Aaskoven M. J., Kjær, T., & Gyrd-Hansen, D. (2023). Supplementary appendix for: Subjective well-being and chronic illnesses: A combined survey and register study. *International Journal of Wellbeing, 14*(1), s2443, 1-40. https://doi.org/10.5502/ijw.v14i1.2443s

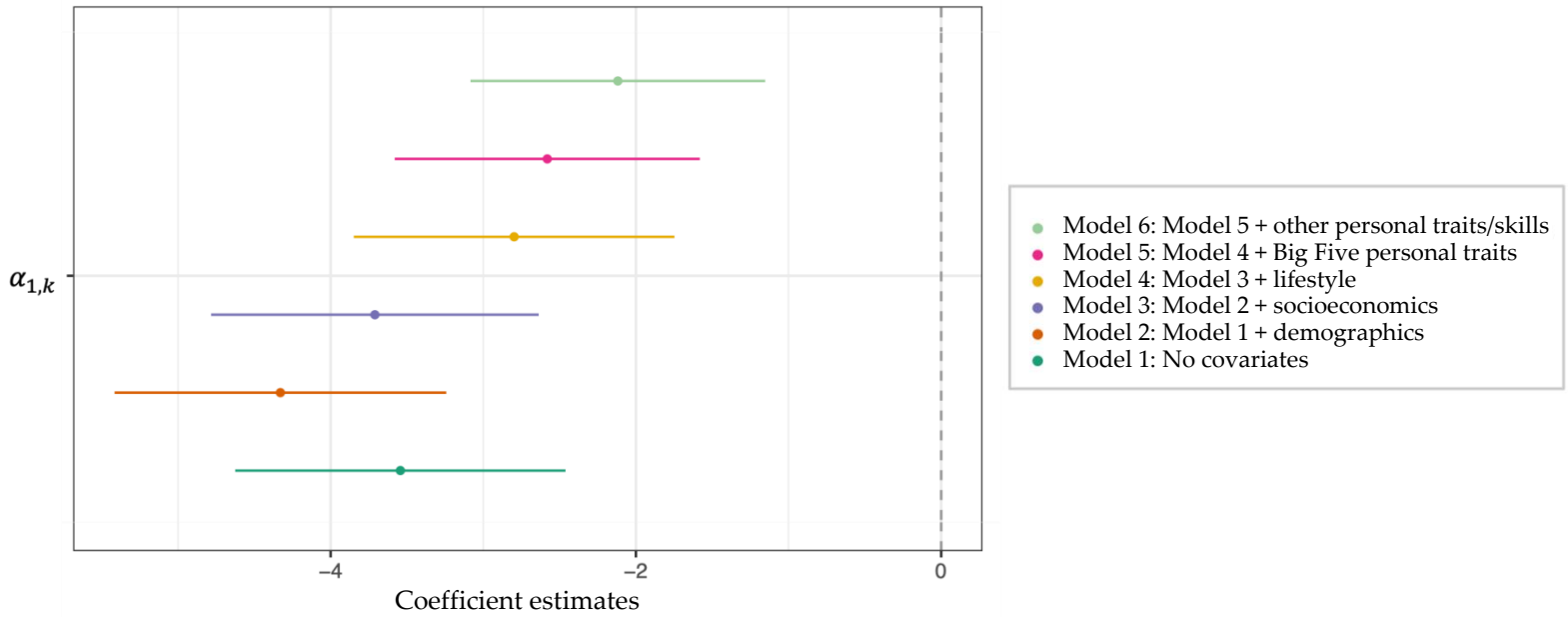
SUPPLEMENT

Supplementary appendix for: Subjective well-being and chronic illnesses: A combined survey and register study

Maiken Skovrider Aaskoven · Trine Kjær · Dorte Gyrd-Hansen

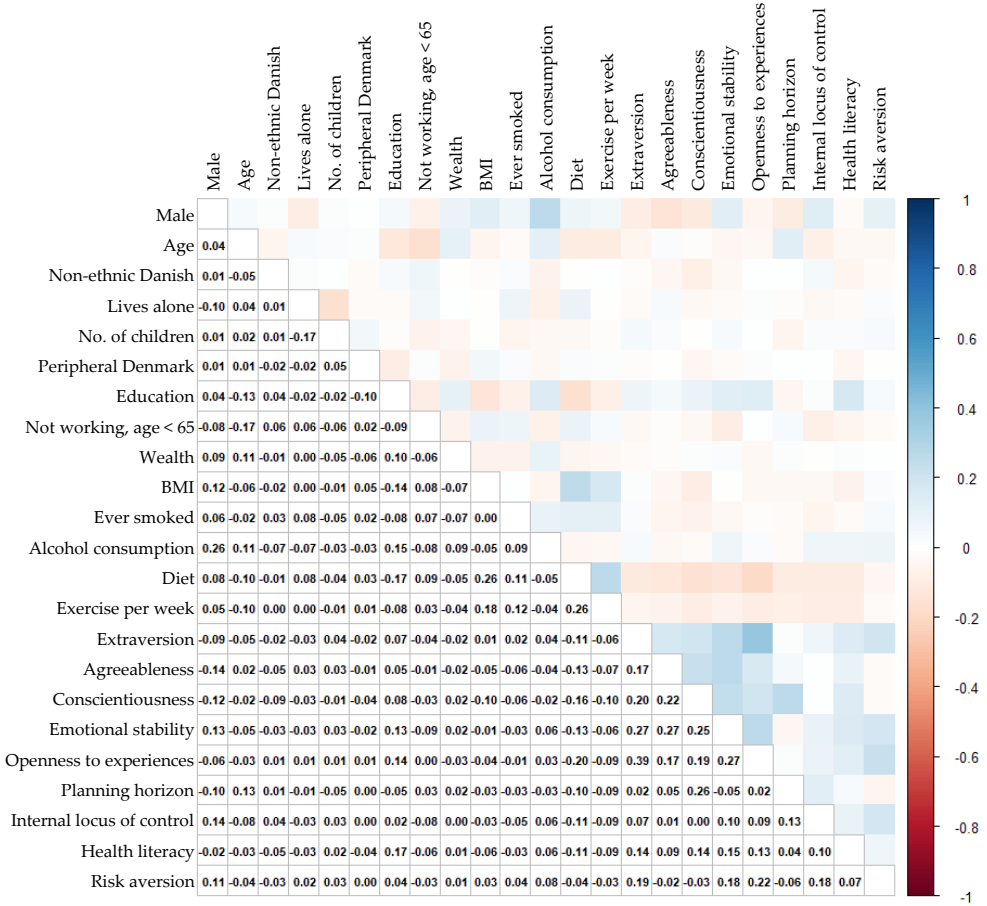
Maiken Skovrider Aaskoven
University of Southern Denmark
maaskoven@health.sdu.dk

Fig. A1 Results from Eq. (1). Stepwise inclusion of covariates on the association between chronic illness and SWB



Note: The figure displays regression coefficients and their 95% confidence intervals (robust standard errors). We regress a combined variable for having at least one chronic illness on general SWB. Specifications include the covariates: gender, age, non-ethnic Danish, living alone, number of children, municipality, years of education, labour market attachment, wealth in DKK 100,000, BMI, ever smoker, alcohol consumption, diet, exercise, extraversion, agreeableness, conscientiousness, emotional stability, openness to experiences, planning horizon, internal health locus of control, health literacy, and risk aversion.

Fig. A2 Correlation between covariates



Note: The figure displays correlations between covariates used in the regression models.

Table A1. Sample sizes.

	Chronic illness group	Full sample (% with chronic illness)
Chronic illness	1,495	6,243 (23.95)
Asthma	476	5,224 (9.11)
COPD	342	5,090 (6.72)
Rheumatoid arthritis	79	4,827 (1.64)
Osteoporosis	307	5,055 (6.07)
Type 1 diabetes	28	4,776 (0.59)
Type 2 diabetes	454	5,202 (8.73)

Note: The table shows the sample sizes for each sample. The control group consists of 4,748 individuals with none of the selected chronic illnesses.

Table A2. Median of selected covariates for the samples including the control group.

	Chronic illness (6,234)	Asthma (5,224)	COPD (5,090)	Rheumatoid arthritis (4,827)	Osteoporosis (5,055)	Type 1 diabetes (4,776)	Type 2 diabetes (5,202)
Age	63.00	62.00	63.00	62.00	63.00	62.00	63.00
Number of children	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Years of education	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Wealth in DKK 100,000	3.456	3.661	3.578	3.698	3.720	3.718	3.528
BMI	25.86	25.73	25.67	26.64	25.50	25.64	25.91
Alcohol consumption	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Diet	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Exercise	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Extraversion	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Agreeableness	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Conscientiousness	6.50	6.50	6.50	6.50	6.50	6.50	6.00
Emotional stability	5.50	5.50	5.50	5.50	5.50	5.50	5.50
Openness to experiences	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Planning horizon	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Internal health locus of control	22.00	22.00	22.00	22.00	22.00	22.00	22.00
Health literacy	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Risk	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Minutes for completing survey	18.00	18.00	18.00	18.00	18.00	18.00	18.00

Note: The table shows the median value for selected covariates for the samples including 4,748 controls split by type of chronic illness.

Table A3. Median of selected covariates for the samples not including the control group.

	Chronic illness (1,494)	Asthma (476)	COPD (342)	Rheumatoid arthritis (79)	Osteoporosis (307)	Type 1 diabetes (28)	Type 2 diabetes (454)
Age	67.00	63.00	69.00	67.00	69.00	64.00	68.00
Number of children	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Years of education	14.00	14.42	14.00	14.00	14.00	14.00	14.00
Wealth in DKK 100,000	2.547	2.850	1.473	2.364	3.822	2.518	1.623
BMI	26.40	26.69	26.11	25.15	23.59	25.27	28.40
Alcohol consumption	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Diet	2.00	2.00	3.00	2.00	2.00	2.00	3.00
Exercise	3.00	3.00	3.00	3.00	3.00	2.00	3.00
Extraversion	5.00	5.50	5.00	5.00	5.00	5.00	4.50
Agreeableness	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Conscientiousness	6.00	6.50	6.00	6.50	6.50	6.50	6.00
Emotional stability	5.00	5.50	5.00	5.00	5.00	6.00	5.50
Openness to experiences	5.00	5.50	5.00	5.00	5.00	5.25	5.00
Planning horizon	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Internal health locus of control	20.00	21.00	18.50	18.00	19.00	24.00	21.00
Health literacy	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Risk	6.00	6.00	6.00	5.00	5.00	5.00	6.00
Duration of chronic illness (years)	11.08	16.60	11.40	12.00	5.76	22.18	7.64
Minutes for completing survey	19.00	18.00	19.00	22.00	20.00	16.50	18.50

Note: The table shows the median value for selected covariates for the samples including chronically ill split by type of chronic illness.

Table A4. Difference in means of covariates and health information by chronic illness group.

	Control group	Chronic illness	Asthma	COPD	Rheumatoid arthritis	Osteoporosis	Type 1 diabetes	Type 2 diabetes	p	SMD
N	4,748	1,495	476	342	79	307	28	454		
Male (%)	2,336 (49.20)	672 (44.95)	201 (42.23)	177 (51.75)	24 (30.38)	42 (13.68)	14 (50.00)	283 (62.33)	<0.001	0.374
Age (mean (SD))	62.603 (8.061)	65.938 (8.057)	63.036 (8.299)	67.804 (7.447)	66.785 (7.038)	68.345 (7.189)	63.357 (7.689)	67.181 (7.737)	<0.001	0.354
Non-ethnic Danish (%)	221 (4.65)	63 (4.21)	26 (5.46)	9 (2.63)	[a]	9 (2.93)	[a]	27 (5.95)	0.249	0.08
Live alone (%)	1,026 (21.61)	406 (27.16)	111 (23.32)	112 (32.75)	15 (18.99)	92 (29.97)	6 (21.43)	134 (29.52)	<0.001	0.137
Number of children (mean (SD))	1.826 (1.033)	1.823 (1.060)	1.834 (1.036)	1.874 (1.069)	1.949 (1.049)	1.814 (1.033)	1.714 (0.897)	1.775 (1.123)	0.856	0.077
Years of education (mean (SD))	14.238 (2.632)	13.763 (2.879)	14.389 (2.727)	13.318 (2.984)	13.392 (2.802)	13.641 (2.971)	14.753 (1.999)	13.284 (2.921)	<0.001	0.244
Not working, age < 65 years (%)	426 (8.97)	199 (13.31)	55 (11.55)	54 (15.79)	12 (15.19)	39 (12.70)	4 (14.29)	64 (14.10)	<0.001	0.077
Wealth in DKK 100,000 (mean (SD))	8.443 (22.448)	7.301 (19.182)	7.791 (17.681)	5.678 (15.353)	8.739 (34.689)	8.342 (15.254)	10.107 (22.496)	6.351 (20.785)	0.136	0.082
BMI (mean (SD))	26.293 (4.457)	27.251 (5.316)	27.552 (5.108)	27.087 (5.840)	26.408 (4.785)	24.383 (4.407)	25.739 (3.915)	29.304 (5.241)	<0.001	0.346
Ever smoker (%)	1,868 (39.34)	732 (48.96)	179 (37.61)	258 (75.44)	41 (51.90)	131 (42.67)	10 (35.71)	226 (49.78)	<0.001	0.292
Alcohol consumption per week (mean (SD))	2.262 (1.035)	2.108 (1.089)	2.107 (1.023)	2.216 (1.225)	1.937 (0.938)	2.052 (0.891)	2.536 (1.170)	1.991 (1.131)	<0.001	0.201
Unhealthier diet (mean (SD))	2.340 (0.672)	2.433 (0.672)	2.408 (0.691)	2.532 (0.704)	2.380 (0.606)	2.280 (0.676)	2.250 (0.799)	2.522 (0.618)	<0.001	0.182
Less exercise per week (mean (SD))	2.636 (0.955)	2.708 (1.007)	2.697 (0.972)	2.804 (1.030)	2.684 (0.994)	2.505 (0.978)	2.393 (1.166)	2.835 (1.021)	<0.001	0.167

Extraversion (mean (SD))	4.972 (1.413)	4.941 (1.442)	5.168 (1.404)	4.781 (1.465)	5.070 (1.365)	4.902 (1.434)	4.786 (1.536)	4.774 (1.456)	0.001	0.119
Agreeableness (mean (SD))	5.081 (1.089)	5.010 (1.115)	5.062 (1.135)	4.931 (1.070)	4.861 (1.132)	5.098 (1.140)	5.196 (0.975)	4.947 (1.108)	0.016	0.119
Conscientiousness (mean (SD))	5.982 (1.024)	5.934 (1.073)	6.065 (0.994)	5.792 (1.139)	5.873 (1.134)	6.140 (0.970)	5.946 (1.048)	5.765 (1.124)	<0.001	0.146
Emotional stability (mean (SD))	5.324 (1.194)	5.144 (1.263)	5.203 (1.242)	4.974 (1.313)	5.057 (1.132)	5.011 (1.218)	5.571 (1.192)	5.213 (1.270)	<0.001	0.183
Openness to experiences (mean (SD))	5.157 (1.168)	5.102 (1.218)	5.279 (1.135)	5.064 (1.269)	5.044 (1.185)	5.060 (1.207)	5.071 (1.192)	4.945 (1.292)	0.001	0.09
Planning horizon (mean (SD))	4.489 (1.369)	4.630 (1.385)	4.557 (1.373)	4.561 (1.437)	4.823 (1.385)	4.945 (1.276)	4.643 (1.062)	4.548 (1.413)	<0.001	0.131
Internal health locus of control (mean (SD))	21.659 (6.495)	19.923 (6.996)	20.483 (6.718)	18.643 (7.321)	17.797 (7.516)	18.844 (6.819)	23.143 (5.949)	20.564 (6.835)	<0.001	0.307
Health literacy (mean (SD))	3.625 (0.820)	3.576 (0.860)	3.653 (0.789)	3.439 (0.981)	3.519 (0.890)	3.564 (0.858)	3.786 (0.499)	3.537 (0.875)	0.001	0.152
Risk aversion (mean (SD))	5.686 (2.355)	5.538 (2.452)	5.805 (2.309)	5.611 (2.519)	5.494 (2.601)	5.088 (2.534)	5.321 (2.495)	5.518 (2.419)	0.001	0.105
HRQoL (mean (SD))	0.890 (0.161)	0.817 (0.226)	0.844 (0.205)	0.764 (0.243)	0.791 (0.202)	0.787 (0.261)	0.879 (0.154)	0.811 (0.237)	<0.001	0.262
Charlson Comorbidity Index (mean (SD))	0.265 (0.860)	0.671 (1.170)	0.513 (1.025)	1.018 (1.320)	1.215 (1.151)	0.691 (1.252)	0.857 (1.671)	0.685 (1.218)	<0.001	0.298
SWB (mean (SD))	82.506 (16.542)	78.963 (19.227)	80.525 (17.518)	76.170 (20.484)	80.506 (16.164)	78.469 (20.658)	77.857 (18.531)	78.018 (19.213)	<0.001	0.127
PWI (mean (SD))	80.137 (15.083)	75.686 (16.913)	77.995 (15.281)	71.658 (18.111)	74.702 (16.889)	75.975 (17.082)	74.184 (16.111)	74.377 (16.986)	<0.001	0.183
Standard of living (mean (SD))	82.666 (17.527)	77.853 (20.074)	80.021 (19.320)	74.532 (20.498)	76.582 (21.655)	79.218 (20.597)	78.929 (19.690)	74.956 (20.488)	<0.001	0.165
Personal health (mean (SD))	74.518 (21.729)	62.528 (25.458)	66.786 (24.580)	55.234 (25.842)	56.835 (24.048)	61.466 (28.031)	58.571 (23.208)	61.035 (24.711)	<0.001	0.291

Achieving in life (mean (SD))	81.548 (16.992)	78.916 (18.988)	80.840 (17.904)	76.170 (20.138)	78.734 (17.786)	79.316 (18.092)	78.571 (16.265)	77.775 (19.077)	<0.001	0.108
Personal relationships (mean (SD))	81.464 (18.868)	79.625 (21.534)	80.525 (19.861)	76.228 (24.244)	81.646 (20.596)	81.726 (20.015)	76.786 (18.470)	77.974 (22.490)	<0.001	0.127
Personal safety (mean (SD))	78.669 (19.704)	76.876 (21.119)	78.130 (19.306)	73.947 (23.441)	76.456 (20.942)	78.046 (20.358)	74.286 (21.331)	75.969 (21.802)	<0.001	0.1
Community connectedness (mean (SD))	84.492 (17.545)	80.957 (19.422)	83.193 (18.200)	77.661 (20.473)	79.367 (17.999)	80.619 (20.531)	82.143 (19.881)	80.000 (19.292)	<0.001	0.138
Future security (mean (SD))	77.599 (20.096)	73.043 (22.160)	76.471 (20.046)	67.836 (24.483)	73.291 (18.308)	71.433 (24.062)	70.000 (24.191)	72.930 (21.180)	<0.001	0.173

Note: The table shows the means of the covariates and selected health information along with p values and standardized mean difference across the control and chronic illness groups.

[a] Below release guidelines.

Table A5. Characteristics among individuals with a chronic illness.

Characteristics	Chronic illness 1,495 (%)
Multiple chronic illnesses	179 (11.97)
Duration of chronic illness (years)	11.57 (6.89)
Asthma	476 (31.84)
COPD	342 (22.88)
Rheumatoid arthritis	79 (5.28)
Osteoporosis	397 (20.54)
Type 1 diabetes	28 (1.87)
Type 2 diabetes	454 (30.37)

Note: The table shows the characteristics of those diagnosed with a chronic illness.

Table A6. Results from Eq. (1). Association between chronic illness and domains of SWB.

	SWB	PWI	Standard of living	Personal health	Achieving in life	Personal relationships	Personal safety	Community connectedness	Future security
Chronic illness									
α_0 (s.e.)	33.6754***	33.4959***	47.0443***	57.1277***	25.8460***	27.4149***	28.6329***	28.5202***	19.8850***
	(4.4874)	(3.8005)	(4.5816)	(5.4062)	(4.2999)	(5.0838)	(5.3778)	(4.7804)	(5.3425)
$\alpha_{1,k}$ (s.e.)	-2.0043***	-2.7911***	-2.7457***	-8.3301***	-1.5096***	-1.4340**	-1.1818**	-1.9482***	-2.3883***
	(0.4897)	(0.4122)	(0.5193)	(0.6359)	(0.4971)	(0.5780)	(0.5775)	(0.5098)	(0.5797)
Asthma									
α_0 (s.e.)	31.4153***	32.1613***	44.9870***	54.0799***	24.7586***	26.0334***	28.3886***	29.5996***	17.2820***
	(5.0334)	(4.4839)	(5.3618)	(6.1761)	(4.9565)	(5.7852)	(6.1630)	(5.6330)	(6.2950)
$\alpha_{1,k}$ (s.e.)	-1.1531	-1.2678**	-1.6456**	-5.4211***	-0.2838	-0.9453	-0.1024	-0.4261	-0.0501
	(0.7220)	(0.6142)	(0.8125)	(1.0155)	(0.7730)	(0.8604)	(0.8678)	(0.7915)	(0.8880)
COPD									
α_0 (s.e.)	34.4284***	35.3392***	50.8945***	55.9947***	27.1749***	27.6900***	31.2821***	31.8621***	22.4763***
	(5.1910)	(4.4480)	(5.1805)	(5.9878)	(4.9065)	(5.8108)	(6.3877)	(5.8316)	(6.4238)
$\alpha_{1,k}$ (s.e.)	-2.7699***	-4.5862***	-3.4173***	-12.4878***	-2.4710**	-3.3804***	-2.8017**	-2.9024***	-4.6428***
	(1.0138)	(0.8543)	(1.0560)	(1.2500)	(1.0473)	(1.2877)	(1.1840)	(1.0061)	(1.1943)
Rheumatoid arthritis									
α_0 (s.e.)	34.6546***	35.5345***	50.1010***	57.4947***	27.4887***	27.5195***	30.1397***	34.3674***	21.6308***
	(5.2780)	(4.5858)	(5.3321)	(6.3821)	(5.0203)	(5.8267)	(6.4892)	(5.9985)	(6.5761)
$\alpha_{1,k}$ (s.e.)	-0.7352	-3.8944**	-4.1500*	-13.3948***	-2.4263	-0.4820	-2.0323	-3.2067*	-1.5687
	(1.7256)	(1.5966)	(2.2366)	(2.3069)	(1.8555)	(1.9665)	(2.0953)	(1.8238)	(1.8551)
Osteoporosis									
α_0 (s.e.)	33.2663***	34.2175***	47.6404***	55.5472***	27.7392***	26.2406***	31.6326***	31.7391***	18.9832***
	(5.2507)	(4.4923)	(5.2085)	(6.1036)	(4.9581)	(5.6953)	(6.5125)	(5.8865)	(6.5062)
$\alpha_{1,k}$ (s.e.)	-3.9123***	-4.2837***	-3.7894***	-12.0045***	-2.4327**	-1.8054*	-2.0291*	-2.9545***	-4.9703***
	(1.0350)	(0.7998)	(1.0259)	(1.3482)	(1.0010)	(1.0971)	(1.1121)	(1.0430)	(1.1893)
Type 1 diabetes									
α_0 (s.e.)	34.3431***	34.7462***	48.8952***	55.1159***	27.0451***	27.6552***	30.6076***	33.0616***	20.8431***

	(5.4067)	(4.6555)	(5.4012)	(6.2880)	(5.1133)	(5.9531)	(6.6493)	(6.0956)	(6.7295)
$\alpha_{1,k}$ (s.e.)	-6.0720**	-7.9134***	-5.7471*	-19.1834***	-4.6534**	-5.4354*	-5.8777*	-4.5464	-9.9503***
	(2.7131)	(2.2257)	(2.9980)	(3.5082)	(2.2086)	(2.9165)	(3.3421)	(3.0685)	(3.8376)
Type 2 diabetes									
α_0 (s.e.)	35.3991***	34.2871***	47.3848***	55.0889***	26.1188***	30.0251***	28.6824***	31.1125***	21.5974***
	(4.9847)	(4.0854)	(4.9702)	(5.7255)	(4.6826)	(5.4224)	(5.9488)	(5.2687)	(5.8368)
$\alpha_{1,k}$ (s.e.)	-2.4218***	-3.2520***	-4.1966***	-8.4432***	-2.0967**	-2.2088**	-1.3104	-2.4574***	-2.0510**
	(0.8568)	(0.7101)	(0.9094)	(1.0409)	(0.8523)	(1.0317)	(0.9928)	(0.8672)	(0.9531)

Note: The table shows regression coefficients and their robust standard errors in parentheses. Regressions include the full set of covariates (see Section 4.2 and the note to Fig. 1).

* 10%, ** 5% and *** 1% significance level.

Table A7. Results from Eq. (1). Association between chronic illness and domains of SWB when defining the covariates by the median.

	SWB	PWI	Standard of living	Personal health	Achieving in life	Personal relationships	Personal safety	Community connectedness	Future security
Chronic illness									
α_0 (s.e.)	86.3300***	87.3272***	86.5518***	80.5477***	86.6687***	88.3594***	83.8650***	94.4440***	90.8536***
	(3.6611)	(3.1869)	(3.7468)	(4.1941)	(3.4749)	(4.1741)	(4.3609)	(3.9784)	(4.2231)
$\alpha_{1,k}$ (s.e.)	-1.9139***	-2.7369***	-2.7443***	-8.8743***	-1.1932**	-1.0750*	-0.9332	-1.8958***	-2.4423***
	(0.5021)	(0.4233)	(0.5206)	(0.6539)	(0.5023)	(0.5876)	(0.5894)	(0.5162)	(0.5877)
Asthma									
α_0 (s.e.)	84.8732***	86.5541***	85.6905***	77.4665***	86.7668***	87.6968***	84.9860***	93.2313***	90.0405***
	(4.2109)	(3.8606)	(4.5604)	(5.0771)	(4.1808)	(4.9112)	(5.1037)	(4.7622)	(5.1174)
$\alpha_{1,k}$ (s.e.)	-1.2581*	-1.4499**	-1.8140**	-6.1314***	-0.2425	-0.8824	-0.2223	-0.5841	-0.2724
	(0.7460)	(0.6316)	(0.8090)	(1.0325)	(0.7786)	(0.8827)	(0.8899)	(0.8040)	(0.8975)
COPD									
α_0 (s.e.)	84.2648***	87.7062***	89.4946***	80.6840***	87.3309***	86.2437***	84.3011***	94.6467***	91.2421***
	(4.2873)	(3.7867)	(4.3181)	(4.9315)	(3.9589)	(4.8621)	(5.2968)	(4.9250)	(5.1995)
$\alpha_{1,k}$ (s.e.)	-2.7232***	-4.6654***	-3.5029***	-13.4533***	-2.1263**	-2.8631**	-2.5374**	-3.0558***	-5.1189***
	(1.0495)	(0.8713)	(1.0457)	(1.2855)	(1.0514)	(1.3077)	(1.2172)	(1.0110)	(1.2277)
Rheumatoid arthritis									
α_0 (s.e.)	85.4016***	89.1186***	91.2766***	82.0208***	88.8827***	88.1514***	84.7072***	96.0833***	92.7080***
	(4.2652)	(3.7708)	(4.3823)	(5.1311)	(3.9622)	(4.8302)	(5.2559)	(4.9934)	(5.2104)
$\alpha_{1,k}$ (s.e.)	-0.4482	-3.7171**	-4.0651*	-14.2361***	-1.8450	0.3515	-1.4457	-3.2097*	-1.5693
	(1.7641)	(1.6561)	(2.2655)	(2.4181)	(1.8460)	(2.0664)	(2.1506)	(1.8723)	(1.8660)
Osteoporosis									
α_0 (s.e.)	86.9616***	89.6291***	91.1412***	82.5656***	89.4343***	87.6690***	86.8406***	96.4305***	93.3223***
	(4.2964)	(3.8041)	(4.3578)	(5.0238)	(3.9511)	(4.8276)	(5.3639)	(4.9069)	(5.2558)
$\alpha_{1,k}$ (s.e.)	-3.4497***	-3.8537***	-3.4126***	-12.1512***	-1.7393*	-0.8343	-1.2081	-2.7490***	-4.8817***

	(1.0609)	(0.8152)	(1.0374)	(1.4027)	(0.9856)	(1.0956)	(1.1273)	(1.0521)	(1.2150)
Type 1 diabetes									
α_0 (s.e.)	85.0590***	88.4034***	90.3701***	80.2664***	88.3060***	88.0309***	85.1558***	94.9455***	91.7491***
	(4.3767)	(3.8455)	(4.4557)	(5.1023)	(4.0521)	(4.9706)	(5.4141)	(5.0666)	(5.3474)
$\alpha_{1,k}$ (s.e.)	-6.0522**	-7.8896***	-5.4880*	-18.9417***	-4.7633**	-5.7139*	-5.8587*	-4.4149	-10.0466***
	(2.9316)	(2.3520)	(2.9549)	(3.6265)	(2.2554)	(3.0992)	(3.5555)	(3.1894)	(3.8887)
Type 2 diabetes									
α_0 (s.e.)	87.0231***	88.4306***	88.2785***	79.7354***	87.9671***	90.5456***	85.0173***	94.9868***	92.4831***
	(4.0134)	(3.3114)	(4.0383)	(4.3955)	(3.6619)	(4.3829)	(4.8634)	(4.3434)	(4.5640)
$\alpha_{1,k}$ (s.e.)	-1.9920**	-2.9242***	-4.1487***	-8.7567***	-1.5188*	-1.5356	-0.7719	-2.0645**	-1.6733*
	(0.8749)	(0.7299)	(0.9195)	(1.0727)	(0.8691)	(1.0357)	(1.0251)	(0.8805)	(0.9693)

Note: The table shows regression coefficients and their robust standard errors in parentheses. Regressions include the full set of covariates (see Section 4.2 and the note to Fig. 1).

* 10%, ** 5% and *** 1% significance level.

Table A8. Results from Eq. (1). Association between chronic illness and domains of SWB when including a dummy for having multiple chronic illnesses.

	SWB	PWI	Standard of living	Personal health	Achieving in life	Personal relationships	Personal safety	Community connectedness	Future security
Chronic illness									
α_0 (s.e.)	33.5785***	33.3237***	46.8426***	56.5702***	25.8262***	27.2102***	28.5410***	28.4539***	19.8221***
	(4.4895)	(3.7987)	(4.5695)	(5.3623)	(4.2985)	(5.0893)	(5.3798)	(4.7804)	(5.3470)
$\alpha_{1,k}$ (s.e.)	-1.8482***	-2.5141***	-2.4210***	-7.4328***	-1.4776***	-1.1046*	-1.0339*	-1.8415***	-2.2871***
	(0.5147)	(0.4316)	(0.5373)	(0.6573)	(0.5222)	(0.6030)	(0.6013)	(0.5282)	(0.6036)
Asthma									
α_0 (s.e.)	31.3017***	32.0120***	44.7230***	53.7389***	24.6060***	25.8960***	28.3592***	29.4841***	17.2770***
	(5.0417)	(4.4865)	(5.3191)	(6.1393)	(4.9402)	(5.7969)	(6.1669)	(5.6404)	(6.2931)
$\alpha_{1,k}$ (s.e.)	-0.7874	-0.7874	-0.7958	-4.3234***	0.2075	-0.5034	-0.0078	-0.0544	-0.0343
	(0.7872)	(0.6632)	(0.8432)	(1.0653)	(0.8398)	(0.9244)	(0.9305)	(0.8250)	(0.9500)
COPD									
α_0 (s.e.)	34.3588***	35.2522***	50.8358***	55.6629***	27.2375***	27.5638***	31.2101***	31.8194***	22.4359***
	(5.1973)	(4.4531)	(5.1874)	(5.9900)	(4.9036)	(5.8221)	(6.3854)	(5.8349)	(6.4294)
$\alpha_{1,k}$ (s.e.)	-2.3423**	-4.0517***	-3.0568**	-10.4501***	-2.8553**	-2.6052*	-2.3596*	-2.6401**	-4.3949***
	(1.1535)	(1.0026)	(1.2206)	(1.4020)	(1.2147)	(1.4524)	(1.3456)	(1.1580)	(1.3886)
Rheumatoid arthritis									
α_0 (s.e.)	34.4885***	35.3713***	49.8436***	57.3077***	27.3405***	27.3020***	30.0332***	34.3060***	21.4661***
	(5.2765)	(4.5773)	(5.3196)	(6.3499)	(5.0157)	(5.8257)	(6.5003)	(5.9956)	(6.5705)
$\alpha_{1,k}$ (s.e.)	1.3578	-1.8369	-0.9051	-11.0382***	-0.5582	2.2595	-0.6907	-2.4325	0.5072
	(2.1163)	(1.9275)	(2.4212)	(2.9389)	(2.0187)	(2.2419)	(2.4369)	(2.2515)	(2.2557)
Osteoporosis									
α_0 (s.e.)	33.2573***	34.1767***	47.6124***	55.3632***	27.7480***	26.2316***	31.5602***	31.7579***	18.9638***
	(5.2496)	(4.4886)	(5.2112)	(6.0853)	(4.9585)	(5.6955)	(6.5004)	(5.8891)	(6.5059)

$\alpha_{1,k}$ (s.e.)	-3.7856***	-3.7104***	-3.3954***	-9.4149***	-2.5570**	-1.6788	-1.0107	-3.2183***	-4.6980***
	(1.2206)	(0.9175)	(1.1406)	(1.5276)	(1.1556)	(1.2812)	(1.2657)	(1.1879)	(1.3703)
Type 1 diabetes									
α_0 (s.e.)	34.3506***	34.7550***	48.8942***	55.1469***	27.0509***	27.6510***	30.6074***	33.0624***	20.8724***
	(5.4068)	(4.6555)	(5.4020)	(6.2815)	(5.1135)	(5.9538)	(6.6504)	(6.0963)	(6.7276)
$\alpha_{1,k}$ (s.e.)	-5.1098	-6.7835***	-5.8648*	-15.1964***	-3.9101	-5.9748*	-5.9036	-4.4344	-6.2006
	(3.1083)	(2.6252)	(3.4958)	(3.5206)	(2.5821)	(3.5520)	(3.5999)	(3.6118)	(4.0416)
Type 2 diabetes									
α_0 (s.e.)	35.3406***	34.1887***	47.2516***	54.8545***	26.1283***	29.7780***	28.6593***	31.0399***	21.6096***
	(4.9842)	(4.0776)	(4.9406)	(5.6754)	(4.6860)	(5.4172)	(5.9525)	(5.2695)	(5.8389)
$\alpha_{1,k}$ (s.e.)	-2.0886**	-2.6923***	-3.4390***	-7.1099***	-2.1506**	-0.8031	-1.1790	-2.0447**	-2.1201**
	(0.9562)	(0.7768)	(0.9873)	(1.1168)	(0.9564)	(1.0797)	(1.1028)	(0.9275)	(1.0395)

Note: The table shows regression coefficients and their robust standard errors in parentheses. Regressions include the full set of covariates (see Section 4.2 and the note to Fig. 1).

* 10%, ** 5% and *** 1% significance level.

Table A9. Results from Eq. (1). Association between chronic illness and domains of SWB when the control group has a Charlson Comorbidity Index of zero.

	SWB	PWI	Standard of living	Personal health	Achieving in life	Personal relationships	Personal safety	Community connectedness	Future security
Chronic illness									
α_0 (s.e.)	36.5440***	34.8276***	48.6914***	59.6561***	25.7686***	28.3916***	29.1800***	29.9205***	22.1847***
	(4.5840)	(3.9082)	(4.6936)	(5.5311)	(4.4403)	(5.2459)	(5.5436)	(4.9196)	(5.4746)
$\alpha_{1,k}$ (s.e.)	-2.4175***	-3.1083***	-3.2258***	-9.3940***	-1.6486***	-1.4145**	-1.1181*	-2.1852***	-2.7717***
	(0.4958)	(0.4202)	(0.5220)	(0.6434)	(0.5062)	(0.5903)	(0.5924)	(0.5185)	(0.5892)
Asthma									
α_0 (s.e.)	35.2059***	33.8905***	47.0809***	57.0685***	24.8068***	27.4667***	29.2060***	31.5807***	20.0242***
	(5.1450)	(4.6219)	(5.4956)	(6.3321)	(5.1407)	(5.9830)	(6.3635)	(5.8151)	(6.4531)
$\alpha_{1,k}$ (s.e.)	-1.5057**	-1.5604**	-2.0561**	-6.3396***	-0.4303	-0.9617	-0.0508	-0.6777	-0.4070
	(0.7302)	(0.6210)	(0.8166)	(1.0228)	(0.7794)	(0.8711)	(0.8804)	(0.7963)	(0.8944)
COPD									
α_0 (s.e.)	38.3346***	37.1926***	53.3024***	58.9940***	27.2946***	29.4715***	32.2409***	33.7630***	25.2817***
	(5.2969)	(4.5931)	(5.3263)	(6.1746)	(5.1017)	(6.0136)	(6.6027)	(6.0160)	(6.5886)
$\alpha_{1,k}$ (s.e.)	-3.4346***	-5.0813***	-4.1685***	-14.1436***	-2.6986**	-3.3663***	-2.6901**	-3.2486***	-5.2536***
	(1.0247)	(0.8654)	(1.0594)	(1.2659)	(1.0557)	(1.2993)	(1.1989)	(1.0157)	(1.2089)
Rheumatoid arthritis									
α_0 (s.e.)	39.0380***	37.4870***	52.4515***	60.6389***	27.7703***	29.2185***	31.1063***	36.6016***	24.6221***
	(5.3763)	(4.7406)	(5.4820)	(6.5816)	(5.2334)	(6.0234)	(6.7142)	(6.1991)	(6.7520)
$\alpha_{1,k}$ (s.e.)	-1.6960	-4.5054***	-4.9933**	-15.1579***	-2.7603	-0.4470	-2.0645	-3.7408**	-2.3742
	(1.7108)	(1.5921)	(2.2308)	(2.3332)	(1.8534)	(1.9551)	(2.0927)	(1.8342)	(1.8463)
Osteoporosis									
α_0 (s.e.)	37.1980***	36.0246***	49.8781***	58.7710***	28.0287***	27.6546***	32.5862***	33.7136***	21.5399***
	(5.3575)	(4.6386)	(5.3483)	(6.3042)	(5.1462)	(5.8801)	(6.7248)	(6.0755)	(6.6829)

$\alpha_{1,k}$ (s.e.)	-4.5494***	-4.7640***	-4.4025***	-13.4987***	-2.6955***	-1.9332*	-2.0441*	-3.2945***	-5.4793***
	(1.0419)	(0.8082)	(1.0305)	(1.3649)	(1.0093)	(1.1044)	(1.1271)	(1.0464)	(1.2001)
Type 1 diabetes									
α_0 (s.e.)	38.7927***	36.7573***	51.2791***	58.3342***	27.2850***	29.5034***	31.7313***	35.3102***	23.8582***
	(5.5097)	(4.8146)	(5.5549)	(6.4996)	(5.3292)	(6.1600)	(6.8765)	(6.3021)	(6.9068)
$\alpha_{1,k}$ (s.e.)	-6.2350**	-8.0039***	-5.9409**	-19.9048***	-4.8131**	-5.1559*	-5.7487*	-4.4693	-9.9948***
	(2.6937)	(2.2187)	(2.9789)	(3.5902)	(2.1578)	(2.9601)	(3.3568)	(3.0448)	(3.8109)
Type 2 diabetes									
α_0 (s.e.)	39.0905***	35.9039***	49.2789***	57.7972***	26.1862***	31.4743***	29.4600***	32.9301***	24.2005***
	(5.0889)	(4.2318)	(5.1126)	(5.8916)	(4.8848)	(5.6215)	(6.1573)	(5.4554)	(6.0001)
$\alpha_{1,k}$ (s.e.)	-2.8389***	-3.5841***	-4.7491***	-9.6007***	-2.1748**	-2.1304**	-1.2440	-2.6896***	-2.5002***
	(0.8673)	(0.7209)	(0.9154)	(1.0515)	(0.8639)	(1.0412)	(1.0102)	(0.8796)	(0.9635)

Note: The table shows regression coefficients and their robust standard errors in parentheses. Regressions include the full set of covariates (see Section 4.2 and the note to Fig. 1).

* 10%, ** 5% and *** 1% significance level.

Table A10. Results from Eq. (1). Association between chronic illness and domains of SWB when applying survey weights on the regressions.

	SWB	PWI	Standard of living	Personal health	Achieving in life	Personal relationships	Personal safety	Community connectedness	Future security
Chronic illness									
α_0 (s.e.)	32.0172***	32.8949***	47.4222***	56.4060***	24.7834***	25.2646***	28.7447***	28.5706***	19.0730***
	(4.9648)	(4.2882)	(4.9771)	(5.7319)	(4.8181)	(5.8842)	(6.2791)	(5.3912)	(5.7444)
$\alpha_{1,k}$ (s.e.)	-1.4598**	-2.4481***	-2.4570***	-8.3354***	-1.0206*	-1.1301*	-0.8759	-1.5343***	-1.7834***
	(0.5751)	(0.4759)	(0.5971)	(0.7058)	(0.5765)	(0.6776)	(0.6544)	(0.5952)	(0.6646)
Asthma									
α_0 (s.e.)	29.2496***	31.1806***	43.8818***	53.1470***	23.5692***	24.3991***	26.1650***	29.9000***	17.2022**
	(5.5167)	(5.0435)	(5.7310)	(6.5198)	(5.4930)	(6.7274)	(7.2373)	(6.3710)	(6.7511)
$\alpha_{1,k}$ (s.e.)	-0.9098	-0.8901	-1.2284	-5.5178***	0.1029	-0.9823	0.1703	0.3458	0.8787
	(0.8087)	(0.6816)	(0.9053)	(1.1453)	(0.8790)	(0.9849)	(0.9724)	(0.9149)	(1.0039)
COPD									
α_0 (s.e.)	31.9061***	33.8916***	49.7100***	54.8235***	25.2353***	25.2845***	29.1416***	31.5959***	21.4501***
	(5.6328)	(5.0785)	(5.5844)	(6.3493)	(5.5325)	(6.8714)	(7.5308)	(6.5490)	(6.8141)
$\alpha_{1,k}$ (s.e.)	-2.1128*	-4.2543***	-3.1770***	-12.5540***	-1.7349	-2.4497*	-2.7491**	-2.7601**	-4.3557***
	(1.1708)	(0.9859)	(1.2188)	(1.3760)	(1.1837)	(1.4537)	(1.3566)	(1.1585)	(1.3388)
Rheumatoid arthritis									
α_0 (s.e.)	31.9080***	33.6777***	47.7318***	55.5090***	25.5766***	25.2657***	27.5279***	33.6065***	20.5265***
	(5.8439)	(5.3144)	(5.8105)	(6.7038)	(5.7293)	(7.0497)	(7.7635)	(6.7958)	(7.1192)
$\alpha_{1,k}$ (s.e.)	-0.2333	-3.6975*	-3.9900	-13.2850***	-1.8291	-1.1209	-1.7408	-3.1464	-0.7704
	(2.1549)	(1.9108)	(2.6829)	(2.7131)	(2.1476)	(2.3409)	(2.3585)	(2.2055)	(2.2051)
Osteoporosis									
α_0 (s.e.)	30.6791***	32.7857***	46.0994***	54.6135***	26.2664***	23.7141***	29.5482***	31.3531***	17.9055***
	(5.7447)	(5.1499)	(5.6374)	(6.4962)	(5.6005)	(6.8000)	(7.7380)	(6.5903)	(6.9442)
$\alpha_{1,k}$ (s.e.)	-3.5110***	-4.0805***	-3.7378***	-12.3428***	-1.9341*	-1.5270	-1.8235	-2.4140**	-4.7847***

	(1.2363)	(0.9068)	(1.1558)	(1.4942)	(1.1662)	(1.2755)	(1.2639)	(1.2282)	(1.3597)
Type 1 diabetes									
α_0 (s.e.)	31.7058***	33.1874***	46.9526***	53.9416***	25.3718***	25.5450***	27.4655***	32.9314***	20.1041***
	(5.9087)	(5.3624)	(5.8520)	(6.7167)	(5.7900)	(7.1404)	(7.8803)	(6.8747)	(7.2061)
$\alpha_{1,k}$ (s.e.)	-6.7627**	-8.7980***	-7.4376*	-20.2742***	-5.3798**	-5.8768*	-6.0969*	-5.7177	-10.8033***
	(3.2790)	(2.6428)	(3.9389)	(3.6422)	(2.4667)	(3.3178)	(3.2868)	(3.4826)	(4.1714)
Type 2 diabetes									
α_0 (s.e.)	33.2444***	33.1820***	46.6275***	54.7332***	24.4850***	27.9988***	27.0526***	30.7794***	20.5972***
	(5.5469)	(4.7625)	(5.4679)	(6.2267)	(5.3399)	(6.4980)	(7.0274)	(6.0403)	(6.3976)
$\alpha_{1,k}$ (s.e.)	-1.6553*	-2.7446***	-3.6444***	-8.4710***	-1.2912	-1.7260	-0.8905	-1.9612*	-1.2281
	(0.9801)	(0.8082)	(1.0316)	(1.1620)	(0.9577)	(1.1797)	(1.1120)	(1.0142)	(1.1143)

Note: The table shows regression coefficients and their robust standard errors in parentheses. Regressions include the full set of covariates (see Section 4.2 and the note to Fig. 1).

* 10%, ** 5% and *** 1% significance level.

Table A11. Results from Eq. (1). Association between chronic illness and domains of SWB when including a variable for completion time.

	SWB	PWI	Standard of living	Personal health	Achieving in life	Personal relationships	Personal safety	Community connectedness	Future security
Chronic illness									
α_0 (s.e.)	33.9737***	33.6975***	47.4045***	58.2620***	26.1098***	26.4409***	28.2465***	28.6984***	20.7209***
	(4.4967)	(3.8209)	(4.6134)	(5.4426)	(4.3290)	(5.1201)	(5.4009)	(4.7967)	(5.3653)
$\alpha_{1,k}$ (s.e.)	-2.0084***	-2.7939***	-2.7507***	-8.3460***	-1.5133***	-1.4204**	-1.1764**	-1.9507***	-2.4000***
	(0.4897)	(0.4122)	(0.5192)	(0.6359)	(0.4970)	(0.5777)	(0.5777)	(0.5099)	(0.5795)
Asthma									
α_0 (s.e.)	31.6839***	32.4319***	45.5282***	55.6332***	25.0953***	24.9492***	28.0384***	29.6934***	18.0856***
	(5.0387)	(4.5086)	(5.4093)	(6.2354)	(4.9947)	(5.8202)	(6.1962)	(5.6515)	(6.3202)
$\alpha_{1,k}$ (s.e.)	-1.1534	-1.2681**	-1.6462**	-5.4228***	-0.2842	-0.9442	-0.1021	-0.4262	-0.0509
	(0.7223)	(0.6146)	(0.8129)	(1.0167)	(0.7733)	(0.8590)	(0.8678)	(0.7917)	(0.8885)
COPD									
α_0 (s.e.)	34.6217***	35.6008***	51.3320***	57.5042***	27.4217***	26.6535***	30.7486***	32.1211***	23.4249***
	(5.1933)	(4.4622)	(5.2148)	(6.0194)	(4.9374)	(5.8483)	(6.4097)	(5.8388)	(6.4292)
$\alpha_{1,k}$ (s.e.)	-2.7772***	-4.5961***	-3.4338***	-12.5448***	-2.4803**	-3.3413***	-2.7815**	-2.9122***	-4.6786***
	(1.0142)	(0.8545)	(1.0569)	(1.2516)	(1.0470)	(1.2867)	(1.1830)	(1.0062)	(1.1939)
Rheumatoid arthritis									
α_0 (s.e.)	34.9562***	35.8914***	50.6990***	59.3044***	27.8554***	26.3961***	29.7679***	34.6180***	22.5987***
	(5.2757)	(4.5996)	(5.3688)	(6.4330)	(5.0549)	(5.8627)	(6.5168)	(6.0075)	(6.5898)
$\alpha_{1,k}$ (s.e.)	-0.7120	-3.8670**	-4.1040*	-13.2556***	-2.3981	-0.5684	-2.0609	-3.1874*	-1.4943
	(1.7298)	(1.6002)	(2.2431)	(2.3288)	(1.8608)	(1.9593)	(2.0925)	(1.8257)	(1.8642)
Osteoporosis									
α_0 (s.e.)	33.8505***	34.8434***	48.3389***	57.6668***	28.4662***	25.2761***	31.6540***	32.3482***	20.1540***
	(5.2407)	(4.5018)	(5.2406)	(6.1469)	(4.9887)	(5.7310)	(6.5347)	(5.8806)	(6.5145)
$\alpha_{1,k}$ (s.e.)	-3.8968***	-4.2670***	-3.7708***	-11.9481***	-2.4134**	-1.8311*	-2.0286*	-2.9383***	-4.9391***

	(1.0340)	(0.7984)	(1.0260)	(1.3463)	(0.9992)	(1.0981)	(1.1119)	(1.0410)	(1.1888)
Type 1 diabetes									
α_0 (s.e.)	34.7676***	35.1850***	49.5489***	57.0530***	27.5106***	26.5831***	30.3575***	33.3375***	21.9046***
	(5.4004)	(4.6662)	(5.4363)	(6.3260)	(5.1460)	(5.9917)	(6.6769)	(6.1010)	(6.7349)
$\alpha_{1,k}$ (s.e.)	-6.0888**	-7.9308***	-5.7731*	-19.2603***	-4.6719**	-5.3928*	-5.8677*	-4.5574	-9.9924***
	(2.7113)	(2.2273)	(3.0142)	(3.5044)	(2.2095)	(2.8986)	(3.3500)	(3.0730)	(3.8300)
Type 2 diabetes									
α_0 (s.e.)	35.8331***	34.6363***	48.0935***	56.6057***	26.5049***	29.1202***	28.2423***	31.2830***	22.6045***
	(4.9797)	(4.0938)	(4.9915)	(5.7458)	(4.7117)	(5.4556)	(5.9672)	(5.2788)	(5.8413)
$\alpha_{1,k}$ (s.e.)	-2.4485***	-3.2735***	-4.2403***	-8.5367***	-2.1205**	-2.1531**	-1.2833	-2.4679***	-2.1130**
	(0.8572)	(0.7099)	(0.9089)	(1.0415)	(0.8522)	(1.0315)	(0.9939)	(0.8677)	(0.9531)

Note: The table shows regression coefficients and their robust standard errors in parentheses. Regressions include the full set of covariates (see Section 4.2 and the note to Fig. 1).

* 10%, ** 5% and *** 1% significance level.

Table A12. Results from Eq. (2). Heterogeneity in the association between chronic illness and domains of SWB across personal characteristics.

	SWB	PWI	Standard of living	Personal health	Achieving in life	Personal relationships	Personal safety	Community connectedness	Future security
Male									
β_0 (s.e.)	33.6809***	33.5105***	47.0530***	57.1732***	25.8649***	27.4144***	28.6246***	28.5263***	19.9174***
	(4.4888)	(3.8043)	(4.5824)	(5.4092)	(4.3033)	(5.0843)	(5.3761)	(4.7828)	(5.3520)
β_1 (s.e.)	-1.1199**	-1.4307***	-1.7652***	-0.9907*	-1.3571***	-3.2364***	-1.0448*	-0.9977**	-0.6231
	(0.4542)	(0.3940)	(0.4784)	(0.5869)	(0.4744)	(0.5498)	(0.5730)	(0.4849)	(0.5587)
β_2 (s.e.)	-2.0817***	-2.9988***	-2.8680***	-8.9736***	-1.7767***	-1.4277*	-1.0635	-2.0340***	-2.8478***
	(0.6746)	(0.5553)	(0.6807)	(0.8744)	(0.6828)	(0.7517)	(0.7851)	(0.6973)	(0.7831)
β_3 (s.e.)	0.1683	0.4516	0.2660	1.3992	0.5809	-0.0136	-0.2573	0.1867	0.9991
	(0.9497)	(0.7970)	(1.0126)	(1.2254)	(0.9681)	(1.1326)	(1.1192)	(0.9791)	(1.1204)
Age									
β_0 (s.e.)	32.5996***	32.4838***	45.9015***	54.7154***	24.8881***	27.0717***	27.6919***	28.1498***	18.9684***
	(4.5266)	(3.8409)	(4.6109)	(5.4725)	(4.3571)	(5.1181)	(5.4345)	(4.8441)	(5.4060)
β_1 (s.e.)	1.4466***	1.4430***	1.1232***	1.0604***	1.6242***	1.7508***	1.8079***	1.3167***	1.4176***
	(0.1376)	(0.1208)	(0.1438)	(0.1787)	(0.1424)	(0.1657)	(0.1761)	(0.1512)	(0.1685)
β_2 (s.e.)	3.3191	2.2165	2.9092	3.6062	3.2304	0.2639	3.4741	-0.1154	2.1470
	(3.9473)	(3.3154)	(4.0775)	(4.9692)	(3.9853)	(4.7465)	(4.6057)	(4.2821)	(4.6508)
β_3 (s.e.)	-0.4081	-0.3839	-0.4335	-0.9151**	-0.3634	-0.1302	-0.3569	-0.1405	-0.3477
	(0.2963)	(0.2496)	(0.3080)	(0.3757)	(0.3010)	(0.3568)	(0.3476)	(0.3198)	(0.3506)
Non-ethnic Danish									
β_0 (s.e.)	33.6064***	33.4488***	47.0080***	57.0850***	25.7720***	27.3669***	28.6054***	28.4827***	19.8213***
	(4.4506)	(3.7948)	(4.5742)	(5.3981)	(4.2881)	(5.0828)	(5.3771)	(4.7818)	(5.3445)
β_1 (s.e.)	-4.5270***	-4.2490***	-4.3915***	-2.8670**	-5.5205***	-4.0954***	-3.5064**	-4.6004***	-4.7619***
	(1.3046)	(1.0613)	(1.2555)	(1.4138)	(1.2818)	(1.4246)	(1.4639)	(1.2634)	(1.4086)
β_2 (s.e.)	-2.3456***	-3.0239***	-2.9251***	-8.5411***	-1.8756***	-1.6709***	-1.3181**	-2.1335***	-2.7031***
	(0.4961)	(0.4179)	(0.5251)	(0.6453)	(0.5042)	(0.5839)	(0.5854)	(0.5149)	(0.5881)
β_3 (s.e.)	7.7341***	5.2756**	4.0655	4.7803	8.2930***	5.3698*	3.0873	4.1990	7.1341**

	(2.6475)	(2.1414)	(2.9313)	(3.2508)	(2.6473)	(3.1741)	(3.2134)	(2.8790)	(3.0542)
Live alone									
β_0 (s.e.)	33.9600***	33.6088***	47.2149***	56.6320***	26.0783***	27.5173***	28.8726***	28.6404***	20.3062***
	(4.4931)	(3.8019)	(4.5854)	(5.4021)	(4.3041)	(5.0826)	(5.3728)	(4.7809)	(5.3554)
β_1 (s.e.)	-4.9363***	-4.0758***	-4.6742***	-2.6874***	-5.5139***	-4.1552***	-3.9473***	-3.4277***	-4.1246***
	(0.5693)	(0.4859)	(0.5945)	(0.6892)	(0.5800)	(0.6837)	(0.7077)	(0.5949)	(0.6904)
β_2 (s.e.)	-2.4501***	-2.9681***	-3.0130***	-7.5535***	-1.8735***	-1.5945**	-1.5573**	-2.1366***	-3.0483***
	(0.5436)	(0.4620)	(0.5793)	(0.7168)	(0.5539)	(0.6286)	(0.6325)	(0.5674)	(0.6538)
β_3 (s.e.)	1.7468	0.6935	1.0470	-3.0428**	1.4258	0.6290	1.4713	0.7381	2.5860*
	(1.1595)	(0.9556)	(1.2122)	(1.4534)	(1.1796)	(1.4167)	(1.3864)	(1.1954)	(1.3464)
Children									
β_0 (s.e.)	33.4169***	33.4646***	47.1465***	57.1820***	25.7679***	27.2658***	28.5764***	28.5103***	19.8032***
	(4.4962)	(3.8047)	(4.5896)	(5.4183)	(4.3128)	(5.0933)	(5.3813)	(4.7855)	(5.3348)
β_1 (s.e.)	0.4503**	0.2542	0.3280	-0.1395	0.4385*	0.7234***	0.0514	0.1236	0.2538
	(0.2153)	(0.1888)	(0.2322)	(0.2720)	(0.2347)	(0.2595)	(0.2732)	(0.2307)	(0.2597)
β_2 (s.e.)	-1.2294	-2.6974***	-3.0519***	-8.4929***	-1.2755	-0.9872	-1.0125	-1.9184*	-2.1433*
	(1.0335)	(0.8436)	(1.0632)	(1.2604)	(1.0535)	(1.2142)	(1.1754)	(1.0377)	(1.1562)
β_3 (s.e.)	-0.4253	-0.0514	0.1681	0.0893	-0.1285	-0.2453	-0.0929	-0.0163	-0.1345
	(0.4845)	(0.3974)	(0.4914)	(0.5864)	(0.4931)	(0.5719)	(0.5675)	(0.4759)	(0.5596)
Education									
β_0 (s.e.)	33.5430***	33.2959***	47.2515***	57.5621***	25.0844***	27.5455***	28.6669***	28.0102***	18.9505***
	(4.5380)	(3.8452)	(4.6298)	(5.4781)	(4.3467)	(5.1171)	(5.4490)	(4.8416)	(5.4158)
β_1 (s.e.)	-0.2621***	-0.1173	0.0225	-0.1167	0.0506	-0.3881***	-0.2804***	-0.0452	-0.0639
	(0.0884)	(0.0741)	(0.0902)	(0.1110)	(0.0909)	(0.1031)	(0.1082)	(0.0919)	(0.1064)
β_2 (s.e.)	-1.5550	-2.1127	-3.4485	-9.8037***	1.0739	-1.8770	-1.2970	-0.2183	0.7813
	(2.5293)	(2.1154)	(2.5835)	(3.1709)	(2.5804)	(3.0243)	(2.8796)	(2.5295)	(2.9698)
β_3 (s.e.)	-0.0323	-0.0488	0.0506	0.1060	-0.1859	0.0319	0.0083	-0.1245	-0.2281
	(0.1740)	(0.1446)	(0.1787)	(0.2192)	(0.1786)	(0.2086)	(0.2004)	(0.1745)	(0.2043)
Not working, age < 65 years[a]									
β_0 (s.e.)	24.5858***	19.6264***	35.9785***	38.6234***	7.2830	20.0685**	17.7402**	16.7500**	0.9411

	(7.7286)	(6.2341)	(7.4072)	(8.4550)	(7.3078)	(7.9512)	(8.6120)	(8.1621)	(9.0383)
β_1 (s.e.)	-9.2967***	-8.8888***	-11.8408***	-13.9799***	-9.3243***	-5.9683***	-5.0919***	-7.3498***	-8.6664***
	(1.0363)	(0.8936)	(1.1750)	(1.2849)	(1.0938)	(1.2111)	(1.2180)	(1.0902)	(1.2304)
β_2 (s.e.)	-1.2773	-2.1540***	-1.5374*	-5.5686***	-0.5255	-1.9857**	-1.1794	-2.1022**	-2.1792**
	(0.8385)	(0.6949)	(0.8131)	(1.0684)	(0.7975)	(0.9998)	(0.9985)	(0.8892)	(0.9772)
β_3 (s.e.)	1.2043	0.3200	0.9015	-3.6861	0.2631	0.8077	0.7681	1.6832	1.5025
	(1.9946)	(1.6292)	(2.1369)	(2.3151)	(2.0141)	(2.2480)	(2.2112)	(2.0560)	(2.2357)
Wealth									
β_0 (s.e.)	33.6684***	33.5182***	47.0498***	57.1785***	25.8812***	27.4712***	28.6325***	28.5218***	19.8925***
	(4.4896)	(3.8036)	(4.5838)	(5.4047)	(4.3002)	(5.0899)	(5.3794)	(4.7823)	(5.3465)
β_1 (s.e.)	0.0179	0.0191	0.0451***	0.0274**	0.0222**	-0.0140	0.0052	0.0176	0.0299**
	(0.0144)	(0.0123)	(0.0125)	(0.0132)	(0.0111)	(0.0168)	(0.0170)	(0.0156)	(0.0137)
β_2 (s.e.)	-1.9699***	-2.9000***	-2.7723***	-8.5775***	-1.6808***	-1.7083***	-1.1797*	-1.9561***	-2.4250***
	(0.5429)	(0.4626)	(0.5773)	(0.6978)	(0.5490)	(0.6337)	(0.6262)	(0.5677)	(0.6352)
β_3 (s.e.)	-0.0045	0.0144	0.0035	0.0326	0.0226	0.0362	-0.0003	0.0010	0.0048
	(0.0292)	(0.0277)	(0.0316)	(0.0360)	(0.0286)	(0.0294)	(0.0292)	(0.0309)	(0.0315)
BMI									
β_0 (s.e.)	34.4818***	34.5938***	47.6881***	59.5488***	26.9233***	27.6903***	29.2199***	29.8527***	21.2331***
	(4.5112)	(3.8267)	(4.6156)	(5.4372)	(4.3289)	(5.1323)	(5.4176)	(4.8312)	(5.3897)
β_1 (s.e.)	-0.0601	-0.1792***	-0.2026***	-0.5954***	-0.0283	-0.0826	-0.1564**	-0.0900	-0.0991
	(0.0581)	(0.0481)	(0.0596)	(0.0715)	(0.0539)	(0.0640)	(0.0654)	(0.0619)	(0.0668)
β_2 (s.e.)	-5.2223*	-7.1727***	-5.3150*	-17.9926***	-5.8089**	-2.5334	-3.5243	-7.2659**	-7.7687**
	(2.8083)	(2.3612)	(2.9931)	(3.5460)	(2.7029)	(3.1610)	(3.2348)	(2.8388)	(3.2546)
β_3 (s.e.)	0.1192	0.1624*	0.0952	0.3580***	0.1593	0.0407	0.0868	0.1970*	0.1994*
	(0.1040)	(0.0877)	(0.1112)	(0.1290)	(0.0992)	(0.1175)	(0.1194)	(0.1048)	(0.1208)
Ever smoker									
β_0 (s.e.)	33.6331***	33.4343***	47.0349***	57.0020***	25.7810***	27.3383***	28.5247***	28.5226***	19.8365***
	(4.4774)	(3.7905)	(4.5784)	(5.3881)	(4.2919)	(5.0732)	(5.3689)	(4.7793)	(5.3370)
β_1 (s.e.)	-1.2135***	-1.8060***	-2.1738***	-2.4673***	-1.4244***	-1.5008***	-0.6151	-1.6910***	-2.7698***
	(0.4442)	(0.3860)	(0.4697)	(0.5799)	(0.4607)	(0.5409)	(0.5678)	(0.4812)	(0.5476)

β_2 (s.e.)	-1.6421***	-2.2646***	-2.6650***	-7.2559***	-0.9533	-0.7794	-0.2564	-1.9683***	-1.9738***
	(0.6308)	(0.5348)	(0.6614)	(0.8418)	(0.6508)	(0.7297)	(0.7433)	(0.6587)	(0.7426)
β_3 (s.e.)	-0.7764	-1.1288	-0.1731	-2.3029*	-1.1926	-1.4033	-1.9839*	0.0432	-0.8886
	(0.9656)	(0.8019)	(1.0165)	(1.2274)	(0.9817)	(1.1409)	(1.1270)	(0.9873)	(1.1311)
Alcohol consumption									
β_0 (s.e.)	33.7609***	33.6544***	47.3770***	57.3542***	26.0457***	27.6861***	28.6988***	28.4957***	19.9234***
	(4.4956)	(3.8082)	(4.5866)	(5.4075)	(4.3048)	(5.0974)	(5.3897)	(4.7895)	(5.3519)
β_1 (s.e.)	0.1490	0.1247	0.2609	0.1657	0.0413	0.0460	0.1181	0.2008	0.0401
	(0.2220)	(0.1917)	(0.2342)	(0.2840)	(0.2360)	(0.2861)	(0.2884)	(0.2408)	(0.2759)
β_2 (s.e.)	-2.5095**	-3.7277***	-4.7110***	-9.6680***	-2.6889**	-3.0360**	-1.5709	-1.8035	-2.6155*
	(1.1878)	(0.9664)	(1.2180)	(1.4128)	(1.1587)	(1.3898)	(1.3724)	(1.1819)	(1.3768)
β_3 (s.e.)	0.2341	0.4339	0.9105*	0.6198	0.5463	0.7422	0.1803	-0.0670	0.1053
	(0.4737)	(0.3780)	(0.4830)	(0.5594)	(0.4584)	(0.5468)	(0.5553)	(0.4677)	(0.5533)
Unhealthier diet									
β_0 (s.e.)	33.5055***	33.1470***	46.6152***	56.3876***	25.6189***	26.8807***	28.0375***	28.5483***	19.9406***
	(4.4917)	(3.7997)	(4.5684)	(5.3912)	(4.3039)	(5.0918)	(5.3704)	(4.7878)	(5.3400)
β_1 (s.e.)	-2.5589***	-2.5176***	-3.3949***	-3.4734***	-2.3258***	-1.7547***	-2.1314***	-1.9443***	-2.5983***
	(0.3983)	(0.3303)	(0.3902)	(0.4751)	(0.4003)	(0.4598)	(0.4783)	(0.4054)	(0.4551)
β_2 (s.e.)	-1.0148	-0.7600	-0.2472	-4.0214*	-0.1872	1.6756	2.2845	-2.1119	-2.7124
	(1.8405)	(1.5301)	(1.9542)	(2.3646)	(1.8410)	(2.1263)	(2.2123)	(1.9190)	(2.2452)
β_3 (s.e.)	-0.4106	-0.8429	-1.0369	-1.7881*	-0.5488	-1.2905	-1.4385	0.0680	0.1345
	(0.7755)	(0.6407)	(0.8166)	(0.9599)	(0.7697)	(0.8879)	(0.9276)	(0.8034)	(0.9343)
Less exercise									
β_0 (s.e.)	33.4896***	33.2059***	46.9873***	56.3086***	25.8870***	27.2745***	28.3017***	28.3878***	19.2941***
	(4.4876)	(3.7964)	(4.5766)	(5.3925)	(4.3033)	(5.0795)	(5.3758)	(4.7779)	(5.3287)
β_1 (s.e.)	-1.0196***	-0.9346***	-1.2909***	-1.9229***	-0.6288**	-0.5215*	-0.8280***	-0.6800***	-0.6700**
	(0.2394)	(0.2060)	(0.2551)	(0.3101)	(0.2460)	(0.2899)	(0.3009)	(0.2563)	(0.2938)
β_2 (s.e.)	-0.9715	-1.1790	-2.4289	-3.7765**	-1.7373	-0.6539	0.6594	-1.2121	0.8962
	(1.3727)	(1.1567)	(1.4811)	(1.7512)	(1.4016)	(1.6683)	(1.5963)	(1.4593)	(1.6394)
β_3 (s.e.)	-0.3846	-0.6003	-0.1180	-1.6957***	0.0848	-0.2905	-0.6856	-0.2741	-1.2231**

	(0.4992)	(0.4167)	(0.5379)	(0.6298)	(0.5028)	(0.5983)	(0.5837)	(0.5239)	(0.5939)
Extraversion									
β_0 (s.e.)	34.8393***	34.5406***	47.3713***	58.1006***	26.1834***	28.8278***	31.2859***	29.6451***	20.3705***
	(4.5041)	(3.8030)	(4.6064)	(5.4124)	(4.3326)	(5.0944)	(5.3749)	(4.8074)	(5.3815)
β_1 (s.e.)	1.0451***	1.1943***	0.7656***	0.6563***	1.2748***	1.8142***	1.5137***	1.0767***	1.2588***
	(0.1723)	(0.1463)	(0.1749)	(0.2156)	(0.1788)	(0.2087)	(0.2168)	(0.1835)	(0.2145)
β_2 (s.e.)	-5.3260***	-5.7730***	-3.6787*	-11.1068***	-2.4725	-5.4665**	-8.7536***	-5.1587**	-3.7741*
	(1.9920)	(1.6453)	(2.0755)	(2.2735)	(1.9986)	(2.3473)	(2.2369)	(2.0494)	(2.2285)
β_3 (s.e.)	0.6713*	0.6026**	0.1886	0.5611	0.1946	0.8149*	1.5302***	0.6488*	0.2801
	(0.3690)	(0.3064)	(0.3903)	(0.4337)	(0.3719)	(0.4358)	(0.4175)	(0.3818)	(0.4243)
Agreeableness									
β_0 (s.e.)	34.0887***	33.8464***	47.5326***	56.7364***	26.6347***	27.8228***	28.8334***	29.3764***	19.9888***
	(4.5250)	(3.8271)	(4.6190)	(5.4566)	(4.3494)	(5.1158)	(5.3985)	(4.8025)	(5.3901)
β_1 (s.e.)	0.9508***	0.9666***	0.8492***	0.4835*	0.8756***	1.5113***	1.3267***	0.4561**	1.2635***
	(0.2092)	(0.1791)	(0.2235)	(0.2717)	(0.2188)	(0.2502)	(0.2685)	(0.2259)	(0.2633)
β_2 (s.e.)	-3.4402	-4.0092**	-4.4421*	-6.9704**	-4.2497*	-2.8514	-1.8783	-4.9232**	-2.7491
	(2.3401)	(1.9681)	(2.5315)	(2.8527)	(2.5508)	(2.8730)	(2.7995)	(2.3582)	(2.7371)
β_3 (s.e.)	0.2860	0.2427	0.3379	-0.2709	0.5459	0.2824	0.1388	0.5927	0.0719
	(0.4468)	(0.3743)	(0.4839)	(0.5564)	(0.4823)	(0.5387)	(0.5380)	(0.4478)	(0.5262)
Conscientiousness									
β_0 (s.e.)	33.0896***	33.1793***	46.2982***	56.4310***	25.2829***	27.7841***	29.3326***	28.2503***	18.8757***
	(4.5692)	(3.8847)	(4.6792)	(5.4897)	(4.4233)	(5.1681)	(5.4647)	(4.8705)	(5.4515)
β_1 (s.e.)	0.6495**	0.6135***	1.0552***	0.7697**	0.7677***	0.6480**	0.0692	0.4301	0.5545*
	(0.2550)	(0.2158)	(0.2610)	(0.3005)	(0.2638)	(0.2966)	(0.3096)	(0.2640)	(0.3010)
β_2 (s.e.)	0.1611	-1.6208	0.0124	-5.7547	0.5719	-2.7991	-3.7681	-0.9507	1.3423
	(3.1091)	(2.4656)	(3.0584)	(3.6488)	(3.0372)	(3.5079)	(3.4563)	(2.9719)	(3.3427)
β_3 (s.e.)	-0.3641	-0.1968	-0.4638	-0.4331	-0.3500	0.2296	0.4349	-0.1677	-0.6273
	(0.5059)	(0.4035)	(0.5003)	(0.6031)	(0.4964)	(0.5715)	(0.5684)	(0.4856)	(0.5498)
Emotional stability									
β_0 (s.e.)	34.4589***	33.8875***	47.4228***	57.4470***	26.1047***	28.2271***	29.7373***	28.3613***	19.9124***

	(4.5305)	(3.8395)	(4.6179)	(5.4461)	(4.3675)	(5.1175)	(5.4320)	(4.8388)	(5.3989)
β_1 (s.e.)	2.0572***	2.0543***	1.2060***	1.6113***	1.9016***	1.3564***	1.8191***	3.6147***	2.8707***
	(0.2181)	(0.1830)	(0.2226)	(0.2735)	(0.2265)	(0.2555)	(0.2652)	(0.2357)	(0.2623)
β_2 (s.e.)	-4.5218*	-4.0496**	-3.9616*	-9.3560***	-2.3409	-4.0439	-4.7304*	-1.4376	-2.4764
	(2.3128)	(1.9009)	(2.3491)	(2.6463)	(2.4605)	(2.6513)	(2.6452)	(2.4053)	(2.6062)
β_3 (s.e.)	0.4855	0.2427	0.2345	0.1978	0.1603	0.5033	0.6843	-0.0985	0.0170
	(0.4167)	(0.3419)	(0.4262)	(0.4913)	(0.4397)	(0.4795)	(0.4812)	(0.4266)	(0.4757)
Openness to experiences									
β_0 (s.e.)	35.3253***	34.6125***	47.2389***	58.7161***	26.6652***	29.1055***	30.1173***	29.9673***	20.4771***
	(4.5383)	(3.8609)	(4.6368)	(5.4628)	(4.3707)	(5.1242)	(5.4214)	(4.8456)	(5.3955)
β_1 (s.e.)	0.1744	0.0512	0.0902	-0.5062*	0.3863*	0.2560	0.1106	0.0147	0.0069
	(0.2139)	(0.1848)	(0.2209)	(0.2710)	(0.2155)	(0.2598)	(0.2595)	(0.2291)	(0.2620)
β_2 (s.e.)	-8.0414***	-6.8771***	-3.4577	-14.1424***	-4.5071*	-7.6203***	-6.6134**	-7.2433***	-4.5552
	(2.4625)	(2.0289)	(2.4583)	(2.8557)	(2.5273)	(2.8132)	(2.7454)	(2.4849)	(2.8185)
β_3 (s.e.)	1.1790***	0.7980**	0.1391	1.1351**	0.5854	1.2082**	1.0608**	1.0341**	0.4232
	(0.4553)	(0.3744)	(0.4602)	(0.5361)	(0.4680)	(0.5208)	(0.5143)	(0.4576)	(0.5301)
Planning horizon									
β_0 (s.e.)	34.0215***	33.8691***	47.4119***	57.6481***	26.5911***	27.5360***	29.3594***	28.4228***	20.1147***
	(4.5119)	(3.8178)	(4.6171)	(5.4277)	(4.3234)	(5.1124)	(5.3985)	(4.7975)	(5.3704)
β_1 (s.e.)	0.0771	-0.0782	-0.0062	-1.1460***	0.2856	0.5278***	0.2638	-0.2099	-0.2626
	(0.1690)	(0.1473)	(0.1829)	(0.2219)	(0.1776)	(0.2047)	(0.2217)	(0.1789)	(0.2067)
β_2 (s.e.)	-3.3593*	-4.2527***	-4.1851**	-10.3678***	-4.4270**	-1.9083	-4.0264*	-1.5667	-3.2878
	(1.8441)	(1.4851)	(1.9710)	(2.2632)	(1.7643)	(2.0627)	(2.1580)	(1.7837)	(2.0748)
β_3 (s.e.)	0.2954	0.3186	0.3138	0.4442	0.6360*	0.1034	0.6201	-0.0832	0.1961
	(0.3796)	(0.3068)	(0.4023)	(0.4734)	(0.3667)	(0.4258)	(0.4426)	(0.3733)	(0.4352)
Internal health locus of control									
β_0 (s.e.)	34.9944***	34.6841***	47.5957***	59.5871***	26.3557***	28.5955***	29.8445***	29.3986***	21.4113***
	(4.5060)	(3.8374)	(4.6444)	(5.4821)	(4.3407)	(5.1298)	(5.4015)	(4.7926)	(5.3573)
β_1 (s.e.)	0.3598***	0.3680***	0.3504***	0.8540***	0.2044***	0.1639***	0.1829***	0.3165***	0.5042***
	(0.0376)	(0.0323)	(0.0406)	(0.0506)	(0.0381)	(0.0432)	(0.0442)	(0.0403)	(0.0453)

β_2 (s.e.)	-6.2182***	-6.5874***	-4.5072**	-16.1879***	-3.1381*	-5.2063***	-5.0528***	-4.7547***	-7.2649***
	(1.6971)	(1.3805)	(1.7564)	(2.2386)	(1.6031)	(1.9438)	(1.8622)	(1.7313)	(2.0006)
β_3 (s.e.)	0.2068***	0.1863***	0.0865	0.3857***	0.0799	0.1851**	0.1900**	0.1377*	0.2393***
	(0.0735)	(0.0604)	(0.0771)	(0.0968)	(0.0718)	(0.0863)	(0.0823)	(0.0751)	(0.0878)
Health literacy									
β_0 (s.e.)	34.7612***	34.4064***	48.0877***	58.6475***	26.3163***	27.6295***	29.4115***	29.9017***	20.8503***
	(4.5430)	(3.8503)	(4.6523)	(5.4896)	(4.3821)	(5.1388)	(5.4555)	(4.8282)	(5.4072)
β_1 (s.e.)	2.0254***	2.2894***	2.5027***	2.7836***	1.5261***	1.5270***	1.9552***	2.5061***	3.2250***
	(0.3368)	(0.2822)	(0.3398)	(0.3953)	(0.3356)	(0.3753)	(0.3778)	(0.3388)	(0.3843)
β_2 (s.e.)	-5.9196**	-6.0746***	-6.5081**	-13.8110***	-3.2056	-2.2079	-3.9897	-6.9302**	-5.8697*
	(2.6597)	(2.1288)	(2.7047)	(3.0162)	(2.6183)	(2.8858)	(3.0781)	(2.8131)	(3.1856)
β_3 (s.e.)	1.0897	0.9138	1.0471	1.5253*	0.4720	0.2154	0.7814	1.3865*	0.9689
	(0.7025)	(0.5642)	(0.7133)	(0.8030)	(0.6908)	(0.7689)	(0.8192)	(0.7401)	(0.8417)
Risk aversion									
β_0 (s.e.)	33.9024***	33.5173***	47.1107***	57.4607***	25.3007***	27.3819***	28.6601***	28.7920***	19.9149***
	(4.4964)	(3.8142)	(4.6068)	(5.4117)	(4.3258)	(5.0935)	(5.3982)	(4.7980)	(5.3642)
β_1 (s.e.)	0.3576***	0.3376***	0.3039***	0.0509	0.6936***	0.3314***	0.2620**	0.4013***	0.3203**
	(0.1081)	(0.0920)	(0.1091)	(0.1334)	(0.1077)	(0.1268)	(0.1321)	(0.1136)	(0.1285)
β_2 (s.e.)	-2.6803*	-2.8549**	-2.9434**	-9.3218***	0.1142	-1.3359	-1.2628	-2.7576*	-2.4775
	(1.4038)	(1.1606)	(1.4550)	(1.7221)	(1.3666)	(1.5775)	(1.5528)	(1.4657)	(1.6216)
β_3 (s.e.)	0.1214	0.0115	0.0355	0.1780	-0.2915	-0.0176	0.0145	0.1453	0.0160
	(0.2203)	(0.1837)	(0.2278)	(0.2783)	(0.2142)	(0.2530)	(0.2499)	(0.2283)	(0.2587)

Note: The table shows regression coefficients and their robust standard errors in parentheses for domains of SWB. Regressions include the full set of covariates (see Section 4.3 and the note to Fig. 1).

* 10%, ** 5% and *** 1% significance level.

[a] The regression for the interaction between labour market attachment and chronic illness is for the subgroup of individuals aged below 65 years.

Table A13. Results from Eq. (3). Differential association between health and domains of SWB among chronically ill across personal characteristics.

	SWB	PWI	Standard of living	Personal health	Achieving in life	Personal relationships	Personal safety	Community connectedness	Future security
Male									
γ_0 (s.e.)	4.7524	5.1667	20.2756**	10.6385	5.1144	3.5438	11.4382	-9.1163	-5.7270
	(8.4143)	(6.8307)	(9.0934)	(9.9948)	(8.6202)	(10.9239)	(10.4467)	(8.9756)	(10.1481)
γ_1 (s.e.)	-3.2911	-2.0589	-6.3743	-6.2024	1.3354	-2.4364	0.8782	-1.4492	-0.1635
	(4.3009)	(3.5271)	(4.4114)	(4.5557)	(4.3413)	(5.7554)	(5.3924)	(5.2579)	(5.7376)
γ_2 (s.e.)	33.7523***	31.4940***	32.2192***	59.9586***	22.9220***	24.1994***	21.3541***	29.7002***	30.1043***
	(3.3419)	(2.5649)	(3.5034)	(3.5942)	(3.2246)	(3.8123)	(3.7980)	(3.3951)	(3.6475)
γ_3 (s.e.)	1.7435	0.2755	4.7753	5.5327	-3.3098	-2.2016	-2.8681	0.1543	-0.1544
	(4.7561)	(3.9250)	(4.9105)	(5.1351)	(4.7992)	(6.4012)	(6.0622)	(5.8618)	(6.3991)
Age									
γ_0 (s.e.)	-0.8665	19.4153	24.4820	30.5372	-2.7506	8.9567	47.8665**	0.5952	26.2203
	(18.7385)	(15.3616)	(19.5456)	(22.4921)	(18.2633)	(22.7800)	(22.9891)	(21.7413)	(23.2149)
γ_1 (s.e.)	1.6870	0.1116	0.3735	-1.2936	1.8645	1.4037	-1.1570	0.7929	-1.2024
	(1.3168)	(1.0677)	(1.3822)	(1.5543)	(1.2601)	(1.5700)	(1.6026)	(1.5411)	(1.6338)
γ_2 (s.e.)	40.3533**	14.6177	27.1000	36.2397	32.3297*	17.8556	-21.6879	18.1986	-7.7122
	(19.5137)	(16.2279)	(20.1501)	(23.6743)	(18.8086)	(22.4780)	(24.0943)	(23.5635)	(25.0558)
γ_3 (s.e.)	-0.4571	1.2994	0.5238	1.9685	-0.8116	0.4247	3.2153*	0.8846	2.8903
	(1.4761)	(1.2040)	(1.5422)	(1.7780)	(1.4072)	(1.7316)	(1.8012)	(1.7494)	(1.8548)
Non-ethnic Danish									
γ_0 (s.e.)	3.6494	3.6510	18.2172**	6.9660	5.7950	3.6200	10.4653	-11.6447	-7.8615
	(8.2810)	(6.7117)	(8.9395)	(9.7759)	(8.4206)	(10.9813)	(10.1911)	(8.7344)	(9.9437)
γ_1 (s.e.)	11.8128*	17.6555***	7.4541	24.3924***	9.2706	10.8440	20.3480**	25.7426***	25.5371**
	(6.8784)	(4.7874)	(7.7876)	(8.0116)	(7.0223)	(6.7196)	(9.0485)	(9.4077)	(10.0911)
γ_2 (s.e.)	34.9574***	33.1461***	34.4711***	63.9706***	22.1743***	24.1123***	22.4091***	32.4557***	32.4300***
	(2.8142)	(2.2077)	(2.9133)	(2.9371)	(2.7323)	(3.6100)	(3.2239)	(2.8333)	(3.1878)
γ_3 (s.e.)	-6.6395	-17.9118***	-6.0840	-23.2339**	-5.1631	-8.1674	-24.1179**	-31.1441***	-27.4719**

	(7.9996)	(6.0020)	(8.9821)	(9.6872)	(8.4274)	(7.7809)	(11.1633)	(11.4925)	(12.2334)
Live alone									
γ_0 (s.e.)	4.8556	5.8915	21.0217**	10.2420	7.4915	4.5108	12.1643	-8.9367	-5.2527
	(8.3896)	(6.7847)	(8.9738)	(9.9327)	(8.4989)	(11.0064)	(10.3126)	(8.8430)	(10.0224)
γ_1 (s.e.)	-5.0656	-5.2941	-10.8127**	-9.1915**	-8.0273*	-3.5925	-0.5459	-3.0230	-1.8657
	(4.3843)	(3.8064)	(4.3134)	(4.6784)	(4.6369)	(5.8842)	(6.1019)	(5.7384)	(6.0366)
γ_2 (s.e.)	33.4632***	30.4885***	30.7997***	60.0223***	19.9848***	23.0777***	20.6160***	29.4437***	29.4749***
	(3.2047)	(2.3391)	(3.3337)	(3.4631)	(2.9739)	(3.6376)	(3.3325)	(3.0101)	(3.3501)
γ_3 (s.e.)	2.8459	3.4230	9.7392**	5.9918	5.3960	1.0117	-0.9218	0.9672	1.7769
	(4.8991)	(4.3525)	(4.8422)	(5.4256)	(5.2141)	(6.7109)	(7.0195)	(6.5612)	(6.9402)
Children									
γ_0 (s.e.)	0.0482	2.9030	12.9893	9.0704	5.9273	5.2418	7.9466	-11.3371	-9.5176
	(8.8382)	(7.1117)	(9.2258)	(10.4090)	(9.0401)	(11.6358)	(11.0563)	(9.3045)	(10.5170)
γ_1 (s.e.)	2.1118	1.4048	3.6126**	-0.3486	0.5627	-0.0220	2.3159	1.3283	2.3849
	(1.8101)	(1.3223)	(1.5347)	(1.9790)	(1.7818)	(2.1220)	(2.1394)	(1.9289)	(2.0578)
γ_2 (s.e.)	39.1959***	34.1267***	40.6027***	61.6579***	22.0513***	22.2710***	25.4915***	32.2856***	34.5271***
	(4.2065)	(3.0161)	(3.7871)	(4.6670)	(4.3989)	(5.5865)	(4.8733)	(4.3604)	(4.3154)
γ_3 (s.e.)	-2.7511	-1.4477	-3.8055**	0.1707	-0.1855	0.6476	-2.9563	-1.4457	-2.5594
	(2.0491)	(1.4920)	(1.7359)	(2.3019)	(2.0102)	(2.3961)	(2.3980)	(2.1703)	(2.3135)
Education									
γ_0 (s.e.)	7.3233	3.0741	24.2644*	7.5651	-9.6380	10.8787	3.2891	-9.9064	-4.9342
	(11.3790)	(9.7725)	(12.7905)	(12.9696)	(11.7830)	(15.4887)	(15.2539)	(14.3318)	(15.4268)
γ_1 (s.e.)	-0.6654	-0.1018	-0.4533	-0.0547	1.0296	-1.0125	0.3318	-0.1463	-0.4072
	(0.6564)	(0.5886)	(0.7295)	(0.7673)	(0.6810)	(0.8621)	(0.9255)	(0.9236)	(0.9808)
γ_2 (s.e.)	30.2529***	34.2209***	26.6416**	63.5961***	42.5223***	14.7297	32.2557**	30.7261**	29.0747*
	(10.3687)	(9.1273)	(11.5417)	(11.5755)	(10.5199)	(13.9895)	(14.2177)	(13.4782)	(14.8254)
γ_3 (s.e.)	0.3091	-0.1967	0.5467	-0.1227	-1.5569**	0.6494	-0.8937	-0.0726	0.0729
	(0.7494)	(0.6697)	(0.8247)	(0.8783)	(0.7673)	(0.9921)	(1.0644)	(1.0386)	(1.1143)
Not working, age < 65 years[a]									
γ_0 (s.e.)	-29.7388*	-22.8364	-13.6945	-24.2372	-30.6799*	8.1981	3.5290	-40.5997**	-62.3705***

	(17.4976)	(14.4921)	(17.4214)	(20.0982)	(17.6712)	(21.1966)	(20.9724)	(18.8841)	(20.6644)
γ_1 (s.e.)	4.1878	3.3625	-8.2748	15.0883**	-8.4754	3.2444	1.9580	8.9726	11.0242
	(7.1052)	(5.5335)	(6.2506)	(7.2600)	(7.1586)	(8.1788)	(7.9039)	(7.2398)	(7.9581)
γ_2 (s.e.)	43.1007***	35.2199***	32.4472***	73.7811***	21.6430***	25.6098***	17.6012**	36.6029***	38.8538***
	(7.1586)	(5.5351)	(6.3593)	(7.0847)	(6.9608)	(8.0741)	(7.4327)	(6.7055)	(7.7732)
γ_3 (s.e.)	-7.0406	-8.6940	2.7666	-27.4853***	2.7084	-5.3250	-3.0053	-13.0874	-17.4303*
	(8.0923)	(6.4857)	(7.3719)	(8.7064)	(8.5414)	(9.4148)	(9.4598)	(8.4896)	(9.2932)
Wealth									
γ_0 (s.e.)	6.0460	6.7092	19.7785**	11.9640	7.0262	4.7470	14.0513	-7.7613	-2.8412
	(8.3263)	(6.7184)	(8.9487)	(9.8724)	(8.4456)	(10.9950)	(10.2047)	(8.7214)	(9.9210)
γ_1 (s.e.)	-0.3103***	-0.2510***	-0.1493	-0.4927***	-0.0987	-0.0594	-0.2865**	-0.2210	-0.4493***
	(0.0940)	(0.0943)	(0.1460)	(0.1208)	(0.1694)	(0.1638)	(0.1377)	(0.1551)	(0.1235)
γ_2 (s.e.)	33.0939***	30.4676***	33.2010***	59.7854***	21.1611***	23.0753***	19.1690***	28.7868***	28.0945***
	(2.7043)	(2.1905)	(2.8670)	(2.9177)	(2.6792)	(3.4816)	(3.2555)	(2.9197)	(3.2401)
γ_3 (s.e.)	0.3674***	0.3212***	0.2119	0.6194***	0.1613	0.0938	0.3279**	0.2765	0.5574***
	(0.1066)	(0.1055)	(0.1627)	(0.1347)	(0.1844)	(0.1806)	(0.1540)	(0.1725)	(0.1420)
BMI									
γ_0 (s.e.)	-11.2320	-5.5809	11.2014	-9.1197	-4.0844	5.9688	3.4883	-27.9952**	-18.5254
	(11.8474)	(9.4988)	(13.3130)	(13.3972)	(11.5915)	(14.3525)	(13.2587)	(11.8113)	(13.7153)
γ_1 (s.e.)	0.6433**	0.4282*	0.2539	0.6000*	0.5414*	-0.0685	0.2490	0.8374***	0.5841
	(0.3208)	(0.2544)	(0.3770)	(0.3222)	(0.2775)	(0.3571)	(0.3410)	(0.2919)	(0.3722)
γ_2 (s.e.)	55.2079***	45.9961***	44.0796***	86.1944***	35.6338***	21.1080*	32.3408***	55.2020***	47.4144***
	(10.9126)	(8.5801)	(12.6036)	(11.7329)	(9.9494)	(12.3918)	(11.6531)	(9.9653)	(12.2508)
γ_3 (s.e.)	-0.7458*	-0.5158*	-0.3630	-0.8680**	-0.4980	0.0822	-0.4306	-0.9113***	-0.6219
	(0.3822)	(0.3086)	(0.4556)	(0.3951)	(0.3362)	(0.4230)	(0.4106)	(0.3500)	(0.4469)
Ever smoker									
γ_0 (s.e.)	7.9463	7.6837	20.4002**	10.0235	9.3709	7.5887	15.5738	-7.5328	-1.6383
	(8.5078)	(6.8014)	(9.1199)	(10.1413)	(8.5702)	(11.0726)	(10.3678)	(8.9917)	(10.0192)
γ_1 (s.e.)	-9.7425**	-8.2467**	-5.8716	-6.3081	-9.4879**	-9.7577*	-9.2793*	-5.0501	-11.9720**
	(4.0584)	(3.2023)	(4.2137)	(4.4000)	(3.9545)	(5.2153)	(4.9987)	(4.6859)	(5.0080)

γ_2 (s.e.)	29.6783***	28.3387***	31.8231***	60.4474***	17.7763***	19.2621***	16.3372***	27.7160***	25.0091***
	(3.4220)	(2.7546)	(3.5721)	(4.1434)	(3.3279)	(3.9298)	(4.1019)	(3.9230)	(4.2069)
γ_3 (s.e.)	9.7479**	6.7452*	4.3948	3.1277	8.1869*	8.5845	8.2508	4.2275	10.4439*
	(4.5707)	(3.6025)	(4.7407)	(5.0411)	(4.4618)	(5.9196)	(5.6538)	(5.2538)	(5.6519)
Alcohol consumption									
γ_0 (s.e.)	8.3360	10.6937	20.1397**	22.0934**	9.8085	4.3956	18.5619*	-4.8367	4.6938
	(9.1376)	(7.1691)	(9.6123)	(10.6653)	(9.1308)	(12.1577)	(11.2258)	(9.2852)	(10.8632)
γ_1 (s.e.)	-1.7961	-2.4317	0.3009	-6.6884***	-1.0521	0.7408	-2.9920	-2.0932	-5.2377**
	(2.2445)	(1.5973)	(2.2602)	(2.0122)	(2.0105)	(2.5818)	(2.5365)	(2.1964)	(2.3136)
γ_2 (s.e.)	29.8012***	25.4052***	32.3590***	47.3292***	17.7581***	23.2657***	13.5131**	24.9857***	18.6258***
	(4.9875)	(3.8971)	(5.0173)	(5.1566)	(4.4400)	(6.4130)	(6.0747)	(5.3521)	(6.0621)
γ_3 (s.e.)	2.6356	3.5605**	0.9117	8.4161***	2.2834	0.0798	3.9155	2.7446	6.5723**
	(2.4774)	(1.7811)	(2.5191)	(2.2873)	(2.2495)	(2.8711)	(2.8505)	(2.4907)	(2.6025)
Unhealthier diet									
γ_0 (s.e.)	7.6855	2.9164	27.3137**	-8.0853	7.3610	12.1319	16.2082	-18.9096	-15.6049
	(10.9001)	(9.5471)	(11.6632)	(11.4920)	(10.7326)	(14.0404)	(16.4790)	(14.5920)	(15.9123)
γ_1 (s.e.)	-3.3800	-1.6028	-7.2661***	3.1736	-3.0703	-5.2112	-4.1359	2.9465	2.3439
	(2.6712)	(2.7536)	(2.6984)	(2.4965)	(2.6684)	(3.3607)	(5.2807)	(4.6004)	(4.9403)
γ_2 (s.e.)	29.8721***	34.3697***	22.8715**	83.6824***	20.2415**	13.2968	15.4019	42.2806***	42.8129***
	(8.3058)	(8.3248)	(8.8695)	(8.0263)	(8.2307)	(10.6135)	(15.3743)	(13.6649)	(14.5930)
γ_3 (s.e.)	1.7019	-1.0477	4.1785	-8.1991***	0.5605	3.8145	1.8554	-4.7267	-4.8171
	(2.9902)	(3.1656)	(2.9892)	(2.8591)	(2.9998)	(3.7577)	(6.0805)	(5.2755)	(5.6673)
Less exercise									
γ_0 (s.e.)	2.1323	-4.5937	14.3880	-6.2137	-1.6194	-4.0839	8.6854	-23.8656**	-19.4467
	(10.6446)	(8.3215)	(11.0944)	(11.6313)	(10.5956)	(13.7371)	(12.8306)	(10.9796)	(12.4152)
γ_1 (s.e.)	0.3888	2.8375*	0.9701	3.3373	2.9335	3.3002	0.6931	5.0224**	3.6060
	(2.1985)	(1.6466)	(2.2836)	(2.1239)	(2.1143)	(2.9174)	(2.6188)	(2.3581)	(2.5300)
γ_2 (s.e.)	37.0858***	44.3770***	39.6458***	81.8241***	32.0718***	34.4481***	25.2080***	49.1878***	48.2538***
	(7.8813)	(5.8745)	(8.2023)	(7.9241)	(7.8916)	(10.6498)	(9.3007)	(8.2932)	(8.7506)
γ_3 (s.e.)	-0.8766	-4.1445**	-1.8486	-6.4411***	-3.3539	-3.5804	-1.5852	-6.2999**	-5.9022**

	(2.4454)	(1.8350)	(2.5329)	(2.3848)	(2.3420)	(3.2671)	(2.9707)	(2.6182)	(2.8611)
Extraversion									
γ_0 (s.e.)	-3.4211	2.1894	11.6709	23.0603**	5.0972	4.5330	3.6772	-18.0281*	-14.6846
	(9.8305)	(7.7802)	(10.0966)	(11.1110)	(10.1129)	(13.4800)	(11.8209)	(10.0048)	(11.4013)
γ_1 (s.e.)	3.0258**	2.1509**	2.2136	-2.7284**	1.5261	2.1756	4.9403***	3.4346**	3.4946**
	(1.3281)	(1.0035)	(1.3744)	(1.2743)	(1.3517)	(1.7785)	(1.4737)	(1.3392)	(1.5301)
γ_2 (s.e.)	44.5006***	35.4372***	43.3054***	42.9858***	23.2028***	23.0537**	31.9127***	41.5555***	42.0446***
	(7.2104)	(5.5253)	(7.0965)	(7.1600)	(7.3332)	(10.1760)	(8.3223)	(7.2024)	(8.3787)
γ_3 (s.e.)	-2.1972	-0.8346	-2.0328	4.1193***	-0.3205	0.0761	-2.5176	-2.5622*	-2.6048
	(1.4883)	(1.1313)	(1.5131)	(1.4540)	(1.5033)	(2.0373)	(1.6751)	(1.4907)	(1.7234)
Agreeableness									
γ_0 (s.e.)	2.4532	4.6797	11.5900	35.1548***	8.2570	-1.7275	7.7071	-17.1269	-11.0965
	(11.9805)	(9.4832)	(12.6286)	(13.5311)	(11.9673)	(17.0616)	(13.9910)	(12.5375)	(13.7754)
γ_1 (s.e.)	1.4438	1.1752	2.6221	-5.5236***	0.9589	2.8018	2.1431	2.7209	2.5031
	(1.8624)	(1.4762)	(1.9983)	(1.9796)	(1.9384)	(2.7341)	(2.1755)	(2.0288)	(2.1966)
γ_2 (s.e.)	36.5825***	32.0991***	43.0190***	28.3402**	19.1088*	31.0581**	26.2870**	39.9143***	36.9661***
	(10.3366)	(8.2549)	(10.8358)	(11.3722)	(10.5064)	(15.7801)	(12.4591)	(11.6817)	(12.7664)
γ_3 (s.e.)	-0.4528	-0.1040	-1.8675	6.9174***	0.5387	-1.5749	-1.2282	-2.0903	-1.4235
	(2.0727)	(1.6406)	(2.1949)	(2.2649)	(2.1209)	(3.0568)	(2.4659)	(2.2652)	(2.4691)
Conscientiousness									
γ_0 (s.e.)	5.8420	13.3871	20.4353	33.6681**	6.0923	3.7757	19.9801	-3.5728	13.3311
	(12.9862)	(10.8603)	(12.7686)	(14.1826)	(12.7621)	(16.9670)	(16.7714)	(14.8150)	(16.2443)
γ_1 (s.e.)	-0.0694	-1.0165	0.1838	-3.8955**	0.3436	0.9670	-1.0441	-0.5395	-3.1308
	(1.7996)	(1.5586)	(1.7096)	(1.7796)	(1.8384)	(2.3072)	(2.4370)	(2.2153)	(2.3513)
γ_2 (s.e.)	32.3296***	21.3458**	31.8054***	31.3119**	21.8665*	24.0134	10.9523	22.8581	6.6127
	(12.1831)	(10.7642)	(11.3701)	(12.4817)	(12.2225)	(15.6063)	(17.1831)	(15.4499)	(16.4658)
γ_3 (s.e.)	0.3546	1.7707	0.3695	5.2951**	-0.0242	-0.1052	1.6184	1.1919	4.0495
	(2.0199)	(1.7565)	(1.9163)	(2.0545)	(2.0529)	(2.5912)	(2.7876)	(2.5035)	(2.6878)
Emotional stability									
γ_0 (s.e.)	-4.6972	4.6900	15.5828	36.0139***	-0.0546	1.2568	4.7729	-20.0550*	-4.6870

	(10.8111)	(8.7713)	(11.1538)	(11.2528)	(11.9575)	(14.5068)	(14.0495)	(11.0187)	(12.3397)
γ_1 (s.e.)	3.7303**	1.6042	1.5082	-5.9902***	3.1309	1.8996	3.6065*	4.9765***	2.0979
	(1.7349)	(1.3655)	(1.6397)	(1.4335)	(1.9379)	(2.1895)	(2.1244)	(1.7199)	(1.9044)
γ_2 (s.e.)	46.3832***	32.1153***	38.1606***	25.1745***	30.1926***	27.4786**	30.6108**	44.4794***	28.7110***
	(9.5906)	(7.8594)	(9.1011)	(8.2713)	(11.1245)	(12.5411)	(12.5284)	(9.9469)	(10.6218)
γ_3 (s.e.)	-2.5208	-0.1096	-0.8857	7.7258***	-1.7782	-0.8558	-2.1618	-3.0926	0.2809
	(1.9466)	(1.5411)	(1.8322)	(1.6626)	(2.1869)	(2.4977)	(2.4148)	(1.9218)	(2.1434)
Openness to experiences									
γ_0 (s.e.)	-16.9313	-0.9921	13.7543	21.0148*	-3.4208	-9.8937	7.7970	-19.4745*	-16.7216
	(10.8377)	(8.6068)	(10.7685)	(12.0072)	(10.9847)	(15.3705)	(13.8704)	(11.7326)	(12.8098)
γ_1 (s.e.)	5.7160***	1.9089	1.1929	-2.4123	3.0487*	4.3703*	1.3433	3.2078*	2.6112
	(1.6404)	(1.3001)	(1.5377)	(1.5688)	(1.7224)	(2.2578)	(2.1535)	(1.8811)	(1.9874)
γ_2 (s.e.)	62.2081***	39.5924***	40.4646***	45.8735***	34.4167***	42.0748***	26.3650**	43.3432***	44.6090***
	(8.9982)	(7.3120)	(8.3187)	(9.0337)	(9.4577)	(12.9320)	(12.1723)	(10.7467)	(11.2642)
γ_3 (s.e.)	-5.8752***	-1.6889	-1.3768	3.3958*	-2.6794	-3.9421	-1.2767	-2.8688	-3.0743
	(1.7980)	(1.4442)	(1.6972)	(1.7774)	(1.8816)	(2.5660)	(2.4085)	(2.1023)	(2.2463)
Planning horizon									
γ_0 (s.e.)	3.9668	8.5296	18.2351*	12.0716	1.9913	15.8253	8.7205	-3.8479	6.7114
	(9.8414)	(8.1958)	(10.5350)	(11.7618)	(9.8129)	(13.0787)	(12.0305)	(10.3921)	(12.1940)
γ_1 (s.e.)	0.6574	-0.2554	0.7352	-0.9204	2.0267	-1.6754	1.7423	-1.2751	-2.4211
	(1.2979)	(1.0167)	(1.3556)	(1.3021)	(1.2318)	(1.5882)	(1.4677)	(1.3179)	(1.5377)
γ_2 (s.e.)	34.6328***	27.4812***	34.4985***	58.0781***	26.7448***	9.6453	24.6804***	23.4223***	15.2990*
	(7.2806)	(6.0509)	(7.7677)	(7.6075)	(7.0517)	(8.9932)	(8.6795)	(7.4664)	(9.0837)
γ_3 (s.e.)	-0.0561	0.9188	-0.1240	0.8666	-1.1212	3.0742*	-0.9746	1.4151	3.2955*
	(1.4558)	(1.1438)	(1.5341)	(1.5138)	(1.3906)	(1.8099)	(1.6875)	(1.4743)	(1.7450)
Internal health locus of control									
γ_0 (s.e.)	2.7913	3.9575	21.5487**	4.5878	11.5045	2.7883	8.7636	-10.6365	-10.8543
	(9.2229)	(7.3465)	(9.8820)	(10.8163)	(9.3306)	(12.3594)	(11.4701)	(10.0130)	(11.0777)
γ_1 (s.e.)	0.3608	0.3583*	-0.0540	0.9639***	-0.2522	0.2535	0.4525	0.3007	0.8434**
	(0.2702)	(0.2038)	(0.2795)	(0.3015)	(0.2847)	(0.3499)	(0.3339)	(0.3227)	(0.3396)

γ_2 (s.e.)	36.1870***	33.0499***	30.2355***	67.4603***	14.8266***	25.3334***	25.0327***	31.6692***	36.7916***
	(5.4225)	(3.7561)	(5.5690)	(6.2965)	(5.3340)	(7.6020)	(6.2601)	(5.8839)	(6.2788)
γ_3 (s.e.)	-0.1133	-0.0914	0.2328	-0.3455	0.4332	-0.1211	-0.2960	-0.1201	-0.4233
	(0.3026)	(0.2256)	(0.3114)	(0.3475)	(0.3173)	(0.3957)	(0.3723)	(0.3538)	(0.3727)
Health literacy									
γ_0 (s.e.)	7.0639	11.6235	24.2214**	23.2019**	9.3961	10.7871	13.7595	-3.1828	3.1815
	(9.1721)	(7.2647)	(9.6773)	(10.3466)	(9.1405)	(12.0840)	(11.8593)	(9.8580)	(11.2268)
γ_1 (s.e.)	0.2061	-0.8038	-0.1137	-3.9787***	-0.1440	-1.9157	0.5696	0.2929	-0.3368
	(1.4926)	(1.1990)	(1.3857)	(1.4883)	(1.3503)	(1.9637)	(2.2593)	(1.9516)	(2.1423)
γ_2 (s.e.)	29.9451***	21.5287***	25.4581***	39.8404***	16.8225***	13.3860*	18.2038*	20.5569**	16.4330*
	(6.0100)	(4.8752)	(5.7808)	(6.0620)	(5.3735)	(7.9318)	(9.5202)	(8.2452)	(9.3177)
γ_3 (s.e.)	1.4428	3.2730**	2.7595*	7.1921***	1.5948	3.2579	0.6876	2.9915	4.4277*
	(1.7563)	(1.4256)	(1.6529)	(1.8108)	(1.5701)	(2.3435)	(2.7532)	(2.3598)	(2.6637)
Risk aversion									
γ_0 (s.e.)	5.1982	8.9710	17.3020*	14.5703	10.1582	12.4540	15.4097	-6.5675	-0.5296
	(8.9091)	(7.1178)	(9.5333)	(10.2349)	(8.9251)	(11.5835)	(11.2334)	(9.5395)	(10.6561)
γ_1 (s.e.)	0.1530	-0.6269	0.6423	-1.2729**	-0.4974	-1.6541*	-0.5537	-0.1193	-0.9331
	(0.7349)	(0.5933)	(0.7617)	(0.6284)	(0.6946)	(0.9679)	(1.0012)	(0.9713)	(1.0283)
γ_2 (s.e.)	32.9719***	26.2124***	35.8766***	54.0046***	16.2664***	12.0977**	16.1382**	26.1644***	22.9386***
	(4.9368)	(4.0349)	(5.1936)	(4.3817)	(4.6189)	(6.1607)	(6.8346)	(6.5183)	(7.1177)
γ_3 (s.e.)	0.2860	1.0915	-0.3921	1.6130**	1.1076	2.2935**	0.8479	0.7285	1.4422
	(0.8229)	(0.6750)	(0.8529)	(0.7290)	(0.7870)	(1.0895)	(1.1459)	(1.0997)	(1.1732)
Duration of chronic illness									
γ_0 (s.e.)	0.2175	3.2900	18.5619**	3.4425	6.4545	2.9030	10.6370	-10.6648	-8.3046
	(8.8022)	(7.0334)	(9.3768)	(10.5223)	(8.9886)	(11.5548)	(10.6173)	(9.2569)	(10.3017)
γ_1 (s.e.)	0.5478*	0.2328	0.0281	0.5922*	0.0504	0.2315	0.1893	0.2351	0.3030
	(0.3167)	(0.2471)	(0.3345)	(0.3118)	(0.3095)	(0.3534)	(0.3695)	(0.3547)	(0.3718)
γ_2 (s.e.)	40.3982***	34.3068***	34.1552***	70.1177***	21.3487***	25.4807***	22.9724***	32.0311***	34.0419***
	(4.8632)	(3.4644)	(5.0807)	(5.3860)	(4.8461)	(5.9152)	(5.1010)	(4.7723)	(5.0388)
γ_3 (s.e.)	-0.5122	-0.2310	-0.0180	-0.6948*	0.0322	-0.1768	-0.2259	-0.1937	-0.3400

	(0.3513)	(0.2762)	(0.3713)	(0.3562)	(0.3460)	(0.3935)	(0.4181)	(0.3987)	(0.4185)

Note: The table shows regression coefficients and their robust standard errors in parentheses for domains of SWB. Regressions include the full set of covariates (see Section 4.4 and the note to Fig. 1).

* 10%, ** 5% and *** 1% significance level.

[a] The regression for the interaction between labour market attachment and HRQoL is for the subgroup of individuals aged below 65 years.

Table A14. Difference in HRQoL for personal characteristics for chronically ill individuals.

	Chronic illness
Male	0.0445***
	(0.0115)
Age	0.0063*
	(0.0037)
Non-ethnic Danish	-0.1077***
	(0.0411)
Live alone	-0.0430***
	(0.0139)
Children	0.0057
	(0.0063)
Education	0.0083***
	(0.0020)
Not working, age < 65 years	-0.2003***
	(0.0229)
Wealth	0.0011***
	(0.0003)
BMI	-0.0048***
	(0.0014)
Ever smoker	-0.0308***
	(0.0117)
Alcohol consumption	0.0280***
	(0.0053)
Unhealthier diet	-0.0636***
	(0.0095)
Less exercise	-0.0445***
	(0.0060)
Extraversion	0.0202***

	(0.0044)
Agreeableness	0.0095*
	(0.0052)
Conscientiousness	0.0111*
	(0.0060)
Emotional stability	0.0379***
	(0.0046)
Openness to experiences	0.0236***
	(0.0052)
Planning horizon	-0.0021
	(0.0051)
Internal health locus of control	0.0101***
	(0.0009)
Health literacy	0.0658***
	(0.0105)
Risk aversion	0.0104***
	(0.0028)
Duration of chronic illness	-0.0008
	(0.0008)

Note: The table shows regression coefficients and their robust standard errors in parentheses. We regress each personal characteristic on HRQoL for the combined variable for having at least one chronic illness. Regressions does not include any covariates. For a detailed description of the definition of the variables, see Sections 3.1. and 3.2.

* 10%, ** 5% and *** 1% significance level

Authors

Maiken Skovrider Aaskoven
University of Southern Denmark
https://orcid.org/0000-0003-0340-7191
maaskoven@health.sdu.dk

Trine Kjær
University of Southern Denmark
https://orcid.org/0000-0002-9554-374X

Dorte Gyrd-Hansen
University of Southern Denmark
https://orcid.org/0000-0003-1137-2304

Conflict of interest
The authors declare no conflicts of interest.

Funding statement
This research was funded by The Research Council of Norway (grant number 273812) and by The Health Foundation (grant number 22-B-0100). All content is solely the responsibilities of the authors.

Data availability statement
Due to Danish Data Protection Legislation, only Danish research environments can be granted authorisation to Danish administrative registers.

Acknowledgements
We thank members of Odense Risk Group for support with the development and design of the survey, and DST Survey for assistance with the data collection. We thank our colleagues at DaCHE, research members of the TRACE group, and Mikael Svensson for constructive comments in the making of the paper.

Publishing Timeline

Received 8 July 2022
Revised version received 7 September 2023
Accepted 4 October 2023
Published 31 January 2024