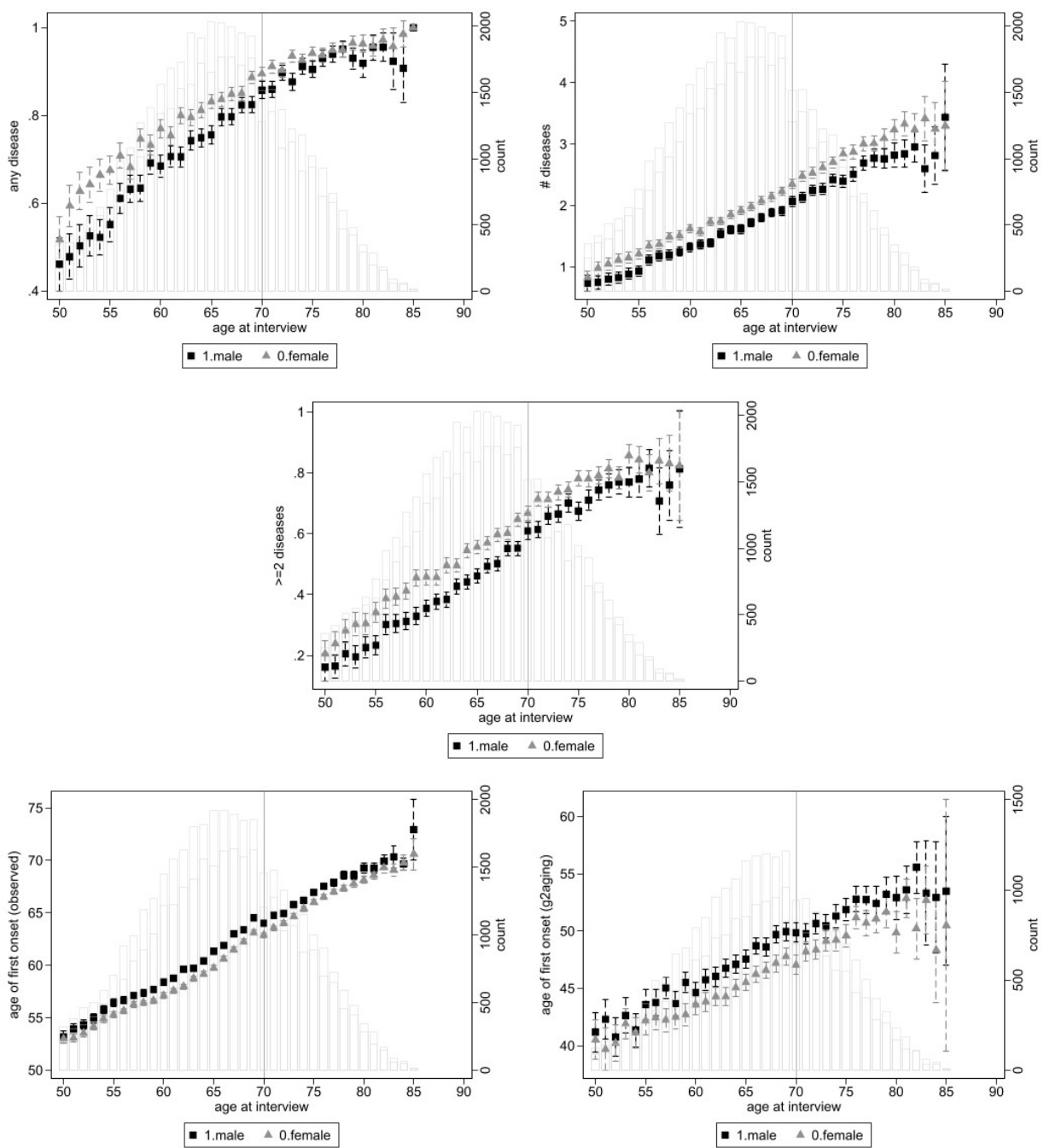


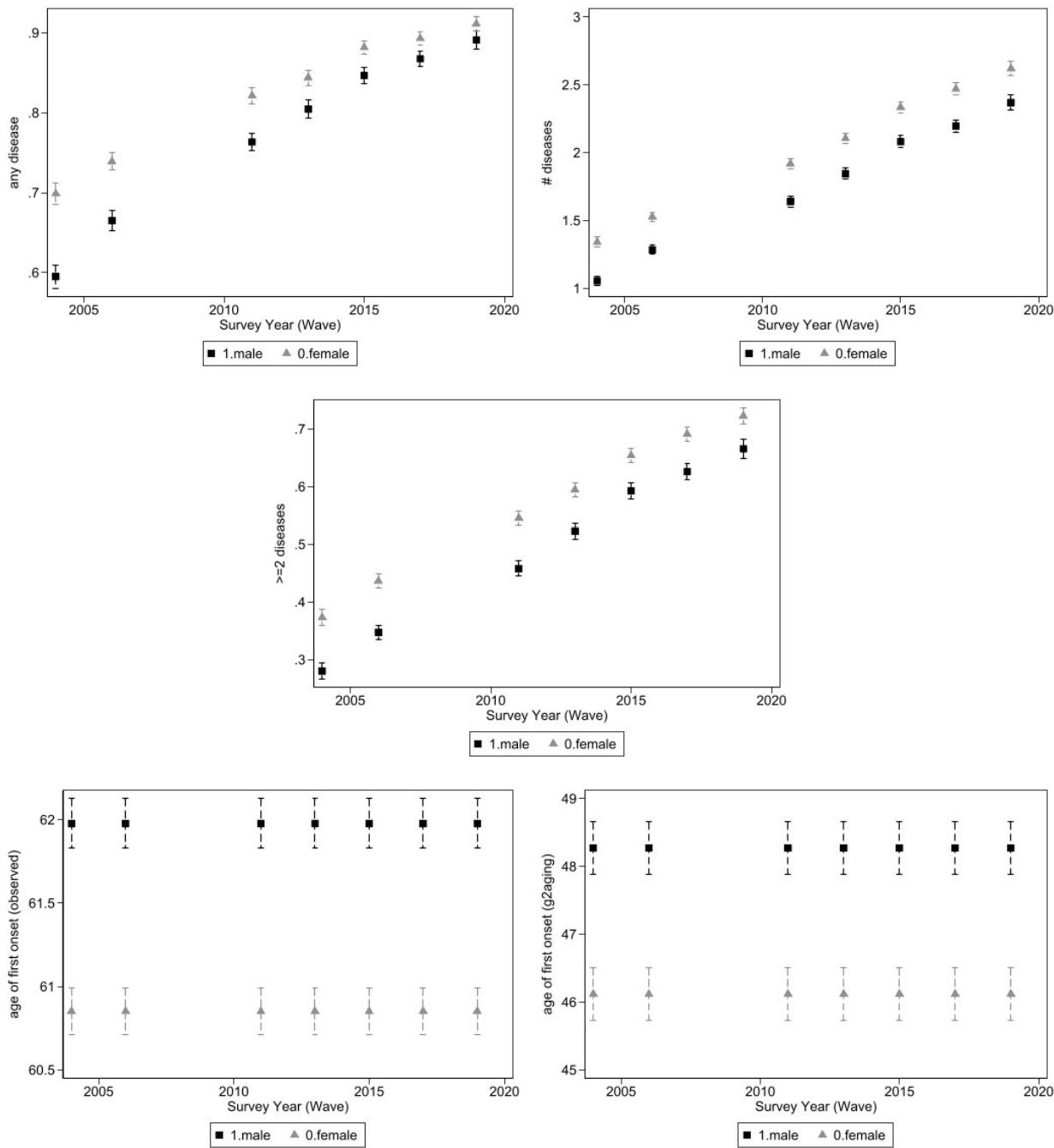
Figures and Tables

Figure 1: Outcome variable by age group



Notes:...

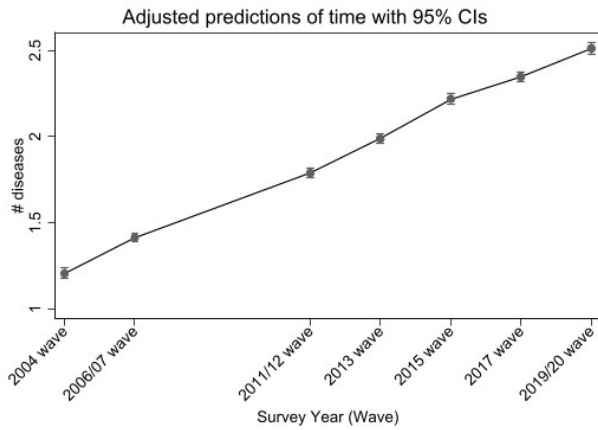
Figure 2: Outcome variable by wave



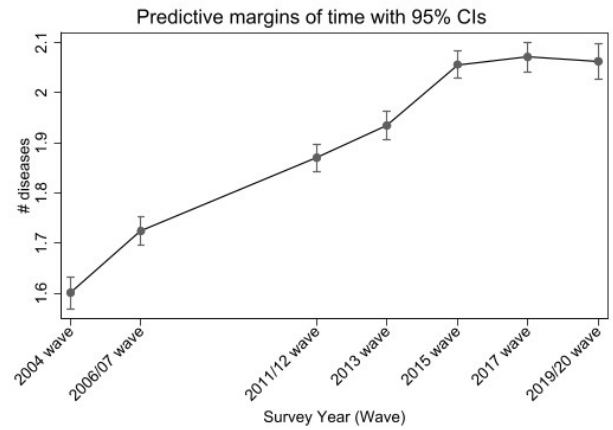
Notes:...

Figure 3: Adjusted predictions with and without controls

**Panel A: Full Sample**

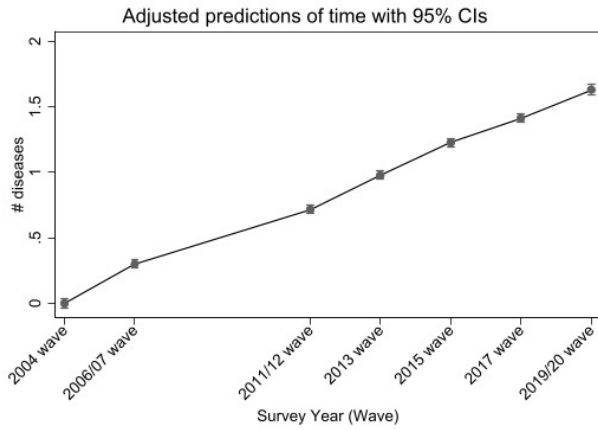


(a) without controls

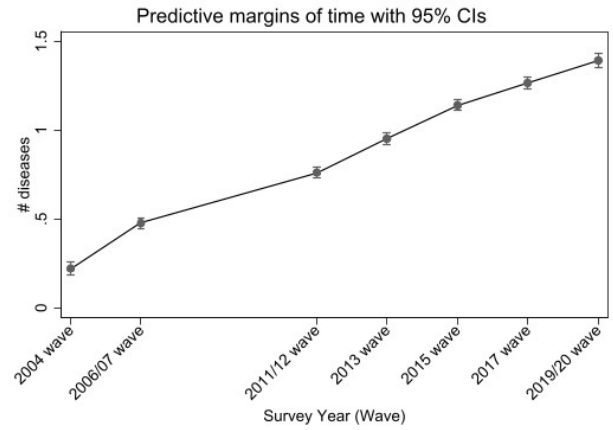


(b) with controls

**Panel B: baselineHealthy sample**



(c) without controls



(d) with controls

Notes:...

Table 1: Full sample: main statistics

|                                       | Wave 1<br>9,746 (10.7%) | Wave 2<br>13,238 (14.6%) | Wave 4<br>13,542 (14.9%) | Wave 5<br>13,349 (14.7%) | Wave 6<br>13,890 (15.3%) | Wave 7<br>14,390 (15.8%) | 1   |
|---------------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----|
| age at interview                      | 9,746 59.48 (6.28)      | 12,959 60.77 (6.49)      | 12,414 64.42 (6.45)      | 11,660 66.49 (6.43)      | 11,392 68.22 (6.43)      | 10,633 69.97 (6.47)      | 7,  |
| r interview year                      | 9,746 2004.31           | 12,959 2006.85           | 12,414 2011.05           | 11,660 2013.00           | 11,392 2015.00           | 10,633 2017.00           |     |
| rabyear: r birth year                 | 9,746 1944.45           | 13,238 1945.45           | 13,542 1945.71           | 13,349 1945.51           | 13,890 1945.60           | 14,390 1945.75           |     |
| radyear: r death year                 | 2,194 2012.74           | 2,832 2013.19            | 3,479 2013.64            | 3,155 2013.46            | 3,589 2013.51            | 4,289 2013.85            |     |
| dead                                  | 9,746 0.00              | 13,238 0.02              | 13,542 0.08              | 13,349 0.13              | 13,890 0.18              | 14,390 0.26              |     |
| already has disease at baseline       | 9,746 0.65              | 13,238 0.65              | 13,542 0.67              | 13,349 0.65              | 13,890 0.66              | 14,389 0.67              |     |
| male                                  | 9,746 0.46              | 13,238 0.46              | 13,542 0.47              | 13,349 0.47              | 13,890 0.47              | 14,390 0.48              |     |
| any disease                           | 9,746 0.65              | 12,959 0.70              | 12,414 0.79              | 11,660 0.82              | 11,392 0.86              | 10,629 0.88              |     |
| # diseases                            | 9,746 1.20 (1.24)       | 12,959 1.41 (1.35)       | 12,414 1.79 (1.48)       | 11,660 1.99 (1.55)       | 11,392 2.22 (1.60)       | 10,629 2.34 (1.61)       | 7,  |
| age of first onset (observed)         | 8,993 61.57 (6.68)      | 12,259 61.31 (6.64)      | 12,538 61.39 (6.58)      | 12,327 61.45 (6.62)      | 12,844 61.46 (6.56)      | 13,234 61.48 (6.54)      | 11, |
| age of first onset (g2aging)          | 5,378 47.42 (12.97)     | 7,381 47.40 (12.76)      | 7,713 47.13 (13.05)      | 7,452 47.38 (13.06)      | 7,888 47.48 (12.93)      | 8,148 47.41 (12.96)      | 7,2 |
| years first onset to death (observed) | 1,905 7.73 (4.49)       | 2,519 7.38 (4.37)        | 3,123 6.43 (4.10)        | 2,821 6.75 (4.24)        | 3,190 6.57 (4.14)        | 3,738 6.36 (4.12)        | 3   |
| months (observed) 1 to 2+ diseases    | 7,261 33.35 (45.94)     | 9,919 31.74 (43.88)      | 10,090 30.11 (42.83)     | 9,875 31.62 (43.81)      | 10,365 30.24 (42.85)     | 10,661 29.06 (42.43)     | 9,3 |
| months (observed) 2 to 3+ diseases    | 5,040 34.77 (44.85)     | 6,897 33.30 (42.72)      | 6,992 31.55 (41.76)      | 6,817 32.61 (42.35)      | 7,222 31.50 (41.58)      | 7,417 30.65 (41.36)      | 6,4 |
| months (observed) 3 to 4+ diseases    | 2,994 33.80 (42.56)     | 4,116 32.01 (40.84)      | 4,146 29.96 (39.44)      | 4,028 30.76 (40.10)      | 4,325 30.37 (39.97)      | 4,430 29.61 (39.77)      | 3,8 |
| months (observed) 4 to 5+ diseases    | 1,534 30.18 (39.43)     | 2,105 29.58 (38.45)      | 2,100 28.12 (37.22)      | 2,039 28.77 (37.96)      | 2,196 28.16 (37.62)      | 2,254 27.68 (37.49)      | 1,9 |
| months (observed) 5 to 6+ diseases    | 622 27.55 (36.35)       | 833 27.81 (35.44)        | 822 27.03 (34.16)        | 807 27.04 (35.16)        | 876 26.26 (34.28)        | 896 25.65 (34.52)        | 8   |
| months (observed) 6 to 7+ diseases    | 202 25.58 (32.33)       | 264 24.72 (32.03)        | 255 24.28 (31.81)        | 263 23.56 (30.79)        | 279 24.17 (31.39)        | 282 23.20 (31.05)        | 2   |
| months (observed) 7 to 8+ diseases    | 38 22.00 (30.81)        | 55 22.98 (28.65)         | 51 22.14 (28.71)         | 54 24.31 (27.99)         | 54 23.81 (27.24)         | 57 23.93 (27.84)         | 4   |
| months (observed) 8 to 9+ diseases    | 4 19.50 (39.00)         | 4 19.50 (39.00)          | 6 13.00 (31.84)          | 5 15.60 (34.88)          | 5 15.60 (34.88)          | 6 13.00 (31.84)          |     |
| r educ                                |                         |                          |                          |                          |                          |                          |     |
| 1.less than upper secondary           | 4,370 (44.8%)           | 5,711 (43.1%)            | 5,813 (42.9%)            | 5,701 (42.7%)            | 5,976 (43.0%)            | 6,223 (43.2%)            |     |
| 2.upper secondary or vocational       | 3,136 (32.2%)           | 4,609 (34.8%)            | 4,860 (35.9%)            | 4,646 (34.8%)            | 4,924 (35.4%)            | 5,162 (35.9%)            |     |
| 3.tertiary education                  | 2,240 (23.0%)           | 2,918 (22.0%)            | 2,869 (21.2%)            | 3,002 (22.5%)            | 2,990 (21.5%)            | 3,005 (20.9%)            |     |
| cohort                                |                         |                          |                          |                          |                          |                          |     |
| 50-59                                 | 4,537 (48.2%)           | 5,401 (42.7%)            | 3,005 (24.4%)            | 1,801 (15.5%)            | 920 (8.1%)               | 348 (3.3%)               |     |
| 60-69                                 | 4,481 (47.6%)           | 5,935 (46.9%)            | 6,186 (50.2%)            | 5,772 (49.7%)            | 5,637 (49.6%)            | 4,838 (45.6%)            |     |
| 70-79                                 | 396 (4.2%)              | 1,327 (10.5%)            | 3,133 (25.4%)            | 4,038 (34.8%)            | 4,474 (39.3%)            | 4,577 (43.1%)            |     |
| 80+                                   | 0 (0.0%)                | 0 (0.0%)                 | 0 (0.0%)                 | 3 (0.0%)                 | 339 (3.0%)               | 856 (8.1%)               |     |

Notes: The sample used is (everdead==1|inw\_tot&gt;=5), where hacohorts 1 and 2 are included

Table 2: Full sample: all diseases

|   | Wave 1<br>9,746 (10.7%) | Wave 2<br>13,238 (14.6%) | Wave 4<br>13,542 (14.9%) | Wave 5<br>13,349 (14.7%) | Wave 6<br>13,890 (15.3%) | Wave 7<br>14,390 (15.8%) |
|---|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| age of first onset (observed) for d.hibp                | 6,141 63.91 (6.98)      | 8,420 63.54 (6.89)       | 8,515 63.52 (6.82)       | 8,373 63.62 (6.87)       | 8,804 63.59 (6.78)       | 9,045 63.56 (6.70)       |
| age of first onset (observed) for d.diab                | 2,231 65.36 (7.20)      | 3,040 65.12 (7.05)       | 2,987 65.02 (7.01)       | 2,979 65.16 (7.04)       | 3,220 65.13 (6.94)       | 3,342 65.10 (6.86)       |
| age of first onset (observed) for d.heart               | 3,697 66.76 (7.18)      | 4,976 66.30 (7.14)       | 5,019 66.17 (7.05)       | 4,876 66.45 (7.08)       | 5,222 66.29 (7.03)       | 5,420 66.26 (6.95)       |
| age of first onset (observed) for d.lung                | 1,492 65.91 (7.59)      | 2,113 65.68 (7.46)       | 2,179 65.43 (7.33)       | 2,109 65.66 (7.44)       | 2,214 65.69 (7.30)       | 2,273 65.66 (7.22)       |
| age of first onset (observed) for d.psych               | 5,499 63.38 (7.98)      | 7,505 63.05 (7.89)       | 7,667 63.03 (7.76)       | 7,439 63.19 (7.86)       | 7,888 63.19 (7.80)       | 8,050 63.16 (7.72)       |
| age of first onset (observed) for d.osteo               | 2,025 65.87 (7.68)      | 2,673 65.56 (7.58)       | 2,599 65.48 (7.50)       | 2,671 65.61 (7.56)       | 2,739 65.61 (7.46)       | 2,779 65.58 (7.38)       |
| age of first onset (observed) for d.cancr               | 1,758 66.37 (7.28)      | 2,266 66.24 (7.31)       | 2,346 66.01 (7.31)       | 2,365 66.11 (7.30)       | 2,415 66.04 (7.26)       | 2,487 66.01 (7.18)       |
| age of first onset (observed) for d.strok               | 1,069 68.22 (7.65)      | 1,401 67.87 (7.58)       | 1,434 67.45 (7.46)       | 1,433 67.76 (7.48)       | 1,504 67.64 (7.37)       | 1,573 67.52 (7.29)       |
| age of first onset (observed) for d.arthr               | 4,775 64.82 (7.29)      | 6,734 64.51 (7.20)       | 6,869 64.41 (7.17)       | 6,603 64.61 (7.22)       | 6,904 64.52 (7.15)       | 7,013 64.49 (7.07)       |
| radiaghibp: R age first diagnosed with high BP          | 2,926 50.26 (11.07)     | 4,145 50.18 (10.77)      | 4,337 49.83 (11.09)      | 4,164 50.09 (11.05)      | 4,424 50.16 (10.92)      | 4,593 50.13 (10.84)      |
| radiagdiab: R age first diagnosed with diabetes         | 939 52.61 (10.52)       | 1,276 52.38 (10.07)      | 1,318 52.38 (10.46)      | 1,275 52.41 (10.47)      | 1,405 52.57 (10.42)      | 1,492 52.54 (10.34)      |
| radiagcancr: R age first diagnosed with cancer          | 532 53.08 (10.64)       | 682 53.31 (10.17)        | 756 53.77 (10.12)        | 747 53.27 (10.55)        | 780 53.55 (10.29)        | 818 53.83 (10.03)        |
| radiaglung: R age first diagnosed with lung disease     | 466 43.21 (17.88)       | 644 44.32 (17.69)        | 732 43.96 (17.98)        | 691 43.56 (18.27)        | 726 44.31 (17.92)        | 766 44.60 (17.66)        |
| radiagheart: R age first diagnosed with heart problem   | 918 51.75 (11.79)       | 1,277 51.33 (11.86)      | 1,392 50.82 (12.45)      | 1,287 51.26 (12.29)      | 1,425 51.13 (12.36)      | 1,520 51.00 (12.22)      |
| radiagstrok: R age first diagnosed with stroke          | 287 54.02 (9.85)        | 390 53.48 (10.29)        | 457 53.85 (10.50)        | 429 54.07 (10.66)        | 471 53.87 (10.65)        | 506 53.66 (10.53)        |
| radiagarthr: R age first diagnosed with arthritis       | 1,776 46.72 (13.00)     | 2,525 46.81 (12.89)      | 2,719 47.07 (12.74)      | 2,472 47.15 (12.93)      | 2,671 47.24 (12.76)      | 2,772 47.11 (12.68)      |
| radiaghip: R age first diagnosed with hip fracture      | 124 46.29 (18.65)       | 176 44.47 (18.26)        | 193 44.04 (18.07)        | 186 45.32 (18.24)        | 196 44.86 (18.26)        | 218 44.55 (18.00)        |
| radiagosteo: R age first diagnosed with osteoporosis    | 615 52.71 (10.53)       | 835 52.80 (10.44)        | 775 52.45 (10.59)        | 778 52.70 (10.61)        | 812 52.95 (10.51)        | 838 52.82 (10.43)        |
| radiagpsych: R age first diagnosed with psych disorder  | 7 39.57 (21.62)         | 13 41.38 (18.10)         | 19 41.16 (17.25)         | 21 42.76 (17.86)         | 24 44.38 (18.24)         | 24 44.38 (18.24)         |
| radiagkidney: R age first diagnosed with kidney disease | 0 . (.)                 | 0 . (.)                  | 1 65.00 (.)              | 1 65.00 (.)              | 9 53.00 (9.62)           | 9 53.00 (9.62)           |

Notes: The sample used is (everdead==1|inw\_tot&gt;=5), where hacohorts 1 and 2 are included

Table 3: baselineHealthy sample: main statistics

|                                       | Wave 1<br>3,427 (11.2%) | Wave 2<br>4,597 (15.0%) | Wave 4<br>4,525 (14.7%) | Wave 5<br>4,617 (15.0%) | Wave 6<br>4,655 (15.2%) | Wave 7<br>4,787 (15.6%) | Wave 8<br>4,099 (14.7%) |
|---------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| age at interview                      | 3,427 57.92 (6.24)      | 4,547 59.20 (6.46)      | 4,303 63.05 (6.41)      | 4,239 65.08 (6.37)      | 4,102 66.83 (6.39)      | 3,979 68.55 (6.50)      | 3,016 69.87 (6.59)      |
| r interview year                      | 3,427 2004.28           | 4,547 2006.84           | 4,303 2011.04           | 4,239 2013.00           | 4,102 2015.00           | 3,979 2017.00           | 3,016 2018.87           |
| rbyear: r birth year                  | 3,427 1945.98           | 4,597 1947.04           | 4,525 1947.18           | 4,617 1947.02           | 4,655 1947.14           | 4,787 1947.36           | 4,099 1947.87           |
| rdyear: r death year                  | 501 2013.14             | 625 2013.62             | 682 2013.70             | 669 2013.59             | 752 2013.61             | 915 2014.11             | 1,016 2014.47           |
| dead                                  | 3,427 0.00              | 4,597 0.01              | 4,525 0.05              | 4,617 0.08              | 4,655 0.12              | 4,787 0.17              | 4,099 0.21              |
| already has disease at baseline       | 3,427 0.00              | 4,597 0.00              | 4,525 0.00              | 4,617 0.00              | 4,655 0.00              | 4,739 0.00              | 4,099 0.00              |
| male                                  | 3,427 0.53              | 4,597 0.52              | 4,525 0.52              | 4,617 0.52              | 4,655 0.52              | 4,787 0.53              | 4,099 0.53              |
| any disease                           | 3,427 0.00              | 4,547 0.22              | 4,303 0.47              | 4,239 0.58              | 4,102 0.67              | 3,929 0.72              | 3,016 0.72              |
| # diseases                            | 3,427 0.00 (0.00)       | 4,547 0.30 (0.63)       | 4,303 0.72 (0.94)       | 4,239 0.97 (1.08)       | 4,102 1.22 (1.19)       | 3,929 1.40 (1.28)       | 3,016 1.40 (1.28)       |
| age of first onset (observed)         | 2,674 64.51 (6.98)      | 3,618 64.11 (6.84)      | 3,521 64.10 (6.82)      | 3,595 64.20 (6.82)      | 3,609 64.16 (6.78)      | 3,584 64.16 (6.77)      | 3,024 64.16 (6.77)      |
| age of first onset (g2aging)          | 114 53.61 (12.65)       | 139 53.24 (12.42)       | 149 52.03 (14.13)       | 161 52.59 (13.86)       | 150 52.19 (13.86)       | 149 52.26 (14.09)       | 135 52.26 (14.09)       |
| years first onset to death (observed) | 287 5.72 (3.80)         | 382 5.34 (3.57)         | 386 4.79 (3.48)         | 392 4.97 (3.56)         | 423 4.79 (3.45)         | 459 4.75 (3.42)         | 461 4.75 (3.42)         |
| months (observed) 1 to 2+ diseases    | 1,712 38.17 (40.78)     | 2,294 34.41 (38.44)     | 2,228 33.82 (37.88)     | 2,266 33.88 (38.10)     | 2,305 32.73 (36.93)     | 2,291 32.55 (36.94)     | 1,921 32.55 (36.94)     |
| months (observed) 2 to 3+ diseases    | 905 30.26 (36.32)       | 1,188 29.10 (34.23)     | 1,135 28.77 (34.03)     | 1,169 28.82 (34.14)     | 1,193 27.80 (33.32)     | 1,190 27.85 (33.57)     | 997 27.85 (33.57)       |
| months (observed) 3 to 4+ diseases    | 373 24.10 (31.79)       | 474 22.44 (29.91)       | 435 22.39 (29.58)       | 464 23.12 (30.27)       | 482 22.62 (29.56)       | 477 22.56 (29.83)       | 409 22.56 (29.83)       |
| months (observed) 4 to 5+ diseases    | 131 22.37 (30.09)       | 171 19.78 (28.35)       | 163 20.50 (28.91)       | 163 20.56 (29.16)       | 167 18.57 (27.16)       | 170 19.91 (28.71)       | 141 19.91 (28.71)       |
| months (observed) 5 to 6+ diseases    | 31 15.58 (26.62)        | 39 14.21 (24.39)        | 36 14.69 (25.12)        | 37 14.97 (24.83)        | 39 14.21 (24.39)        | 40 13.85 (24.18)        | 32 13.85 (24.18)        |
| months (observed) 6 to 7+ diseases    | 8 22.38 (25.52)         | 8 22.38 (25.52)         | 7 25.57 (25.78)         | 9 19.89 (25.01)         | 9 19.89 (25.01)         | 8 15.38 (22.48)         | 7 15.38 (22.48)         |
| months (observed) 7 to 8+ diseases    | 1 32.00 (.)             | 2 32.50 (0.71)          | 1 32.00 (.)             | 2 32.50 (0.71)          | 2 32.50 (0.71)          | 2 32.50 (0.71)          | 2 32.50 (0.71)          |
| months (observed) 8 to 9+ diseases    | 0 . (.)                 | 0 . (.)                 | 0 . (.)                 | 0 . (.)                 | 0 . (.)                 | 0 . (.)                 | 0 . (.)                 |
| r educ                                |                         |                         |                         |                         |                         |                         |                         |
| 1.less than upper secondary           | 1,260 (36.8%)           | 1,625 (35.3%)           | 1,593 (35.2%)           | 1,634 (35.4%)           | 1,644 (35.3%)           | 1,707 (35.7%)           | 1,409 (35.7%)           |
| 2.upper secondary or vocational       | 1,177 (34.3%)           | 1,695 (36.9%)           | 1,693 (37.4%)           | 1,680 (36.4%)           | 1,747 (37.5%)           | 1,809 (37.8%)           | 1,619 (37.8%)           |
| 3.tertiary education                  | 990 (28.9%)             | 1,277 (27.8%)           | 1,239 (27.4%)           | 1,303 (28.2%)           | 1,264 (27.2%)           | 1,271 (26.6%)           | 1,081 (26.6%)           |
| cohort                                |                         |                         |                         |                         |                         |                         |                         |
| 50-59                                 | 1,877 (57.9%)           | 2,291 (52.2%)           | 1,330 (31.3%)           | 863 (20.5%)             | 458 (11.2%)             | 190 (4.8%)              | 100 (2.5%)              |
| 60-69                                 | 1,280 (39.5%)           | 1,804 (41.1%)           | 2,109 (49.6%)           | 2,233 (53.0%)           | 2,252 (55.1%)           | 2,093 (52.8%)           | 1,819 (45.3%)           |
| 70-79                                 | 85 (2.6%)               | 290 (6.6%)              | 816 (19.2%)             | 1,114 (26.5%)           | 1,293 (31.7%)           | 1,470 (37.1%)           | 1,516 (37.8%)           |
| 80+                                   | 0 (0.0%)                | 0 (0.0%)                | 0 (0.0%)                | 1 (0.0%)                | 82 (2.0%)               | 212 (5.3%)              | 212 (5.3%)              |

Notes: The sample used is &amp; (d\_an yatfirstobs==0), where hacohorts 1 and 2 are included

Table 4: baselineHealthy sample: main statistics

|   | Wave 1<br>3,427 (11.2%) | Wave 2<br>4,597 (15.0%) | Wave 4<br>4,525 (14.7%) | Wave 5<br>4,617 (15.0%) | Wave 6<br>4,655 (15.2%) | Wave 7<br>4,787 (15.6%) |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| age of first onset (observed) for d_hibp                | 1,457 66.29 (6.86)      | 1,932 65.80 (6.83)      | 1,839 65.75 (6.77)      | 1,901 65.89 (6.79)      | 1,935 65.80 (6.78)      | 1,916 65.87 (6.78)      |
| age of first onset (observed) for d_diab                | 393 67.51 (7.00)        | 504 66.95 (6.92)        | 470 66.92 (6.78)        | 504 67.07 (6.85)        | 517 66.94 (6.82)        | 514 67.05 (6.82)        |
| age of first onset (observed) for d_heart               | 764 68.91 (6.62)        | 970 68.23 (6.75)        | 919 68.26 (6.59)        | 946 68.45 (6.67)        | 956 68.21 (6.64)        | 953 68.18 (6.64)        |
| age of first onset (observed) for d_lung                | 272 67.65 (7.15)        | 366 67.23 (7.02)        | 365 67.01 (6.99)        | 363 67.28 (7.05)        | 366 67.36 (7.02)        | 374 67.16 (7.02)        |
| age of first onset (observed) for d_psych               | 1,233 65.19 (7.82)      | 1,686 64.73 (7.62)      | 1,650 64.68 (7.55)      | 1,669 64.77 (7.58)      | 1,713 64.80 (7.56)      | 1,699 64.81 (7.56)      |
| age of first onset (observed) for d_osteo               | 416 67.51 (7.61)        | 539 67.12 (7.49)        | 517 67.03 (7.37)        | 546 67.06 (7.45)        | 533 67.01 (7.39)        | 523 67.01 (7.39)        |
| age of first onset (observed) for d_cancr               | 448 68.02 (6.73)        | 562 67.87 (6.76)        | 553 67.91 (6.80)        | 572 67.74 (6.81)        | 575 67.75 (6.79)        | 580 67.81 (6.79)        |
| age of first onset (observed) for d_strok               | 198 70.74 (6.62)        | 245 69.67 (7.00)        | 229 69.34 (6.86)        | 244 69.71 (6.98)        | 246 69.39 (6.92)        | 253 69.39 (6.92)        |
| age of first onset (observed) for d_arthr               | 1,150 66.73 (7.05)      | 1,611 66.11 (6.96)      | 1,581 66.14 (6.97)      | 1,582 66.19 (6.99)      | 1,595 66.20 (6.89)      | 1,580 66.14 (6.89)      |
| radiaghibp: R age first diagnosed with high BP          | 30 58.73 (9.17)         | 36 58.53 (11.07)        | 39 57.72 (10.35)        | 42 58.60 (10.46)        | 35 57.57 (10.29)        | 35 58.40 (10.29)        |
| radiagdiab: R age first diagnosed with diabetes         | 7 66.00 (6.66)          | 8 66.50 (6.32)          | 10 63.40 (8.71)         | 12 63.58 (8.12)         | 11 62.64 (7.79)         | 11 62.64 (7.79)         |
| radiagcancr: R age first diagnosed with cancer          | 9 62.33 (5.24)          | 10 63.00 (5.37)         | 13 62.92 (5.87)         | 14 62.71 (5.97)         | 14 62.71 (5.97)         | 14 62.71 (5.97)         |
| radiaglung: R age first diagnosed with lung disease     | 5 44.80 (21.56)         | 5 44.80 (21.56)         | 5 44.80 (21.56)         | 5 44.80 (21.56)         | 5 44.80 (21.56)         | 4 43.50 (24.56)         |
| radiagheart: R age first diagnosed with heart problem   | 7 53.57 (23.44)         | 7 54.86 (20.15)         | 9 38.44 (30.39)         | 9 38.00 (30.10)         | 10 40.00 (29.07)        | 10 40.00 (29.07)        |
| radiagstrok: R age first diagnosed with stroke          | 4 67.25 (5.56)          | 5 66.40 (5.18)          | 4 67.75 (4.86)          | 5 66.40 (5.18)          | 5 66.40 (5.18)          | 5 66.40 (5.18)          |
| radiagarthr: R age first diagnosed with arthritis       | 14 53.64 (8.60)         | 20 55.15 (7.74)         | 30 56.07 (8.93)         | 31 55.97 (8.82)         | 30 55.67 (8.81)         | 31 55.71 (8.81)         |
| radiaghip: R age first diagnosed with hip fracture      | 1 73.00 (.)             | 1 73.00 (.)             | 1 73.00 (.)             | 1 73.00 (.)             | 1 73.00 (.)             | 1 73.00 (.)             |
| radiagosteo: R age first diagnosed with osteoporosis    | 51 50.27 (11.09)        | 67 50.75 (9.44)         | 62 50.05 (10.52)        | 68 50.65 (10.28)        | 64 50.77 (10.55)        | 64 50.36 (10.55)        |
| radiagpsych: R age first diagnosed with psych disorder  | 2 25.00 (7.07)          | 3 29.33 (27.01)         | 5 32.60 (23.19)         | 5 32.60 (23.19)         | 5 34.60 (23.34)         | 5 34.60 (23.34)         |
| radiagkidney: R age first diagnosed with kidney disease | 0 . (.)                 | 0 . (.)                 | 0 . (.)                 | 0 . (.)                 | 0 . (.)                 | 0 . (.)                 |

Notes: The sample used is &amp; (d\_anyatfirstobs==0), where hacohorts 1 and 2 are included

## 0.1 Log files of output

[SHARE-1-harmon](#)

[SHARE-2-harmon-Part5](#)