Participants with accelerometer data  
\[ n = 103,687 \]

Participants with usable accelerometer data and without prevalent cardiovascular disease  
\[ n = 91,040 \]

Participants included in the main analysis  
\[ n = 90,211 \]

Low quality accelerometer data  
\[ n = 7,012 \]
- Device poorly calibrated = 11
- 0 >1% of values clipped before/after calibration = 0
- Unrealistically high acceleration values = 33
- Insufficient wear time = 6,995

Cardiovascular disease diagnosis in HES prior to accelerometer wear  
\[ n = 5,635 \]

Missing data for ethnicity, education, smoking status, alcohol consumption, or Townsend Deprivation Index  
\[ n = 829 \]