

CHARLS

Initial no. of individuals: 25,873  
Excluded: age <50  
→ 2186 individuals

Remaining: 23,687 individuals  
Excluded: missing arthritis information  
→ 311 individuals

Remaining: 23,376 individuals  
Excluded: missing all cognitive measures  
→ 1031 individuals

Remaining: 22,345 individuals  
Excluded: missing  
gender/education/marital status  
→ 1 individual

Remaining: 22,344 individuals  
Excluded: fewer than 2 waves of data  
→ 3782 individuals

Final sample: 18,562  
individuals

ELSA

Initial no. of individuals: 13,796  
Excluded: age <50  
→ 296 individuals

Remaining: 13,500 individuals  
Excluded: missing arthritis information  
→ 2 individuals

Remaining: 13,498 individuals  
Excluded: missing all cognitive measures  
→ 0 individuals

Remaining: 13,498 individuals  
Excluded: missing  
gender/education/marital status  
→ 1254 individuals

Remaining: 12,244 individuals  
Excluded: fewer than 2 waves of data  
→ 2396 individuals

Final sample: 9848 individuals

HRS

Initial no. of individuals: 28,057  
Excluded: age <50  
→ 616 individuals

Remaining: 27,441 individuals  
Excluded: missing arthritis information  
→ 0 individuals

Remaining: 27,441 individuals  
Excluded: missing all cognitive measures  
→ 1183 individuals

Remaining: 26,258 individuals  
Excluded: missing  
gender/education/marital status  
→ 5 individuals

Remaining: 26,253 individuals  
Excluded: fewer than 2 waves of data  
→ 3015 individuals

Final sample: 23,238  
individuals