. 4 Differences in risk increments of different TyG-related indices for coronary artery disease (CAD)



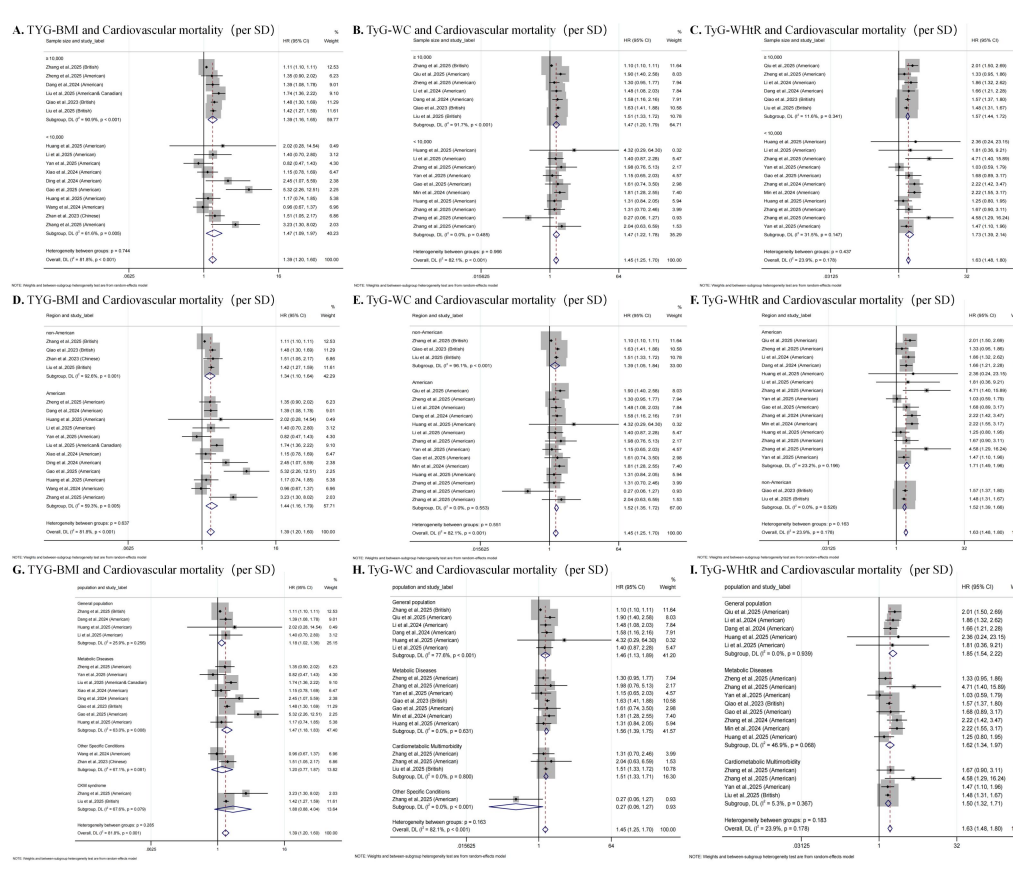
NOTE: Weights and between-subgroup heterogeneity test are from random-effects model

Supplementary Fig. 5 Differences in risk increments of different TyG-related indices for cardiovascular mortality



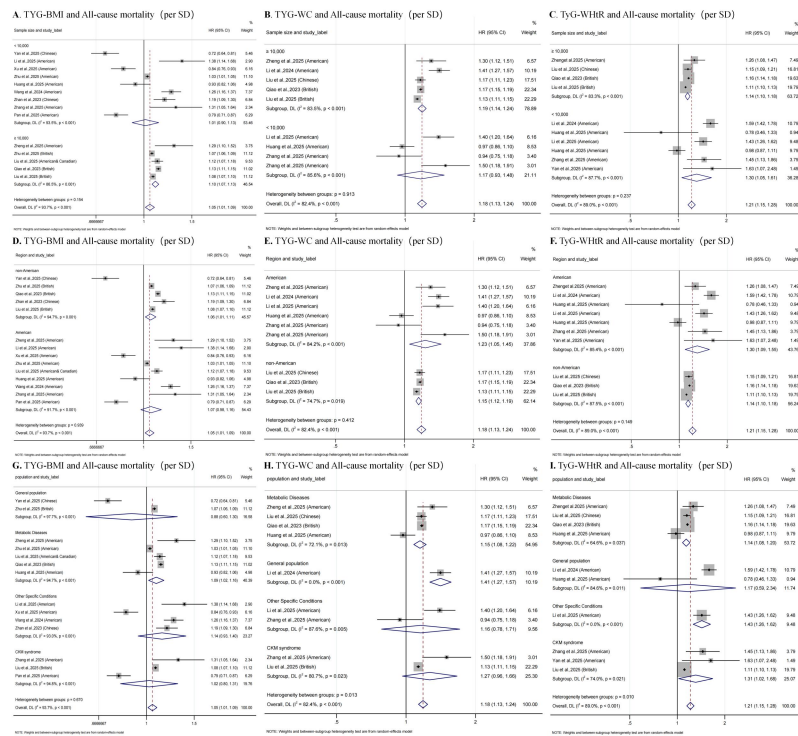
Supplementary Fig. 6 Subgroup analysis of the associations between TyG-related indices (per SD) and cardiovascular mortality

Note: Panels A-C are subgroup analysis results by sample size; Panels D-F are subgroup analysis results by region; Panels G-I are subgroup analysis results by population type.



Supplementary Fig. 7 Subgroup analysis of the associations between TyG-related indices (highest vs. lowest) and cardiovascular mortality

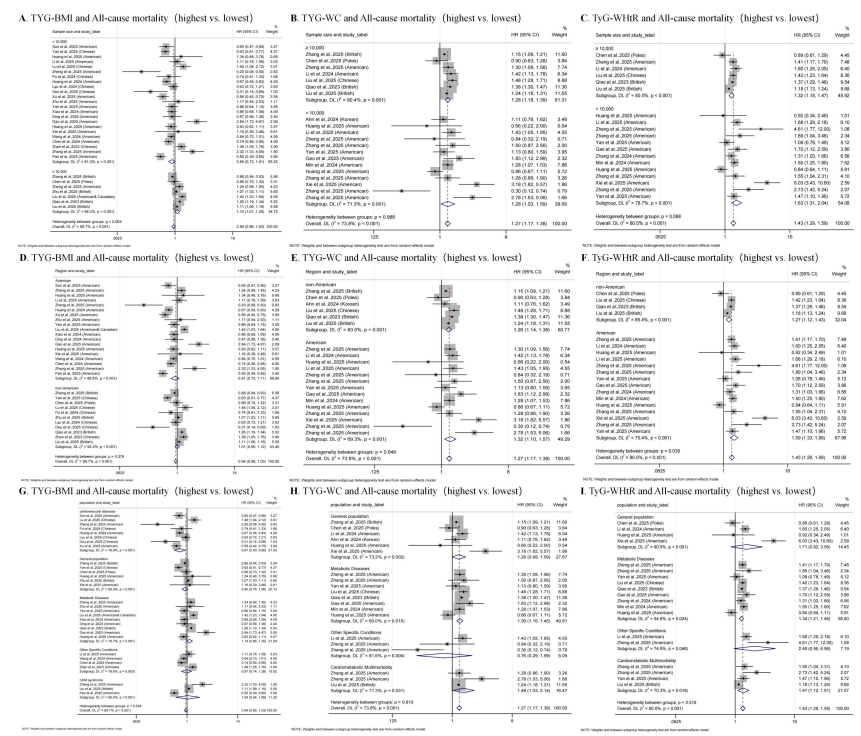
Note: Panels A-C are subgroup analysis results by sample size; Panels D-F are subgroup analysis results by region; Panels G-I are subgroup analysis results by population type.



Supplementary Fig. 8 Subgroup analysis of the associations between

TyG-related indices (per SD) and all-cause mortality

Note: Panels A-C are subgroup analysis results by sample size; Panels D-F are subgroup analysis results by region; Panels G-I are subgroup analysis results by population type.

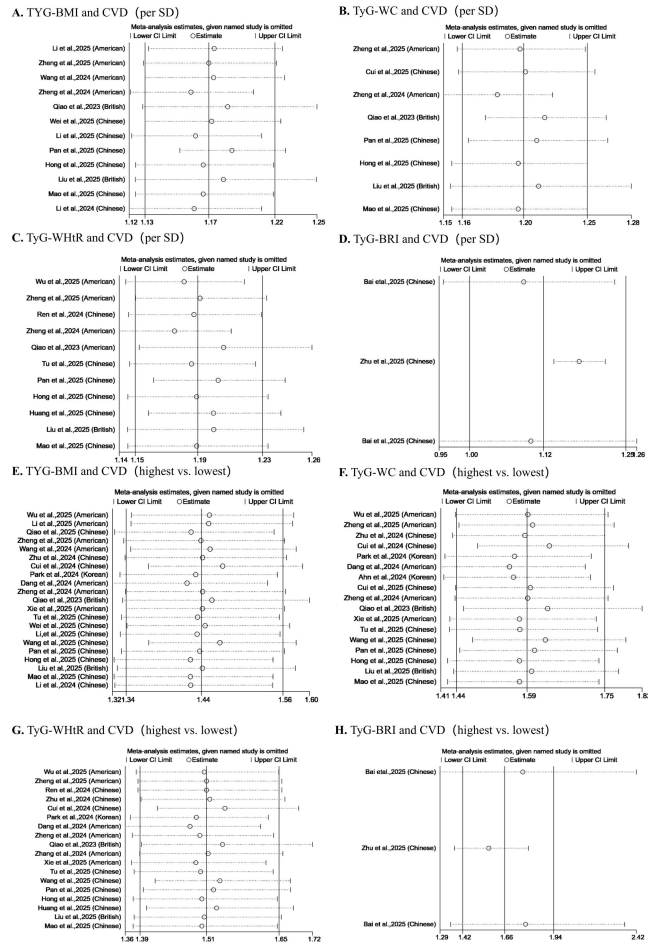


Supplementary Fig. 9 Subgroup analysis of the associations between TyG-related

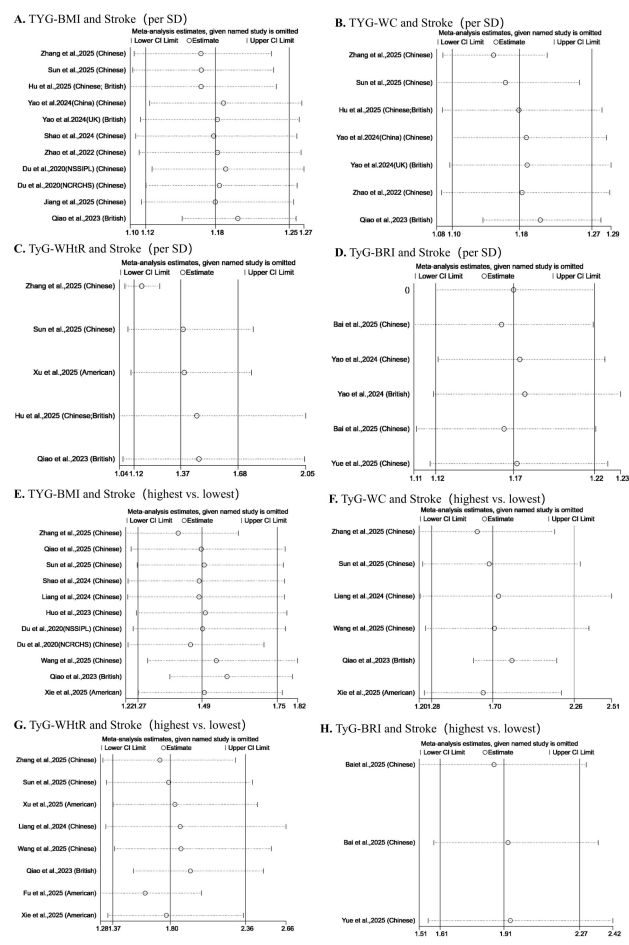
indices (highest vs. lowest) and all-cause mortality

Note: Panels A-C are subgroup analysis results by sample size; Panels D-F are subgroup analysis results by region; Panels G-I are subgroup analysis results by population type.

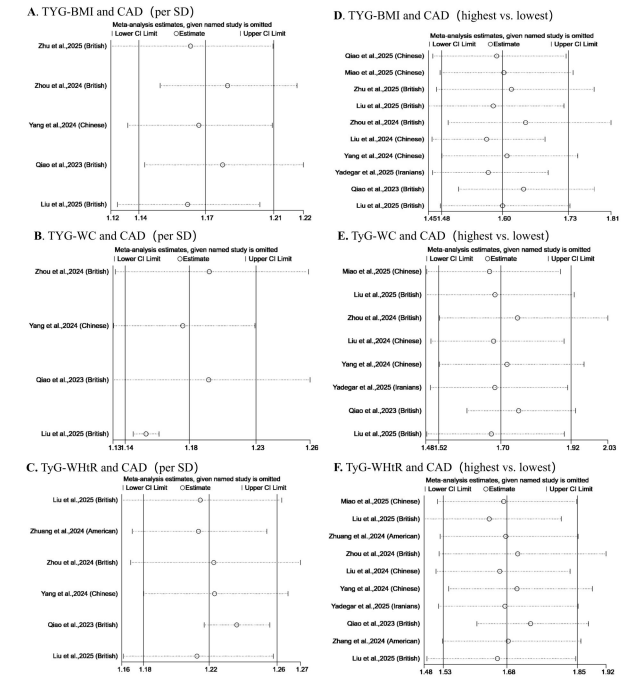
Sensitivity Analysis



Supplementary Fig. 10 Sensitivity analysis of the associations between TyG-related indices and cardiovascular disease (CVD)

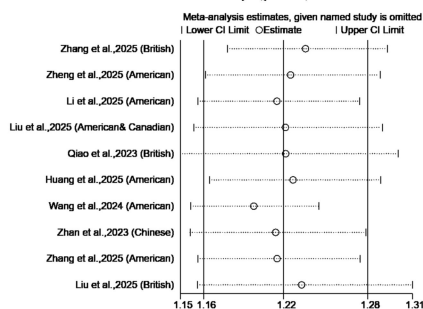


Supplementary Fig. 11 Sensitivity analysis of the associations between TyG-related indices and stroke

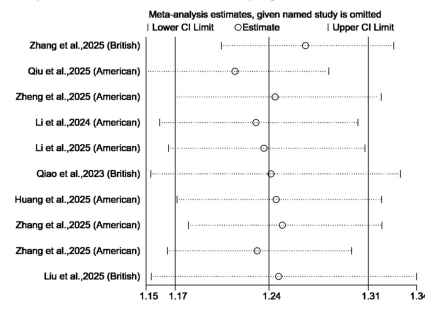


Supplementary Fig. 12 Sensitivity analysis of the associations between TyG-related indices and coronary artery disease (CAD)

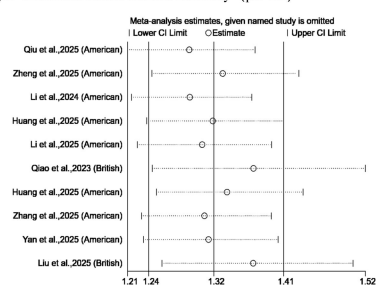
A. TyG-BMI and Cardiovascular mortality (per SD)



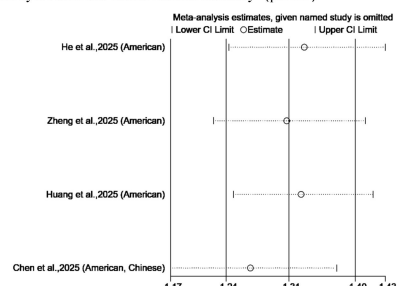
B. TyG-WC and Cardiovascular mortality (per SD)



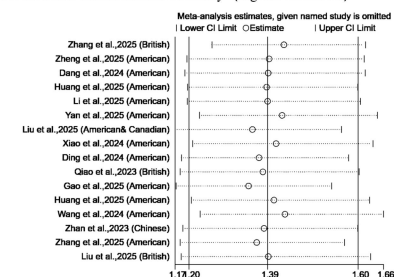
C. TyG-WHtR and Cardiovascular mortality (per SD)



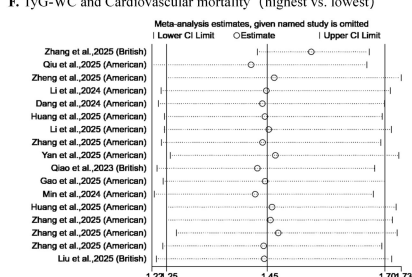
D. TyG-ABSI and Cardiovascular mortality (per SD)



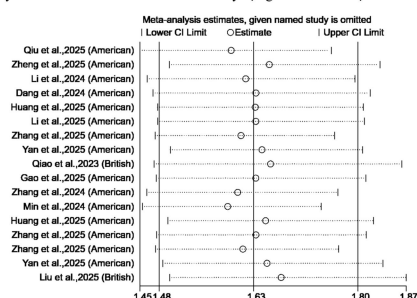
E. TyG-BMI and Cardiovascular mortality (highest vs. lowest)



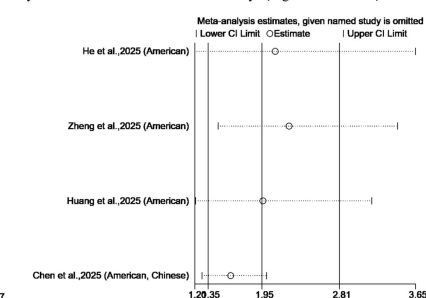
F. TyG-WC and Cardiovascular mortality (highest vs. lowest)



G. TyG-WHtR and Cardiovascular mortality (highest vs. lowest)

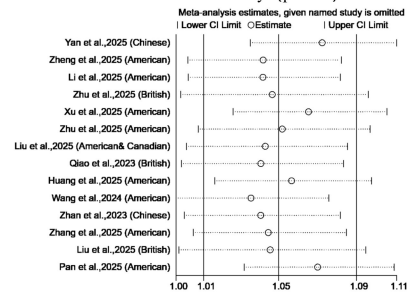


H. TyG-ABSI and Cardiovascular mortality (highest vs. lowest)

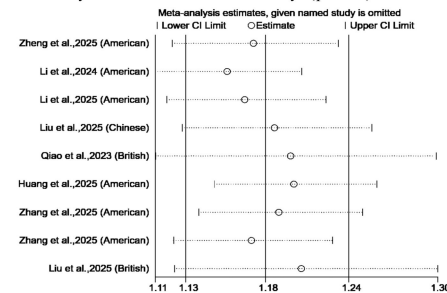


Supplementary Fig. 13 Sensitivity analysis of the associations between TyG-related indices and cardiovascular mortality

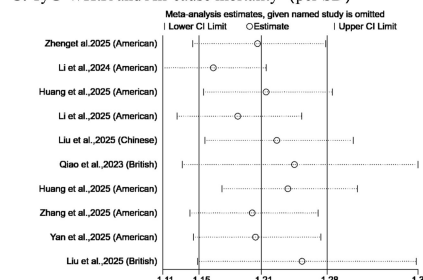
A. TyG-BMI and All-cause mortality (per SD)



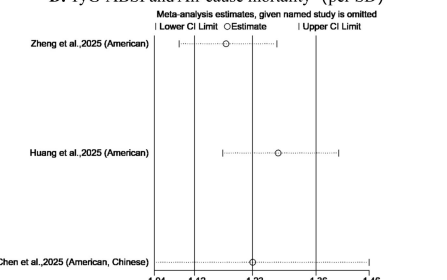
B. TyG-WC and All-cause mortality (per SD)



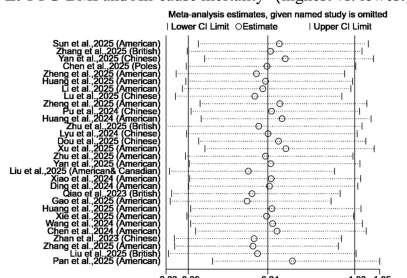
C. TyG-WHtR and All-cause mortality (per SD)



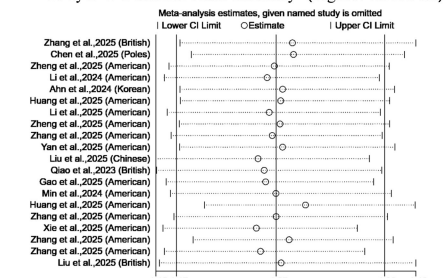
D. TyG-ABSI and All-cause mortality (per SD)



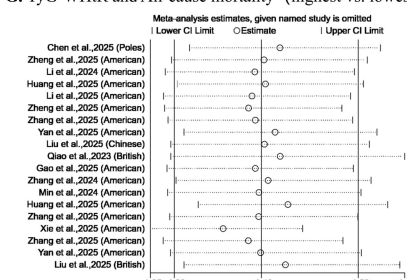
E. TyG-BMI and All-cause mortality (highest vs. lowest)



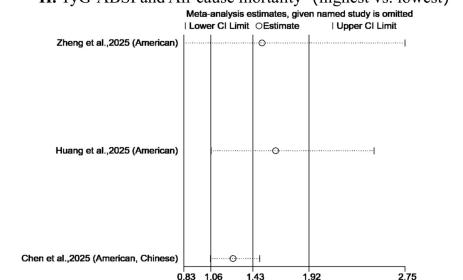
F. TyG-WC and All-cause mortality (highest vs. lowest)



G. TyG-WHtR and All-cause mortality (highest vs. lowest)



H. TyG-ABSI and All-cause mortality (highest vs. lowest)



Supplementary Fig. 14 Sensitivity analysis of the associations between TyG-related indices and all-cause mortality