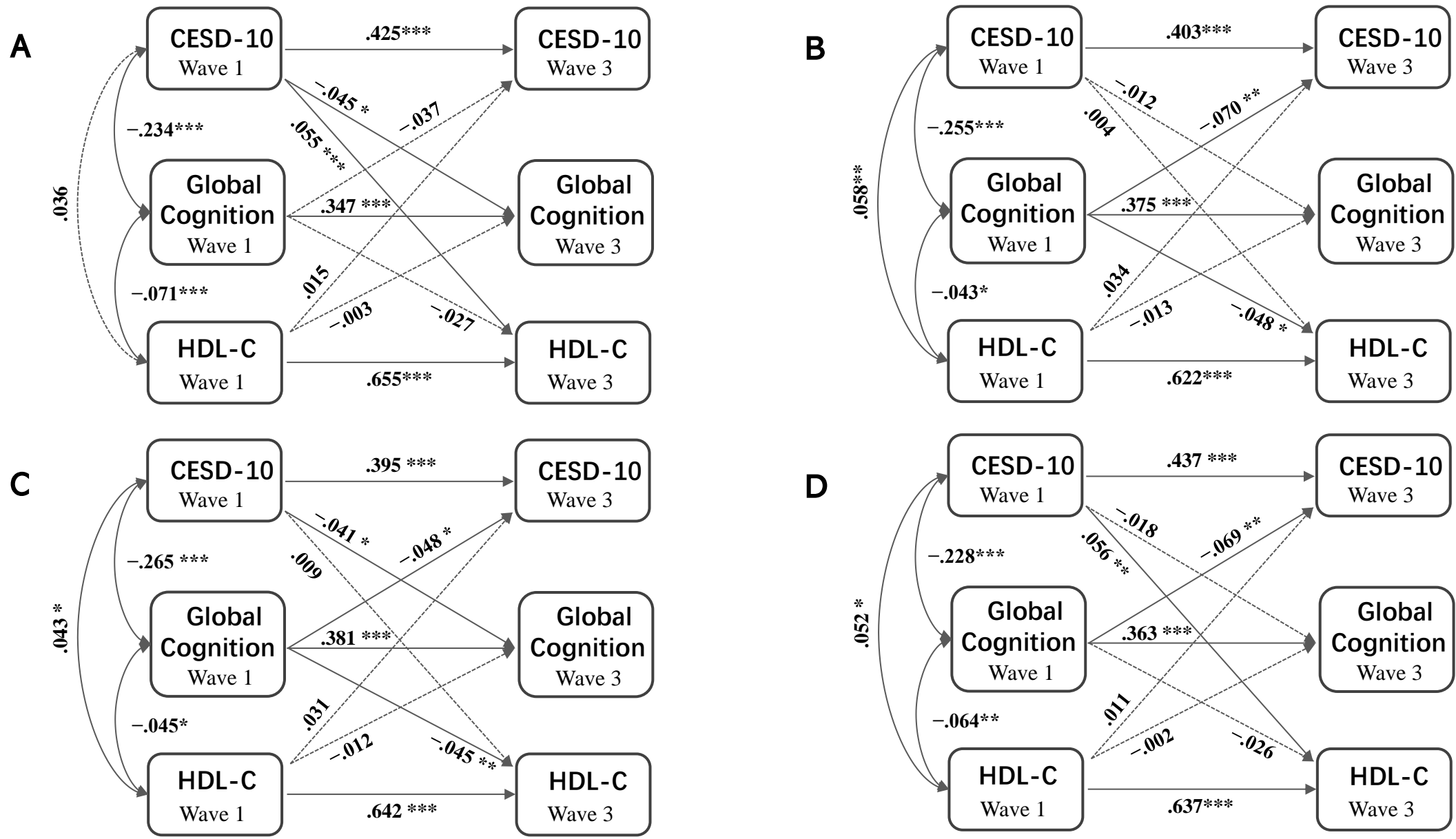


Supplementary Figure 1: Cross-lagged panel models of HDL-C levels and cognition based on sex and age subgroup analyses. A. Male subgroup (n=2225) B. Female subgroup (n=2077) C. Participants aged 45 to under 60 years (n=2550) D. Participants aged 60 and above (n=1752). Standardized structural regression coefficients are presented.



Supplementary Figure 2: Cross-lagged panel model of the associations among depressive symptoms, cognition, and HDL-C, based on age and sex subgroup analyses. A. Male subgroup (n=2225) B. Female subgroup (n=2077) C. Participants aged 45 to under 60 years (n=2550) D. Participants aged 60 and above (n=1752). Standardized structural regression coefficients are presented. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$