

**Supplementary table 1: The social vulnerability index**

| Variable              | Description/Question  | Codification  | N (%)         | Mean ( $\pm$ SD) |
|-----------------------|---|---------------|---------------|------------------|
| Communication         | Knows how to write and read a message                                       | 1=No          | 12,276 (86.7) | 0.13 (0.3)       |
|                       |   | 0=Yes         | 1,883 (13.3)  |                  |
| Couple                | Is married or has a couple  | 1=No          | 4,260 (29.7)  | 0.2 (0.4)        |
|                       |   | 0=Yes         | 10,069 (70.3) |                  |
| Loneliness            | Feels lonely even if he/she is not alone                                    | 1=Yes         | 4,322 (30.1)  | 0.3 (0.5)        |
|                       |   | 0=No          | 10,007 (69.8) |                  |
| Couple understanding  | How much does your couple understand your feelings about things?            | 1=No couple   | 4,260 (29.8)  | 0.37 (0.43)      |
|                       |   | 0.6=Nothing   | 545 (3.8)     |                  |
|                       |   | 0.3=Something | 2,422 (16.9)  |                  |
|                       |   | 0=A lot       | 7,069 (49.4)  |                  |
| Couple reliability    | How much can you confide in your couple if you have a serious problem?      | 1=No couple   | 4,260 (29.8)  | 0.35 (0.44)      |
|                       |   | 0.3=Something | 466 (3.2)     |                  |
|                       |   | 0.6=Nothing   | 1,460 (10.2)  |                  |
|                       |   | 0=A lot       | 8,122 (56.7)  |                  |
| Couple listening      | How much does your couple listen if you need to talk about your worries?    | 1=No couple   | 4,260 (29.8)  | 0.37 (0.43)      |
|                       |   | 0.3=Something | 607 (4.2)     |                  |
|                       |   | 0.6=Nothing   | 1,973 (13.7)  |                  |
|                       |   | 0=A lot       | 7,464 (52.2)  |                  |
| Couple disappointment | How often does your couple disappoint you when you are counting on her/him? | 1=No couple   | 4,260 (29.8)  | 0.45 (0.41)      |
|                       |   | 0.6=A lot     | 2,200 (15.4)  |                  |
|                       |   | 0.3=Something | 2,431 (17.1)  |                  |
|                       |   | 0=Nothing     | 5,351 (37.6)  |                  |

|                         |   |               |               |             |
|-------------------------|---|---------------|---------------|-------------|
| Children understanding  | How much do your children understand your feelings about things?            | 1=No children | 800 (5.6)     | 0.15 (0.2)  |
|                         |   | 0.3=Something | 555 (3.9)     |             |
|                         |   | 0.6=Nothing   | 2,997 (21)    |             |
|                         |   | 0=A lot       | 9,892 (69.4)  |             |
| Children reliability    | How much can you confide in your children if you have a serious problem?    | 1=No children | 800 (5.6)     | 0.12 (0.26) |
|                         |   | 0.3=Something | 492 (3.4)     |             |
|                         |   | 0.6=Nothing   | 2,143 (15)    |             |
|                         |   | 0=A lot       | 10,826 (75.9) |             |
| Children listening      | How much do your children listen if you need to talk about your worries?    | 1=No children | 800 (5.6)     | 0.14 (0.27) |
|                         |   | 0.6=Nothing   | 612 (4.3)     |             |
|                         |   | 0.3=Something | 2,558 (17.9)  |             |
|                         |   | 0=A lot       | 10,286 (72.1) |             |
| Children disappointment | How often do your children disappoint you when you are counting on her/him? | 1=No children | 800 (5.6)     | 0.26 (0.31) |
|                         |   | 0.6=A lot     | 2,858 (20.1)  |             |
|                         |   | 0.3=Something | 3,283 (23.1)  |             |
|                         |   | 0=Nothing     | 7,248 (51.1)  |             |
| Friends understanding   | How much do your friends understand your feelings about things?             | 1=No friends  | 5,497 (33.5)  | 0.49 (0.43) |
|                         |   | 0.6=Nothing   | 788 (5.5)     |             |
|                         |   | 0.3=Something | 3,154 (22.2)  |             |
|                         |   | 0=A lot       | 4,765 (33.5)  |             |
| Friends reliability     | How much can you confide in your friends if you have a serious problem?     | 1=No friends  | 5,497 (33.5)  | 0.51 (0.42) |
|                         |   | 0.6=Nothing   | 1,067 (7.5)   |             |
|                         |   | 0.3=Something | 3,286 (23.1)  |             |
|                         |   | 0=A lot       | 4,391 (30.8)  |             |

|                        |  |                       |               |             |
|------------------------|--|-----------------------|---------------|-------------|
| Friends listening      | How much do your friends listen if you need to talk about your worries?    | 1=No friends          | 5,497 (33.5)  | 0.5 (0.43)  |
|                        |  | 0.3=Something         | 955 (6.7)     |             |
|                        |  | 0.6=Nothing           | 3,073 (21.6)  |             |
|                        |  | 0=A lot               | 4,723 (33.1)  |             |
| Friends disappointment | How often do your friends disappoint you when you are counting on her/him? | 1=No friends          | 5,497 (38.7)  | 0.51 (0.42) |
|                        |  | 0.6=A lot             | 1,262 (8.9)   |             |
|                        |  | 0.3=Something         | 3,007 (21.2)  |             |
|                        |  | 0=Nothing             | 4,429 (31.2)  |             |
| Planning future        | There's no sense in planning a lot for the future                          | 1=Agree               | 5,602 (39.7)  | 0.48 (0.46) |
|                        |  | 0.6=Somewhat agree    | 1,526 (10.8)  |             |
|                        |  | 0.3=Somewhat disagree | 827 (5.8)     |             |
|                        |  | 0=Disagree            | 6,133 (43.5)  |             |
| Good things            | The really good things that happen to one are mostly due to luck           | 1=Agree               | 5,426 (38.4)  | 0.5 (0.44)  |
|                        |  | 0.6=Somewhat agree    | 2,107 (14.9)  |             |
|                        |  | 0.3=Somewhat disagree | 1,109 (7.8)   |             |
|                        |  | 0=Disagree            | 5,470 (38.7)  |             |
| Responsible in success | One is responsible for one's own successes                                 | 1=Disagree            | 207 (1.4)     | 0.04 (0.15) |
|                        |  | 0.6=Somewhat disagree | 185 (1.3)     |             |
|                        |  | 0.3=Somewhat agree    | 793 (5.5)     |             |
|                        |  | 0=Agree               | 13,017 (91.6) |             |
| Do anything            | One can do just about anything she/he put her/his mind to                  | 1=Disagree            | 333 (2.3)     | 0.06 (0.1)  |
|                        |  | 0.6=Somewhat disagree | 275 (1.9)     |             |
|                        |  | 0.3=Somewhat agree    | 1,062 (7.4)   |             |
|                        |  | 0=Agree               | 12,538 (88.2) |             |

|                      |   |                       |               |             |
|----------------------|---|-----------------------|---------------|-------------|
| Bad luck             | Most of one's problems are due to bad luck                      | 1=Agree               | 3,144 (22.2)  | 0.32 (0.41) |
|                      |   | 0.6=Somewhat agree    | 1,465 (10.3)  |             |
|                      |   | 0.3=Somewhat disagree | 1,380 (9.7)   |             |
|                      |   | 0=Disagree            | 8,121 (57.5)  |             |
| Bad things           | One has little control on the bad things that happen to her/him | 1=Agree               | 6,658 (47.5)  | 0.62 (0.41) |
|                      |   | 0.6=Somewhat agree    | 2,447 (17.4)  |             |
|                      |   | 0.3=Somewhat disagree | 1,321 (9.4)   |             |
|                      |   | 0=Disagree            | 3,588 (25.6)  |             |
| Misfortunes          | One's misfortunes are the result of one's own mistakes          | 1=Disagree            | 2,155 (15.2)  | 0.24 (0.36) |
|                      |   | 0.6=Somewhat disagree | 854 (6.1)     |             |
|                      |   | 0.3=Somewhat agree    | 2,233 (15.8)  |             |
|                      |   | 0=Agree               | 8,864 (62.8)  |             |
| Failures             | One is responsible for one's own failures                       | 1=Disagree            | 298 (2.1)     | 0.04 (0.17) |
|                      |   | 0.6=Somewhat disagree | 168 (1.1)     |             |
|                      |   | 0.3=Somewhat agree    | 829 (5.8)     |             |
|                      |   | 0=Agree               | 12,904 (90.8) |             |
| Ideal                | In most things, my life is close to my ideal                    | 1=Disagree            | 1,714 (12.2)  | 0.2 (0.34)  |
|                      |   | 0.5=Neutral           | 2,263 (16.1)  |             |
|                      |   | 0=Agree               | 10,065 (71.6) |             |
| Excellent conditions | The conditions of my life are excellent                         | 1=Disagree            | 1,851 (13)    | 0.26 (0.35) |
|                      |   | 0.5=Neutral           | 3,724 (26.2)  |             |
|                      |   | 0=Agree               | 8,631 (60.7)  |             |
| Life satisfaction    | I am satisfied with my life                                     | 1=Disagree            | 776 (5.4)     | 0.1 (0.26)  |
|                      |   | 0.5=Neutral           | 1,405 (9.8)   |             |

|                              |  |             |               |             |
|------------------------------|--|-------------|---------------|-------------|
|                              |  | 0=Agree     | 12,070 (84.7) |             |
| Important things             | So far, I have gotten the things that are important to me in my life   | 1=Disagree  | 949 (6.6)     | 0.13 (0.28) |
|                              |  | 0.5=Neutral | 1,801 (12.6)  |             |
|                              |  | 0=Agree     | 11,471 (80.6) |             |
| Change nothing if born again | If I were to be born again, I would change almost nothing of my life   | 1=Disagree  | 2,687 (19)    | 0.26 (0.39) |
|                              |  | 0.5=Neutral | 2,232 (15.8)  |             |
|                              |  | 0=Agree     | 9,203 (65.1)  |             |
| Technology for communication | During the past year did you talk on the phone with relatives or friends or use the computer to send messages or use the internet? | 1=No        | 4,460 (31.1)  | 0.31 (0.46) |
|                              |  | 0=Yes       | 9,861 (68.8)  |             |
| Caregiving                   | During the past year did you care for a sick or disabled adult?  | 1=No        | 11,739 (81.9) | 0.81 (0.38) |
|                              |  | 0=Yes       | 2,581 (18)    |             |
| Babysit                      | During the past year did you care for children under 12 years old?   | 1=No        | 10,462 (73)   | 0.73 (0.4)  |
|                              |  | 0=Yes       | 3,862 (26.9)  |             |
| Volunteer                    | During the past year did you volunteer work or support an organization without pay or reward?                                      | 1=No        | 13,016 (90.9) | 0.9 (0.28)  |
|                              |  | 0=Yes       | 1,299 (9.1)   |             |
| Classes                      | During the past year did you attend a training course, lecture or class?   | 1=No        | 11,974 (83.6) | 0.83 (0.37) |
|                              |  | 0=Yes       | 2,344 (16.3)  |             |
| Club                         | During the past year did you attend a sporting or social club?   | 1=No        | 13,296 (92.8) | 0.92 (0.25) |
|                              |  | 0=Yes       | 1,026 (7.1)   |             |
| Read                         | During the past year did you read a book, magazine or newspaper?   | 1=No        | 5,797 (40.5)  | 0.4 (0.49)  |
|                              |  | 0=Yes       | 8,494 (59.4)  |             |
| Crosswords                   | During the past year did you do crosswords, puzzles, jigsaw puzzles or Sudoku?   | 1=No        | 11,840 (82.7) | 0.82 (0.37) |
|                              |  | 0=Yes       | 2,467 (17.2)  |             |
| Card games                   |  | 1=No        | 11,998 (83.8) | 0.83 (0.36) |

|                  |  |                                       |              |             |
|------------------|--|---------------------------------------|--------------|-------------|
|                  | During the past year did you play games such as cards, dominoes, or chess?                               | 0=Yes                                 | 2,308 (16.1) |             |
| Maintenance      | During the past year did you do activities having to do with home maintenance, repairs, gardening, etc.? | 1=No                                  | 6,496 (45.3) | 0.45 (0.49) |
|                  |  | 0=Yes                                 | 7,824 (54.6) |             |
| Television       | During the past year did you watch television?   | 1=No                                  | 1,285 (8.9)  | 0.08 (0.28) |
|                  |  | 0=Yes                                 | 13,039 (91)  |             |
| Crafts           | During the past year did you sew, embroider, knit or other crafts?                                       | 1=No                                  | 10,170 (71)  | 0.71 (0.45) |
|                  |  | 0=Yes                                 | 4,153 (29)   |             |
| Financial status | Would you say your financial situation is...?  | 1=Poor                                | 1,859 (12.9) | 0.71 (0.16) |
|                  |  | 0.75=Fair                             | 9,248 (64.6) |             |
|                  |  | 0.5=Good                              | 2,921 (20.4) |             |
|                  |  | 0.25=Very good                        | 192 (1.3)    |             |
|                  |  | 0=Excellent                           | 96 (0.6)     |             |
| Scholar          | Number of years in school  | Inverse reciprocal of years in school |              | 0.73 (0.21) |

**Supplementary table 2: The frailty index**

| Variable                                  | Description/Question   | Codification              | N (%)         | Mean ( $\pm$ SD) |
|---|--|---------------------------|---------------|------------------|
| Self-rated health                         | Would you say your health is...  | 1=Poor                    | 1,812 (12.6)  | 0.6 (0.21)       |
|   |  | 0.75=Fair                 | 7,271 (50.7)  |                  |
|   |  | 0.5=Good                  | 4,249 (29.6)  |                  |
|   |  | 0.25=Very good            | 637 (4.4)     |                  |
|   |  | 0=Excellent               | 357 (2.4)     |                  |
| Compared to 2 years ago self-rated health | Comparing your health now with your health two years ago, would you say your health now is...                    | 1=Much worse              | 534 (3.7)     | 0.53 (0.19)      |
|   |  | 0.75=Somewhat worse       | 3,707 (25.8)  |                  |
|   |  | 0.5=More or less the same | 8,055 (56.2)  |                  |
|   |  | 0.25=Somewhat better      | 1,497 (10.4)  |                  |
|   |  | 0=Much better             | 535 (3.7)     |                  |
| Compared to others health                 | Compared with other people your age, would you say that currently your health is...                              | 1=Worse                   | 1,591 (11.2)  | 0.38 (0.31)      |
|   |  | 0.5=Better                | 7,734 (54.5)  |                  |
|   |  | 0=More or less the same   | 4,857 (34.2)  |                  |
| Hypertension                              | Has doctor or medical personnel ever diagnosed you with hypertension or high blood pressure?                     | 1=Yes                     | 6,164 (43.1)  | 0.43 (0.49)      |
|   |  | 0=No                      | 8,133 (56.8)  |                  |
| Cancer                                    | Has doctor or medical personnel ever diagnosed you with cancer?  | 1=Yes                     | 303 (2.1)     | 0.02 (0.14)      |
|   |  | 0=No                      | 14,003 (97.8) |                  |
| Respiratory diseases                      | Has doctor or medical personnel ever told/diagnosed you with a respiratory illness, such as asthma or emphysema? | 1=Yes                     | 838 (5.8)     | 0.05 (0.23)      |
|   |  | 0=No                      | 13,465 (94.1) |                  |
| Stroke                                    | Has doctor or medical personnel told you that you had a stroke?  | 1=Yes                     | 283 (1.9)     | 0.01 (0.13)      |
|   |  | 0=No                      | 14,031 (98)   |                  |
| Arthritis                                 |  | 1=Yes                     | 1,942 (13.5)  | 0.13 (0.34)      |

|                    |  |                                 |               |              |
|--------------------|--|---------------------------------|---------------|--------------|
|                    | Has doctor or medical personnel ever diagnosed you with arthritis or rheumatism?   | 0=No                            | 12,357 (86.4) |              |
| Tuberculosis       | In the last 2 years, has doctor or medical personnel told you that you have tuberculosis?  | 1=Yes                           | 35 (0.2)      | 0.002 (0.04) |
|                    |  | 0=No                            | 14,262 (99.8) |              |
| Pneumonia          | In the last 2 years, has doctor or medical personnel told you that you have pneumonia?   | 1=Yes                           | 219 (1.6)     | 0.01 (0.12)  |
|                    |  | 0=No                            | 14,086 (98.4) |              |
| Herpes zoster      | In the last 2 years, has doctor or medical personnel told you that you have herpes zoster?   | 1=Yes                           | 266 (1.9)     | 0.01 (0.13)  |
|                    |  | 0=No                            | 14,028 (98.1) |              |
| Falls              | Have you fallen down (how many times) in the last two years?   | 1=More than 1                   | 3,569 (24.9)  | 0.31 (0.42)  |
|                    |  | 0.5=One                         | 2,028 (14.1)  |              |
|                    |  | 0=None                          | 8,726 (60.9)  |              |
| Adulthood fracture | In the last ten years, have you fractured any bone(s) including your hip?  | 1=Yes                           | 1,445 (10.3)  | 0.1 (0.3)    |
|                    |  | 0=No                            | 12,516 (89.6) |              |
| Vision             | How is your vision (with glasses)?   | 1=Poor/legally blind            | 1,043 (7.4)   | 0.58 (0.2)   |
|                    |  | 0.75=Fair                       | 5,045 (36.1)  |              |
|                    |  | 0.5=Good                        | 6,151 (43.9)  |              |
|                    |  | 0.25=Very good                  | 1,156 (8.2)   |              |
|                    |  | 0=Excellent                     | 594 (4.2)     |              |
| Hearing aid        | Do you usually use a hearing aid or auditory device?   | 1=Yes                           | 165 (1.1)     | 0.01 (0.1)   |
|                    |  | 0=No                            | 14,162 (98.8) |              |
| Pain               | Do you have pain? How is the pain the majority of the time? Does this pain limit your usual activities such as household chores or your job? | 1=Limiting severe pain          | 1,003 (7)     | 0.21 (0.3)   |
|                    |  | 0.85=Limiting moderate pain     | 1,088 (7.6)   |              |
|                    |  | 0.68=Limiting mild pain         | 515 (3.6)     |              |
|                    |  | 0.51=Not limiting severe pain   | 318 (2.2)     |              |
|                    |  | 0.34=Not limiting moderate pain | 1,237 (8.6)   |              |



|                      |   |                             |               |             |
|----------------------|---|-----------------------------|---------------|-------------|
|                      |   | 0.17=Not limiting mild pain | 1,310 (9.1)   |             |
|                      |   | 0=No pain                   | 8,848 (61.7)  |             |
| Depressed            | During the last week the majority of time felt depressed?                                 | 1=Yes                       | 4,977 (34.7)  | 0.34 (0.47) |
|                      |   | 0=No                        | 9,331 (65.2)  |             |
| Effort               | During the last week the majority of time felt everything you did was difficult to do?    | 1=Yes                       | 5,087 (35.5)  | 0.35 (0.47) |
|                      |   | 0=No                        | 9,220 (64.4)  |             |
| Restless sleep       | During the last week the majority of time had restless sleep?                             | 1=Yes                       | 6,005 (41.9)  | 0.41 (0.49) |
|                      |   | 0=No                        | 8,310 (58.1)  |             |
| Happy                | During the last week the majority of time felt happy?                                     | 1=Yes                       | 2,906 (20.3)  | 0.2 (0.4)   |
|                      |   | 0=No                        | 11,390 (79.6) |             |
| Enjoyed life         | During the last week the majority of time enjoyed life?                                   | 1=Yes                       | 3,275 (22.9)  | 0.2 (0.42)  |
|                      |   | 0=No                        | 11,019 (77.1) |             |
| Sad                  | During the last week the majority of time felt sad?                                       | 1=Yes                       | 5,797 (40.5)  | 0.4 (0.49)  |
|                      |   | 0=No                        | 8,517 (59.5)  |             |
| Tired                | During the last week the majority of time felt tired?                                     | 1=Yes                       | 8,478 (59.2)  | 0.59 (0.49) |
|                      |   | 0=No                        | 5,843 (40.8)  |             |
| Energy               | During the last week the majority of time felt energetic?                                 | 1=Yes                       | 6,876 (48.1)  | 0.48 (0.49) |
|                      |   | 0=No                        | 7,424 (51.9)  |             |
| Lost weight          | Compared with two years ago, your weight has decreased 5 kilos or more?                   | 1=Yes                       | 4,091 (28.8)  | 0.28 (0.45) |
|                      |   | 0=No                        | 10,126 (71.2) |             |
| Swelling             | During the last two years have you frequently had swelling in the feet or ankles?         | 1=Yes                       | 3,670 (25.6)  | 0.25 (0.43) |
|                      |   | 0=No                        | 10,653 (74.4) |             |
| Respiratory symptoms | During the last two years have you frequently had breathing, panting, coughing or phlegm? | 1=Yes                       | 2,571 (17.9)  | 0.17 (0.38) |
|                      |   | 0=No                        | 11,753 (82.1) |             |

|                          |  |                     |               |             |
|--------------------------|--|---------------------|---------------|-------------|
| Nausea                   | During the last two years have you frequently had nausea or fainting?  | 1=Yes               | 3,074 (21.4)  | 0.21 (0.41) |
|                          |  | 0=No                | 11,249 (78.6) |             |
| Fatigue                  | During the last two years have you frequently had severe fatigue or exhaustion?  | 1=Yes               | 3,145 (21.9)  | 0.21 (0.41) |
|                          |  | 0=No                | 11,176 (78.1) |             |
| Anorexia                 | In the last two years, have you eaten less because of loss of appetite, digestive problems, and difficulties chewing or swallowing?                  | 1=Often             | 731 (5.1)     | 0.17 (0.28) |
|                          |  | 0.5=Sometimes       | 3,484 (24.3)  |             |
|                          |  | 0=Rarely            | 10,099 (70.6) |             |
| Stomach pain             | In the last two years, have you frequently had stomach pain, indigestion or diarrhea?  | 1=Yes               | 3,099 (21.6)  | 0.21 (0.41) |
|                          |  | 0=No                | 11,223 (78.4) |             |
| Urinary incontinence     | In the last two years, have you frequently had: incontinence when coughing, sneezing, picking something up, exercising, or when had urge to urinate? | 1=Yes               | 1,268 (8.8)   | 0.08 (0.28) |
|                          |  | 0=No                | 13,056 (91.2) |             |
| Self-rated grip strength | How would you evaluate your hand strength (your dominant hand)?  | 1=Very weak         | 515 (3.6)     | 0.35 (0.24) |
|                          |  | 0.6=Somewhat weak   | 2,974 (20.7)  |             |
|                          |  | 0.3=Somewhat strong | 8,069 (56.3)  |             |
|                          |  | 0=Very strong       | 2,764 (19.3)  |             |
| Self-rated balance       | How often do you have difficulty with balance?   | 1=Often             | 907 (6.3)     | 0.24 (0.32) |
|                          |  | 0.6=Sometimes       | 2,625 (18.3)  |             |
|                          |  | 0.3=Rarely          | 2,481 (17.3)  |             |
|                          |  | 0=Never             | 8,299 (57.9)  |             |
| Rested                   | How often do you feel really rested when you wake up in the morning?   | 1=Rarely or never   | 1,545 (10.7)  | 0.24 (0.34) |
|                          |  | 0.5=Sometimes       | 4,010 (28)    |             |
|                          |  | 0=Most of the time  | 8,767 (61.2)  |             |
| Self-rated memory        | How would you evaluate your memory nowadays?   | 1=Poor              | 1,124 (8)     | 0.63 (0.2)  |
|                          |  | 0.75=Fair           | 6,913 (49.2)  |             |

|   |   |   |               |             |
|---|---|---|---------------|-------------|
|   |   | 0.5=Good  | 4,840 (34.4)  |             |
|   |   | 0.25=Very good  | 702 (5)       |             |
|   |   | 0=Excellent   | 459 (3.2)     |             |
| Self-rated memory compared to two years ago | Compared to the last two years, would you say your memory is?                         | 1=Worse   | 3,046 (21.7)  | 0.57 (0.25) |
|   |   | 0.5=More or less the same   | 10,093 (72.1) |             |
|   |   | 0=Better  | 851 (6)       |             |
| Verbal fluency                              | Names of animals in one minute  | Transformation of the score of the verbal fluency test, the highest score (37) was inverted and then a reciprocal was calculated in order to have a 0-1 score |               | 0.77 (0.07) |
| Orientation                                 | Three orientation questions   | 1=Three mistakes  | 680 (4.8)     | 0.17 (0.27) |
|   |   | 0.6=Two mistakes  | 922 (6.5)     |             |
|   |   | 0.3=One mistake   | 3,355 (24)    |             |
|   |   | 0=No mistakes   | 9,024 (64.5)  |             |
| Delayed recalling                           | Test of delayed recalling 8 words   | Transformation of the score of the verbal fluency test, the highest score (37) was inverted and then a reciprocal was calculated in order to have a 0-1 score |               |             |
| Walking blocks                              | Because of a health problem, do you have difficulty walking several blocks?           | 1=Can't do/doesn't do   | 105 (0.7)     | 0.14 (0.23) |
|   |   | 0.5=Yes   | 3,793 (26.7)  |             |
|   |   | 0=No  | 10,317 (72.6) |             |
| Running/jogging                             | Because of a health problem, do you have difficulty running or jogging one kilometer? | 1=Can't do/doesn't do   | 5,842 (41.3)  | 0.51 (0.44) |
|   |   | 0.5=Yes   | 2,808 (19.8)  |             |
|   |   | 0=No  | 5,516 (38.9)  |             |
| Sitting                                     | Because of a health problem, do you have difficulty sitting for about two hours?      | 1=Can't do/doesn't do   | 67 (0.5)      | 0.1 (0.2)   |
|   |   | 0.5=Yes   | 2,733 (19.2)  |             |
|   |   | 0=No  | 11,416 (80.3) |             |
| Getting up                                  |   | 1=Can't do/doesn't do   | 36 (0.3)      | 0.15 (0.23) |

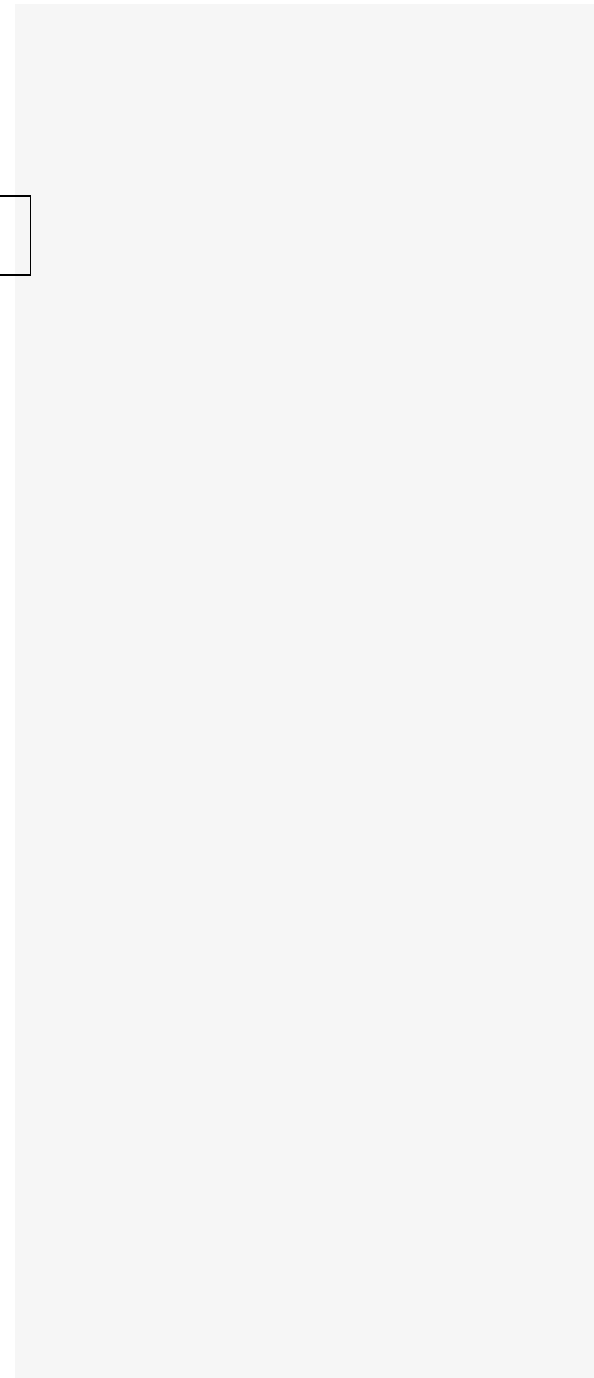
|                             |   |                       |               |             |
|-----------------------------|---|-----------------------|---------------|-------------|
|                             | Because of a health problem, do you have difficulty getting up from a chair after sitting for long periods?                         | 0.5=Yes               | 4,253 (29.9)  |             |
|                             |   | 0=No                  | 9,928 (69.8)  |             |
| Climbing stairs             | Because of a health problem, do you have difficulty climbing several flights of stairs without resting?                             | 1=Can't do/doesn't do | 1,242 (8.8)   | 0.28 (0.32) |
|                             |   | 0.5=Yes               | 5,593 (39.4)  |             |
|                             |   | 0=No                  | 7,352 (51.8)  |             |
| Stooping/kneeling/crouching | Because of a health problem, do you have difficulty stooping, kneeling, or crouching?   | 1=Can't do/doesn't do | 210 (1.5)     | 0.21 (0.26) |
|                             |   | 0.5=Yes               | 5,713 (40.2)  |             |
|                             |   | 0=No                  | 8,293 (58.3)  |             |
| Extending arms              | Because of a health problem, do you have difficulty reaching or extending your arms above shoulder level?                           | 1=Can't do/doesn't do | 36 (0.3)      | 0.06 (0.17) |
|                             |   | 0.5=Yes               | 1,877 (13.2)  |             |
|                             |   | 0=No                  | 12,304 (86.5) |             |
| Pulling/pushing             | Because of a health problem, do you have difficulty pulling or pushing large objects like a living-room chair?                      | 1=Can't do/doesn't do | 395 (2.8)     | 0.14 (0.25) |
|                             |   | 0.5=Yes               | 3,313 (23.3)  |             |
|                             |   | 0=No                  | 10,508 (73.9) |             |
| Lifting objects             | Because of a health problem, do you have difficulty lifting or carrying objects that weigh over 5kg, like a heavy bag of groceries? | 1=Can't do/doesn't do | 307 (2.2)     | 0.13 (0.24) |
|                             |   | 0.5=Yes               | 3,234 (22.7)  |             |
|                             |   | 0=No                  | 10,672 (75.1) |             |
| Picking                     | Because of a health problem, do you have difficulty picking up a coin from the table?   | 1=Can't do/doesn't do | 39 (0.3)      | 0.03 (0.13) |
|                             |   | 0.5=Yes               | 982 (6.9)     |             |
|                             |   | 0=No                  | 13,195 (92.8) |             |
| Dressing *                  | Because of a health problem, do you have difficulty dressing including putting on shoes and socks?                                  | 1=Can't do/doesn't do | 30 (0.2)      | 0.05 (0.15) |
|                             |   | 0.5=Yes               | 1,279 (9)     |             |
|                             |   | 0=No                  | 12,905 (90.8) |             |
| Walking in a room*          |   | 1=Can't do/doesn't do | 22 (0.2)      | 0.03 (0.12) |

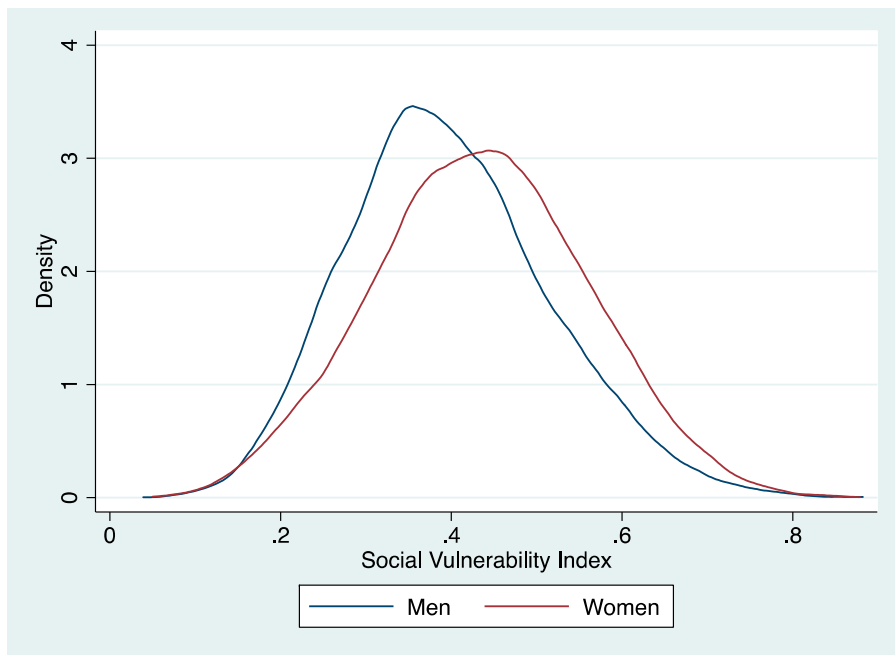
|                    |   |                       |               |             |
|--------------------|---|-----------------------|---------------|-------------|
|                    | Because of a health problem, do you have difficulty walking across a room?  | 0.5=Yes               | 744 (5.2)     |             |
|                    |   | 0=No                  | 13,451 (94.6) |             |
| Bathing *          | Because of a health problem, do you have difficulty bathing or showering?   | 1=Can't do/doesn't do | 31 (0.2)      | 0.02 (0.09) |
|                    |   | 0.5=Yes               | 415 (2.9)     |             |
|                    |   | 0=No                  | 13,741 (96.9) |             |
| Eating *           | Because of a health problem, do you have difficulty eating, such as cutting your food?                                      | 1=Can't do/doesn't do | 51 (0.4)      | 0.01 (0.09) |
|                    |   | 0.5=Yes               | 280 (1.9)     |             |
|                    |   | 0=No                  | 13,856 (97.7) |             |
| Going to bed *     | Because of a health problem, do you have difficulty getting into or out of bed?   | 1=Can't do/doesn't do | 13 (0.1)      | 0.15 (0.23) |
|                    |   | 0.5=Yes               | 960 (6.8)     |             |
|                    |   | 0=No                  | 13,214 (93.1) |             |
| Using the toilet * | Because of a health problem, do you have difficulty using the toilet, including getting on and off the toilet or squatting? | 1=Can't do/doesn't do | 28 (0.2)      | 0.02 (0.11) |
|                    |   | 0.5=Yes               | 651 (4.6)     |             |
|                    |   | 0=No                  | 13,508 (95.2) |             |
| Preparing a meal   | Because of a health problem, do you have difficulty preparing a hot meal?   | 1=Can't do/doesn't do | 712 (5)       | 0.07 (0.23) |
|                    |   | 0.5=Yes               | 509 (3.6)     |             |
|                    |   | 0=No                  | 12,995 (91.4) |             |
| Shopping           | Because of a health problem, do you have difficulty shopping for groceries?   | 1=Can't do/doesn't do | 388 (2.7)     | 0.06 (0.2)  |
|                    |   | 0.5=Yes               | 1,090 (7.7)   |             |
|                    |   | 0=No                  | 12,736 (89.6) |             |
| Taking medicines   | Because of a health problem, do you have difficulty taking medications (if you take any or needed to do so)?                | 1=Can't do/doesn't do | 171 (1.2)     | 0.02 (0.12) |
|                    |   | 0.5=Yes               | 305 (2.2)     |             |
|                    |   | 0=No                  | 13,741 (96.6) |             |
| Managing money     |   | 1=Can't do/doesn't do | 52 (0.4)      | 0.01 (0.09) |

|  |  |         |               |  |
|--|--|---------|---------------|--|
|  | Because of a health problem, do you have difficulty managing your money? | 0.5=Yes | 310 (2.2)     |  |
|  |  | 0=No    | 13,853 (97.4) |  |

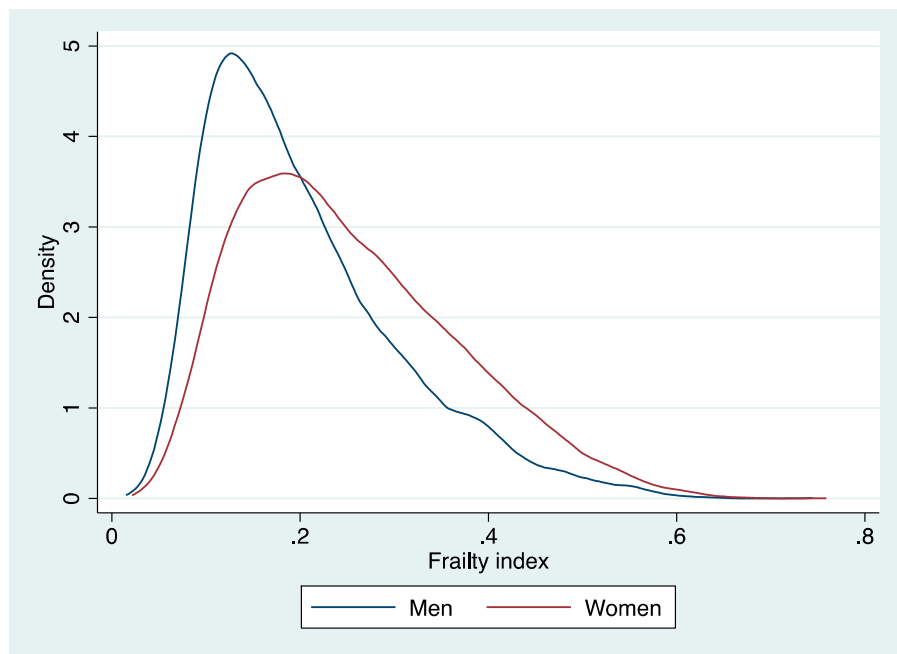
\*Activities of daily living

|



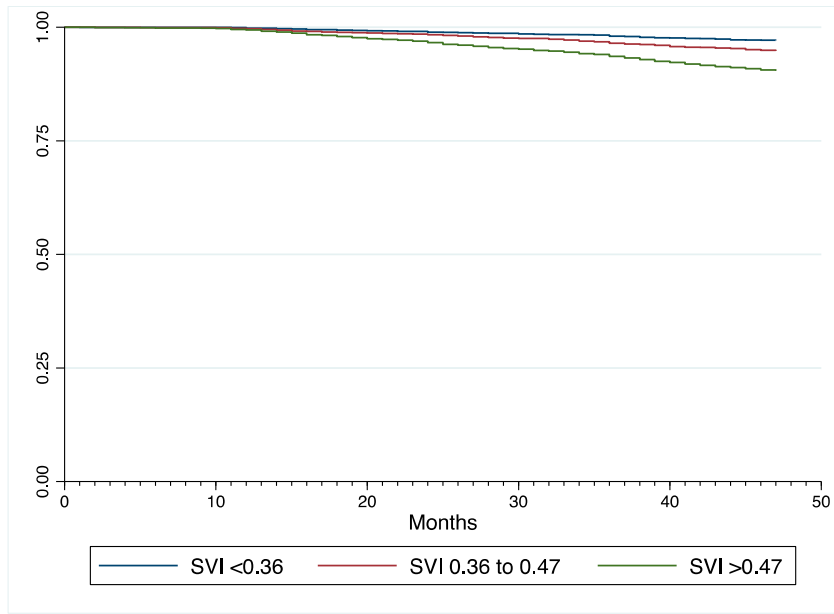


Supplementary figure 24: Kernel density of the social vulnerability index stratified for sex



**Supplementary figure 2.** Kernel distribution of the frailty index according to sex

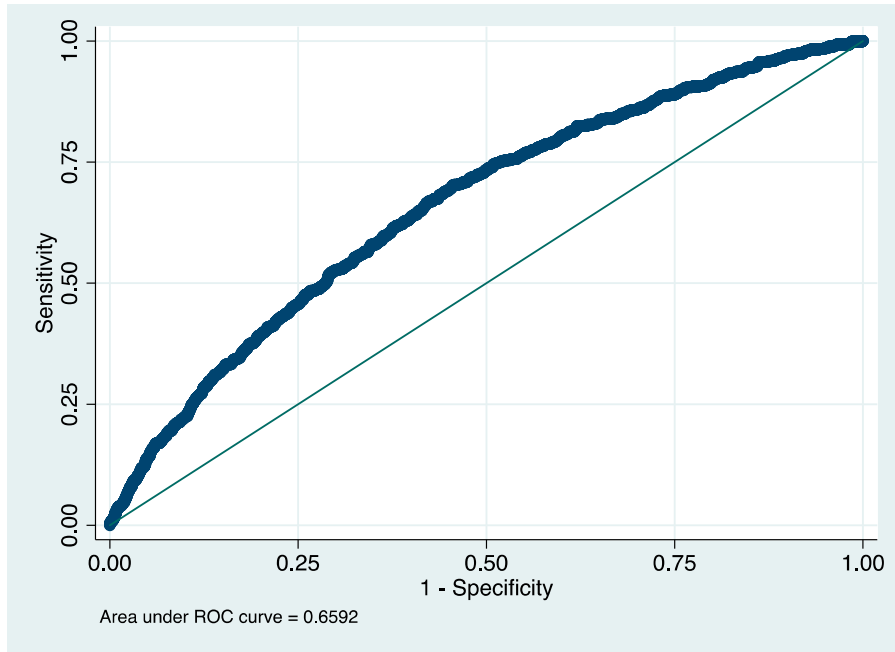




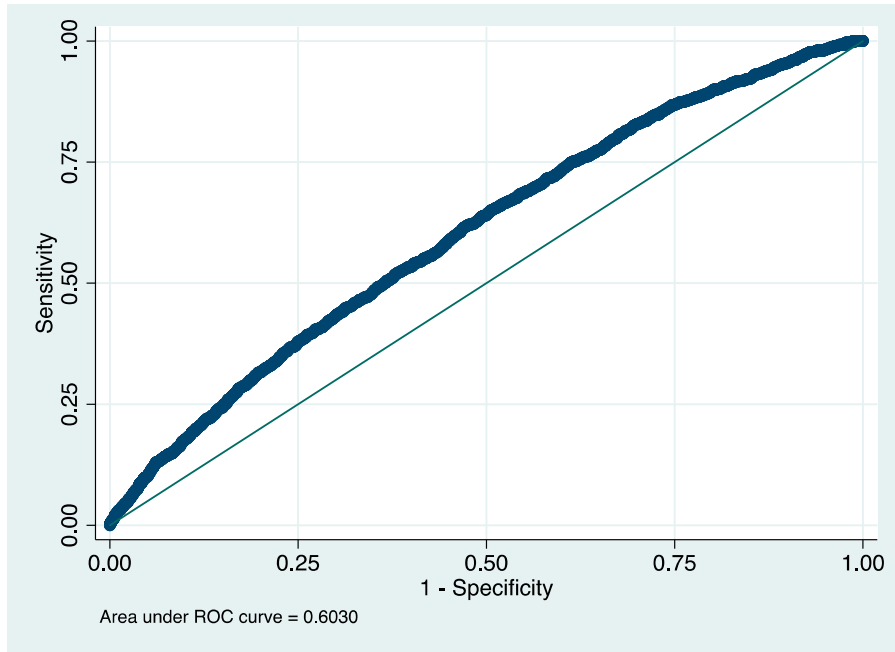
**Supplementary Figure 3:** Kaplan-Meier curves for social vulnerability index score tertiles

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**Supplementary Figure 43:** ROC curve for the social vulnerability index on mortality



**Supplementary Figure 54:** ROC curve for the social vulnerability index on incident disability

**Supplementary Table 3:** Cox and logistic regressions (mortality and incident disability respectively) fully adjusted with interaction terms between frailty index and social vulnerability index

|                              | Mortality |           |         | Incident disability |              |         |
|------------------------------|-----------|-----------|---------|---------------------|--------------|---------|
|                              | HR        | 95% CI    | p-value | OR                  | 95% CI       | p-value |
| SVI                          | 8.4       | 1.9-36.9  | 0.005   | 3.5                 | 1-13.6       | 0.05    |
| FI                           | 364.8     | 39.6-3353 | <0.001  | 5234                | 516.2-5306.1 | <0.001  |
| Sex                          | 0.5       | 0.4-0.6   | <0.001  | 0.89                | 0.77-1.03    | 0.125   |
| Age                          | 1.1       | 1.1-1.2   | <0.001  | 1.04                | 1.3-1.05     | <0.001  |
| Physically active            | 0.6       | 0.5-0.8   | <0.001  | 0.8                 | 0.7-0.9      | 0.001   |
| Tobacco use: Never-reference |           |           |         |                     |              |         |
| Former user                  | 1         | 0.8-1.2   | 0.89    | 0.9                 | 0.8-1.1      | 0.332   |
| Current user                 | 1.1       | 0.8-1.4   | 0.38    | 0.9                 | 0.7-1.1      | 0.319   |
| High-risk alcohol drinking   | 0.7       | 0.5-1.1   | 0.183   | 1.1                 | 0.9-1.4      | 0.161   |
| FI*SVI                       | 0.01      | 0.01-1.4  | 0.072   | 0.01                | 0.01-2.6     | 0.116   |

**Supplementary Table 4. Bivariate analysis of mortality. Women**

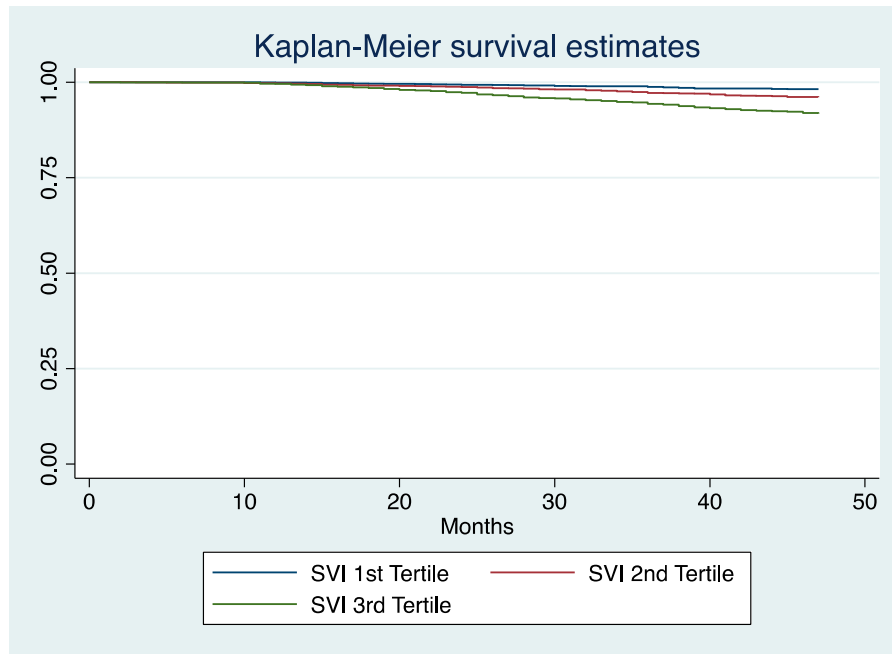
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|  | <u>Alive (n=7,390)</u> | <u>Dead (n=388)</u> | <u>p-value *</u> |
|--|------------------------|---------------------|------------------|
| <b>Age categories, n (%)</b>                 |                        |                     |                  |
| <u>40-49</u>                                 | <u>522 (7.1)</u>       | <u>3 (0.6)</u>      | <u>&lt;0.001</u> |
| <u>50-59</u>                                 | <u>2,518 (34.1)</u>    | <u>33 (8.5)</u>     |                  |
| <u>60-69</u>                                 | <u>2,546 (34.5)</u>    | <u>106 (27.3)</u>   |                  |
| <u>70-79</u>                                 | <u>1,378 (18.7)</u>    | <u>122 (31.4)</u>   |                  |
| <u>≥80</u>                                   | <u>426 (5.8)</u>       | <u>124 (32)</u>     |                  |
| <b>Physically active, n (%)</b>              | <u>2,496 (33.8)</u>    | <u>66 (17)</u>      | <u>&lt;0.001</u> |
| <b>Tobacco use, n (%)</b>                    |                        |                     |                  |
| <u>Never</u>                                 | <u>5,874 (79.5)</u>    | <u>330 (85.1)</u>   | <u>0.001</u>     |
| <u>Former user</u>                           | <u>981 (13.3)</u>      | <u>48 (12.3)</u>    |                  |
| <u>Current user</u>                          | <u>535 (7.2)</u>       | <u>10 (2.6)</u>     |                  |
| <b>High-risk alcohol drinking, n (%)</b>     | <u>283 (3.8)</u>       | <u>4 (1)</u>        | <u>0.004</u>     |
| <b>Social vulnerability index, mean (SD)</b> | <u>0.43 (0.12)</u>     | <u>0.51 (0.1)</u>   | <u>&lt;0.001</u> |
| <b>Frailty index, mean (SD)</b>              | <u>0.24 (0.1)</u>      | <u>0.34 (0.13)</u>  | <u>&lt;0.001</u> |

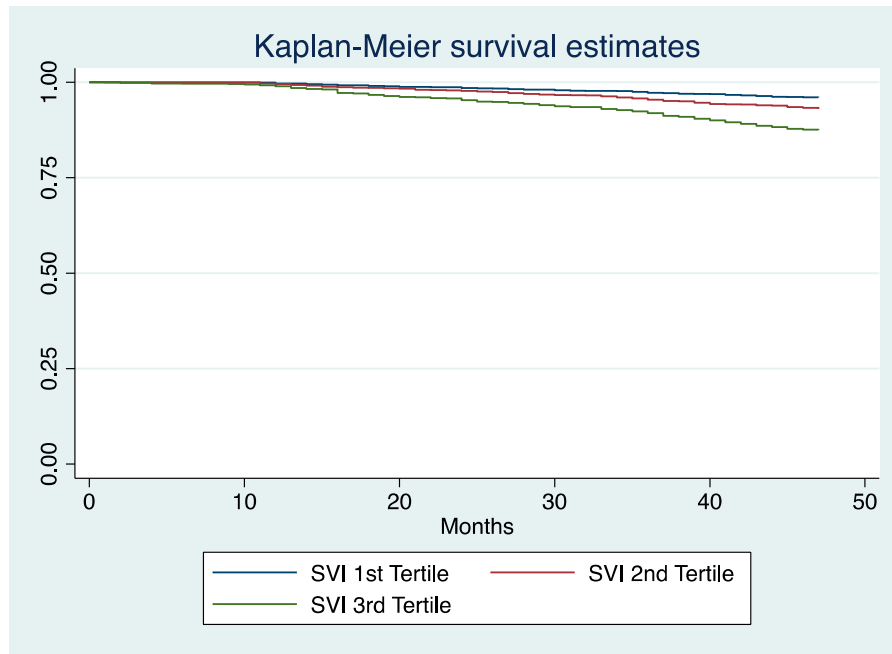
### Supplementary Table 5. Bivariate analysis of mortality. Men

|  | <u>Alive (n=5,118)</u> | <u>Dead (n=397)</u> | <u>p-value *</u> |
|--|------------------------|---------------------|------------------|
| <u>Age categories, n (%)</u>                 |                        |                     |                  |
| <u>40-49</u>                                 | <u>99 (1.9)</u>        | <u>1 (0.2)</u>      | <u>&lt;0.001</u> |
| <u>50-59</u>                                 | <u>1,469 (28.7)</u>    | <u>24 (6.1)</u>     |                  |
| <u>60-69</u>                                 | <u>2,070 (40.4)</u>    | <u>120 (30.2)</u>   |                  |
| <u>70-79</u>                                 | <u>1,110 (21.7)</u>    | <u>140 (35.2)</u>   |                  |
| <u>≥80</u>                                   | <u>370 (7.2)</u>       | <u>112 (28.2)</u>   |                  |
| <u>Physically active, n (%)</u>              | <u>2,531 (49.4)</u>    | <u>111 (27.9)</u>   | <u>&lt;0.001</u> |
| <u>Tobacco use, n (%)</u>                    |                        |                     |                  |
| <u>Never</u>                                 | <u>2,037 (39.8)</u>    | <u>144 (36.3)</u>   | <u>0.159</u>     |
| <u>Former user</u>                           | <u>2,095 (40.9)</u>    | <u>182 (45.8)</u>   |                  |
| <u>Current user</u>                          | <u>986 (19.3)</u>      | <u>71 (17.9)</u>    |                  |
| <u>High-risk alcohol drinking, n (%)</u>     | <u>910 (17.8)</u>      | <u>35 (8.8)</u>     | <u>&lt;0.001</u> |
| <u>Social vulnerability index, mean (SD)</u> | <u>0.39 (0.1)</u>      | <u>0.46 (0.12)</u>  | <u>&lt;0.001</u> |
| <u>Frailty index, mean (SD)</u>              | <u>0.19 (0.09)</u>     | <u>0.28 (0.12)</u>  | <u>&lt;0.001</u> |

**Supplementary Figure 6. Kaplan Meier for women,**



**Supplementary Figure 7. Kaplan Meier for men,**





**Supplementary Table 6. Bivariate analysis of disability. Women**

|  | <b>No disability (n=5,069)</b> | <b>Disability (n=828)</b> | <b>p-value *</b> |
|--|--------------------------------|---------------------------|------------------|
| <b>Age categories, n (%)</b>                 |                                |                           |                  |
| <b>40-49</b>                                 | <b>432 (8.5)</b>               | <b>29 (3.5)</b>           | <b>&lt;0.001</b> |
| <b>50-59</b>                                 | <b>2,001 (39.5)</b>            | <b>196 (23.7)</b>         |                  |
| <b>60-69</b>                                 | <b>1,714 (33.8)</b>            | <b>308 (37.2)</b>         |                  |
| <b>70-79</b>                                 | <b>760 (14.9)</b>              | <b>217 (26.2)</b>         |                  |
| <b>≥80</b>                                   | <b>162 (3.2)</b>               | <b>78 (9.4)</b>           |                  |
| <b>Physically active, n (%)</b>              | <b>1,894 (37.4)</b>            | <b>227 (27.4)</b>         | <b>&lt;0.001</b> |
| <b>Tobacco use, n (%)</b>                    |                                |                           |                  |
| <b>Never</b>                                 | <b>4,024 (79.4)</b>            | <b>675 (81.5)</b>         | <b>0.363</b>     |
| <b>Former user</b>                           | <b>662 (13.1)</b>              | <b>96 (11.6)</b>          |                  |
| <b>Current user</b>                          | <b>383 (7.6)</b>               | <b>57 (6.9)</b>           |                  |
| <b>High-risk alcohol drinking, n (%)</b>     | <b>214 (4.2)</b>               | <b>27 (3.3)</b>           | <b>0.195</b>     |
| <b>Social vulnerability index, mean (SD)</b> | <b>0.41 (0.12)</b>             | <b>0.46 (0.12)</b>        | <b>&lt;0.001</b> |
| <b>Frailty index, mean (SD)</b>              | <b>0.21 (0.09)</b>             | <b>0.27 (0.1)</b>         | <b>&lt;0.001</b> |

### Supplementary Table 7. Bivariate analysis of disability. Men

|  | <u>No disability (n=3,881)</u> | <u>Disability (n=539)</u> | <u>p-value *</u> |
|--|--------------------------------|---------------------------|------------------|
| <u>Age categories, n (%)</u>                 |                                |                           |                  |
| <u>40-49</u>                                 | <u>85 (2.2)</u>                | <u>5 (0.9)</u>            | <u>&lt;0.001</u> |
| <u>50-59</u>                                 | <u>1,309 (33.7)</u>            | <u>94 (17.4)</u>          |                  |
| <u>60-69</u>                                 | <u>1,592 (41)</u>              | <u>213 (39.5)</u>         |                  |
| <u>70-79</u>                                 | <u>725 (18.7)</u>              | <u>154 (28.6)</u>         |                  |
| <u>≥80</u>                                   | <u>170 (4.4)</u>               | <u>73 (13.5)</u>          |                  |
| <u>Physically active, n (%)</u>              | <u>2,030 (52.3)</u>            | <u>228 (42.3)</u>         | <u>&lt;0.001</u> |
| <u>Tobacco use, n (%)</u>                    |                                |                           |                  |
| <u>Never</u>                                 | <u>1,579 (40.7)</u>            | <u>227 (42.1)</u>         | <u>0.059</u>     |
| <u>Former user</u>                           | <u>1,516 (39.1)</u>            | <u>226 (41.9)</u>         |                  |
| <u>Current user</u>                          | <u>786 (20.3)</u>              | <u>86 (15.9)</u>          |                  |
| <u>High-risk alcohol drinking, n (%)</u>     | <u>748 (19.3)</u>              | <u>89 (16.5)</u>          | <u>0.125</u>     |
| <u>Social vulnerability index, mean (SD)</u> | <u>0.38 (0.1)</u>              | <u>0.42 (0.1)</u>         | <u>&lt;0.001</u> |
| <u>Frailty index, mean (SD)</u>              | <u>0.16 (0.07)</u>             | <u>0.23 (0.09)</u>        | <u>&lt;0.001</u> |

**Supplementary Table 8. Multivariate analysis of mortality and incident disability. Women**

|  | <u>Mortality</u> |                |                  |                |                  |                  | <u>Incident disability</u> |                |                  |                |                 |                  |
|--|------------------|----------------|------------------|----------------|------------------|------------------|----------------------------|----------------|------------------|----------------|-----------------|------------------|
|  | <u>Model 1</u>   |                |                  | <u>Model 2</u> |                  |                  | <u>Model 1</u>             |                |                  | <u>Model 2</u> |                 |                  |
|  | <u>HR</u>        | <u>95% CI</u>  | <u>p-value</u>   | <u>HR</u>      | <u>95% CI</u>    | <u>p-value</u>   | <u>OR</u>                  | <u>95% CI</u>  | <u>p-value</u>   | <u>OR</u>      | <u>95% CI</u>   | <u>p-value</u>   |
| <u>Social vulnerability index tertiles</u> |                  |                |                  |                |                  |                  |                            |                |                  |                |                 |                  |
| <u>&lt;0.36</u>                            | <u>Reference</u> |                |                  |                |                  |                  |                            |                |                  |                |                 |                  |
| <u>0.36-0.47</u>                           | <u>2.2</u>       | <u>1.5-3.2</u> | <u>&lt;0.001</u> | <u>1.2</u>     | <u>0.9-1.5</u>   | <u>0.054</u>     | <u>1.5</u>                 | <u>1.2-1.8</u> | <u>&lt;0.001</u> | <u>1.07</u>    | <u>0.87-1.3</u> | <u>0.487</u>     |
| <u>&gt;0.47</u>                            | <u>4.8</u>       | <u>3.4-6.7</u> | <u>&lt;0.001</u> | <u>1.4</u>     | <u>1.1-1.8</u>   | <u>&lt;0.001</u> | <u>2.4</u>                 | <u>1.9-2.9</u> | <u>&lt;0.001</u> | <u>1.2</u>     | <u>0.97-1.4</u> | <u>0.078</u>     |
| <u>Age categories</u>                      |                  |                |                  |                |                  |                  |                            |                |                  |                |                 |                  |
| <u>40-49</u>                               | <u>Reference</u> |                |                  |                |                  |                  |                            |                |                  |                |                 |                  |
| <u>50-59</u>                               |                  |                |                  | <u>1.9</u>     | <u>0.7-5.3</u>   | <u>0.21</u>      |                            |                |                  | <u>1.26</u>    | <u>0.84-1.9</u> | <u>0.258</u>     |
| <u>60-69</u>                               |                  |                |                  | <u>5.4</u>     | <u>2-14.5</u>    | <u>0.001</u>     |                            |                |                  | <u>2.13</u>    | <u>1.42-3.2</u> | <u>&lt;0.001</u> |
| <u>70-79</u>                               |                  |                |                  | <u>9.2</u>     | <u>3.4-24.9</u>  | <u>&lt;0.001</u> |                            |                |                  | <u>2.97</u>    | <u>1.9-4.52</u> | <u>&lt;0.001</u> |
| <u>≥80</u>                                 |                  |                |                  | <u>19.1</u>    | <u>7.1-51.7</u>  | <u>&lt;0.001</u> |                            |                |                  | <u>4.34</u>    | <u>2.7-7.05</u> | <u>&lt;0.001</u> |
| <u>Physically active</u>                   |                  |                |                  | <u>0.6</u>     | <u>0.5-0.7</u>   | <u>&lt;0.001</u> |                            |                |                  | <u>0.78</u>    | <u>0.6-0.92</u> | <u>0.005</u>     |
| <u>Tobacco use</u>                         |                  |                |                  |                |                  |                  |                            |                |                  |                |                 |                  |
| <u>Never</u>                               | <u>Reference</u> |                |                  |                |                  |                  |                            |                |                  |                |                 |                  |
| <u>Former user</u>                         |                  |                |                  | <u>0.99</u>    | <u>0.83-1.18</u> | <u>0.84</u>      |                            |                |                  | <u>0.87</u>    | <u>0.68-1.1</u> | <u>0.256</u>     |
| <u>Current user</u>                        |                  |                |                  | <u>1.04</u>    | <u>0.81-1.3</u>  | <u>0.81</u>      |                            |                |                  | <u>1.01</u>    | <u>0.74-1.3</u> | <u>0.93</u>      |
| <u>High-risk alcohol drinking</u>          |                  |                |                  | <u>0.7</u>     | <u>0.5-1</u>     | <u>0.11</u>      |                            |                |                  | <u>1.12</u>    | <u>0.73-1.7</u> | <u>0.596</u>     |

| <b>Frailty index levels</b> |                  |                |                  |             |                 |                  |
|-----------------------------|------------------|----------------|------------------|-------------|-----------------|------------------|
| <b>&lt;0.1</b>              | <u>Reference</u> |                |                  |             |                 |                  |
| <b>0.11-0.2</b>             | <u>1.2</u>       | <u>0.7-1.9</u> | <u>0.05</u>      | <u>2.19</u> | <u>1.23-3.9</u> | <u>0.007</u>     |
| <b>0.21-0.3</b>             | <u>1.5</u>       | <u>0.9-2.3</u> | <u>0.092</u>     | <u>4.39</u> | <u>2.4-7.8</u>  | <u>&lt;0.001</u> |
| <b>&gt;0.31</b>             | <u>2.7</u>       | <u>1.7-4.2</u> | <u>&lt;0.001</u> | <u>8.6</u>  | <u>4.8-15.2</u> | <u>&lt;0.001</u> |

**Supplementary Table 9. Multivariate analysis of mortality and incident disability. Men**

|   | <b>Mortality</b> |                |                  |                |                  |                | <b>Incident disability</b> |                |                  |                |                 |                |
|---|------------------|----------------|------------------|----------------|------------------|----------------|----------------------------|----------------|------------------|----------------|-----------------|----------------|
|   | <b>Model 1</b>   |                |                  | <b>Model 2</b> |                  |                | <b>Model 1</b>             |                |                  | <b>Model 2</b> |                 |                |
|   | <b>HR</b>        | <b>95% CI</b>  | <b>p-value</b>   | <b>HR</b>      | <b>95% CI</b>    | <b>p-value</b> | <b>OR</b>                  | <b>95% CI</b>  | <b>p-value</b>   | <b>OR</b>      | <b>95% CI</b>   | <b>p-value</b> |
| <b><u>Social vulnerability index tertiles</u></b> |                  |                |                  |                |                  |                |                            |                |                  |                |                 |                |
| <b>&lt;0.36</b>                                   | <u>Reference</u> |                |                  |                |                  |                |                            |                |                  |                |                 |                |
| <b>0.36-0.47</b>                                  | <u>1.8</u>       | <u>1.3-2.3</u> | <u>&lt;0.001</u> | <u>1.18</u>    | <u>0.9-1.56</u>  | <u>0.218</u>   | <u>1.7</u>                 | <u>1.4-2.1</u> | <u>&lt;0.001</u> | <u>1.23</u>    | <u>0.98-1.5</u> | <u>0.068</u>   |
| <b>&gt;0.47</b>                                   | <u>3.3</u>       | <u>2.5-4.2</u> | <u>&lt;0.001</u> | <u>1.48</u>    | <u>1.12-1.95</u> | <u>0.006</u>   | <u>1.9</u>                 | <u>1.5-2.4</u> | <u>&lt;0.001</u> | <u>1.06</u>    | <u>0.81-1.3</u> | <u>0.662</u>   |
| <b><u>Age categories</u></b>                      |                  |                |                  |                |                  |                |                            |                |                  |                |                 |                |
| <b>40-49</b>                                      | <u>Reference</u> |                |                  |                |                  |                |                            |                |                  |                |                 |                |
| <b>50-59</b>                                      |                  |                |                  | <u>1.58</u>    | <u>0.21-11.7</u> | <u>0.65</u>    |                            |                |                  | <u>1.15</u>    | <u>0.45-2.9</u> | <u>0.768</u>   |
| <b>60-69</b>                                      |                  |                |                  | <u>4.63</u>    | <u>0.64-33.2</u> | <u>0.127</u>   |                            |                |                  | <u>1.85</u>    | <u>0.73-4.6</u> | <u>0.191</u>   |
| <b>70-79</b>                                      |                  |                |                  | <u>7.71</u>    | <u>1.07-55.4</u> | <u>0.042</u>   |                            |                |                  | <u>2.4</u>     | <u>0.96-6.2</u> | <u>0.06</u>    |

|                                   |                  |                  |                  |             |                 |                  |
|-----------------------------------|------------------|------------------|------------------|-------------|-----------------|------------------|
| <u>≥80</u>                        | <u>13.5</u>      | <u>1.87-97.5</u> | <u>0.01</u>      | <u>4.2</u>  | <u>1.6-10.9</u> | <u>0.004</u>     |
| <u>Physically active</u>          | <u>0.61</u>      | <u>0.48-0.76</u> | <u>&lt;0.001</u> | <u>0.8</u>  | <u>0.67-0.9</u> | <u>0.029</u>     |
| <u>Tobacco use</u>                |                  |                  |                  |             |                 |                  |
| <u>Never</u>                      | <u>Reference</u> |                  |                  |             |                 |                  |
| <u>Former user</u>                | <u>1.09</u>      | <u>0.8-1.36</u>  | <u>0.415</u>     | <u>0.92</u> | <u>0.75-1.1</u> | <u>0.492</u>     |
| <u>Current user</u>               | <u>1.28</u>      | <u>0.96-1.71</u> | <u>0.086</u>     | <u>0.81</u> | <u>0.61-1.1</u> | <u>0.143</u>     |
| <u>High-risk alcohol drinking</u> | <u>0.78</u>      | <u>0.54-1.1</u>  | <u>0.176</u>     | <u>1.13</u> | <u>0.8-1.46</u> | <u>0.342</u>     |
| <u>Frailty index levels</u>       |                  |                  |                  |             |                 |                  |
| <u>&lt;0.1</u>                    | <u>Reference</u> |                  |                  |             |                 |                  |
| <u>0.11-0.2</u>                   | <u>1.23</u>      | <u>0.74-2.07</u> | <u>0.412</u>     | <u>1.63</u> | <u>1.09-2.4</u> | <u>0.017</u>     |
| <u>0.21-0.3</u>                   | <u>1.54</u>      | <u>0.91-2.61</u> | <u>0.108</u>     | <u>3.72</u> | <u>2.45-5.6</u> | <u>&lt;0.001</u> |
| <u>&gt;0.31</u>                   | <u>3.15</u>      | <u>1.87-5.31</u> | <u>&lt;0.001</u> | <u>7.16</u> | <u>4.6-11.2</u> | <u>&lt;0.001</u> |