

Data supplement

Variable	Total	Depressive disorders	<i>P</i> ^b	Anxiety disorders	<i>P</i> ^b	Alcohol disorders	<i>P</i> ^b
Gender, <i>n</i> (%)							
Male	3120 (50.0)	118 (34.9)	<0.001	94 (44.1)	0.09	194 (83.0)	<0.001
Female	3252 (50.1)	241 (65.1)		130 (55.9)		44 (17.0)	
Age group, years: <i>n</i> (%)							
30–44	2598 (39.2)	153 (41.2)	0.04	96 (41.9)	0.008	119 (49.4)	<0.001
45–54	1918 (30.8)	120 (34.2)		85 (38.7)		70 (29.9)	
55–64	1324 (21.6)	70 (20.2)		31 (14.2)		43 (18.2)	
65–70	532 (8.4)	16 (4.4)		12 (5.2)		6 (2.4)	
Education, <i>n</i> (%)							
Basic	1967 (33.9)	105 (29.9)	0.16	83 (37.7)	0.23	65 (27.4)	0.19
Secondary	2058 (35.1)	118 (33.2)		71 (31.8)		96 (40.5)	
Higher	1849 (31.0)	133 (36.9)		69 (30.5)		77 (32.1)	
Income, <i>n</i> (%)							
1st quintile	755 (13.3)	73 (20.2)	<0.001	51 (23.0)	<0.001	45 (18.7)	0.005
2nd quintile	1059 (18.6)	83 (23.1)		40 (17.6)		45 (18.9)	
3rd quintile	1217 (21.5)	70 (19.3)		44 (19.5)		43 (18.1)	
4th quintile	1318 (23.3)	68 (19.2)		41 (18.5)		45 (18.8)	
5th quintile	1325 (23.5)	65 (18.2)		48 (21.4)		60 (25.4)	
Marital status, <i>n</i> (%)							
Married or cohabiting	4296 (73.1)	209 (58.8)	<0.001	137 (61.2)	<0.001	149 (62.6)	<0.001
Other	1587 (26.9)	147 (41.2)		86 (38.8)		89 (37.4)	
Smoking, <i>n</i> (%)							
Smoker	1766 (31.5)	126 (35.8)	0.04	95 (43.0)	<0.001	135 (56.8)	<0.001
Ex-smoker	1193 (21.4)	63 (17.9)		40 (18.0)		46 (19.3)	
Non-smoker	2688 (47.2)	167 (46.3)		80 (39.1)		57 (23.9)	
Body mass index, <i>n</i> (%)							
<25	2298 (38.5)	147 (40.2)	0.07	88 (39.0)	0.09	87 (36.1)	0.27
25–30	2288 (39.7)	122 (34.4)		85 (38.4)		106 (44.9)	
>30	1262 (21.8)	90 (25.4)		51 (22.7)		45 (19.0)	
Self-reported somatic illnesses, <i>n</i> (%)							
Pulmonary disorders	671 (11.3)	47 (13.2)	0.29	46 (20.3)	<0.001	40 (17.0)	0.01
Cardiovascular disorders	1717 (29.4)	110 (31.4)	0.52	81 (36.2)	0.03	72 (30.6)	0.78
Musculoskeletal disorders	1547 (26.8)	113 (31.7)	0.06	73 (32.7)	0.07	56 (23.6)	0.17
Vision and hearing disorders	1211 (21.2)	75 (21.5)	0.97	53 (24.1)	0.31	46 (19.1)	0.31
Neurological disorders	473 (8.1)	49 (13.4)	<0.001	30 (12.9)	0.01	7 (2.9)	0.005
Diabetes	243 (4.2)	12 (3.5)	0.60	10 (4.5)	0.71	11 (4.5)	0.71
Cancer	196 (3.3)	14 (3.9)	0.50	8 (3.5)	0.86	3 (1.2)	0.06
Other ^a	1018 (17.8)	100 (28.1)	<0.001	72 (32.0)	<0.001	45 (18.8)	0.74
Age at death, years: mean	60.5	55.7	0.005	55.7	0.02	57.3	0.07

a. Psoriasis, inflammatory bowel disease, urinary incontinence, disturbing allergy.
b. Each of the three diagnostic groups has been compared separately to those without this disorder using the chi-squared test.

Table DS2 Risk of death by Beck Depression Inventory and General Health Questionnaire score in four regression models by age group^a

Variable	Model 1: unadjusted		Model 2: adjusted for sociodemographic factors		Model 3: adjusted for health status and smoking		Model 4: adjusted for socioeconomic factors, health status and smoking	
	Hazard ratio (95% CI)	P	Hazard ratio (95% CI)	P	Hazard ratio (95% CI)	P	Hazard ratio (95% CI)	P
Age 30–70								
Beck Depression Inventory								
0–9 points	1.00 (ref)		1.00 (ref)		1.00 (ref)		1.00 (ref)	
10–18 points	1.92 (1.39–2.65)	<0.001	1.76 (1.27–2.43)	0.001	1.68 (1.21–2.31)	0.002	1.53 (1.11–2.11)	0.009
19–63 points	2.60 (1.65–4.10)	<0.001	1.95 (1.23–3.09)	0.004	2.20 (1.36–3.58)	0.001	1.77 (1.09–2.86)	0.02
12-Item General Health Questionnaire								
0–3 points	1.00 (ref)		1.00 (ref)		1.00 (ref)		1.00 (ref)	
4–12 points	1.78 (1.26–2.52)	0.001	1.59 (1.12–2.25)	0.009	1.50 (1.03–2.18)	0.03	1.35 (0.93–1.95)	0.12
Age 70–80								
Beck Depression Inventory								
0–9 points	1.00 (ref)		1.00 (ref)		1.00 (ref)		1.00 (ref)	
10–18 points	1.46 (1.03–2.07)	0.03	1.33 (0.93–1.90)	0.12	1.36 (0.95–1.93)	0.09	1.24 (0.86–1.79)	0.24
19–63 points	1.75 (1.11–2.79)	0.02	1.62 (1.03–2.52)	0.04	1.61 (0.97–2.66)	0.06	1.54 (0.95–2.48)	0.08
12-Item General Health Questionnaire								
0–3 points	1.00 (ref)		1.00 (ref)		1.00 (ref)		1.00 (ref)	
4–12 points	1.55 (1.13–2.11)	0.006	1.55 (1.14–2.12)	0.005	1.44 (1.04–1.98)	0.03	1.44 (1.04–2.00)	0.03
All participants over 30 years								
Beck Depression Inventory								
0–9 points	1.00 (ref)		1.00 (ref)		1.00 (ref)		1.00 (ref)	
10–18 points	1.69 (1.37–2.09)	<0.001	1.64 (1.33–2.03)	<0.001	1.52 (1.24–1.87)	<0.001	1.47 (1.19–1.81)	<0.001
19–63 points	1.96 (1.50–2.56)	<0.001	1.87 (1.44–2.41)	<0.001	1.68 (1.26–2.23)	<0.001	1.61 (1.22–2.12)	0.001
12-Item General Health Questionnaire								
0–3 points	1.00 (ref)		1.00 (ref)		1.00 (ref)		1.00 (ref)	
4–12 points	1.51 (1.26–1.82)	<0.001	1.48 (1.23–1.77)	<0.001	1.36 (1.13–1.63)	0.001	1.31 (1.09–1.57)	0.004

ref. reference.

a. All models are controlled for age and gender; models 2–4 also for lifetime psychosis and models 3 and 4 also for history of cancer.

Table DS3 Mortality by age group and disorder group, Beck Depression Inventory and General Health Questionnaire

Psychiatric disorder	n	All deaths						P ^a
		30–70 years		30–50 years		50–70 years		
		Deceased, n (%)	P ^a	Deceased, n (%)	P ^a	Deceased, n (%)	P ^a	
Total	6372	323 (4.9)	–	82 (2.3)		241 (8.1)		
Any depressive disorder	359	22 (6.3)	0.02	12 (5.4)	<0.001	10 (7.8)	0.57	
Any anxiety disorder	224	16 (7.3)	0.02	9 (6.3)	<0.001	7 (9.2)	0.33	
Any alcohol use disorder	238	21 (8.8)	<0.001	9 (5.7)	<0.001	12 (15.0)	0.001	
Beck Depression Inventory								
0–9 points	404	129 (3.3)	<0.001	40 (1.7)	<0.001	89 (5.4)	<0.001	
10–18 points	951	63 (6.8)		10 (2.6)		53 (9.8)		
19–63 points	352	29 (8.4)		11 (6.3)		18 (10.5)		
12-Item General Health Questionnaire								
0–3 points	4456	176 (4.0)	0.008	47 (2.0)	0.04	129 (6.6)	0.05	
4–12 points	945	58 (6.2)		19 (3.7)		39 (9.2)		

a. The P-value refers to a comparison between those with the disorder and those without, in the specified age group using the chi-squared test.