

Supplemental materials

- **Supplemental materials 1. Measures**
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Supplemental materials 1. Measures

Adult-life SEC mediators

The following variables were included as potential adult-life SEC mediators: participants' highest educational attainment (categorized into primary, secondary and tertiary levels of education according to the International Standard Classification of Education; ISCED), main occupational position during adult life (categorized into jobs requiring low skills and high skills, based on ISCO classification with a separate category for participants who had never done paid work), and satisfaction with household income (categorized into households that were able to make end meet "with great difficulty", "with difficulty", "fairly easily", and "easily").

Health indicators

Physical functioning

Muscle strength was measured twice in both hands, alternating between the hands, using a handheld dynamometer (Smedley, S Dynamometer, TTM, Tokyo, 100 kg). Participants were instructed to stand (preferably) or sit, with the elbow at a 90° angle, the wrist in a neutral position, and to keep the upper arm tight against the trunk. Interviewers applied standardized instructions to ensure that the grip strength was performed with maximum effort. The mean of the maximum values obtained for each hand was used as an indicator of muscle strength.^{1 2} When values for one hand were missing or were equal to 0, the measurement at this time point was excluded from the analysis.

Lung function was measured in a supervised manner with a Mini-Wright peak flow meter (litres per minute).³ Interviewers applied standardized instructions to ensure that the expiratory task was performed with maximum effort. At the second, fourth and sixth waves, PEF was measured twice. The highest of the two measurements was used as the outcome.

Cognitive functioning

Delayed recall was assessed with the 10-words delayed recall test as an indicator of cognitive impairment and dementia.⁴ During the interview, participants listened to a list of ten words that were read out loud by the interviewer. Immediately after reading the wordlist, the participants

were asked to recall as many words as possible. This was asked again after the verbal fluency and numeracy tests took place. The delayed recall score is the number of words that the respondent is able to recall, which ranges from 0 to 10.

Verbal fluency was assessed using the verbal fluency test, a test of executive functioning and thereby an indicator of cognitive impairment.⁵ In this test, participants had to name as many different animals as they could think of in 60 seconds. The score that we used consisted of the total number of correctly named animals.

Emotional functioning

Depressive symptoms was assessed using the EURO-D scale, a validated measure of late-life depressive symptoms which permits to compare depressive symptoms across European countries.^{6,7} It includes the following 12 items: Depression, Pessimism, Wishing death, Guilt, Sleep, Interest, Irritability, Appetite, Fatigue, Concentration, Enjoyment and Tearfulness. Depressive symptoms were treated as a continuous variable in the analysis. Higher scores indicate more depressive symptoms.

Quality of life and well-being was assessed using a short version of the CASP-19 scale.^{8,9} Specifically, this short version included 12 items assessing four conceptual domains of individual's needs: Control, autonomy, self-realization, and pleasure. Each dimension was regrouped together and the score obtained was treated as a continuous variable in the analysis, with higher score indicating higher quality of life and well-being.

Potential adult-life SEC mediators

Participants' highest educational attainment, participant's main occupational position during adult life, and satisfaction with household income were added as potential mediators. UNESCO's International Standard Classification of Education (ISCED) was used to group participants into primary, secondary, and tertiary levels of education. Participants' main occupational position during adult life was determined using the ISCO skill-level classification. Additionally, participants who had never done paid work were assigned a separate category. Satisfaction with household income was based on the rating of the question "Is the household able to make ends meet?" with a scale ranging from 1 ("with great difficulty") to 4 ("easily").

Covariates and prior confounders

The following variables were used: childhood health problems, adverse childhood experiences, birth cohort [war (between 1939 and 1945) / the Great Depression (between 1929 and 1938) / no war and no economic crisis (between 1919 and 1928, and after 1945)], participant attrition [no dropout/dropout (participants who did not respond to both waves 5 and 6) / death (participants who died during the survey)], and the country of residence (Austria, Belgium, Czech Republic, Denmark, France, Germany, Greece, Ireland, Italy, Netherlands, Poland, Spain, Sweden, Switzerland). Height (self-reported) was also included in the models estimating muscle strength and peak expiratory flow. *Childhood health problems* were long hospitalisation (i.e., hospitalization for one month or more before the age of 15), multiple hospitalisations (i.e., more than three times within a 12-month period before the age of 15), childhood illness (e.g., polio, asthma, meningitis, encephalitis), and childhood serious health conditions (severe headaches, psychiatric problem, fractures, heart trouble, cancers, and physical injury that has led to permanent handicap, disability or limitation in daily life). By combining the information for these five indicators, we computed a two-level categorical variable of participants with no childhood health problems (i.e., participants who answered “no” to all categories filled out) and participants with one or more childhood health problems (i.e., participants who answered “yes” to at least one category filled out). *Adverse childhood experiences* were identified as a set of traumatic events (emotional, physical, or linked to household dysfunction) occurring during childhood and being out of a child’s control.¹⁰ The following binary indicators reflecting specific ACE (from 0 to 15 years) were included: child in care (living in a children’s home or with a foster family), parental death (father, mother or both), parental mental illness, parental drinking abuse, period of hunger, and property taken away. By combining these 6 indicators, we computed a two-level categorical variable of participants with no adverse childhood experiences (i.e., participants who only answered “no”) and with one or more adverse childhood experiences (i.e., participants who answered “yes” at least twice). When information was missing for some indicators, the score was calculated using the non-missing data.

Tables S2. Detailed results for each health indicator

Physical functioning. Muscle strength

Row	Variables	Men				Women			
		Model 1 Coefficient (95% CI)	<i>p</i>	Model 2 Coefficient (95% CI)	<i>p</i>	Model 1 Coefficient (95% CI)	<i>p</i>	Model 2 Coefficient (95% CI)	<i>p</i>
1	Intercept	44.38 (43.58-45.18)	<0.001	40.74 (39.63-41.85)	<0.001	29.60 (29.08-30.12)	<0.001	27.37 (26.66-28.08)	<0.001
2	Time	-1.07 (-1.42--0.72)	<0.001	-0.50 (-1.12-0.11)	0.111	-0.86 (-1.09--0.63)	<0.001	-0.79 (-1.18--0.40)	<0.001
3	Time ²	-0.02 (-0.08-0.05)	0.639	-0.10 (-0.22-0.01)	0.086	0.03 (-0.02-0.07)	0.223	0.01 (-0.06-0.08)	0.746
4	Age at baseline	-0.35 (-0.41--0.28)	<0.001	-0.37 (-0.43--0.30)	<0.001	-0.22 (-0.25--0.18)	<0.001	-0.22 (-0.25--0.18)	<0.001
5	Adverse childhood event (ref. no)								
	Yes	0.15 (-0.27-0.57)	0.491	0.31 (-0.11-0.73)	0.154	-0.45 (-0.73--0.16)	0.002	-0.41 (-0.69--0.13)	0.005
6	Time x Adverse childhood event (ref. no)								
	Time x Yes	-0.05 (-0.06--0.03)	<0.001	-0.16 (-0.44-0.11)	0.241	0.23 (0.05-0.41)	0.013	0.22 (0.04-0.40)	0.016
7	Time ² x Adverse childhood event (ref. no)								
	Time ² x Yes	0.00 (0.00-0.01)	0.039	0.02 (-0.03-0.07)	0.415	-0.03 (-0.07--0.00)	0.043	-0.03 (-0.07--0.00)	0.048
8	Childhood health problem (ref. no problem)								
	At least one	-0.45 (-0.85--0.06)	0.024	-0.45 (-0.84--0.05)	0.026	-0.51 (-0.78--0.24)	<0.001	-0.48 (-0.74--0.21)	<0.001
9	Time x Childhood health problem (ref. no problem)								
	Time x at least one	0.13 (-0.13-0.39)	0.325	0.13 (-0.13-0.39)	0.318	0.18 (0.01-0.36)	0.035	0.18 (0.01-0.35)	0.04
10	Time ² x Childhood health problem (ref. no problem)								
	Time ² x at least one	-0.04 (-0.09-0.01)	0.122	-0.04 (-0.09-0.01)	0.118	-0.03 (-0.06-0.01)	0.106	-0.03 (-0.06-0.01)	0.121
11	Number of book (ref. more than 10)								
	Less than 10	-0.93 (-1.33--0.53)	<0.001	-0.69 (-1.10--0.28)	0.001	-0.34 (-0.61--0.07)	0.013	-0.10 (-0.38-0.18)	0.487
12	Time x Number of book (ref. more than 10)								
	Time x Less than 10	0.40 (0.15-0.65)	0.002	0.37 (0.11-0.64)	0.006	0.15 (-0.02-0.32)	0.078	0.16 (-0.02-0.33)	0.085
13	Time ² x Number of book (ref. more than 10)								
	Time ² x Less than 10	-0.08 (-0.12--0.03)	0.002	-0.07 (-0.12--0.02)	0.006	-0.02 (-0.05-0.01)	0.193	-0.02 (-0.05-0.01)	0.209
14	Occupational position of the main breadwinner (ref. high skills)								
	Low skills	0.78 (0.24-1.31)	0.004	0.86 (0.31-1.41)	0.002	-0.07 (-0.44-0.29)	0.697	0.10 (-0.27-0.47)	0.602
15	Time x Occupational position of the main breadwinner (ref. high skills)								
	Time x Low skills	-0.19 (-0.54-0.15)	0.273	-0.16 (-0.52-0.19)	0.37	0.05 (-0.18-0.28)	0.684	0.08 (-0.15-0.32)	0.503
16	Time ² x Occupational position of the main breadwinner (ref. high skills)								
	Time ² x Low skills	0.02 (-0.04-0.09)	0.46	0.03 (-0.04-0.09)	0.469	-0.00 (-0.05-0.04)	0.873	-0.01 (-0.05-0.04)	0.756
17	Overcrowding (ref. no)								
	Yes	-0.09 (-0.50-0.32)	0.662	-0.05 (-0.45-0.36)	0.827	-0.02 (-0.30-0.26)	0.895	0.08 (-0.20-0.36)	0.574

18	Time x Overcrowding (ref. no)								
	Time x Yes	0.07 (-0.18-0.33)	0.58	0.05 (-0.21-0.31)	0.698	-0.02 (-0.19-0.15)	0.797	-0.03 (-0.21-0.14)	0.697
19	Time ² x Overcrowding (ref. no)								
	Time ² x Yes	0.00 (-0.05-0.05)	0.957	0.01 (-0.04-0.06)	0.794	-0.00 (-0.04-0.03)	0.797	-0.00 (-0.03-0.03)	0.941
20	Housing quality (ref. high)								
	Low	-0.14 (-0.59-0.30)	0.528	0.01 (-0.44-0.46)	0.955	0.10 (-0.19-0.40)	0.497	0.25 (-0.05-0.55)	0.108
21	Time x Housing quality (ref. high)								
	Time x Low	0.16 (-0.13-0.44)	0.279	0.14 (-0.15-0.43)	0.346	-0.01 (-0.19-0.18)	0.954	-0.02 (-0.21-0.18)	0.869
22	Time ² x Housing quality (ref. high)								
	Time ² x Low	-0.03 (-0.08-0.03)	0.301	-0.03 (-0.08-0.03)	0.355	-0.00 (-0.04-0.03)	0.83	-0.00 (-0.04-0.03)	0.892
23	Education (ref. primary)								
	Secondary		0.69 (0.22-1.16)		0.004			0.25 (-0.06-0.55)	0.115
	Tertiary		-0.45 (-1.05-0.15)		0.145			0.22 (-0.23-0.67)	0.335
24	Time x Education (ref. primary)								
	Time x Secondary		0.04 (-0.26-0.34)		0.787			0.08 (-0.11-0.27)	0.412
	Time x Tertiary		0.13 (-0.25-0.52)		0.499			0.13 (-0.16-0.41)	0.387
25	Time ² x Education (ref. primary)								
	Time ² x Secondary		-0.02 (-0.08-0.03)		0.443			-0.02 (-0.06-0.02)	0.253
	Time ² x Tertiary		-0.01 (-0.08-0.07)		0.833			-0.02 (-0.07-0.04)	0.538
26	Main occupational position (ref. low skill)								
	High skill		0.72 (0.29-1.15)		0.001			0.45 (0.08-0.82)	0.018
	Never worked		0.28 (-1.74-2.30)		0.787			-0.49 (-0.85--0.13)	0.008
27	Time x Main occupational position (ref. low skill)								
	Time x High skill		0.03 (-0.25-0.31)		0.812			0.15 (-0.08-0.39)	0.2
	Time x Never worked		-0.42 (-1.79-0.96)		0.553			0.06 (-0.17-0.29)	0.634
28	Time ² x Main occupational position (ref. low skill)								
	Time ² x High skill		-0.01 (-0.06-0.05)		0.836			-0.03 (-0.07-0.02)	0.249
	Time ² x Never worked		0.02 (-0.24-0.27)		0.902			-0.01 (-0.06-0.03)	0.522
29	Satisfaction with Income (ref. with great difficulty)								
	With some difficulty		1.55 (0.83-2.27)		<0.001			0.87 (0.43-1.31)	<0.001
	Fairly easily		3.28 (2.58-3.99)		<0.001			1.64 (1.22-2.07)	<0.001
	Easily		3.25 (2.53-3.97)		<0.001			2.10 (1.65-2.54)	<0.001
30	Time x Satisfaction with Income (ref. with great difficulty)								
	Time x With some difficulty		-0.40 (-0.90-0.10)		0.116			-0.04 (-0.33-0.25)	0.784
	Time x Fairly easily		-0.81 (-1.29--0.34)		0.001			-0.17 (-0.46-0.11)	0.226
	Time x Easily		-0.66 (-1.14--0.19)		0.006			-0.30 (-0.59--0.02)	0.038
31	Time ² x Satisfaction with Income (ref. with great difficulty)								
	Time ² x With some difficulty		0.06 (-0.03-0.15)		0.181			0.02 (-0.04-0.07)	0.522
	Time ² x Fairly easily		0.12 (0.03-0.20)		0.011			0.03 (-0.02-0.08)	0.266
	Time ² x Easily		0.10 (0.01-0.19)		0.024			0.06 (0.00-0.11)	0.038

	Time ² x Yes	0.26 (-1.44-1.97)	0.764	0.25 (-1.48-1.97)	0.779	1.23 (-0.20-2.66)	0.093	1.24 (-0.21-2.69)	0.095
20	Housing quality (ref. high)								
	Low	-13.80 (-22.18--5.43)	0.001	-10.22 (-18.61--1.83)	0.017	-10.67 (-16.69--4.65)	0.001	-7.92 (-14.02--1.81)	0.011
21	Time x Housing quality (ref. high)								
	Time x Low	3.85 (-3.84-11.53)	0.326	5.48 (-2.37-13.34)	0.171	1.34 (-5.00-7.69)	0.678	2.02 (-4.50-8.55)	0.543
22	Time ² x Housing quality (ref. high)								
	Time ² x Low	-0.49 (-2.39-1.40)	0.611	-0.77 (-2.71-1.17)	0.435	0.21 (-1.35-1.76)	0.792	0.11 (-1.49-1.71)	0.895
23	Education (ref. primary)								
	Secondary			16.97 (8.10-25.83)	<0.001			8.48 (2.29-14.67)	0.007
	Tertiary			31.21 (19.83-42.59)	<0.001			19.29 (10.21-28.36)	<0.001
24	Time x Education (ref. primary)								
	Time x Secondary			3.17 (-5.21-11.54)	0.459			4.08 (-2.61-10.76)	0.232
	Time x Tertiary			1.12 (-9.63-11.86)	0.839			6.74 (-2.96-16.44)	0.173
25	Time ² x Education (ref. primary)								
	Time ² x Secondary			-0.39 (-2.45-1.67)	0.711			-0.81 (-2.45-0.83)	0.333
	Time ² x Tertiary			-0.11 (-2.76-2.53)	0.933			-1.84 (-4.21-0.53)	0.129
26	Main occupational position (ref. low skill)								
	High skill			15.41 (7.60-23.23)	<0.001			4.99 (-2.16-12.14)	0.171
	Never worked			-6.15 (-45.53-33.24)	0.76			4.67 (-3.07-12.41)	0.237
27	Time x Main occupational position (ref. low skill)								
	Time x High skill			10.99 (3.68-18.29)	0.003			2.04 (-5.52-9.59)	0.597
	Time x Never worked			-6.75 (-47.10-33.60)	0.743			-14.45 (-23.39--5.51)	0.002
28	Time ² x Main occupational position (ref. low skill)								
	Time ² x High skill			-3.24 (-5.05--1.44)	<0.001			-0.19 (-2.04-1.66)	0.841
	Time ² x Never worked			-0.90 (-10.75-8.94)	0.857			3.35 (1.16-5.54)	0.003
29	Satisfaction with Income (ref. with great difficulty)								
	With some difficulty			-9.30 (-22.69-4.08)	0.173			-4.29 (-13.27-4.69)	0.349
	Fairly easily			5.29 (-7.88-18.46)	0.431			2.88 (-5.99-11.76)	0.524
	Easily			19.90 (6.45-33.35)	0.004			13.46 (4.33-22.60)	0.004
30	Time x Satisfaction with Income (ref. with great difficulty)								
	Time x With some difficulty			11.48 (-2.64-25.61)	0.111			10.57 (0.14-21.01)	0.047
	Time x Fairly easily			9.00 (-4.56-22.57)	0.193			6.27 (-3.86-16.40)	0.225
	Time x Easily			7.08 (-6.47-20.63)	0.306			1.42 (-8.81-11.65)	0.786
31	Time ² x Satisfaction with Income (ref. with great difficulty)								
	Time ² x With some difficulty			-2.00 (-5.48-1.49)	0.261			-1.57 (-4.13-0.98)	0.227
	Time ² x Fairly easily			-1.15 (-4.50-2.20)	0.502			-0.51 (-3.00-1.97)	0.686
	Time ² x Easily			-0.31 (-3.66-3.03)	0.855			0.62 (-1.89-3.12)	0.63

	Time ² x Yes	0.00 (-0.01-0.02)	0.844	0.00 (-0.01-0.02)	0.739	0.01 (-0.00-0.02)	0.151	0.01 (-0.01-0.02)	0.247
20	Housing quality (ref. high)								
	Low	-0.16 (-0.26--0.06)	0.002	-0.08 (-0.18-0.02)	0.105	-0.22 (-0.31--0.13)	<0.001	-0.12 (-0.21--0.02)	0.013
21	Time x Housing quality (ref. high)								
	Time x Low	-0.09 (-0.17--0.00)	0.04	-0.08 (-0.17-0.00)	0.056	0.02 (-0.06-0.10)	0.585	0.04 (-0.04-0.12)	0.345
22	Time ² x Housing quality (ref. high)								
	Time ² x Low	0.02 (0.01-0.04)	0.01	0.02 (0.01-0.04)	0.01	-0.00 (-0.02-0.01)	0.574	-0.01 (-0.02-0.01)	0.367
23	Education (ref. primary)								
	<i>Secondary</i>			0.51 (0.41-0.62)	<0.001			0.49 (0.39-0.58)	<0.001
	<i>Tertiary</i>			0.85 (0.72-0.99)	<0.001			0.80 (0.66-0.93)	<0.001
24	Time x Education (ref. primary)								
	<i>Time x Secondary</i>			-0.04 (-0.13-0.05)	0.367			0.03 (-0.05-0.11)	0.489
	<i>Time x Tertiary</i>			-0.00 (-0.12-0.11)	0.992			0.18 (0.06-0.30)	0.003
25	Time ² x Education (ref. primary)								
	<i>Time² x Secondary</i>			0.01 (-0.01-0.02)	0.465			-0.00 (-0.02-0.01)	0.574
	<i>Time² x Tertiary</i>			-0.00 (-0.02-0.02)	0.896			-0.03 (-0.05--0.01)	0.007
26	Main occupational position (ref. low skill)								
	<i>High skill</i>			0.10 (0.01-0.20)	0.035			0.19 (0.07-0.30)	0.001
	<i>Never worked</i>			0.17 (-0.30-0.63)	0.488			-0.11 (-0.22--0.01)	0.04
27	Time x Main occupational position (ref. low skill)								
	<i>Time x High skill</i>			0.06 (-0.03-0.14)	0.177			0.05 (-0.05-0.14)	0.334
	<i>Time x Never worked</i>			0.31 (-0.11-0.74)	0.149			-0.01 (-0.11-0.09)	0.832
28	Time ² x Main occupational position (ref. low skill)								
	<i>Time² x High skill</i>			-0.00 (-0.02-0.01)	0.894			-0.00 (-0.02-0.02)	0.803
	<i>Time² x Never worked</i>			-0.09 (-0.17--0.00)	0.039			-0.01 (-0.03-0.01)	0.512
29	Satisfaction with Income (ref. with great difficulty)								
	<i>With some difficulty</i>			0.00 (-0.16-0.17)	0.98			0.06 (-0.07-0.20)	0.372
	<i>Fairly easily</i>			0.11 (-0.05-0.27)	0.182			0.20 (0.07-0.33)	0.003
	<i>Easily</i>			0.22 (0.06-0.38)	0.008			0.31 (0.18-0.45)	<0.001
30	Time x Satisfaction with Income (ref. with great difficulty)								
	<i>Time x With some difficulty</i>			0.17 (0.02-0.32)	0.029			0.12 (-0.00-0.24)	0.06
	<i>Time x Fairly easily</i>			0.16 (0.02-0.30)	0.028			0.09 (-0.03-0.20)	0.145
	<i>Time x Easily</i>			0.11 (-0.03-0.25)	0.129			0.02 (-0.10-0.14)	0.698
31	Time ² x Satisfaction with Income (ref. with great difficulty)								
	<i>Time² x With some difficulty</i>			-0.03 (-0.06-0.00)	0.054			-0.02 (-0.04-0.00)	0.065
	<i>Time² x Fairly easily</i>			-0.02 (-0.05-0.01)	0.119			-0.01 (-0.03-0.01)	0.292
	<i>Time² x Easily</i>			-0.01 (-0.04-0.01)	0.299			-0.01 (-0.03-0.02)	0.56

	Time ² x Yes	-0.02 (-0.07-0.03)	0.404	-0.01 (-0.06-0.04)	0.672	-0.01 (-0.05-0.04)	0.784	-0.00 (-0.05-0.04)	0.9
20	Housing quality (ref. high)								
	Low	-0.55 (-0.90--0.20)	0.002	-0.25 (-0.60-0.10)	0.156	-1.05 (-1.35--0.74)	<0.001	-0.69 (-0.98--0.39)	<0.001
21	Time x Housing quality (ref. high)								
	Time x Low	0.16 (-0.12-0.44)	0.259	0.15 (-0.13-0.43)	0.298	0.13 (-0.11-0.37)	0.291	0.18 (-0.07-0.42)	0.156
22	Time ² x Housing quality (ref. high)								
	Time ² x Low	-0.02 (-0.08-0.03)	0.378	-0.02 (-0.07-0.04)	0.524	-0.01 (-0.05-0.04)	0.821	-0.01 (-0.06-0.04)	0.694
23	Education (ref. primary)								
	<i>Secondary</i>		1.37 (1.01-1.73)		<0.001		1.13 (0.83-1.44)		<0.001
	<i>Tertiary</i>		2.88 (2.41-3.35)		<0.001		3.08 (2.63-3.53)		<0.001
24	Time x Education (ref. primary)								
	<i>Time x Secondary</i>		-0.02 (-0.32-0.28)		0.893		0.30 (0.05-0.55)		0.017
	<i>Time x Tertiary</i>		-0.18 (-0.56-0.20)		0.358		0.30 (-0.06-0.66)		0.107
25	Time ² x Education (ref. primary)								
	<i>Time² x Secondary</i>		0.01 (-0.05-0.07)		0.714		-0.04 (-0.09-0.01)		0.083
	<i>Time² x Tertiary</i>		0.02 (-0.05-0.09)		0.608		-0.06 (-0.13-0.01)		0.102
26	Main occupational position (ref. low skill)								
	<i>High skill</i>		0.70 (0.36-1.03)		<0.001		1.01 (0.64-1.38)		<0.001
	<i>Never worked</i>		-0.36 (-1.98-1.27)		0.667		-0.69 (-1.05--0.34)		<0.001
27	Time x Main occupational position (ref. low skill)								
	<i>Time x High skill</i>		0.14 (-0.13-0.41)		0.294		0.05 (-0.25-0.34)		0.76
	<i>Time x Never worked</i>		0.28 (-1.14-1.70)		0.7		0.21 (-0.09-0.51)		0.17
28	Time ² x Main occupational position (ref. low skill)								
	<i>Time² x High skill</i>		-0.01 (-0.06-0.04)		0.688		-0.00 (-0.06-0.06)		0.979
	<i>Time² x Never worked</i>		-0.12 (-0.39-0.16)		0.403		-0.07 (-0.13--0.01)		0.024
29	Satisfaction with Income (ref. with great difficulty)								
	<i>With some difficulty</i>		0.06 (-0.51-0.63)		0.835		0.27 (-0.17-0.71)		0.225
	<i>Fairly easily</i>		0.65 (0.09-1.20)		0.022		0.97 (0.54-1.39)		<0.001
	<i>Easily</i>		1.51 (0.95-2.07)		<0.001		1.61 (1.17-2.05)		<0.001
30	Time x Satisfaction with Income (ref. with great difficulty)								
	<i>Time x With some difficulty</i>		0.55 (0.06-1.05)		0.029		0.04 (-0.34-0.42)		0.831
	<i>Time x Fairly easily</i>		0.41 (-0.07-0.88)		0.092		0.01 (-0.36-0.37)		0.977
	<i>Time x Easily</i>		0.13 (-0.34-0.61)		0.585		-0.16 (-0.53-0.20)		0.38
31	Time ² x Satisfaction with Income (ref. with great difficulty)								
	<i>Time² x With some difficulty</i>		-0.07 (-0.17-0.02)		0.119		0.01 (-0.06-0.08)		0.79
	<i>Time² x Fairly easily</i>		-0.03 (-0.12-0.06)		0.538		0.02 (-0.05-0.09)		0.648
	<i>Time² x Easily</i>		0.02 (-0.07-0.11)		0.695		0.05 (-0.02-0.12)		0.136

	Time ² x Yes	0.01 (-0.00-0.03)	0.131	0.01 (-0.00-0.03)	0.177	0.01 (-0.01-0.02)	0.47	0.00 (-0.01-0.02)	0.675
20	Housing quality (ref. high)								
	Low	-0.07 (-0.17-0.04)	0.203	-0.11 (-0.21--0.01)	0.035	0.05 (-0.06-0.17)	0.353	-0.05 (-0.16-0.06)	0.402
21	Time x Housing quality (ref. high)								
	Time x Low	0.04 (-0.05-0.12)	0.393	0.04 (-0.05-0.13)	0.37	0.02 (-0.06-0.11)	0.614	0.04 (-0.05-0.13)	0.373
22	Time ² x Housing quality (ref. high)								
	Time ² x Low	-0.01 (-0.02-0.01)	0.512	-0.01 (-0.02-0.01)	0.46	-0.01 (-0.02-0.01)	0.529	-0.01 (-0.03-0.01)	0.327
23	Education (ref. primary)								
	Secondary			-0.16 (-0.27--0.05)	0.004			-0.34 (-0.45--0.22)	<0.001
	Tertiary			-0.22 (-0.36--0.08)	0.002			-0.44 (-0.61--0.27)	<0.001
24	Time x Education (ref. primary)								
	Time x Secondary			0.01 (-0.08-0.10)	0.859			0.14 (0.05-0.23)	0.002
	Time x Tertiary			-0.02 (-0.13-0.10)	0.748			0.22 (0.09-0.35)	0.001
25	Time ² x Education (ref. primary)								
	Time ² x Secondary			0.00 (-0.01-0.02)	0.639			-0.02 (-0.04--0.01)	0.009
	Time ² x Tertiary			0.01 (-0.01-0.03)	0.452			-0.04 (-0.06--0.01)	0.007
26	Main occupational position (ref. low skill)								
	High skill			-0.04 (-0.14-0.06)	0.457			-0.01 (-0.15-0.13)	0.914
	Never worked			0.50 (0.02-0.97)	0.039			-0.02 (-0.15-0.12)	0.812
27	Time x Main occupational position (ref. low skill)								
	Time x High skill			-0.02 (-0.10-0.07)	0.693			-0.12 (-0.22--0.01)	0.037
	Time x Never worked			-0.14 (-0.56-0.28)	0.515			-0.12 (-0.23--0.01)	0.03
28	Time ² x Main occupational position (ref. low skill)								
	Time ² x High skill			0.00 (-0.01-0.02)	0.598			0.02 (0.00-0.04)	0.039
	Time ² x Never worked			0.03 (-0.05-0.11)	0.495			0.03 (0.01-0.05)	0.008
29	Satisfaction with Income (ref. with great difficulty)								
	With some difficulty			-0.61 (-0.78--0.45)	<0.001			-0.72 (-0.88--0.55)	<0.001
	Fairly easily			-0.94 (-1.10--0.77)	<0.001			-1.07 (-1.23--0.91)	<0.001
	Easily			-1.07 (-1.23--0.90)	<0.001			-1.32 (-1.49--1.15)	<0.001
30	Time x Satisfaction with Income (ref. with great difficulty)								
	Time x With some difficulty			0.00 (-0.15-0.15)	0.962			-0.15 (-0.29--0.01)	0.031
	Time x Fairly easily			0.04 (-0.10-0.19)	0.552			-0.17 (-0.31--0.04)	0.011
	Time x Easily			0.03 (-0.11-0.17)	0.68			-0.17 (-0.31--0.04)	0.012
31	Time ² x Satisfaction with Income (ref. with great difficulty)								
	Time ² x With some difficulty			-0.01 (-0.04-0.02)	0.494			0.02 (-0.00-0.05)	0.091
	Time ² x Fairly easily			-0.02 (-0.05-0.01)	0.121			0.02 (-0.00-0.05)	0.078
	Time ² x Easily			-0.02 (-0.05-0.00)	0.108			0.03 (0.00-0.05)	0.044

	Time ² x Yes	-0.03 (-0.08-0.01)	0.149	-0.03 (-0.07-0.01)	0.193	-0.02 (-0.06-0.02)	0.291	-0.02 (-0.06-0.02)	0.341
20	Housing quality (ref. high)								
	Low	-0.01 (-0.35-0.33)	0.96	0.14 (-0.19-0.47)	0.394	-0.73 (-1.05--0.41)	<0.001	-0.48 (-0.80--0.17)	0.002
21	Time x Housing quality (ref. high)								
	Time x Low	-0.22 (-0.48-0.04)	0.096	-0.16 (-0.43-0.10)	0.223	0.16 (-0.07-0.39)	0.173	0.23 (-0.01-0.47)	0.056
22	Time ² x Housing quality (ref. high)								
	Time ² x Low	0.03 (-0.02-0.08)	0.214	0.03 (-0.02-0.07)	0.305	-0.02 (-0.06-0.02)	0.409	-0.03 (-0.07-0.02)	0.234
23	Education (ref. primary)								
	<i>Secondary</i>			0.49 (0.14-0.84)	0.006			0.49 (0.17-0.81)	0.003
	<i>Tertiary</i>			1.13 (0.69-1.57)	<0.001			1.11 (0.64-1.58)	<0.001
24	Time x Education (ref. primary)								
	<i>Time x Secondary</i>			0.20 (-0.07-0.48)	0.147			0.01 (-0.23-0.26)	0.905
	<i>Time x Tertiary</i>			-0.08 (-0.43-0.27)	0.664			-0.39 (-0.74--0.03)	0.032
25	Time ² x Education (ref. primary)								
	<i>Time² x Secondary</i>			-0.05 (-0.10-0.00)	0.075			-0.00 (-0.05-0.04)	0.888
	<i>Time² x Tertiary</i>			-0.01 (-0.07-0.06)	0.808			0.05 (-0.01-0.12)	0.103
26	Main occupational position (ref. low skill)								
	<i>High skill</i>			0.32 (0.01-0.64)	0.044			0.26 (-0.12-0.64)	0.179
	<i>Never worked</i>			0.22 (-1.37-1.81)	0.786			-0.05 (-0.43-0.33)	0.795
27	Time x Main occupational position (ref. low skill)								
	<i>Time x High skill</i>			-0.18 (-0.43-0.07)	0.149			-0.08 (-0.37-0.20)	0.56
	<i>Time x Never worked</i>			-1.30 (-2.65-0.05)	0.059			-0.08 (-0.38-0.22)	0.608
28	Time ² x Main occupational position (ref. low skill)								
	<i>Time² x High skill</i>			0.04 (-0.00-0.09)	0.06			0.02 (-0.03-0.07)	0.411
	<i>Time² x Never worked</i>			0.21 (-0.04-0.47)	0.098			-0.01 (-0.06-0.05)	0.844
29	Satisfaction with Income (ref. with great difficulty)								
	<i>With some difficulty</i>			1.75 (1.19-2.30)	<0.001			2.13 (1.67-2.60)	<0.001
	<i>Fairly easily</i>			3.17 (2.62-3.71)	<0.001			3.88 (3.42-4.33)	<0.001
	<i>Easily</i>			4.37 (3.83-4.92)	<0.001			5.12 (4.66-5.59)	<0.001
30	Time x Satisfaction with Income (ref. with great difficulty)								
	<i>Time x With some difficulty</i>			0.28 (-0.19-0.75)	0.248			0.77 (0.41-1.13)	<0.001
	<i>Time x Fairly easily</i>			0.42 (-0.03-0.87)	0.067			0.63 (0.27-0.99)	0.001
	<i>Time x Easily</i>			0.74 (0.30-1.19)	0.001			0.77 (0.41-1.13)	<0.001
31	Time ² x Satisfaction with Income (ref. with great difficulty)								
	<i>Time² x With some difficulty</i>			-0.02 (-0.11-0.07)	0.654			-0.03 (-0.10-0.03)	0.335
	<i>Time² x Fairly easily</i>			-0.00 (-0.09-0.08)	0.929			-0.08 (-0.14--0.01)	0.022
	<i>Time² x Easily</i>			-0.05 (-0.14-0.03)	0.193			-0.10 (-0.17--0.03)	0.003

References

1. Cheval B, Boisgontier MP, Orsholits D, et al. Association of early- and adult-life socioeconomic circumstances with muscle strength in older age. *Age Ageing* 2018;47:398-407. doi: 10.1093/ageing/afy003
2. Leong DP, Teo KK, Rangarajan S, et al. Prognostic value of grip strength: findings from the Prospective Urban Rural Epidemiology (PURE) study. *Lancet* 2015;386:266-73.
3. Wright B. A miniature Wright peak-flow meter. *BMJ* 1978;2:1627-28.
4. Harris S, Dowson J. Recall of a 10-word list in the assessment of dementia in the elderly. *The British Journal of Psychiatry* 1982;141:524-27.
5. Rosen WG. Verbal fluency in aging and dementia. *Journal of Clinical and Experimental Neuropsychology* 1980;2:135-46.
6. Prince MJ, Reischies F, Beekman AT, et al. Development of the EURO-D scale--a European, Union initiative to compare symptoms of depression in 14 European centres. *The British Journal of Psychiatry* 1999;174:330-38. doi: 10.1192/bjp.174.4.330 [published Online First: 1999/10/26]
7. Copeland JRM, Beekman ATF, Braam AW, et al. Depression among older people in Europe: the EURODEP studies. *World Psychiatry* 2004;3:45-49.
8. Hyde M, Wiggins RD, Higgs P, et al. A measure of quality of life in early old age: the theory, development and properties of a needs satisfaction model (CASP-19). *Aging & mental health* 2003;7:186-94.
9. Siegrist J, Wahrendorf M, Von dem Knesebeck O, et al. Quality of work, well-being, and intended early retirement of older employees—baseline results from the SHARE Study. *The European Journal of Public Health* 2007;17:62-68.
10. Felitti VJ, Anda RF, Nordenberg D, et al. Relationship of childhood abuse and household dysfunction to many of the leading causes of death in adults: The Adverse Childhood Experiences (ACE) Study. *Am J Prev Med* 1998;14:245-58.