**S1 Fig: Study flow diagram**

ARIC study participants from V5  
N=6,538

- History of cardiac disease (coronary heart disease, heart failure) (n=720):
- Race other than Caucasian and African-American (n=14):
  - Missing covariates (n=673):
    - Missing education (n=5)
    - Missing BMI (n=7)
    - Missing smoking (n=50)
    - Missing drinking (n=29)
    - Missing SBP (n=7)
    - Missing antihypertensive med (n=7)
    - Missing physical activity (n=14)
    - Missing impaired kidney function (n=1)
    - Missing new kidney damage (n=448)
    - Missing left ventricular hypertrophy (n=31)
    - Missing diastolic dysfunction (n=34)

V5 participants with complete covariates  
N=5,131

- Missing biomarkers (n=155):
  - Missing NT-proBNP (n=153)
  - Missing hs-cTnT (n=2)

V5 participants with complete biomarkers  
N=4,976

- Missing all PWV measures (n=879)

Clinical conditions related to PWV (n=494):
- BMI >=40kg/m (n=191)
- Severe arrhythmia (n=166)
- Revascularization (n=80)
- Aortic aneurysm (n=3)
- Aortic stenosis and regurgitation (n=48)
- Ejection fraction <30% (n=6)

PWV outliers (n=255):
- cPWV outlier (n=35)
- hfPWV outlier (n=31)
- hcPWV outlier (n=57)
- haPWV outlier (n=28)
- baPWV outlier (n=53)
- fPWV outlier (n=51)

Final analytical sample  
N=3,348