

**THE PROFILES AND CORRELATES OF PSYCHOPATHOLOGY IN
ADOLESCENTS AND ADULTS WITH WILLIAMS, FRAGILE X AND
PRADER-WILLI SYNDROMES**

(withheld for blinded review)

Journal of Autism and Developmental Disorders

Supplemental Material

Online Resource A

Supplemental Table 1 Correlations between the ADAMS subscales for Williams syndrome, Fragile X syndrome and Prader-Willi syndrome

	Depressed Mood	General Anxiety	Manic/ hyperactivity	Obsessive- compulsive	Social Avoidance	ADAMS total
Williams syndrome						
<i>Depressed mood</i>	-	.71**	.61**	.40	.47*	.81**
<i>General anxiety</i>		-	.76**	.51*	.57**	.89**
<i>Manic/hyperactivity</i>			-	.49*	.66**	.85**
<i>Obsessive-compulsive</i>				-	.69**	.69**
<i>Social Avoidance</i>					-	.78**
<i>ADAMS total</i>						-
Fragile X syndrome						
<i>Depressed mood</i>	-	.72**	.53**	.39*	.28	.71**
<i>General anxiety</i>		-	.63**	.54**	.41*	.86**
<i>Manic/hyperactivity</i>			-	.59**	.52**	.84**
<i>Obsessive-compulsive</i>				-	.32	.72**
<i>Social Avoidance</i>					-	.68**
<i>ADAMS total</i>						-
Prader-Willi syndrome						
<i>Depressed mood</i>	-	.88**	.69**	.67**	.67**	.94**
<i>General anxiety</i>		-	.79**	.66**	.72**	.95**
<i>Manic/hyperactivity</i>			-	.59*	.51*	.82**
<i>Obsessive-compulsive</i>				-	.47	.74**
<i>Social Avoidance</i>					-	.77**
<i>ADAMS total</i>						-

*p<.01, **p<.0001

Online Resource B

Supplemental Table 2 Spearman's rho correlations between the ADAMS subscales and DBC mean item and intensity scores (n=110)

	ADAMS subscales					
	Depressed mood	Generalised anxiety	Manic/hyperactive	Obsessive compulsive	Social avoidance	Total
DBC score						
<i>Mean item score</i>	.53**	.67**	.75**	.64**	.51**	.80**
<i>Intensity score</i>	.37**	.53**	.65**	.60**	.46**	.67**

**p<.0001

Online Resource C

Supplemental Table 3 Group differences between Williams syndrome (n=35), fragile X syndrome (n=49) and Prader-willi syndrome (n=26) for age, gender, level of independence, auditory sensory processing, health and emotional/behavioural measures

		WS	FXS	PWS	F/x ²	P value <.01	ε ²	Post hoc tests <.01
Age	Med (IR) range	21.0 (45) 12-57	24.0 (12) 12-50	25.5 (15) 12-47	1.93	.381		
Gender	% of males	40	100	42	43.02	<.0001	.63 ^a	FXS>PWS, WS
WADL total score	M (SD) range	18.37 (6.24) 6-28	18.87 (5.45) 9-29	17.50 (5.84) 4-29	.47	.626		
SEQ auditory score		18.69 (3.36) 13-25	17.64 (3.88) 10-26	13.19 (3.12) 8-20	19.67	<.0001	.27 ^b	FXS, WS> PWS
Health								
<i>Lifetime overall scores</i>	Med (IR) range	9.0 (4.0) 2-22	5.0 (3.0) 0-16	6.0 (8.0) 1-23	23.90	<.0001	.22	WS>FXS
<i>Lifetime no. of difficulties</i>		6.0 (2.0) 2-11	3.0 (3.0) 0-8	5.0 (4.0) 1-10	27.97	<.0001	.26	PWS, WS >FXS
<i>Current overall scores</i>		3.0 (5.0) 0-12	0.0 (2.0) 0-16	2.0 (3.3) 0-19	15.15	.001	.14	PWS, WS >FXS
<i>Current no. of difficulties</i>		2.0 (3.0) 0-8	0.0 (1.0) 0-8	1.0 (2.0) 0-10	18.74	<.0001	.17	PWS, WS>FXS

^a Cramer's V for effect size

^b Partial eta squared (η_p^2) for effect size

	WS Med (IR) range	FXS Med (IR) range	PWS Med (IR) range	F/χ^2	P value <.01	ϵ^2	Post hoc tests <.05
ADAMS							
<i>Depressed mood</i>	4.0 (7.0) 0-21	2.0 (5.0) 0-14	5.0 (7.0) 0-18	6.49	.039		
<i>General anxiety</i>	7.0 (6.0) 0-21	8.0 (7.0) 0-20	4.0 (8.0) 0-12	9.61	.008	.09	FXS, WS >PWS
<i>Manic hyperactive</i>	4.0 (7.0) 0-12	7.0 (7.0) 0-14	3.0 (6.5) 0-12	10.16	.006	.09	FXS> PWS
<i>Obsessive compulsive</i>	1.0 (3.0) 0-9	2.0 (5.0) 0-9	3.0 (4.0) 0-6	1.60	.450		
<i>Social avoidance</i>	3.0 (5.0) 0-16	8.0 (7.0) 2-17	2.0 (5.3) 0-12	37.13	<.0001	.34	FXS>PWS, WS
<i>Total</i>	18.0 (23.0) 1-70	25.0 (21.0) 4-66	18.0 (27.5) 0-45	6.61	.037		
DBC A							
<i>Antisocial</i>	4.0 (5.0) 0-24	5.0 (5.0) 1-12	9.0 (11.0) 1-22	6.46	.040		
<i>Self-absorbed</i>	6.0 (8.0) 0-33	8.0 (4.0) 2-23	6.0 (8.0) 1-28	3.54	.170		
<i>Communication and anxiety</i>	11.0 (10.0) 1-29	15.0 (7.75) 6-36	13.0 (12.5) 3-30	3.99	.136		
<i>Disruptive</i>	9.0 (11.5) 1-41	10.0 (9.50) 2-33	16.0 (14.5) 2-32	2.93	.231		
<i>Social relating</i>	3.0 (4.0) 0-13	8.0 (4.0) 3-14	4.0 (4.0) 0-12	26.96	<.0001	.32	FXS>PWS, WS
<i>Depressive</i>	5.0 (8.0) 0-19	2.0 (4.0) 0-20	6.0 (8.0) 0-14	5.82	.054		
<i>Total</i>	38.0 (36.0) 5-129	45.5 (24.3) 21-107	47.0 (46.5) 12-117	1.86	.395		

	WS Med (IR) range	FXS Med (IR) range	PWS Med (IR) range	F/x ²	P value <.01	ε ²	Post hoc tests <.05
DBC P^c							
	14.5 (19.5)	30.0 (23.8)	10.0 (22.5)				
<i>Disruptive/ antisocial</i>	2-32	8-40	3-31				
	9.0 (15.0)	31.5 (29.8)	7.0 (25.5)				
<i>Self-absorbed</i>	2-36	7-45	2-42				
	8.5 (5.8)	17.5 (18.3)	8.0 (10.0)				
<i>Communication</i>	2-17	3-25	1-16				
	5.0 (5.0)	6.0 (5.0)	3.0 (3.0)				
<i>Anxiety</i>	0-10	4-12	1-5				
	3.5 (5.5)	7.5 (7.3)	5.0 (3.0)				
<i>Social relating</i>	0-13	4-12	0-5				
	45.0 (45.0)	96.5 (83.0)	35.0 (60.5)				
<i>Total</i>	11-107	31-126	8-101				
DBC Combined scores							
<i>Mean item score</i>	.36 (.40)	.45 (.29)	.43 (.42)	2.40	.301		
	.05-1.21	.06-1.31	.08-1.09				
<i>Positively checked items</i>	.18 (.20)	.22 (.15)	.21 (.21)	2.39	.303		
	.02-.60	.03-.66	.04-.55				
<i>Intensity score</i>	.06 (.14)	.10 (.12)	.08 (.20)	1.90	.387		
	.00-.50	.00-.60	.00-.40				
Anxiety triggers							
<i>Total score</i>	46.0 (31.3)	44.4 (30.3)	20.5 (30.0)	18.42	<.0001	.17	FXS, WS> PWS
	11-87	7-93	0-64				
Setting events %							
<i>Tiredness</i>	50	44	69	4.41	3.49		
<i>Pain/illness</i>	65	45	46	3.49	.174		
<i>Hunger</i>	41	46	85	13.21	.001	.14	PWS> FXS, WS
<i>Negative Mood</i>	59	52	62	.72	.699		

Online Resource D

Regression linear models of predictors of mental health difficulties for Williams syndrome, Fragile X syndrome and Prader-Willi syndrome.

Williams syndrome

Supplemental Table 4 WS - Total Anxiety, Depression and Mood score Linear model of predictors of total anxiety, depression and mood score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	41.97 (21.05, 70.96)	12.20		.001
Age	-100.10 (-361.33, 174.39)	137.63	-.13	.449
Adaptive ability	-0.76 (-1.60, -0.11)	0.45	-.28	.100
Step 2				
Constant	-24.08 (-71.33, 71.20)	23.85		.220
Age	-161.72 (-383.62, 26.85)	101.86	-.20	.101
Adaptive ability	0.03 (-0.78, 0.55)	0.49	.01	.948
Lifetime health	0.29 (-0.78, 1.67)	0.55	.08	.544
Current health	2.50 (0.22, 4.51)	0.94	.50	.014
Auditory processing	2.31 (0.83, 3.41)	0.96	.46	.012

Supplemental Table 5 WS - Depressed mood Linear model of predictors of depressed mood, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	10.55 (3.46, 19.75)	4.01		.018
Age	-50.87 (-14.71, 44.20)	46.17	-.22	.279
Adaptive ability	-0.16 (-0.43, 0.04)	0.12	-.21	.199
Step 2				
Constant	.063 (-17.16, 22.92)	7.76		.993
Age	-53.31 (-132.80, 14.49)	32.77	-.23	.106
Adaptive ability	-0.09 (-0.35, 0.11)	0.15	-.12	.492
Lifetime health	0.22 (-0.14, 0.63)	0.17	.21	.169
Current health	0.72 (0.05, 1.14)	0.28	.50	.018
Auditory processing	0.25 (-0.32, 0.72)	0.30	.18	.367

Supplemental Table 6 WS - General anxiety Linear model of predictors of generalised anxiety, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	12.99 (6.62, 21.48)	3.29		.002
Age	-31.22 (-107.23, 58.61)	42.65	-.13	.204
Adaptive ability	-0.19 (-0.43, 0.01)	0.13	-.23	.479
Step 2				
Constant	-4.16 (-16.74, 21.32)	8.00		.596
Age	-36.68 (-101.43, 30.22)	34.63	-.15	.869
Adaptive ability	-0.03 (-0.43, 0.01)	0.17	-.03	.323
Lifetime health	0.28 (-0.10, 0.67)	-.20	.25	.141
Current health	0.59 (-0.12, 1.22)	0.31	.39	.026
Auditory processing	0.52 (-0.08, 0.87)	0.30	.34	.085

Supplemental Table 7 WS - Manic/Hyperactivity Linear model of predictors of manic/hyperactivity, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	7.43 (0.69, 15.04)	3.77		.016
Age	12.29 (-60.11, 92.21)	38.99	.07	.706
Adaptive ability	-0.17 (-0.46, 0.08)	0.13	-.28	.123
Step 2				
Constant	-6.83 (-19.03, 16.65)	8.09		.273
Age	7.52 (-47.32, 53.79)	32.20	.04	.795
Adaptive ability	-0.02 (-0.36, 0.17)	0.16	-.04	.850
Lifetime health	0.21 (-0.02, 0.44)	0.14	.26	.153
Current health	0.31 (0.22, 0.77)	0.22	.27	.132
Auditory processing	0.47 (-0.07, 0.76)	0.27	.41	.052

Supplemental Table 8 WS - Obsessive Compulsive Linear model of predictors of obsessive compulsive, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	4.32 (1.28, 8.40)	1.78		.021
Age	-22.11 (-59.92, 16.69)	19.47	-.19	.226
Adaptive ability	-0.06 (-0.19, 0.05)	0.07	-.16	.390
Step 2				
Constant	-0.44 (-9.55, 9.66)	3.94		.898
Age	-37.33 (-79.04, -1.36)	20.80	-.32	.069
Adaptive ability	0.03 (-0.13, -0.17)	0.09	.07	.725
Lifetime health	-0.18 (-0.38, 0.07)	0.10	-.33	.095
Current health	0.35 (-0.04, 0.61)	0.16	.47	.041
Auditory processing	0.23 (-0.07, 0.50)	0.16	.31	.148

Supplemental Table 9 WS - Social Avoidance Linear model of predictors of social avoidance, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	6.15 (2.54, 10.58)	1.99		.010
Age	-5.31 (-50.70, 52.36)	26.67	-.03	.838
Adaptive ability	-0.15 (-0.30, -0.03)	-0.08	-.29	.057
Step 2				
Constant	-12.42 (-25.19, 2.98)	5.04		.012
Age	-30.78 (-78.15, 16.35)	22.35	-.19	.170
Adaptive ability	-0.11 (-0.06, 0.25)	0.10	.21	.261
Lifetime health	0.42 (-0.33, 0.24)	0.13	-.12	.515
Current health	-0.09 (-0.08, 0.76)	0.24	.42	.077
Auditory processing	0.77 (0.41, 1.04)	0.20	.76	.001

Supplemental Table 10 WS - DBC MIS Linear model of predictors of DBC MIS, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	0.62 (0.14, 1.19)	0.24		.008
Age	2.19 (-2.10, 7.25)	2.43	.16	.368
Adaptive ability	-0.02 (-0.03, -0.00)	0.01	-.32	.084
Step 2				
Constant	-0.63 (-1.39, 1.05)	0.44		.076
Age	1.01 (-2.24, 3.99)	1.60	.07	.494
Adaptive ability	0.00 (-0.01, 0.01)	0.01	.04	.786
Lifetime health	0.00 (-0.02, 0.02)	0.01	-.01	.961
Current health	0.05 (0.02, 0.09)	0.01	.52	.001
Auditory processing	0.04 (0.01, 0.06)	0.02	.50	.008

Supplemental Table 11 WS - DBC II Linear model of predictors of DBC II, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	0.18 (0.01, 0.41)	0.11		.094
Age	1.06 (-0.71, 3.27)	0.99	.17	.275
Adaptive ability	-0.01 (-0.02, 0.00)	0.00	-.28	.108
Step 2				
Constant	-0.31 (-0.73, 0.29)	0.19		.064
Age	0.29 (-1.49, 2.15)	0.79	.05	.678
Adaptive ability	0.00 (-0.01, 0.01)	0.00	.08	.624
Lifetime health	-0.01 (-0.02, 0.00)	0.01	-.22	.149
Current health	0.02 (0.01, 0.04)	0.01	.55	.009
Auditory processing	0.02 (0.01, 0.03)	0.01	.49	.013

Fragile X syndrome

Supplemental Table 12 FXS - Total Anxiety, Depression and Mood score Linear model of predictors of total anxiety, depression and mood score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	35.79 (13.92-59.46)	11.48		.003
Age	-32.29 (-334.23-267.17)	142.93	-.04	.816
Adaptive ability	-0.36 (-1.16-0.41)	0.40	-.14	.370
Step 2				
Constant	12.85 (-23.52-56.37)	16.09		.368
Age	-37.07 (-300.80-154.88)	147.04	-.04	.793
Adaptive ability	-0.02 (-0.82-0.66)	0.44	.01	.969
Lifetime health	0.83 (-0.89-2.45)	0.83	.20	.329
Current health	0.67 (-1.46-5.70)	1.34	.13	.524
Auditory processing	0.67 (-0.43-1.59)	0.57	.17	.230

Supplemental Table 13 FXS - Depressed Mood Linear model of predictors of depressed mood score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	B (95% CIs)	SE B	β	p
Step 1				
Constant	2.11 (-2.44-6.31)	2.26		.347
Age	-3.93 (-52.35-60.12)	27.55	-.02	.873
Adaptive ability	0.04 (-0.10-0.19)	0.07	.07	.607
Step 2				
Constant	-2.62 (-13.19-6.22)	4.06		.531
Age	-2.41 (-61.02-46.31)	33.97	-.01	.932
Adaptive ability	0.12 (-0.01-0.26)	0.09	.22	.178
Lifetime health	0.13 (-0.23-0.53)	0.17	.16	.411
Current health	0.25 (-0.20-1.38)	0.35	.23	.346
Auditory processing	0.12 (-0.16-0.39)	0.15	.15	.442

Supplemental Table 14 FXS - General anxiety Linear model of predictors of generalised anxiety score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	B (95% CIs)	SE B	β	p
Step 1				
Constant	7.18 (-0.41-14.26)	3.93		.061
Age	14.45 (-71.14-105.62)	45.06	.05	.718
Adaptive ability	-0.01 (-0.28-0.29)	0.14	-.02	.917
Step 2				
Constant	-2.00 (-14.06-9.86)	5.22		.682
Age	12.60 (-60.81-72.64)	45.72	.04	.797
Adaptive ability	0.10 (-0.15-0.37)	0.14	.12	.466
Lifetime health	0.30 (-0.27-0.83)	0.27	.23	.275
Current health	0.08 (-0.69-1.63)	0.46	.05	.815
Auditory processing	0.31 (-0.03-0.65)	0.18	.24	.090

Supplemental Table 15 FXS - Manic/Hyperactivity Linear model of predictors of manic hyperactive score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	B (95% CIs)	SE B	β	p
Step 1				
Constant	9.00 (2.94-15.61)	2.97		.002
Age	23.43 (-66.63-100.40)	42.87	.09	.584
Adaptive ability	-0.16 (-0.37-0.02)	0.10	-.22	.111
Step 2				
Constant	5.45 (-6.26-16.57)	4.54		.219
Age	23.58 (-61.19-81.29)	45.65	.09	.594
Adaptive ability	-0.10 (-0.31-0.11)	0.12	-.13	.401
Lifetime health	0.12 (-0.31, 0.50)	0.21	.11	.562
Current health	0.28 (-0.32-1.41)	0.34	.19	.291
Auditory processing	0.07 (-0.20-0.33)	0.15	.07	.607

Supplemental Table 16 FXS - Obsessive Compulsive Linear model of predictors of obsessive compulsive score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	B (95% CIs)	SE B	β	p
Step 1				
Constant	2.74 (-2.81-7.69)	2.57		.271
Age	31.39 (-33.13-103.69)	33.57	.16	.341
Adaptive ability	-0.06 (-0.21-0.11)	0.08	-.11	.470
Step 2				
Constant	-2.72 (-11.59-6.98)	3.60		.426
Age	28.80 (-32.57-71.99)	33.31	.15	.403
Adaptive ability	0.02 (-0.15-0.18)	0.09	.03	.855
Lifetime health	0.24 (-0.06-0.59)	0.15	.28	.110
Current health	0.10 (-0.33-0.93)	0.26	.09	.645
Auditory processing	0.16 (-0.06-0.34)	0.12	.20	.192

Supplemental Table 17 FXS - Social Avoidance Linear model of predictors of social avoidance score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	B (95% CIs)	SE B	β	p
Step 1				
Constant	13.06 (5.81-20.73)	3.84		.003
Age	-69.93 (-157.91-24.38)	46.36	-.26	.131
Adaptive ability	-0.09 (-0.34-0.13)	0.12	-.12	.499
Step 2				
Constant	10.21 (-0.45-23.10)	5.70		.070
Age	-71.61 (-167.08-22.22)	48.99	-.27	.141
Adaptive ability	-0.05 (-0.33-0.21)	0.14	-.06	.759
Lifetime health	0.14 (-0.32-0.64)	0.23	.12	.550
Current health	0.07 (-0.52-0.83)	0.33	.05	.770
Auditory processing	0.08 (-0.35-0.40)	0.19	.07	.692

Supplemental Table 18 FXS - DBC MIS Linear model of predictors of DBC MIS score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	B (95% CIs)	SE B	β	p
Step 1				
Constant	0.25 (-0.11-0.65)	0.20		.211
Age	6.92 (0.89-12.62)	3.18	.41	.037
Adaptive ability	-0.00 (-0.01-0.01)	0.01	-.04	.771
Step 2				
Constant	-0.04 (-0.64-0.74)	0.29		.887
Age	4.49 (-0.94-8.82)	2.92	.26	.137
Adaptive ability	0.00 (-0.01-0.01)	0.01	.03	.826
Lifetime health	0.03 (-0.01-0.05)	0.02	.30	.087
Current health	0.03 (-0.03-0.08)	0.03	.23	.203
Auditory processing	0.01 (-0.01-0.02)	0.01	.14	.273

Supplemental Table 19 FXS - DBC II Linear model of predictors of DBC II score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	B (95% CIs)	SE B	β	p
Step 1				
Constant	0.06 (-0.12-0.25)	0.10		.534
Age	2.08 (-0.84-5.23)	1.18	.29	.183
Adaptive ability	-0.00 (-0.01-0.00)	0.00	-.05	.730
Step 2				
Constant	-0.08 (-0.37-0.25)	0.14		.559
Age	1.43 (-1.36-3.84)	1.19	.20	.319
Adaptive ability	0.00 (-0.01, 0.01)	0.00	.02	.898
Lifetime health	0.01 (-0.01, 0.02)	0.01	.16	.302
Current health	0.02 (-0.01-0.04)	0.01	.24	.224
Auditory processing	0.01 (-0.00, 0.01)	0.00	.18	.212

Prader-Willi syndrome

Supplemental Table 20 PWS - Total Anxiety, Depression and Mood score Linear model of predictors of total anxiety, depression and mood score, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	52.47 (28.56, 74.84)	12.96		.001
Age	-205.17 (-500.87, 187.12)	177.60	-.23	.233
Adaptive ability	-1.41 (-2.26, -0.43)	0.44	-.56	.001
Step 2				
Constant	26.34 (-28.50, 77.45)	26.78		.358
Age	-165.21 (-580.73, 335.01)	195.64	-.18	.373
Adaptive ability	-1.17 (-2.28, -0.02)	0.59	-.47	.052
Lifetime health	0.67 (-1.05, 2.28)	0.88	.26	.433
Current health	-0.33 (-2.32, 2.00)	0.94	-.12	.637
Auditory processing	1.23 (-0.93, 3.56)	1.38	.26	.377

Supplemental Table 21 PWS - Depressed mood Linear model of predictors of depressed mood, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	15.29 (8.74, 21.64)	3.10		.001
Age	-96.68 (-170.33, -16.65)	41.34	-.41	.014
Adaptive ability	-0.36 (-0.57, -0.08)	0.12	-.54	.011
Step 2				
Constant	1.00 (-5.40, 23.97)	0.24		.242
Age	-92.00 (-245.07, 60.67)	0.09	-.39	.085
Adaptive ability	-0.32 (-0.65, 0.05)	0.09	-.48	.086
Lifetime health	0.38 (-0.07, 0.75)	0.12	.55	.124
Current health	-0.25 (-0.78, 0.45)	0.23	-.33	.230
Auditory processing	0.18 (-0.40, 0.77)	0.64	.14	.637

Supplemental Table 22 PWS - General anxiety Linear model of predictors of generalised anxiety, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	12.04 (4.28, 19.17)	4.19		.011
Age	-28.41 (-130.98, 79.43)	54.42	-.11	.588
Adaptive ability	-0.37 (-0.63, -0.04)	0.14	-.52	.006
Step 2				
Constant	8.21 (-9.04, 22.62)	8.85		.406
Age	-29.07 (-170.01, 131.60)	60.76	-.11	.649
Adaptive ability	-0.35 (-0.73, 0.08)	0.19	-.49	.100
Lifetime health	0.38 (-0.09, 0.76)	0.28	.52	.151
Current health	-0.30 (-0.98, 0.50)	0.28	-.37	.204
Auditory processing	0.13 (-0.50, 0.86)	0.40	.10	.745

Supplemental Table 23 PWS - Manic Hyperactivity Linear model of predictors of manic hyperactive, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	11.29 (4.90, 17.35)	3.63		.007
Age	-14.57 (-99.21, 101.16)	52.26	-.06	.773
Adaptive ability	-0.38 (-0.59, -0.13)	0.11	-.59	.003
Step 2				
Constant	6.79 (-8.41, 19.43)	6.91		.362
Age	-14.03 (-102.74, 113.01)	52.49	-.06	.792
Adaptive ability	-0.36 (-0.61, -0.08)	0.13	-.55	.029
Lifetime health	0.29 (-0.11, 0.63)	0.22	.44	.207
Current health	-0.25 (-0.74, 0.16)	0.24	-.34	.265
Auditory processing	0.21 (-0.33, 0.91)	0.34	.17	.537

Supplemental Table 24 PWS - Obsessive compulsive Linear model of predictors of obsessive compulsive, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	5.11 (-0.31, 10.89)	2.58		.067
Age	-9.19 (-65.96, 60.38)	32.52	-.07	.777
Adaptive ability	-0.13 (-0.30, 0.01)	0.08	-.36	.146
Step 2				
Constant	0.69 (-9.02, 7.99)	4.51		.886
Age	6.81 (-60.67, 97.11)	37.47	.05	.854
Adaptive ability	-0.05 (-0.26, 0.17)	0.11	-.15	.615
Lifetime health	-0.07 (-0.33, 0.29)	0.14	-.19	.595
Current health	0.19 (-0.24, 0.52)	0.16	.46	.161
Auditory processing	0.17 (-0.17, 0.55)	0.19	.26	.341

Supplemental Table 25 PWS - Social Avoidance Linear model of predictors of social avoidance, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	11.24 (3.41, 18.72)	3.80		.009
Age	-78.81 (-159.18, 20.77)	41.91	-.34	.058
Adaptive ability	-0.26 (-0.52, -0.01)	0.13	-.40	.059
Step 2				
Constant	4.01 (-8.07, 18.25)	6.49		.531
Age	-60.58 (-163.52, 68.22)	47.80	-.26	.186
Adaptive ability	-0.17 (-0.48, 0.14)	0.15	-.27	.240
Lifetime health	-0.19 (-0.73, 0.22)	0.28	-.29	.436
Current health	0.22 (-0.29, 0.94)	0.30	.30	.346
Auditory processing	0.43 (-0.07, 0.87)	0.32	.35	.175

Supplemental Table 26 PWS - DBC MIS Linear model of predictors of DBC MIS, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	0.90 (0.44, 1.31)	0.29		.007
Age	-0.53 (-8.57, 9.36)	4.37	-.03	.894
Adaptive ability	-0.02 (-0.04, 0.01)	0.01	-.45	.018
Step 2				
Constant	0.13 (-0.81, 0.84)	0.48		.800
Age	1.32 (-6.36, 11.74)	3.97	.08	.736
Adaptive ability	-0.01 (-0.04, 0.02)	0.01	-.25	.235
Lifetime health	0.01 (-0.02, 0.03)	0.02	.25	.414
Current health	0.01 (-0.03, 0.09)	0.02	.08	.739
Auditory processing	0.03 (-0.01, 0.08)	0.02	.34	.171

Supplemental Table 27 PWS - DBC II Linear model of predictors of DBC II, with 95% bias corrected and accelerated confidence intervals reported in parentheses. Confidence intervals and standard errors based on 1000 bootstrap samples.

	b	SE B	β	p
Step 1				
Constant	0.15 (-0.09, 0.34)	0.13		.227
Age	1.36 (-1.37, 5.88)	1.83	.20	.449
Adaptive ability	-0.01 (-0.01, 0.01)	0.01	-.27	.258
Step 2				
Constant	-0.10 (-0.41, 0.12)	0.16		.524
Age	2.01 (-0.46, 5.96)	1.71	.30	.229
Adaptive ability	-0.00 (-0.01, 0.01)	0.01	-.09	.742
Lifetime health	0.01 (-0.01, 0.01)	0.01	.24	.488
Current health	0.00 (-0.01, 0.05)	0.01	.09	.759
Auditory processing	0.01 (-0.01, 0.03)	0.01	.25	.229