

Table DS1 Lifetime mental disorders of adults without and with ADHD (lifetime, persistent, remitted) in the National Epidemiologic Survey on Alcohol and Related Conditions*

					Pairwise comparisons			
	Lifetime ADHD (n=616, 1.93%) % (S.E.)	Persistent ADHD (n=340, 1.02%) % (S.E.)	Remitted ADHD (n=276, 0.91%) % (S.E.)	Non ADHD (n=34037, 98.07%) % (S.E.)	Lifetime ADHD vs. Non ADHD OR (95% CI)	Persistent ADHD vs. Non ADHD OR (95% CI)	Remitted ADHD vs. Non ADHD OR (95% CI)	Persistent ADHD vs. Remitted ADHD OR (95% CI)
Any psychiatric diagnosis	95.20 (1.04)	94.17 (1.65)	96.35 (1.25)	64.71 (0.66)	10.82 (6.84-17.11)	8.81 (4.83-16.09)	14.40 (7.07-29.34)	0.61 (0.24-1.56)
Any Axis I disorder	92.74 (1.22)	90.84 (1.94)	94.86 (1.45)	62.01 (0.71)	7.82 (5.47-11.18)	6.07 (3.82-9.66)	11.31 (6.28-20.38)	0.54 (0.25-1.15)
Any substance disorders	70.19 (2.42)	68.76 (2.99)	71.78 (3.67)	44.64 (0.79)	2.92 (2.33-3.65)	2.73 (2.09-3.56)	3.15 (2.20-4.53)	0.87 (0.56-1.34)
Nicotine Dependence	43.48 (2.45)	43.22 (3.39)	43.76 (3.56)	22.72 (0.52)	2.62 (2.16-3.17)	2.59 (1.97-3.39)	2.65 (1.99-3.52)	0.98 (0.66-1.46)
Any alcohol use disorder	56.28 (2.60)	56.07 (3.37)	56.51 (3.98)	34.12 (0.75)	2.49 (2.01-3.07)	2.46 (1.90-3.20)	2.51 (1.80-3.50)	0.98 (0.64-1.50)
Alcohol abuse	19.75 (2.11)	18.33 (3.07)	21.34 (2.92)	19.29 (0.52)	1.03 (0.79-1.35)	0.94 (0.62-1.41)	1.14 (0.80-1.62)	0.83 (0.48-1.42)
Alcohol dependence	36.52 (2.26)	37.74 (3.14)	35.17 (3.29)	14.83 (0.38)	3.30 (2.72-4.01)	3.48 (2.68-4.52)	3.12 (2.32-4.18)	1.12 (0.75-1.66)
Any drug use disorder	35.54 (2.28)	36.41 (2.81)	34.57 (3.52)	11.54 (0.34)	4.23 (3.46-5.16)	4.39 (3.44-5.60)	4.05 (2.97-5.53)	1.08 (0.74-1.59)
Drug abuse	28.71 (2.15)	28.89 (2.76)	28.51 (3.29)	9.79 (0.30)	3.71 (3.00-4.59)	3.74 (2.86-4.90)	3.67 (2.66-5.08)	1.02 (0.67-1.54)

Drug dependence	14.59 (1.61)	14.94 (2.10)	14.20 (2.59)	3.15 (0.16)	5.25 (4.00-6.89)	5.40 (3.79-7.69)	5.09 (3.34-7.76)	1.06 (0.61-1.84)
Any Mood Disorder	61.95 (2.35)	59.26 (3.08)	64.94 (3.31)	23.32 (0.38)	5.35 (4.37-6.55)	4.78 (3.70-6.19)	6.09 (4.55-8.15)	0.79 (0.54-1.14)
Major depressive disorder	27.76 (2.23)	25.24 (3.01)	30.59 (3.41)	16.20 (0.31)	1.99 (1.58-2.51)	1.75 (1.26-2.42)	2.28 (1.64-3.17)	0.77 (0.48-1.21)
Dysthymia	6.28 (1.08)	4.46 (1.08)	8.30 (2.04)	3.38 (0.11)	1.92 (1.32-2.78)	1.34 (0.80-2.24)	2.59 (1.51-4.44)	0.52 (0.24-1.11)
Bipolar disorder	33.63 (2.53)	33.90 (3.13)	33.33 (3.61)	6.39 (0.19)	7.42 (5.91-9.32)	7.51 (5.72-9.87)	7.32 (5.26-10.20)	1.03 (0.69-1.53)
Any anxiety disorder	60.44 (2.48)	63.27 (3.37)	57.27 (3.60)	27.44 (0.49)	4.04 (3.27-4.99)	4.56 (3.42-6.07)	3.58 (2.53-5.09)	1.29 (0.85-1.94)
Panic disorder	23.90 (1.99)	26.11 (2.81)	21.43 (2.87)	7.07 (0.20)	4.13 (3.28-5.19)	4.64 (3.45-6.25)	4.07 (2.76-6.02)	1.30 (0.83-2.03)
Social anxiety disorder	24.80 (2.27)	26.81 (2.75)	22.56 (3.38)	6.68 (0.21)	4.61 (3.61-5.90)	5.12 (3.87-6.77)	3.71 (2.64-5.23)	1.26 (0.80-1.97)
Specific phobia	35.23 (2.36)	38.22 (3.30)	31.87 (3.41)	14.74 (0.37)	3.14 (2.54-3.89)	3.58 (2.70-4.74)	2.71 (1.96-3.73)	1.32 (0.87-2.01)
Posttraumatic stress disorder	21.33 (1.85)	21.45 (2.64)	21.19 (2.66)	6.13 (0.17)	4.15 (3.31-5.21)	4.19 (3.05-5.75)	4.12 (2.98-5.69)	1.02 (0.65-1.60)
Generalized anxiety disorder	26.48 (2.31)	28.15 (2.88)	24.61 (3.24)	7.29 (0.22)	4.58 (3.60-5.84)	4.98 (3.75-6.62)	4.15 (2.91-5.93)	1.20 (0.79-1.81)
Psychotic disorder	8.75 (1.25)	9.83 (1.79)	7.53 (1.73)	3.00 (0.17)	3.10 (2.22-4.31)	3.52 (2.30-5.39)	2.63 (1.61-4.31)	1.34 (0.71-2.53)
Any personality disorder	61.72 (2.35)	62.37 (3.25)	60.99 (3.74)	20.73 (0.38)	6.17 (5.06-7.51)	6.34 (4.79-8.40)	5.98 (4.39-8.13)	1.06 (0.69-1.64)
Avoidant	10.90 (1.33)	12.29 (1.79)	9.35 (1.98)	2.16 (0.11)	5.55 (4.19-7.36)	6.36 (4.51-8.96)	4.68 (2.93-7.47)	1.36 (0.77-2.40)

Dependent	3.03 (0.75)	4.05 (1.14)	1.90 (0.94)	0.37 (0.05)	8.32 (4.71-14.69)	11.22 (6.91-21.29)	5.15 (1.84-14.39)	2.18 (0.69-6.90)
Obsessive-compulsive	20.01 (2.06)	23.74 (3.09)	15.84 (2.53)	7.84 (0.22)	2.94 (2.28-3.79)	3.66 (2.61-5.13)	2.21 (1.52-3.23)	1.65 (0.99-2.75)
Paranoid	14.97 (1.74)	16.77 (2.29)	12.95 (2.41)	4.12 (0.16)	4.09 (3.11-5.38)	4.69 (3.38-6.49)	3.46 (2.25-5.32)	1.35 (0.81-2.26)
Schizoid	8.73 (1.29)	8.84 (1.75)	8.61 (1.99)	2.95 (0.13)	3.14 (2.26-4.37)	3.19 (2.06-4.92)	3.10 (1.86-5.16)	1.03 (0.52-2.02)
Schizotypal	23.11 (2.07)	21.55 (2.36)	24.85 (3.44)	3.56 (0.14)	8.15 (6.50-10.23)	7.45 (5.63-9.86)	8.97 (6.26-12.84)	0.83 (0.53-1.31)
Narcissistic	23.16 (1.98)	21.51 (2.46)	25.00 (3.27)	5.85 (0.20)	4.85 (3.87-6.09)	4.41 (3.28-5.93)	5.37 (3.78-7.61)	0.82 (0.52-1.30)
Borderline	31.39 (2.19)	34.48 (2.99)	27.93 (3.13)	5.38 (0.18)	8.04 (6.50-9.94)	9.25 (7.05-12.13)	6.81 (4.96-9.34)	1.36 (0.91-2.03)
Histrionic	9.51 (1.42)	13.26 (2.39)	5.32 (1.55)	1.65 (0.09)	6.27 (4.49-8.77)	9.12 (6.00-13.87)	3.36 (1.81-6.21)	2.72 (1.26-5.85)
Antisocial	19.63 (1.82)	19.91 (2.62)	19.33 (2.81)	3.53 (0.16)	6.67 (5.21-8.54)	6.79 (4.84-9.52)	6.54 (4.51-9.49)	1.04 (0.62-1.73)
Others								
Conduct disorders	2.44 (0.78)	1.92 (0.86)	3.01 (1.41)	1.01 (0.08)	2.44 (1.26-4.73)	1.92 (0.78-4.73)	3.03 (1.15-8.03)	0.63 (0.16-2.47)

*Data refer to Wave 1 when not available for Wave 2. In particular, Avoidant, Dependent, Obsessive-compulsive, Paranoid, Schizoid, Histrionic, Antisocial personality disorders and Conduct disorders are from Wave 1.

All estimates are based on weighted data taking into account the study design.

Significant OR (95% CI not including 1) are indicated in bold.

Table DS2 Logistic regression model in the entire sample (men plus women). Dependent variable: Obesity (at Wave 2). Independent variables: lifetime ADHD and any mood, anxiety, SUDs (nicotine dependence and Any SUDs, except nicotine dependence), lifetime, race/ethnicity, and individual income

	b	S.E.	AOR	95% CI	p (2-tailed)
Predictors (independent variables)					
Lifetime ADHD	0.05	0.12	1.05	0.83-1.33	0.675
Mood disorder lifetime	0.28	0.03	1.32	1.24-1.41	<0.0001
Anxiety disorder lifetime	0.21	0.04	1.24	1.15-1.33	<0.0001
Any SUDs (except nicotine dependence) lifetime	-0.07	0.03	0.93	0.87-1.00	0.0522
Nicotine dependence lifetime	-0.05	0.04	0.95	0.88-1.03	0.2296
Race/Ethnicity					
White	0.00	0.00	1.00	1.00-1.00	.
Black	0.60	0.04	1.83	1.69-1.97	<0.0001
Native American	0.47	0.11	1.60	1.29-1.98	<0.0001
Asian	-1.14	0.14	0.32	0.24-0.42	<0.0001
Hispanic	0.23	0.05	1.26	1.13-1.39	<0.0001
Individual Income					
0-19K	0.00	0.00	1.00	1.00-1.00	.
20-34K	0.01	0.04	1.01	0.92-1.10	0.878
35-69K	0.03	0.04	1.03	0.95-1.10	0.476
>70K	-0.12	0.06	0.89	0.79-1.00	0.045

Significant 95% CI and p (<0.05) are indicated in bold.

Table DS3 Logistic regression model in men. Dependent variable: Obesity (at Wave 2). Independent variables: lifetime ADHD and any mood, anxiety, and SUDs (nicotine dependence and Any SUDs, except nicotine dependence), lifetime, race/ethnicity, and individual income

	b	S.E.	AOR	95% CI	p (2-tailed)
Predictors (independent variables)					
Lifetime ADHD	-0.04	0.17	0.96	0.68-1.35	0.820
Mood disorder lifetime	0.24	0.06	1.27	1.12-1.44	0.0002
Anxiety disorder lifetime	0.13	0.06	1.14	1.01-1.28	0.030
Any SUDs (except nicotine dependence) lifetime	0.01	0.05	1.01	0.92-1.10	0.908
Nicotine dependence lifetime	-0.05	0.06	0.95	0.84-1.06	0.359
Race/Ethnicity					
White	0.00	0.00	1.00	1.00-1.00	.
Black	0.28	0.07	1.33	1.16-1.52	0.0001
Native American	0.56	0.16	1.74	1.27-2.40	0.0009
Asian	-0.96	0.20	0.38	0.26-0.56	<0.0001
Hispanic	0.15	0.06	1.17	1.03-1.32	0.015
Individual Income					
0-19K	0.00	0.00	1.00	1.00-1.00	.
20-34K	0.10	0.06	1.10	0.97-1.25	0.134
35-69K	0.20	0.05	1.22	1.10-1.36	0.0003
>70K	0.03	0.08	1.03	0.88-1.21	0.732

Significant 95% CI and p (<0.05) are indicated in bold.

Table DS4 Logistic regression model in women. Dependent variable: Obesity (at Wave 2). Independent variables: lifetime ADHD and any mood, anxiety, and SUDs (nicotine dependence and Any SUDs, except nicotine dependence), lifetime, race/ethnicity, and individual income

	b	S.E.	AOR	95% CI	p (2-tailed)
Predictors (independent variables)					
Lifetime ADHD	0.15	0.15	1.16	0.86-1.56	0.333
Mood disorder lifetime	0.34	0.05	1.41	1.28-1.54	<0.0001
Anxiety disorder lifetime	0.28	0.05	1.32	1.21-1.45	<0.0001
Any SUDs (except nicotine dependence) lifetime	-0.19	0.05	0.83	0.75-0.92	0.0004
Nicotine dependence lifetime	-0.05	0.05	0.86	1.86-1.06	0.367
Race/Ethnicity					
White	0.00	0.00	1.00	1.00-1.00	.
Black	0.86	0.04	2.36	2.16-2.58	<0.0001
Native American	0.40	0.14	1.49	1.13-1.97	0.0060
Asian	-1.34	0.18	0.26	0.18-0.38	<0.0001
Hispanic	0.29	0.07	1.34	1.16-1.55	0.0001
Individual Income					
0-19K	0.00	0.00	1.00	1.00-1.00	.
20-34K	-0.05	0.06	0.95	0.85-1.06	0.3817
35-69K	-0.18	0.05	0.84	0.75-0.93	0.001
>70K	-0.49	0.10	0.61	0.50-0.75	<0.0001

Significant 95% CI and p (<0.05) are indicated in bold.