**Figure S1.** Multivariable-adjusted HRs (95% CI) of CVD for TC, TG, HDL-C, and LDL-C variability and mean levels in subgroups (Q4 versus Q1-3). Adjusted for age, sex, smoking, lipid-lowering drugs, anti-hypertensive drugs, family history of CVD, diabetes, and average BMI and SBP values; for the variability analyses, further adjusted for mean lipid levels. Each subgroup was assessed independently. HR; hazard ratio, CI; confidence interval, TC; total cholesterol, TG; triglycerides, HDL-C; high-density lipoprotein cholesterol, LDL-C; low-density lipoprotein cholesterol.



**Figure S2.** Multivariable-adjusted HRs (95% CI) of CVD for TC/HDL-C, TG/HDL-C, and non-HDL-C variability and mean levels in subgroups (Q4 versus Q1-3). Adjusted for age, sex, smoking, lipid-lowering drugs, anti-hypertensive drugs, family history of CVD, diabetes, and average BMI and SBP values; for the variability analyses, further adjusted for mean lipid levels. Each subgroup was assessed independently. HR; hazard ratio, CI; confidence interval, TC; total cholesterol, TG; triglycerides, HDL-C; high-density lipoprotein cholesterol.