

SUPPLEMENTARY MATERIALS

Table S1 - Comparisons between the analytic subsample for Study 2, and the rest of the original sample (without PID-5 data) at baseline

	Analytic subsample (N=133)	Subsample without PID-5 data (N=69)		
	N (%)	N (%)	Chi-square	<i>p</i>
Male	113 (85.0%)	58 (84.1%)	.66	.42
Caucasian	113 (85.0%)	52 (75.4%)	3.30	.07
Past PTSD diagnoses	27 (20.3%)	12 (17.4%)	.09	.76
Past MDD diagnoses	34 (25.6%)	20 (29.0%)	.41	.52
Past Panic diagnoses	5 (3.8%)	3 (4.4%)	.06	.81
Current PTSD diagnoses	26 (18.8%)	15 (21.7%)	.24	.62
Current MDD diagnoses	21 (15.1%)	10 (14.5%)	.03	.88
Current Panic diagnoses	9 (6.5%)	8 (11.6%)	1.49	.22
	Mean (SD)	Mean (SD)	<i>t</i>	<i>p</i>
Age	53.72 (8.85)	56.00 (10.41)	1.71	.09
PTSD symptoms	35.02 (14.86)	37.55 (15.13)	1.20	.23
Depression symptoms	40.49 (13.86)	39.78 (11.51)	-.37	.72
Mental function	43.95 (12.25)	43.00 (10.25)	-.59	.56
Family life impairment	3.34 (3.07)	3.87 (2.92)	-1.18	.24

Table S2- Associations between specific personality traits and future outcomes across the three study samples: unadjusted (*d* or *r*), and adjusted for covariates, past and current diagnoses, and other personality traits (*OR* or β)

(a) 20-month Outcomes in Sample 1, Community adolescents										
	Neuroticism		Extraversion		Conscientiousness		Agreeableness		Openness to experience	
	<i>d</i>	<i>OR</i>	<i>d</i>	<i>OR</i>	<i>d</i>	<i>OR</i>	<i>d</i>	<i>OR</i>	<i>d</i>	<i>OR</i>
Any Depressive diagnoses first onsets	.53*	1.52*	-.32	.87	-.30	.82	-.36*	.83	.02	1.31
Any Anxiety diagnoses first onsets	.80*	2.40*	-.60*	.65*	-.37*	.87	-.46*	1.00	-.34	.70
Any Eating diagnoses first onsets	.56*	1.34	-.21	.98	-.15	1.25	-.33	.86	.01	.96
Any Behavioral diagnoses first onsets	.09	.56	-.35	.78	-.78*	.63	-.75*	.54*	.01	1.11
Any Substance use diagnoses first onsets	.38*	.93	.13	1.52	-.49*	.77	-.62*	.66*	.03	1.06
	<i>r</i>	β	<i>r</i>	β	<i>r</i>	β	<i>r</i>	β	<i>r</i>	β
School attitude	-.24*	-.01	.15*	-.02	.44*	.15*	.33*	.03	.15*	.09*
Perceived social support	-.19*	-.05	.16*	.00	.27*	.08	.31*	.08	.09	.02
(b) 1-year Outcomes in Sample 2, Trauma-exposed primary care adult patients										
	Negative Affectivity		Detachment		Disinhibition		Antagonism		Psychoticism	
	<i>r</i>	β	<i>r</i>	β	<i>r</i>	β	<i>r</i>	β	<i>r</i>	β

PTSD symptoms	.50*	.06	.62*	.15*	.39*	.05	.12	.00	.53*	.00
Depression symptoms	.46*	.07	.62*	.07*	.40*	.06	.11	.05	.54*	.09
Mental function	-.51*	-.15	-.61*	-.17	-.36*	.03	-.20*	-.07	-.54*	-.06
Family life impairment	.47*	.21*	.54*	.17	.28*	.04	.16	.02	.42*	-.15
(c) Outcomes in Sample 3, Adult psychiatric patients										
	Neuroticism		Extraversion		Conscientiousness		Agreeableness		Openness to experience	
	<i>r</i>	β	<i>r</i>	β	<i>r</i>	β	<i>r</i>	β	<i>r</i>	β
2-year outcomes										
GAF	-.25*	-.05	.24*	.06	.18*	.04	.18*	.11*	.18*	.06
LIFE interpersonal	-.15*	-.01	.24*	.13*	.11*	.03	.13*	.02	.15*	.05
LIFE work	-.21*	-.09	.17*	.07	.25*	.13*	.04	.02	.08	.04
LIFE recreation	-.15*	-.09	.21*	.08	.12*	.01	.09*	.04	.27*	.18*
10-year outcomes										
GAF	-.28*	-.13*	.24*	.04	.14*	-.02	.20*	.13*	.20*	.10*
LIFE interpersonal	-.17*	-.05	.19*	.07	.11*	.02	.20*	.14*	.14*	.06
LIFE work	-.14*	-.08	.13*	.15	.02	-.09	-.04	-.03	-.10	-.12
LIFE recreation	-.18*	-.05	.30*	.19*	.14*	.02	.05	.00	.22*	.12*

Notes: GAF – The Global Assessment of Functioning; LIFE - The Longitudinal Interval Follow-up Evaluation

Asterisk denotes significant associations at $p < .05$. The adjusted results correspond to final Models 1 from Table 2-4.

Cohen's d compares a mean difference in scores between the groups. $d=0.20-0.49$ is indicative of a small effect size, $d=0.50-0.80$ is a medium effect size and $d>0.80$ is a large effect size.

Table S3 - Incremental prediction by lifetime (past and current) diagnoses vs personality traits of (a) disorder first onsets and functional outcomes in community adolescents in Sample 1, (b) symptoms and functioning in trauma-exposed primary care adult patients in Sample 2, and (c) long-term functioning outcomes in adult psychiatric patients in Sample 3

		Model 1				Model 2				
	Predictor added	R²	ΔR²	%R²	<i>p</i>	Predictor added	R²	ΔR²	%R²	<i>p</i>
(d) 20-month Outcomes in Sample 1, Community adolescents										
Any Depressive diagnoses first onsets	Lifetime diagnoses	.28				Personality	.18			
	Personality	.34	.06	17.6%	<.01*	Lifetime diagnoses	.34	.16	47.1%	<.01*
Any Anxiety diagnoses first onsets	Lifetime diagnoses	.07				Personality	.19			
	Personality	.23	.16	69.6%	<.01*	Lifetime diagnoses	.23	.04	17.4%	.18
Any Eating diagnoses first onsets	Lifetime diagnoses	.07				Personality	.05			
	Personality	.09	.02	22.2%	.69	Lifetime diagnoses	.09	.04	44.4%	.17
Any Behavioral diagnoses first onsets	Lifetime diagnoses	.06				Personality	.11			
	Personality	.15	.10	66.7%	.04*	Lifetime diagnoses	.15	.05	33.3%	.24
Any Substance use diagnoses first onsets	Lifetime diagnoses	.14				Personality	.09			
	Personality	.18	.04	22.2%	.15	Lifetime diagnoses	.18	.10	55.6%	<.01*
School attitude	Current school attitude	.29				Current school attitude	.29			

	Lifetime diagnoses	.30	.01	3.3%	.03*	Personality	.32	.03	9.4%	<.01*
	Personality	.33	.03	9.1%	<.01*	Lifetime diagnoses	.33	.01	3.0%	.10
Perceived social support	Current perceived social support	.22				Current perceived social support	.22			
	Lifetime diagnoses	.24	.02	8.3%	.05	Personality	.25	.03	12.0%	<.01*
	Personality	.26	.02	7.7%	.01*	Lifetime diagnoses	.26	.01	3.8%	.19
(b) 1-year Outcomes in Sample 2, Trauma-exposed primary care adult patients										
PTSD symptoms	Current PTSD symptoms	.75				Current PTSD symptoms	.75			
	Lifetime diagnoses	.76	.01	1.3%	.15	Personality	.79	.04	5.1%	<.01*
	Personality	.79	.03	3.8%	.01*	Lifetime diagnoses	.80	.01	1.3%	.48
Depression symptoms	Current Depression symptoms	.52				Current Depression symptoms	.52			
	Lifetime diagnoses	.56	.04	7.1%	.05	Personality	.59	.06	10.2%	.01*
	Personality	.61	.05	8.2%	.03*	Lifetime diagnoses	.61	.02	3.3%	.15
Mental function	Current Mental function	.50				Current Mental function	.50			
	Lifetime diagnoses	.54	.04	7.4%	.08	Personality	.69	.09	13.0%	<.01*
	Personality	.61	.07	11.5%	<.01*	Lifetime diagnoses	.61	.01	1.6%	.47
Family life impairment	Current Family life impairment	.41				Current Family life impairment	.41			

	Lifetime diagnoses	.45	.04	8.9%	.07	Personality	.50	.09	18%	<.01*
	Personality	.52	.07	13.5%	.01*	Lifetime diagnoses	.52	.02	3.8%	.38
(c) Outcomes in Sample 3, Adult psychiatric patients										
2-year outcomes										
GAF	Current GAF	.26				Current GAF	.26			
	Lifetime diagnoses	.29	.03	10.3%	.01*	Personality	.29	.03	10.3%	<.01*
	Personality	.32	.03	9.4%	<.01*	Lifetime diagnoses	.32	.03	9.4%	.01*
LIFE interpersonal	Current LIFE interpersonal	.29				Current LIFE interpersonal	.29			
	Lifetime diagnoses	.32	.03	9.4%	.01*	Personality	.31	.02	6.5%	.02*
	Personality	.34	.02	5.9%	.01*	Lifetime diagnoses	.34	.03	8.8%	<.01*
LIFE work	Current LIFE work	.06				Current LIFE work	.06			
	Lifetime diagnoses	.06	.00	0.0%	.62	Personality	.11	.05	45.5%	<.01*
	Personality	.12	.06	50.0%	<.01*	Lifetime diagnoses	.12	.01	8.3%	.63
LIFE recreation	Current LIFE recreation	.09				Current LIFE recreation	.09			
	Lifetime diagnoses	.10	.01	10.0%	.40	Personality	.15	.06	40.0%	<.01*
	Personality	.16	.06	37.5%	<.01*	Lifetime diagnoses	.16	.01	6.3%	.28
10-year outcomes										
GAF	Current GAF	.18				Current GAF	.18			
	Lifetime diagnoses	.21	.03	14.3%	.04*	Personality	.24	.06	25.0%	<.01*

	Personality	.26	.05	19.2%	.01*	Lifetime diagnoses	.26	.02	7.7%	.24
LIFE interpersonal	Current LIFE interpersonal	.12				Current LIFE interpersonal	.12			
	Lifetime diagnoses	.13	.01	7.7%	.48	Personality	.16	.04	25.0%	.01*
	Personality	.17	.04	23.5%	.01*	Lifetime diagnoses	.17	.01	5.9%	.48
LIFE work	Current LIFE work	.03				Current LIFE work	.03			
	Lifetime diagnoses	.07	.04	57.1%	.43	Personality	.08	.05	62.5%	.17
	Personality	.11	.04	36.4%	.26	Lifetime diagnoses	.11	.03	27.3%	.58
LIFE recreation	Current LIFE recreation	.05				Current LIFE recreation	.05			
	Lifetime diagnoses	.07	.02	28.6%	.44	Personality	.13	.08	61.5%	<.01*
	Personality	.14	.07	50.0%	<.01*	Lifetime diagnoses	.14	.01	7.1%	.92

Notes: GAF – The Global Assessment of Functioning; LIFE - The Longitudinal Interval Follow-up Evaluation

In Sample 1, lifetime diagnoses included: any depressive disorders, any anxiety disorders, any eating disorders, any substance use, and behavioral disorders. In Sample 2, lifetime diagnoses included PTSD, MDD, and panic disorders. In Sample 3, past diagnoses included MDD, PTSD, panic, anxiety disorders, OCD, and eating disorders.

In Sample 1, the effect size for first onsets is Nagelkerke pseudo R².

Percentage R² denotes the proportion of the total variance explained by the predictor added. P-value denotes significant ΔR^2 at $p<.05$.