

Supplementary Table 1: Summary of the data sources used

Data source name	Data source type	Description of the data source	Description of the data used in this research article
Danish Civil Registration System	Danish national register	Continuously updated information on all individuals residing in Denmark from 1968 onwards. Each individual is assigned a unique personal identification number, which links their data across all Danish registers.	All individuals eligible for participation were identified (i.e. 16 years of age or older on 10 th January 2017 and were registered as living within the Central Denmark Region on that date).
Danish Psychiatric Central Research Register	Danish national register	Psychiatric diagnoses made in psychiatric inpatient contacts since 1969, and also in outpatient or emergency contacts since 1995, with a range of health care providers. Prior to 1994, diagnoses were coded according to International Classification of Diseases, version 8 (ICD-8); from 1994 onwards, ICD-10 was used.	Mental disorder diagnoses made between 1969 and January 2017 in all individuals eligible for participation (as identified in the Danish Civil Registration System).
Danish National Patient Register	Danish national register	Diagnoses made during inpatient contacts (since 1977), outpatient or emergency contacts (since 1995). Prior to 1994, diagnoses were coded according to ICD-8; from 1994 onwards, ICD-10 was used.	Relevant diagnoses were used (in conjunction with prescription data) to ascertain general medical conditions in individuals eligible for participation.
Danish National Prescription Register	Danish national register	Information on all redeemed prescriptions since 1995.	Prescription data were used (in conjunction with diagnosis data from the Danish National Patient Register) to ascertain general medical conditions in individuals eligible for participation.
Statistics Denmark's registers on education	Danish national register	Annual data since 1981 on the highest level of education attained.	Educational level in 2016, grouped into the following categories: primary/early childhood, secondary, above secondary, missing.
2017 Central Denmark Region <i>How are you?</i> survey	Regional population based survey	Questionnaire-based survey on health, based on stratified random selection of 32,417 participants who were 16 years of age or older on 10 th January 2017 and were registered as living within the Central Denmark Region on that date, identified from the Danish Civil Registration System.	Survey participants were compared to the eligible population (identified from the Danish Civil Registration System).



Supplementary Table 2: Mental disorders and their definitions

Mental disorders <i>Examples of diagnoses included in each group</i>	ICD-10	ICD-8 equivalency	Earliest age of diagnosis (years)
Organic, including symptomatic, mental disorders <i>Includes dementia in Alzheimer's disease, vascular dementia, etc.</i>	F00–F09	290.09, 290.10, 290.11, 290.18, 290.19, 292.x9, 293.x9, 294.x9, 309.x9	35
Mental and behavioral disorders due to psychoactive substance use <i>Includes use of alcohol, cannabis, cocaine, nicotine, opioids, sedatives, hypnotics, anxiolytics, etc.</i>	F10–F19	291.x9, 294.39, 303.x9, 303.20, 303.28, 303.90, 304.x9	10
Schizophrenia and related disorders <i>Includes schizophrenia, schizotypal disorders, schizoaffective disorders and other psychotic disorders.</i>	F20–F29	295.x9, 296.89, 297.x9, 298.29–298.99, 299.04, 299.05, 299.09, 301.83	10
Mood disorders <i>Includes bipolar disorder, depressive disorders, etc.</i>	F30–F39	296.x9 (excluding 296.89), 298.09, 298.19, 300.49, 301.19	10
Neurotic, stress-related, and somatoform disorders <i>Includes anxiety disorders, phobias, obsessive compulsive disorders, etc.</i>	F40–F48	300.x9 (excluding 300.49), 305.x9, 305.68, 307.99	5
Eating disorders <i>Includes anorexia nervosa, bulimia nervosa, etc.</i>	F50	306.50, 306.58, 306.59	1
Specific personality disorders	F60	301.x9 (excluding 301.19), 301.80, 301.81, 301.82, 301.84	10
Intellectual Disabilities	F70–F79	311.xx, 312.xx, 313.xx, 314.xx, 315.xx	1
Pervasive developmental disorders <i>Includes autism spectrum disorders</i>	F84	299.00, 299.01, 299.02, 299.03	1
Behavioral and emotional disorders with onset usually occurring in childhood and adolescence <i>Includes attention-deficit hyperactivity disorder, conduct disorders, childhood emotional disorders, etc.</i>	F90–F98	306.x9, 308.0x	1



Supplementary Table 3: Definitions of the general medical conditions included in each category

Category	Coding definition	Diagnosis codes (ICD-10)	Medication	
			Drug codes (ATC)	Time frame for prescriptions
Circulatory system				
Hypertension	Diagnosis AND/OR prescriptions of antihypertensives ^a	I10–I13, I15	C02, C03, C04, C07, C08, C09	Twice in 1 year
Dyslipidemia	Diagnosis AND/OR prescription of lipid-lowering drugs ^b	E78	C10	Twice in 1 year
Ischemic heart disease	Diagnosis AND/OR prescription for antianginal drug	I20–I25	C01DA	Twice in 1 year
Atrial fibrillation	Diagnosis	I48		
Heart failure	Diagnosis	I50		
Peripheral artery occlusive disease	Diagnosis	I70–I74		
Stroke	Diagnosis	I60–I64, I69		
Endocrine system				
Diabetes mellitus	Diagnosis AND/OR prescription of antidiabetics	E10–E14	A10A, A10B	Twice in 1 year
Thyroid disorder	Diagnosis AND/OR prescription of thyroid therapy drugs	E00–E05, E061–E069, E07	H03	Twice in 1 year
Gout	Diagnosis	E79, M10		
Pulmonary system and allergy				
Chronic pulmonary disease	Diagnosis AND/OR prescription for obstructive airway disease drugs	J40–J47	R03	Twice in 1 year
Allergy	Diagnosis AND/OR prescription for non-sedative antihistamines AND/OR nasal antiallergics	J30.1–J30.4, L23, L50.0, T78.0, T78.2, T78.4	R06AX, R06AE07, R06AE09, R01AC, R01AD	Twice in 1 year
Gastrointestinal system				
Ulcer/chronic gastritis	Diagnosis	K221, K25–K28, K293–K295		
Chronic liver disease	Diagnosis	B16–B19, K70, K74, K766, I85		
Inflammatory bowel disease	Diagnosis	K50–K51		
Diverticular disease of intestine	Diagnosis	K57		
Urogenital system				
Chronic kidney disease	Diagnosis	N03, N11, N18–N19		
Prostate disorders	Diagnosis AND/OR prescription of prostate hyperplasia therapy drugs	N40	C02CA, G04C	Twice in 1 year
Musculoskeletal System				
Connective tissue disorders	Diagnosis	M05–M06, M08–M09, M30–M36, D86		
Osteoporosis	Diagnosis AND/OR prescription for osteoporosis drugs	M80–M82	M05B, G03XC01, H05AA	Twice in 1 year
Painful conditions	Repeated prescriptions of analgesics		N02A, N02BA51, N02BE, M01A, M02A	4x in 1 year
Hematological system				
HIV/AIDS	Diagnosis	B20–B24		
Anemias	Diagnosis	D50–D53, D55–D59, D60–D61, D63–D64		
Cancers	Diagnosis	C00–C43, C45–C97		
Neurological system				
Vision problems	Diagnosis	H40, H25, H54		
Hearing problems	Diagnosis	H90–H91, H931		
Migraine	Diagnosis AND/OR prescription of specific anti-migraine drugs	G43	N02C	Twice in 1 year
Epilepsy	Diagnosis AND prescription of anti-epileptics	G40–G41	N03	Twice in 1 year
Parkinson's disease	Diagnosis	G20–G22		
Multiple sclerosis	Diagnosis	G35		
Neuropathies	Diagnosis	G50–G64		

^aAscertained only in absence of ischemic heart disease/heart failure, and by diuretics only if no kidney disease.^bPrescriptions used if no previous ischemic heart disease.

Supplementary Table 4: Frequency of mental disorder diagnoses in the eligible population in the Central Denmark Region and the How are you? survey participants (unweighted and weighted)

Mental disorders	Entire eligible population (n = 1,063,082)			Survey participants (n = 32,417)				
	Frequency	% (95% CI)	Frequency	Unweighted		P value from Chi squared test ^a	Weighted	
				Frequency	% (95% CI)		Frequency	% (95% CI)
Any mental disorder	110,492	10.39 (10.34–10.45)	2,648	8.17 (7.88–8.47)	<0.001		3,064	9.45 (9.06–9.85)
Organic disorders	6,096	0.57 (0.56–0.59)	78	0.24 (0.19–0.30)	<0.001		97	0.30 (0.23–0.39)
Substance use disorders	19,862	1.87 (1.84–1.89)	365	1.13 (1.02–1.25)	<0.001		4445	1.37 (1.22–1.55)
Schizophrenia	13,584	1.28 (1.26–1.30)	257	0.79 (0.70–0.90)	<0.001		34350	1.08 (0.94–1.24)
Mood disorders	47,131	4.43 (4.39–4.47)	1,179	3.64 (3.33–3.85)	<0.001		1,332	4.11 (3.85–4.38)
Neurotic disorders	53,778	5.06 (5.02–5.10)	1,299	4.01 (3.80–4.23)	<0.001		1,517	4.68 (4.40–4.98)
Eating disorders	4,937	0.46 (0.45–0.48)	132	0.41 (0.34–0.48)	0.160		171	0.53 (0.44–0.64)
Personality disorders	19,970	1.88 (1.85–1.90)	489	1.51 (1.38–1.65)	<0.001		571	1.76 (1.59–1.95)
Intellectual disabilities	4,226	0.40 (0.39–0.41)	71	0.22 (0.17–0.28)	<0.001		99	0.30 (0.23–0.40)
Developmental disorders	5,616	0.53 (0.51–0.54)	129	0.40 (0.33–0.47)	0.001		174	0.54 (0.44–0.65)
Behavioral disorders	19,158	1.80 (1.78–1.83)	411	1.27 (1.15–1.40)	<0.001		564	1.74 (1.56–1.94)

^aComparing the frequencies *observed* in the unweighted and weighted survey participants, with the frequencies *expected* if the proportions had been the same as in the entire eligible population.

Supplementary Table 5: Frequency of any mental disorder diagnosis in specific sex- and age-groups within of the eligible population in the Central Denmark Region and the How are you? survey participants (unweighted and weighted)

Sex	Age group (years)	Entire eligible population (n = 1,063,082)				Survey participants (n = 32,417)					
		Number in group	Frequency of any mental disorder diagnosis		Number in group	Unweighted		P value from Chi-squared test ^a	Weighted		P value from Chi-squared test ^a
			Frequency	% (95% CI)		Frequency	% (95% CI)		Frequency	% (95% CI)	
Females	16–24	79,352	9,424	11.88 (11.65–12.10)	2,055	273	13.28 (11.88–14.82)	0.611	320	13.25 (11.66–15.03)	0.125
	25–34	76,389	11,200	14.66 (14.41–14.91)	1,909	272	14.25 (12.75–15.89)	0.002	368	15.78 (13.99–17.76)	0.590
	35–44	80,811	10,702	13.24 (13.01–13.48)	2,552	286	11.21 (10.04–12.49)	0.021	317	12.87 (11.37–14.54)	0.400
	45–54	88,958	9,889	11.12 (10.91–11.32)	3,251	320	9.84 (8.87–10.92)	0.001	315	11.63 (10.32–13.08)	0.913
	55–64	79,675	7,833	9.83 (9.63–10.04)	3,090	250	8.09 (7.18–9.11)	<0.001	237	9.76 (8.51–11.18)	0.010
	65–74	71,964	5,856	8.14 (7.94–8.34)	2,840	165	5.81 (5.01–6.73)	<0.001	150	6.66 (5.61–7.89)	<0.001
	75+	56,258	5,978	10.63 (10.37–10.88)	1,615	104	6.44 (5.34–7.75)	0.837	108	6.50 (5.22–8.07)	0.393
Males	16–24	83,384	9,255	11.10 (10.90–11.31)	1,736	190	10.94 (9.56–12.5)	0.004	269	10.57 (9.06–12.29)	0.002
	25–34	81,812	9,563	11.69 (11.47–11.91)	1,515	141	9.31 (7.94–10.88)	<0.001	241	9.66 (8.11–11.45)	<0.001
	35–44	82,297	8,257	10.03 (9.83–10.24)	2,068	141	6.82 (5.81–7.99)	<0.001	191	7.58 (6.31–9.09)	<0.001
	45–54	90,935	8,515	9.36 (9.18–9.55)	2,664	155	5.82 (4.99–6.77)	<0.001	19	6.99 (5.86–8.31)	0.197
	55–64	79,451	6,752	8.50 (8.31–8.69)	2,751	163	5.93 (5.10–6.87)	<0.001	188	7.77 (6.55–9.19)	0.023
	65–74	70,063	4,577	6.53 (6.35–6.72)	2,863	131	4.58 (3.87–5.40)	<0.001	115	5.32 (4.38–6.46)	0.001
	75+	41,733	2,691	6.45 (6.22–6.69)	1,508	57	3.78 (2.93–4.87)	0.611	52	4.11 (3.08–5.47)	0.125

^aComparing the frequencies *observed* in the unweighted and weighted survey participants, with the frequencies *expected* if the proportions had been the same as in the entire eligible population.

Supplementary Table 6: Frequency of diagnoses of types of mental disorders in specific sex- and age-groups within the eligible population in the Central Denmark Region and the How are you? survey participants (unweighted and weighted)

Mental disorder	Sex	Age group (years)	Entire eligible population (n = 1,063,082)			Survey participants (n = 32,417)							
			Number in group	Frequency of any mental disorder diagnosis	% (95% CI)	Number in group	Frequency of any mental disorder diagnosis	Unweighted		P value from Chi-squared test ^a	Weighted		P value from Chi-squared test ^a
								% (95% CI)			% (95% CI)		
Organic disorders	Females	16–34	155,741	NS	NS	3964	NS	NS	NS	NS	NS	NS	
		35–54	169,769	245	0.14 (0.13–0.16)	5803	5	0.09 (0.04–0.21)	0.273	10	0.19 (0.08–0.48)	0.300	
		55+	207,897	3294	1.58 (1.53–1.64)	7545	36	0.48 (0.34–0.66)	<0.001	44	0.69 (0.46–1.02)	<0.001	
	Males	16–34	165,196	NS	NS	3251	NS	NS	NS	NS	NS	NS	
		35–54	173,232	384	0.22 (0.20–0.24)	4732	a7	0.15 (0.07–0.31)	0.290	9	0.17 (0.08–0.39)	0.453	
		55+	191,247	2173	1.14 (1.09–1.18)	7122	30	0.42 (0.29–0.60)	<0.001	34	0.59 (0.40–0.87)	<0.001	
Substance use disorders	Females	16–34	155,741	1552	1 (0.95–1.047)	3964	25	0.63 (0.42–0.93)	0.019	38	0.81 (0.53–1.23)	0.184	
		35–54	169,769	2115	1.25 (1.19–1.3)	5803	47	0.81 (0.61–1.08)	0.003	52	1.01 (0.73–1.39)	0.118	
		55+	207,897	3231	1.55 (1.5–1.61)	7545	82	1.09 (0.88–1.35)	0.001	77	1.22 (0.94–1.57)	0.031	
	Males	16–34	165,196	3568	2.16 (2.09–2.23)	3251	41	1.26 (0.93–1.71)	<0.001	72	1.42 (1.02–1.98)	<0.001	
		35–54	173,232	5011	2.89 (2.81–2.97)	4732	70	1.48 (1.17–1.87)	<0.001	100	1.89 (1.45–2.47)	<0.001	
		55+	191,247	4385	2.29 (2.23–2.36)	7122	100	1.40 (1.16–1.71)	<0.001	105	1.81 (1.44–2.27)	0.014	
Schizophrenia	Females	16–34	155,741	1662	1.07 (1.01–1.12)	3964	41	1.03 (0.76–1.40)	0.827	63	1.33 (0.95–1.86)	0.081	
		35–54	169,769	2119	1.25 (1.2–1.3)	5803	54	0.93 (0.71–1.21)	0.029	62	1.20 (0.88–1.62)	0.733	
		55+	207,897	2793	1.34 (1.29–1.39)	7545	56	0.74 (0.57–0.96)	<0.001	58	0.91 (0.67–1.23)	0.003	
	Males	16–34	165,196	1996	1.21 (1.12–1.26)	3251	25	0.77 (0.52–1.14)	0.021	51	1.00 (0.66–1.52)	0.177	
		35–54	173,232	2890	1.67 (1.61–1.73)	4732	41	0.87 (0.64–1.17)	<0.001	69	1.31 (0.92–1.86)	0.041	
		55+	191,247	2124	1.11 (1.06–1.16)	7122	40	0.56 (0.41–0.76)	<0.001	47	0.81 (0.57–1.15)	0.029	
Mood disorders	Females	16–34	155,741	8168	5.24 (5.13–5.36)	3964	221	5.58 (4.90–6.33)	0.344	279	5.88 (5.09–6.78)	0.049	
		35–54	169,769	11076	6.52 (6.41–6.64)	5803	312	5.38 (4.82–5.99)	<0.001	333	6.43 (5.68–7.28)	0.802	
		55+	207,897	10206	4.91 (4.82–5.00)	7545	279	3.70 (3.29–4.15)	<0.001	267	4.20 (3.68–4.80)	0.009	
	Males	16–34	165,196	4354	2.64 (2.56–2.71)	3251	83	2.55 (2.06–3.16)	0.757	139	2.76 (2.19–3.49)	0.587	
		35–54	173,232	7134	4.12 (4.03–4.21)	4732	121	2.56 (2.14–3.05)	<0.001	154	2.91 (2.38–3.55)	<0.001	
		55+	191,247	6193	3.24 (3.16–3.32)	7122	163	2.29 (1.97–2.67)	<0.001	161	2.76 (2.31–3.29)	0.038	
Neurotic disorders	Females	16–34	155,741	11890	7.63 (7.50–7.77)	3964	308	7.77 (6.98–8.65)	0.740	397	8.36 (7.40–9.43)	0.058	
		35–54	169,769	12383	7.29 (7.17–7.42)	5803	354	6.10 (5.51–6.75)	<0.001	372	7.20 (6.41–8.09)	0.808	
		55+	207,897	8086	3.89 (3.81–3.97)	7545	228	3.02 (2.66–3.43)	<0.001	222	3.50 (3.01–4.07)	0.110	
	Males	16–34	165,196	7296	4.42 (4.32–4.52)	3251	127	3.91 (3.29–4.63)	0.154	193	3.84 (3.16–4.66)	0.044	
		35–54	173,232	8931	5.16 (5.05–5.26)	4732	154	3.25 (2.79–3.78)	<0.001	203	3.84 (3.21–4.59)	<0.001	
		55+	191,247	4385	2.71 (2.64–2.79)	7122	128	1.80 (1.51–2.13)	<0.001	129	2.21 (1.81–2.69)	0.018	
Eating disorders	Females	16–34	155,741	NS	NS	3964	NS	NS	NS	NS	NS	NS	
		35–54	169,769	NS	NS	5803	NS	NS	NS	NS	NS	NS	
		55+	207,897	NS	NS	7545	NS	NS	NS	NS	NS	NS	
	Males	16–34	165,196	NS	NS	3251	NS	NS	NS	NS	NS	NS	
		35–54	173,232	NS	NS	4732	NS	NS	NS	NS	NS	NS	
		55+	191,247	NS	NS	7122	NS	NS	NS	NS	NS	NS	
Personality disorders	Females	16–34	155,741	3269	2.1 (2.03–2.17)	3964	84	2.12 (1.71–2.62)	0.933	121	2.55 (2.02–3.21)	0.031	
		35–54	169,769	4691	2.76 (2.69–2.84)	5803	136	2.34 (1.98–2.77)	0.053	148	2.86 (2.36–3.45)	0.674	
		55+	207,897	4743	2.28 (2.22–2.35)	7545	125	1.66 (1.39–1.97)	<0.001	128	2.02 (1.65–2.45)	0.158	
	Males	16–34	165,196	1215	0.74 (0.70–0.78)	3251	19	0.58 (0.37–0.91)	0.301	33	0.65 (0.40–1.05)	0.444	
		35–54	173,232	3045	1.76 (1.70–1.82)	4732	51	1.08 (0.82–1.42)	<0.001	66	1.24 (0.91–1.70)	0.004	
		55+	191,247	3007	1.57 (1.52–1.63)	7122	74	1.04 (0.83–1.30)	<0.001	76	1.30 (1.00–1.70)	0.100	
Intellectual disabilities	Females	16–34	155,741	987	0.63 (0.60–0.67)	3964	23	0.58 (0.39–0.87)	0.692	34	0.71 (0.45–1.13)	0.468	
		35–54	169,769	499	0.29 (0.27–0.32)	5803	13	0.22 (0.13–0.39)	0.350	16	0.32 (0.17–0.58)	0.727	
		55+	207,897	321	0.15 (0.14–0.17)	7545	6	0.08 (0.04–0.18)	0.114	7	0.12 (0.05–0.29)	0.474	
	Males	16–34	165,196	NS	NS	3251	NS	NS	NS	NS	NS	NS	
		35–54	173,232	NS	NS	4732	NS	NS	NS	NS	NS	NS	
		55+	191,247	NS	NS	7122	NS	NS	NS	NS	NS	NS	
Developmental disorders	Females	16–34	155,741	NS	NS	3964	NS	NS	NS	NS	NS	NS	
		35–54	169,769	NS	NS	5803	NS	NS	NS	NS	NS	NS	
		55+	207,897	NS	NS	7545	NS	NS	NS	NS	NS	NS	
	Males	16–34	165,196	NS	NS	3251	NS	NS	NS	NS	NS	NS	
		35–54	173,232	NS	NS	4732	NS	NS	NS	NS	NS	NS	
		55+	191,247	NS	NS	7122	NS	NS	NS	NS	NS	NS	

Continued.

Supplementary Table 6: Continued

			Entire eligible population (n = 1,063,082)			Survey participants (n = 32,417)						
						Unweighted			Weighted			
Mental disorder	Sex	Age group (years)	Number in group	Frequency of any mental disorder diagnosis	% (95% CI)	Number in group	Frequency of any mental disorder diagnosis	% (95% CI)	P value from Chi-squared test ^a	Frequency of any mental disorder diagnosis	% (95% CI)	P value from Chi-squared test ^a
Behavioral disorders	Females	16–34	155,741	5381	3.46 (3.37–3.55)	3964	134	3.38 (2.86–3.99)	0.784	182	3.83 (3.18–4.60)	0.166
		35–54	169,769	1769	1.04 (0.99–1.09)	5803	49	0.84 (0.64–1.11)	0.142	52	1.00 (0.73–1.38)	0.798
		55+	207,897	247	0.12 (0.10–0.13)	7545	14	0.19 (0.11–0.31)	0.100	17	0.27 (0.15–0.49)	<0.001
	Males	16–34	165,196	9021	5.46 (5.35–5.57)	3251	158	4.86 (4.17–5.65)	0.132	244	4.84 (4.09–5.73)	0.053
		35–54	173,232	2462	1.42 (1.37–1.48)	4732	47	0.99 (0.75–1.32)	0.013	58	1.11 (0.80–1.53)	0.054
		55+	191,247	278	0.15 (0.13–0.16)	7122	9	0.13 (0.07–0.24)	0.606	10	0.17 (0.08–0.38)	0.648

^aComparing the frequencies *observed* in the unweighted and weighted survey participants, with the frequencies *expected* if the proportions had been the same as in the entire eligible population.

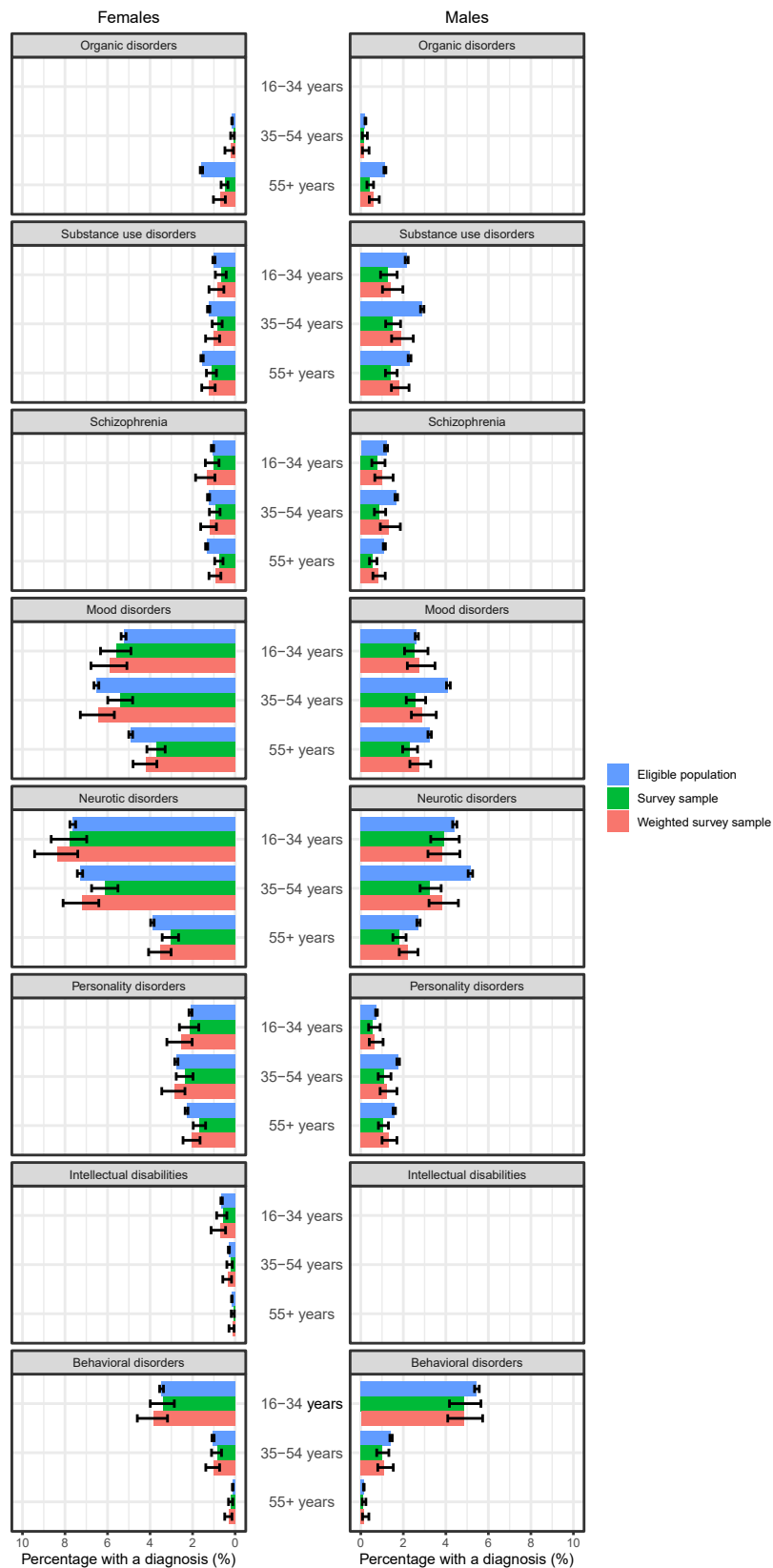
NS: not shown – None of the frequencies, proportions and chi-squared tests for mental disorder types for a sex are shown if any of the age-groups comprised fewer than 5 cases.

Supplementary Table 7: Odds ratios and 95% confidence intervals for associations between any mental disorder and nine general medical conditions, among all those eligible for the 2017 Central Denmark Region and the How are you? survey participants (unweighted and weighted). Adjusted models were adjusted for sex, age group, and education

General medical condition	Crude estimates			Adjusted estimates		
	Eligible population	Survey participants		Eligible population	Survey participants	
		Unweighted	Weighted		Unweighted	Weighted
Circulatory system	1.15 (1.13–1.16)	1.02 (0.94–1.11)	1.07 (0.97–1.18)	1.87 (1.84–1.91)	1.97 (1.77–2.19)	2.07 (1.82–2.37)
Endocrine system	1.36 (1.33–1.38)	1.50 (1.35–1.67)	1.51 (1.33–1.71)	1.57 (1.54–1.60)	1.90 (1.69–2.13)	1.93 (1.68–2.21)
Pulmonary system	1.49 (1.47–1.51)	1.69 (1.56–1.83)	1.69 (1.54–1.86)	1.49 (1.48–1.51)	1.67 (1.54–1.81)	1.69 (1.53–1.85)
Gastrointestinal system	1.60 (1.56–1.64)	1.39 (1.20–1.60)	1.42 (1.20–1.69)	1.89 (1.85–1.94)	1.86 (1.60–2.17)	1.93 (1.62–2.31)
Urogenital system	1.02 (0.98–1.06)	0.77 (0.60–1.00)	0.84 (0.63–1.12)	1.46 (1.40–1.52)	1.41 (1.07–1.85)	1.52 (1.12–2.07)
Musculoskeletal system	1.21 (1.18–1.24)	1.17 (1.01–1.36)	1.16 (0.97–1.38)	1.37 (1.33–1.40)	1.46 (1.24–1.71)	1.48 (1.22–1.79)
Hematological system	1.89 (1.83–1.96)	1.61 (1.28–2.01)	1.69 (1.30–2.21)	2.14 (2.07–2.21)	2.03 (1.61–2.56)	2.14 (1.63–2.81)
Cancers	0.83 (0.80–0.85)	0.74 (0.62–0.88)	0.74 (0.60–0.91)	0.95 (0.93–0.98)	0.98 (0.82–1.19)	1.00 (0.80–1.25)
Neurological system	1.41 (1.39–1.43)	1.34 (1.23–1.47)	1.32 (1.19–1.47)	1.73 (1.71–1.76)	1.85 (1.67–2.04)	1.79 (1.59–2.01)



Supplementary Figure 1: Frequency of diagnoses of types of mental disorders in specific sex- and age-groups within the eligible population in the Central Denmark Region and the How are you? sample (unweighted and weighted)



NB. None of the proportions for mental disorder types for a sex are shown if any of the age-groups comprised fewer than 5 cases.