**Total N= 211,569**

- KoGES\_ Ansan&Ansung (n=10,030)

- KoGES\_HEXA (n=173,202)

- KoGES\_CAVAS (n=28,337)

**Exclusion (N=50,984)**

- Age >80 years (n=258)

- Missing on the anthropometric indices (BMI, WC, WHR, and ABSI) (n=3,386)

- Missing on the Clinical information (SBP, DBP, TC, FBS, and TG) (n=8,644)

- Missing on the covariates (smoking, drinking, income level, and education level) (n=38,696)

**Total participants (N=160,585)**

(57,653 male, 102,932 female)

**Figure 1.** Flowchart depicting participant screening and enrolment in the study.

BMI, body mass index; WC, waist circumference; WHR, waist-to-hip circumference ratio; ABSI, a body shape index; SBP, systolic blood pressure; DBP, diastolic blood pressure; TC, total cholesterol; FBS, fasting blood sugar; TG, triglyceride