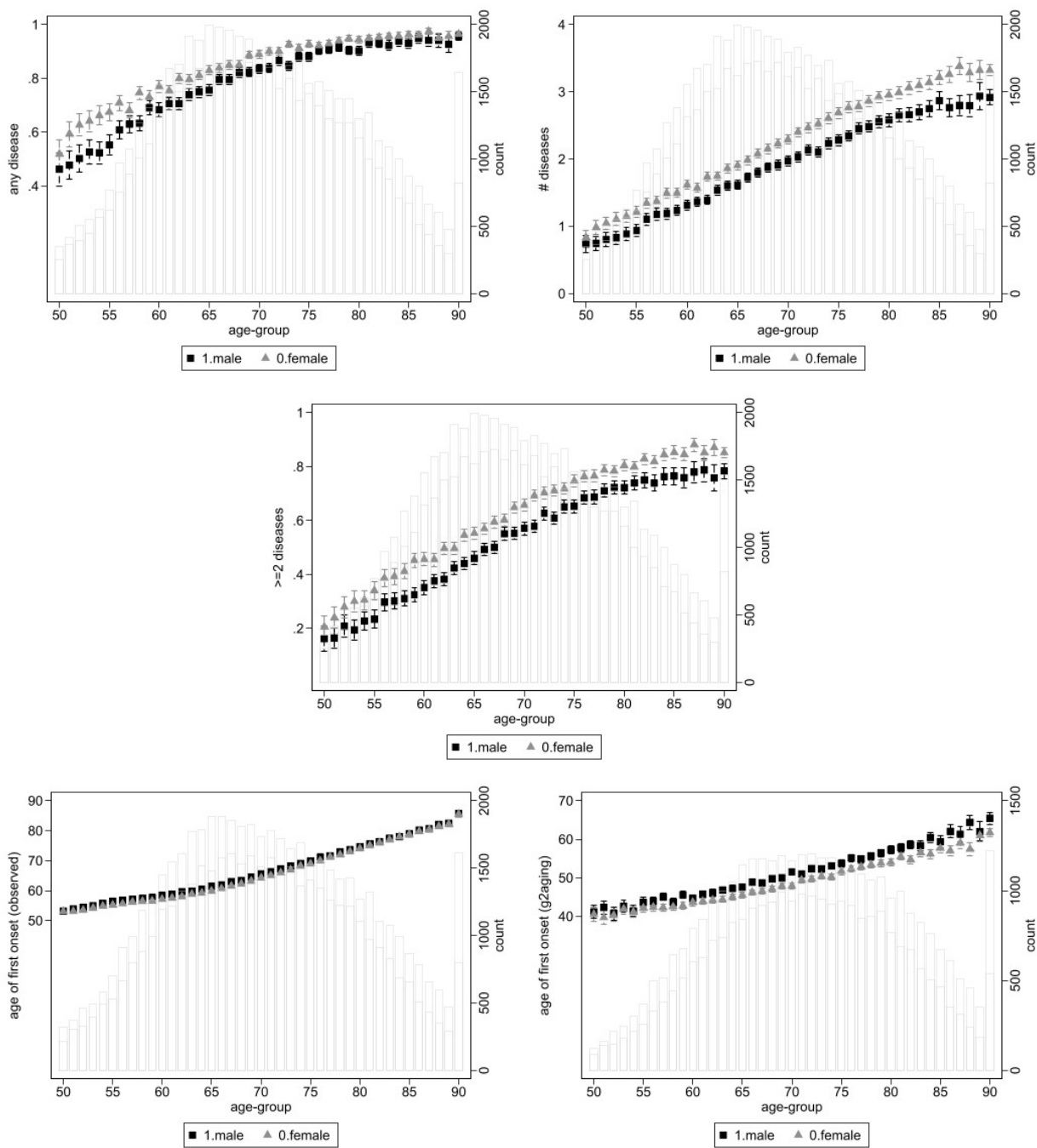


Figures and Tables

Figure 1: Outcome variable by age group



Notes: ...

Table 1: Full sample: main statistics

	Survey Wave						
	Wave 1	Wave 2	Wave 4	Wave 5	Wave 6	Wave 7	Wave 8
	9,350 (10.9%)	12,710 (14.9%)	12,975 (15.2%)	12,780 (15.0%)	13,301 (15.6%)	12,380 (14.5%)	11,946 (14.0%)
age at interview	59.03 (6.02)	60.33 (6.23)	64.00 (6.21)	66.08 (6.19)	67.83 (6.19)	69.78 (6.20)	72.29 (6.10)
dead	0.00 (0.00)	0.02 (0.14)	0.08 (0.27)	0.12 (0.33)	0.17 (0.38)	0.28 (0.45)	0.37 (0.48)
already has disease at baseline	0.64 (0.48)	0.65 (0.48)	0.66 (0.47)	0.65 (0.48)	0.66 (0.47)	0.66 (0.47)	0.67 (0.47)
# diseases	1.19 (1.24)	1.39 (1.34)	1.76 (1.47)	1.96 (1.54)	2.19 (1.59)	2.35 (1.61)	2.48 (1.64)
age of first onset (observed)	61.14 (6.49)	60.90 (6.45)	60.96 (6.38)	61.02 (6.43)	61.03 (6.37)	60.98 (6.37)	61.21 (6.29)
age of first onset (g2aging)	47.05 (12.82)	47.06 (12.62)	46.79 (12.91)	47.03 (12.93)	47.12 (12.80)	47.03 (12.80)	46.99 (12.97)
time to death from first onset (years)	7.69 (4.49)	7.35 (4.36)	6.40 (4.09)	6.71 (4.24)	6.54 (4.13)	6.33 (4.12)	6.48 (4.08)
time (observed) in months 1 to 2+ diseases	33.76 (46.21)	32.17 (44.19)	30.58 (43.15)	32.09 (44.11)	30.66 (43.14)	29.74 (42.81)	29.15 (43.68)
time (observed) in months 2 to 3+ diseases	35.16 (45.09)	33.58 (42.97)	31.85 (42.05)	33.00 (42.67)	31.82 (41.84)	31.11 (41.50)	30.83 (42.53)
time (observed) in months 3 to 4+ diseases	33.89 (42.58)	32.19 (41.02)	30.20 (39.73)	31.04 (40.28)	30.46 (40.07)	29.99 (39.97)	29.16 (40.29)
time (observed) in months 4 to 5+ diseases	30.12 (39.38)	29.91 (38.59)	28.43 (37.33)	29.02 (38.07)	28.53 (37.77)	28.55 (37.89)	27.88 (38.06)
time (observed) in months 5 to 6+ diseases	27.62 (36.52)	28.18 (35.71)	27.35 (34.24)	27.49 (35.44)	26.75 (34.55)	26.13 (34.85)	26.27 (34.69)
time (observed) in months 6 to 7+ diseases	25.53 (32.59)	24.37 (31.76)	24.65 (31.76)	23.72 (31.13)	24.09 (31.27)	23.36 (31.05)	23.52 (31.93)
time (observed) in months 7 to 8+ diseases	21.08 (30.70)	22.79 (28.94)	21.66 (29.30)	23.58 (28.73)	23.51 (28.01)	20.42 (25.82)	25.07 (30.23)
time (observed) in months 8 to 9+ diseases	19.50 (39.00)	19.50 (39.00)	15.60 (34.88)	19.50 (39.00)	19.50 (39.00)	19.50 (39.00)	0.00 (0.00)
r educ							
1.less than upper secondary education	4,124 (44.1%)	5,401 (42.5%)	5,495 (42.4%)	5,376 (42.1%)	5,637 (42.4%)	5,338 (43.1%)	5,014 (42.0%)
2.upper secondary and vocational training	3,043 (32.5%)	4,467 (35.1%)	4,696 (36.2%)	4,489 (35.1%)	4,760 (35.8%)	4,426 (35.8%)	4,403 (36.9%)
3.tertiary education	2,183 (23.3%)	2,842 (22.4%)	2,784 (21.5%)	2,915 (22.8%)	2,904 (21.8%)	2,616 (21.1%)	2,529 (21.2%)
cohort							
50-59	4,537 (50.3%)	5,401 (44.4%)	3,005 (25.4%)	1,801 (16.1%)	920 (8.4%)	245 (2.8%)	82 (1.1%)
60-69	4,481 (49.7%)	5,935 (48.8%)	6,186 (52.3%)	5,772 (51.6%)	5,637 (51.4%)	4,161 (46.7%)	2,584 (34.6%)
70-79	0 (0.0%)	817 (6.7%)	2,646 (22.4%)	3,606 (32.3%)	4,296 (39.1%)	3,995 (44.9%)	3,703 (49.6%)
80+	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	122 (1.1%)	502 (5.6%)	1,103 (14.8%)

Notes: The sample used is (everdead==1|inw_tot>=5), where hacohorts 1 and 2 are included

Table 2: Full sample: all diseases

	Survey Wave						
	Wave 1	Wave 2	Wave 4	Wave 5	Wave 6	Wave 7	Wave 8
N	9,350 (10.9%)	12,710 (14.9%)	12,975 (15.2%)	12,780 (15.0%)	13,301 (15.6%)	12,380 (14.5%)	11,946 (14.0%)
age of first onset (observed) for d_hibp	63.47 (6.82)	63.12 (6.74)	63.09 (6.66)	63.17 (6.71)	63.16 (6.62)	63.09 (6.63)	63.24 (6.5)
age of first onset (observed) for d_diab	64.88 (7.01)	64.67 (6.84)	64.55 (6.79)	64.68 (6.83)	64.66 (6.74)	64.59 (6.73)	64.50 (6.7)
age of first onset (observed) for d_heart	66.31 (7.08)	65.83 (7.02)	65.69 (6.94)	65.96 (6.98)	65.81 (6.91)	65.66 (6.92)	65.69 (6.8)
age of first onset (observed) for d_lung	65.46 (7.43)	65.20 (7.32)	64.96 (7.19)	65.13 (7.28)	65.18 (7.14)	64.99 (7.15)	65.15 (7.0)
age of first onset (observed) for d_psych	62.86 (7.72)	62.57 (7.65)	62.55 (7.54)	62.69 (7.63)	62.69 (7.57)	62.62 (7.52)	62.75 (7.4)
age of first onset (observed) for d_osteo	65.34 (7.45)	65.05 (7.39)	64.99 (7.32)	65.10 (7.37)	65.10 (7.25)	64.94 (7.37)	65.07 (7.2)
age of first onset (observed) for d_cancr	66.00 (7.14)	65.82 (7.15)	65.58 (7.14)	65.68 (7.13)	65.64 (7.10)	65.45 (7.12)	65.61 (7.0)
age of first onset (observed) for d_strok	67.67 (7.49)	67.31 (7.44)	66.90 (7.34)	67.19 (7.36)	67.08 (7.24)	66.76 (7.14)	67.06 (7.2)
age of first onset (observed) for d_arthr	64.43 (7.15)	64.11 (7.05)	63.98 (7.00)	64.18 (7.06)	64.11 (6.99)	63.95 (6.98)	64.30 (6.8)
radiaghibp: R age first diagnosed with high BP	49.87 (10.93)	49.79 (10.64)	49.43 (10.97)	49.71 (10.92)	49.80 (10.81)	49.72 (10.77)	49.57 (11.0)
radiagdiab: R age first diagnosed with diabetes	52.19 (10.40)	51.96 (9.95)	51.96 (10.36)	51.95 (10.34)	52.08 (10.27)	51.92 (10.18)	51.85 (10.4)
radiagcancr: R age first diagnosed with cancer	52.75 (10.47)	52.89 (10.02)	53.32 (9.90)	52.89 (10.36)	53.20 (10.11)	53.28 (10.06)	53.30 (10.2)
radiaglung: R age first diagnosed with lung disease	42.63 (17.53)	43.75 (17.49)	43.30 (17.84)	42.86 (18.10)	43.74 (17.73)	44.07 (17.51)	43.83 (17.5)
radiagheart: R age first diagnosed with heart problem	51.15 (11.80)	50.65 (11.82)	50.12 (12.34)	50.49 (12.31)	50.35 (12.38)	50.47 (11.99)	50.08 (12.7)
radiagstrok: R age first diagnosed with stroke	53.59 (9.77)	53.14 (9.90)	53.30 (10.29)	53.64 (10.12)	53.54 (10.17)	53.71 (10.06)	53.76 (9.5)
radiagarthr: R age first diagnosed with arthritis	46.28 (12.81)	46.43 (12.72)	46.75 (12.58)	46.81 (12.82)	46.86 (12.62)	46.78 (12.69)	47.14 (12.6)
radiaghip: R age first diagnosed with hip fracture	45.55 (18.16)	43.35 (17.88)	43.37 (17.44)	44.77 (17.76)	44.81 (17.68)	43.85 (17.54)	44.83 (17.0)
radiagosteo: R age first diagnosed with osteoporosis	52.27 (10.35)	52.22 (10.44)	51.97 (10.44)	52.13 (10.47)	52.38 (10.36)	52.09 (10.72)	52.69 (10.1)
radiagpsych: R age first diagnosed with psych disorder	33.83 (16.86)	38.67 (15.90)	39.83 (16.73)	39.95 (16.26)	42.09 (17.23)	40.81 (16.55)	41.58 (17.8)
radiagkidney: R age first diagnosed with kidney disease	. (.)	. (.)	65.00 (.)	65.00 (.)	53.00 (9.62)	51.33 (11.57)	53.00 (9.6)

Notes: The sample used is (everdead==1|inw_tot>=5), where hacohorts 1 and 2 are included

Table 3: baselineHealthy sample: main statistics

	Survey Wave						
	Wave 1	Wave 2	Wave 4	Wave 5	Wave 6	Wave 7	Wave 8
	3,342 (11.4%)	4,484 (15.3%)	4,413 (15.0%)	4,501 (15.3%)	4,535 (15.4%)	4,157 (14.2%)	3,928 (13.4%)
age at interview	57.62 (6.01)	58.89 (6.23)	62.77 (6.20)	64.81 (6.16)	66.57 (6.19)	68.51 (6.17)	71.09 (6.04)
dead	0.00 (0.00)	0.01 (0.10)	0.05 (0.21)	0.08 (0.27)	0.11 (0.32)	0.18 (0.39)	0.24 (0.43)
already has disease at baseline	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
# diseases	0.00 (0.00)	0.29 (0.62)	0.71 (0.93)	0.96 (1.07)	1.21 (1.18)	1.43 (1.26)	1.60 (1.33)
age of first onset (observed)	64.21 (6.81)	63.83 (6.68)	63.80 (6.63)	63.91 (6.65)	63.88 (6.61)	63.82 (6.59)	64.04 (6.58)
age of first onset (g2aging)	52.98 (12.61)	52.80 (12.44)	51.44 (14.16)	52.08 (13.91)	51.63 (13.99)	51.43 (14.66)	51.55 (14.38)
time to death from first onset (years)	5.69 (3.77)	5.29 (3.53)	4.79 (3.46)	4.89 (3.52)	4.75 (3.41)	4.70 (3.36)	4.77 (3.42)
time (observed) in months 1 to 2+ diseases	38.28 (40.80)	34.48 (38.46)	33.99 (37.95)	33.96 (38.14)	32.77 (36.94)	32.49 (36.80)	34.34 (39.22)
time (observed) in months 2 to 3+ diseases	30.68 (36.65)	29.42 (34.54)	29.06 (34.36)	29.17 (34.47)	28.06 (33.59)	28.49 (34.20)	29.85 (35.49)
time (observed) in months 3 to 4+ diseases	23.96 (31.14)	22.33 (29.40)	22.22 (29.11)	22.87 (29.70)	22.34 (28.92)	22.23 (29.30)	21.89 (28.99)
time (observed) in months 4 to 5+ diseases	21.95 (29.77)	19.46 (28.01)	20.36 (28.56)	20.60 (28.94)	18.49 (26.81)	20.00 (28.98)	20.36 (29.46)
time (observed) in months 5 to 6+ diseases	14.32 (24.59)	13.49 (22.62)	13.97 (23.34)	14.75 (23.28)	13.88 (22.83)	12.22 (20.02)	13.14 (23.69)
time (observed) in months 6 to 7+ diseases	25.57 (25.78)	25.57 (25.78)	25.57 (25.78)	22.38 (25.52)	22.38 (25.52)	17.57 (23.34)	25.67 (28.24)
time (observed) in months 7 to 8+ diseases	32.00 (.)	32.50 (0.71)	32.00 (.)	32.50 (0.71)	32.50 (0.71)	32.50 (0.71)	32.50 (0.71)
time (observed) in months 8 to 9+ diseases	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)
r educ							
1.less than upper secondary education	1,214 (36.3%)	1,569 (35.0%)	1,540 (34.9%)	1,578 (35.1%)	1,582 (34.9%)	1,485 (35.7%)	1,355 (34.5%)
2.upper secondary and vocational training	1,153 (34.5%)	1,662 (37.1%)	1,658 (37.6%)	1,644 (36.5%)	1,710 (37.7%)	1,548 (37.2%)	1,498 (38.1%)
3.tertiary education	975 (29.2%)	1,253 (27.9%)	1,215 (27.5%)	1,279 (28.4%)	1,243 (27.4%)	1,124 (27.0%)	1,075 (27.4%)
cohort							
50-59	1,877 (59.5%)	2,291 (53.6%)	1,330 (32.0%)	863 (21.0%)	458 (11.4%)	128 (3.8%)	48 (1.6%)
60-69	1,280 (40.5%)	1,804 (42.2%)	2,109 (50.7%)	2,233 (54.2%)	2,252 (56.3%)	1,826 (53.9%)	1,240 (41.8%)
70-79	0 (0.0%)	181 (4.2%)	718 (17.3%)	1,023 (24.8%)	1,258 (31.4%)	1,311 (38.7%)	1,358 (45.8%)
80+	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	33 (0.8%)	121 (3.6%)	319 (10.8%)

Notes: The sample used is (everdead==1|inw_tot>=5) & (d_anyatfirstobs==0), where hacohorts 1 and 2 are included

Table 4: baselineHealthy sample: main statistics

	Survey Wave						
	Wave 1	Wave 2	Wave 4	Wave 5	Wave 6	Wave 7	Wave 8
N	3,342 (11.4%)	4,484 (15.3%)	4,413 (15.0%)	4,501 (15.3%)	4,535 (15.4%)	4,157 (14.2%)	3,928 (13.4%)
age of first onset (observed) for d_hibp	65.96 (6.68)	65.51 (6.66)	65.47 (6.61)	65.59 (6.62)	65.51 (6.61)	65.60 (6.62)	65.68 (6.66)
age of first onset (observed) for d_diab	67.12 (6.79)	66.56 (6.68)	66.56 (6.56)	66.71 (6.65)	66.60 (6.60)	66.71 (6.67)	66.58 (6.73)
age of first onset (observed) for d_heart	68.57 (6.51)	67.87 (6.63)	67.89 (6.46)	68.07 (6.54)	67.87 (6.53)	67.85 (6.48)	68.11 (6.51)
age of first onset (observed) for d_lung	67.37 (7.03)	66.94 (6.91)	66.68 (6.82)	66.96 (6.89)	67.03 (6.86)	66.79 (6.85)	66.81 (6.78)
age of first onset (observed) for d_psych	64.82 (7.59)	64.42 (7.42)	64.40 (7.36)	64.46 (7.37)	64.48 (7.35)	64.47 (7.30)	64.79 (7.32)
age of first onset (observed) for d_osteo	67.09 (7.39)	66.78 (7.30)	66.72 (7.20)	66.69 (7.26)	66.63 (7.18)	66.50 (7.25)	66.97 (7.03)
age of first onset (observed) for d_cancr	67.58 (6.44)	67.46 (6.52)	67.48 (6.57)	67.29 (6.55)	67.33 (6.55)	67.30 (6.49)	67.53 (6.44)
age of first onset (observed) for d_strok	70.21 (6.52)	69.13 (6.88)	68.86 (6.74)	69.17 (6.86)	68.87 (6.78)	68.72 (6.63)	69.57 (6.60)
age of first onset (observed) for d_arthr	66.50 (6.93)	65.88 (6.83)	65.87 (6.83)	65.93 (6.85)	65.93 (6.74)	65.74 (6.72)	66.17 (6.78)
radiaghibp: R age first diagnosed with high BP	58.21 (8.86)	58.09 (10.90)	57.22 (10.26)	58.17 (10.42)	57.50 (10.44)	58.30 (10.82)	59.21 (8.52)
radiagdiab: R age first diagnosed with diabetes	64.67 (6.19)	65.43 (6.00)	62.22 (8.35)	62.64 (7.79)	62.64 (7.79)	62.90 (8.16)	61.44 (8.13)
radiagcancr: R age first diagnosed with cancer	62.33 (5.24)	63.00 (5.37)	62.92 (5.87)	62.71 (5.97)	62.71 (5.97)	62.71 (5.97)	62.27 (6.01)
radiaglung: R age first diagnosed with lung disease	44.80 (21.56)	44.80 (21.56)	44.80 (21.56)	44.80 (21.56)	44.80 (21.56)	38.67 (27.79)	41.50 (23.39)
radiagheart: R age first diagnosed with heart problem	49.40 (27.01)	51.20 (23.08)	31.14 (30.65)	34.00 (29.51)	34.00 (29.51)	34.00 (29.51)	29.71 (29.06)
radiagstrok: R age first diagnosed with stroke	67.25 (5.56)	66.40 (5.18)	67.75 (4.86)	66.40 (5.18)	66.40 (5.18)	65.67 (3.06)	63.00 (2.83)
radiagarthr: R age first diagnosed with arthritis	53.64 (8.60)	55.15 (7.74)	55.48 (8.49)	55.40 (8.38)	55.07 (8.32)	55.86 (8.06)	55.14 (8.55)
radiaghip: R age first diagnosed with hip fracture	73.00 (.)	73.00 (.)	73.00 (.)	73.00 (.)	73.00 (.)	73.00 (.)	73.00 (.)
radiagosteo: R age first diagnosed with osteoporosis	49.52 (10.92)	50.36 (9.47)	49.42 (10.39)	50.03 (10.24)	49.83 (10.39)	48.70 (10.62)	49.67 (10.88)
radiagpsych: R age first diagnosed with psych disorder	25.00 (7.07)	29.33 (27.01)	32.60 (23.19)	32.60 (23.19)	34.60 (23.34)	34.60 (23.34)	33.83 (20.96)
radiagkidney: R age first diagnosed with kidney disease	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)	. (.)

Notes: The sample used is (everdead==1|inw_tot>=5) & (d_anyatfirstobs==0), where hacohts 1 and 2 are included

0.1 Log files of output

[SHARE-1-harmon](#)

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