

Supplemental Table 1

Standardized factor loading of ESEM analyses three correlated factor solution at Time 4, 5, and 6 (N = 716).

Item #	Domain	Primary scale	Time 4			Time 5			Time 6		
			F1 λ	F2 λ	F3 λ	F1 λ	F2 λ	F3 λ	F1 λ	F2 λ	F3 λ
94	Social potency	Persuasive	.840	.035	.005	.839	.072	.000	.736	.110	.258
25	Social potency	Enjoy visibility/dominance	.543	-.024	.111	.635	.048	-.111	.527	-.074	.303
163	Social potency	Likes being in charge	.428	.085	.034	.394	-.107	.093	.484	.239	-.012
1	Social potency	Likes being in charge	.517	.054	.001	.596	.001	-.030	.584	.005	.186
47	Social potency	Enjoy visibility/dominance	.308	-.261	.156	.434	-.012	-.270	.452	-.261	.252
105	Social potency	Persuasive	.825	.062	-.041	.866	.041	-.120	.724	.114	.309
35	Social potency	Enjoy visibility/dominance	.359	.035	.068	.554	.036	.021	.465	-.007	.251
218	Social potency	Enjoy visibility/dominance	.197	-.239	.193	.359	-.058	-.217	.265	-.237	.233
257	Social potency	Persuasive	.332	-.158	.279	.36	.082	-.164	.402	-.024	.302
77	Harm avoidance	Dislikes adventures	.271	-.136	.371	.086	.343	-.313	.023	-.037	.442
33	Harm avoidance	Dislikes disaster areas	.265	.097	.406	.140	.422	-.151	-.005	.074	.433
149	Harm avoidance	Dislikes adventures	.296	.011	.255	.187	.386	-.243	.096	-.005	.331
48	Stress reaction	Nervous	.221	-.590	.037	.019	-.117	-.643	.209	-.572	.191
222	Stress reaction	Sensitive	.289	-.364	.107	.075	.198	-.438	.184	-.400	.272
15	Stress reaction	Sensitive	.054	-.538	.292	-.089	.175	-.755	.057	-.627	.273
209	Well-being	Interesting experiences	.456	-.251	.003	.454	.018	-.319	.376	-.221	.099
256	Well-being	Interesting experiences	.513	-.245	.034	.398	-.132	-.212	.552	-.164	.015
124	Achievement	Likes challenges	.541	-.148	-.024	.406	.011	-.215	.624	-.021	.002
274	Control	Tries anticipate events	-.226	-.179	.504	-.268	.556	-.248	-.373	-.148	.572
28	Unlikely virtues	Unlikely virtues	.483	-.009	-.044	.254	.072	-.195	.522	-.072	-.020
97	Aggression	Enjoys distressing others	-.127	.462	.436	-.126	.662	.104	.054	.534	.302
66	Aggression	Victimizes for own gain	.187	.425	.282	.200	.404	.177	.134	.235	.303
172	Aggression	Enjoys observing violence	.067	.423	.501	.050	.693	-.022	.015	.395	.523
202	Aggression	Physical violence	-.002	.452	.427	.082	.61	.183	.056	.428	.395
127	Aggression	Vengeful	-.117	.343	.420	-.009	.488	.154	-.03	.357	.382
112	Aggression	Enjoys distressing others	.193	.314	.253	.193	.425	.089	.057	.390	.280

232	Aggression	Enjoys observing violence	.054	.299	.551	.098	.706	.020	.02	.354	.580
261	Aggression	Vengeful	.008	.585	.401	.212	.459	.345	.271	.537	.389
293	Aggression	Physical violence	-.099	.562	.447	-.016	.565	.395	-.104	.520	.349
158	Aggression	Enjoys distressing others	-.001	.457	.304	.154	.461	.226	.107	.468	.341
31	Social closeness	Welcomes support	.211	-.191	-.016	.349	-.151	-.259	.330	-.373	-.058
60	Social closeness	Warm/affectionate	-.436	.304	.230	-.274	.358	.186	-.478	.221	.210
152	Social closeness	Values close relations	-.422	.195	.159	-.393	.220	.137	-.51	.158	.269
45	Social closeness	Welcomes support	-.184	.464	-.043	-.215	.230	.483	-.239	.485	.066
221	Social closeness	Warm/affectionate	-.210	.489	.008	-.194	.185	.547	-.225	.578	-.022
283	Alienation	Feels exploited	.002	.652	-.004	-.003	.290	.579	-.037	.716	.040
104	Control	Cautious careful	.056	.119	.462	.151	.487	.090	-.048	.078	.600
64	Control	Plans ahead	.183	-.054	.525	-.008	.539	-.131	-.194	-.002	.591
26	Control	Tries anticipate events	-.481	.000	.663	-.373	.694	-.009	-.615	.017	.784
90	Control	Sensible, structured	-.085	.089	.415	-.134	.466	-.024	-.339	-.042	.501
115	Control	Cautious careful	-.063	-.051	.587	.030	.592	-.145	-.085	.119	.564
151	Control	Reflective	.284	.115	.455	.171	.545	.007	-.032	.136	.650
41	Control	Reflective	-.115	.291	.566	-.113	.642	.290	-.371	.305	.731
162	Control	Sensible, structured	-.414	-.012	.715	-.336	.758	-.035	-.546	-.113	.818
147	Alienation	Sees self as target	-.113	.575	.071	-.049	.328	.552	.006	.828	-.081
238	Alienation	Feels betrayed	-.123	.691	-.075	-.022	.183	.646	-.018	.796	-.004
298	Alienation	Believes others wish him to fail	.038	.630	.082	.113	.27	.476	.108	.674	.030
178	Alienation	Sees self as target	-.003	.498	.056	.029	.345	.455	.089	.634	.048
95	Stress reaction	Mood swings	.052	.681	-.176	.170	-.029	.758	-.075	.737	-.086
131	Stress reaction	Mood swings	.005	.732	-.056	.260	.008	.730	-.108	.724	-.025
212	Stress reaction	Easily upset	-.044	.580	.017	.266	-.015	.634	.001	.554	-.010
270	Stress reaction	Nervous	.045	.689	.110	.102	.240	.641	-.020	.751	.008
82	Aggression	Physical violence	.014	.671	.277	-.002	.482	.366	-.001	.530	.341
22	Aggression	Vengeful	.111	.501	.358	.125	.483	.297	.112	.499	.415

Note. Factor loadings for Time 3 are reported in the main text. Item #, scale, and subscale refer to the 300-item version of the Multidimensional Personality Questionnaire (MPQ). The three blocks of items denote a-priori Boldness, Meanness, and Disinhibition items, respectively. Statistically significant factor loadings are reported in bold typeface.

Supplemental Table 2

Construct validity analyses for the MPQ-based triarchic psychopathy scales at time point 3 ($M_{age} = 16.08$, $SD = .45$).

Construct	$M(SD)$	n	Correlations (r)			Regressions (β/B) ^a			R^2/R^2_N
			Boldness	Meanness	Disinhibition	Boldness	Meanness	Disinhibition	
DI affective	21.67(12.71)	230	-.048	.002	-.016	-.049	.020	-.027	.003
DI behavioral	26.94(13.79)	230	.018	-.048	-.064	.020	-.018	-.054	.005
DI cognitive	29.12(9.83)	230	.029	.049	-.021	.025	.091	-.074	.007
DUSI alcohol	.41(.746)	463	-.04	.058	.094	-.041	.007	.090	.011
DUSI marijuana	.43(.985)	463	-.008	.154**	.216***	-.012	.043	.191**	.048***
ABS substance use	5.12(12.26)	618	.005	.297***	.283***	-.005	.200***	.166***	.107***
ABS behavioral problems	23.44(19.79)	618	-.108**	.422***	.553***	-.119***	.157***	.463***	.335***
ABS health status	24.44(14.97)	618	-.007	.231***	.359***	-.011	.033	.340***	.130***
ABS psychiatric disorder	19.98(17.50)	618	-.153***	.333***	.485***	-.160***	.086	.436***	.265***
ABS social competence	15.06(19.94)	618	-.249***	.208***	.349***	-.253***	.022	.339***	.186***
ABS family system	17.15(19.56)	618	-.033	.344***	.427***	-.043	.146**	.342***	.198***
ABS school performance	22.79(19.88)	618	-.116**	.446***	.493***	-.130***	.248***	.349***	.298***
ABS work adjustment	5.09(8.61)	618	-.034	.350***	.283***	-.048	.283***	.118	.134***
ABS peer relationships	26.55(22.31)	618	.028	.399***	.417***	.015	.235***	.280***	.211***
ABS leisure/recreation	24.91(19.00)	618	-.216***	.386***	.399***	-.229***	.246***	.257***	.247***
ABS total score	18.91(12.92)	618	-.128	.483***	.585***	-.142***	.224***	.455***	.393***
Alcohol use (Y/N)	Y=392, N=384	623	.011	.196***	.164***	.029	1.578**	.762	.056***
Marijuana use (Y/N)	Y=349, N=427	623	-.028	.253***	.187***	OR 1.03 -.524	4.84 2.42***	2.14 .642	.093***
						OR .59	11.28	1.90	

Note. DI = Dysregulation Inventory. DUSI = Drug Use Screening Inventory (number of uses in the past year). ABS = Absolute Problem Density Profile. For ease of readability, only significant regression coefficients (β/B) are displayed. $M(SD)$ = Means and standard deviations for the criterion variables in all available cases. n = valid cases for the analyses involving the MPQ-triarchic scales. OR = Odd Ratio.

^a B coefficients based on logistic regression analyses are reported for Alcohol and Marijuana use (Y/N), with corresponding Nagelkerke's R^2 (R^2_N)

** $p < .01$. *** $p < .001$.

Supplemental Table 3

Construct validity analyses for the MPQ-based triarchic psychopathy scales at time point 4 ($M_{age} = 18.84$, $SD = .48$).

Construct	$M(SD)$	n	Correlations (r)			Regressions (β/B) ^a			R^2/R^2_N
			Boldness	Meanness	Disinhibition	Boldness	Meanness	Disinhibition	
DI affective	17.46(11.94)	449	-.081	.010	.030	-.086	.047	.152**	.040***
DI behavioral	22.02(13.22)	449	.033	.117	.185***	.027	.012	.177**	.035**
DI cognitive	26.58(9.74)	449	-.056	.191***	.227***	-.062	.088	.177**	.061***
DUSI alcohol	1.13(1.11)	452	-.006	.191***	.147**	-.009	.160**	.053	.038**
DUSI marijuana	.96(1.39)	452	-.018	.164***	.181***	-.023	.088	.130	.038**
ABS substance use	10.80(16.69)	566	.062	.312***	.328***	.054	.184***	.218***	.132***
ABS behavioral problems	19.15(17.28)	566	-.095	.438***	.516***	-.110	.205***	.398***	.306***
ABS health status	23.60(15.37)	566	-.157***	.087	.187***	-.163***	-.037	.213***	.062***
ABS psychiatric disorder	18.96(17.98)	566	-.163***	.329***	.501***	-.178***	.050	.477***	.285***
ABS social competence	14.97(16.18)	566	-.212***	.233***	.309***	-.221	.075	.272***	.148***
ABS family system	17.21(20.35)	566	-.089	.294***	.378***	-.099	.109	.317***	.160***
ABS school performance	22.99(20.79)	566	-.026	.390***	.446***	-.038	.195***	.332***	.225***
ABS work adjustment	8.42(13.27)	566	-.009	.459***	.433***	-.020	.312***	.250***	.251***
ABS peer relationships	30.28(24.16)	566	-.002	.408***	.427***	-.013	.240***	.286***	.220***
ABS leisure/recreation	27.73(19.39)	566	-.139**	.314***	.398***	-.150***	.120	.332***	.190***
ABS total score	19.54(13.40)	566	-.109**	.467***	.564***	-.125***	.205***	.447***	.361***
Y-DMC Total	0.00 (1.00)	514	.200***	-.187***	-.215***	.206***	-.089	-.170**	.094***
Alcohol use (Y/N)	Y=571, N=205	569	.114**	.214***	.227***	1.29**	1.49	1.71**	.101***
Marijuana use (Y/N)	Y=441, N=335	569	-.033	.232***	.288***	OR 4.84	4.84	4.84	
						OR -.48	1.06	2.47***	.119***
						OR .620	2.873	11.87	
YASR Social competency ^b	48.66(7.39)	430	.100	-.207***	-.220***	.105	-.117	-.155**	.069***
YASR Internalizing ^b	45.90(10.75)	430	-.110	.166***	.173***	-.115	.098	.119	.050***
YASR Externalizing ^b	48.49(10.47)	430	.046	.205***	.243***	.040	.095	.186**	.066***

Note. DI = Dysregulation Inventory. DUSI = Drug Use Screening Inventory (number of uses in the past year). ABS = Absolute Problem Density Profile. Y-DMC = Youth Decision Making Competence Measure. YASR = Young Adult Self-Report. For ease of readability, only significant regression coefficients (β) are displayed. $M(SD)$ = Means and standard deviations for the criterion variables in all available cases. n = valid cases for the analyses involving the MPQ-triarchic scales. OR = Odd Ratio.

^a B coefficients based on logistic regression analyses are reported for Alcohol and Marijuana use (Y/N), with corresponding Nagelkerke's R^2 (R^2_N)

^b T-score (see Measures section)

** $p < .01$. *** $p < .001$.

Supplemental Table 4

Construct validity analyses for the MPQ-based triarchic psychopathy scales at time point 5 ($M_{age} = 21.89$, $SD = .43$).

Construct	$M(SD)$	n	Correlations (r)			Regressions (β/B) ^a			R^2/R^2_N
			Boldness	Meanness	Disinhibition	Boldness	Meanness	Disinhibition	
DI affective	17.21(12.52)	472	-.169**	.224***	.269***	-.173**	.105	.199**	.106***
DI behavioral	22.18(13.95)	472	-.075	.211***	.257***	-.078	.086	.201**	.075***
DI cognitive	25.90(9.93)	472	-.203***	.218***	.302***	-.204***	.060	.261***	.134***
DUSI alcohol	1.83(1.13)	448	.017	.135	.197***	.018	.010	.191**	.039**
DUSI marijuana	1.00(1.47)	448	-.001	.135	.134	-.005	.084	.079	.022
ABS substance use	14.86(19.16)	475	.006	.345***	.391***	-.001	.158**	.288***	.167***
ABS behavioral problems	18.29(18.07)	475	-.059	.509***	.562***	-.070	.258***	.394***	.356***
ABS health status	24.34(17.23)	475	-.077	.206***	.335***	-.073	-.010	.340***	.117***
ABS psychiatric disorder	18.16(18.27)	475	-.142**	.348***	.521***	-.139***	.034	.497***	.290***
ABS social competence	15.77(17.05)	475	-.186***	.300***	.428***	-.185***	.058	.389***	.218***
ABS family system	15.08(17.93)	475	-.100	.331***	.440***	-.101***	.090	.380***	.207***
ABS school performance	14.82(18.67)	475	-.026	.341***	.417***	-.030	.125	.335***	.183***
ABS work adjustment	8.97(15.52)	475	.006	.432***	.495***	-.001	.192***	.370***	.266***
ABS peer relationships	26.74(21.67)	475	.050	.483***	.503***	.038	.267***	.330***	.297***
ABS leisure/recreation	29.81(20.73)	475	-.102	.399***	.451***	-.110**	.197***	.322***	.235***
ABS total score	18.43(13.61)	475	-.085	.513***	.627***	-.091	.193***	.501***	.420***
Alcohol use (Y/N)	Y=711, N=65	776	.081	.188***	.193***	1.14	1.99	2.18	.098***
Marijuana use (Y/N)	Y=503, N=273	776	.030	.285***	.258***	OR	3.14	7.28	8.87
						OR	1.29	10.05	3.82
YASR Social competency ^b	48.98(7.37)	392	.256***	-.238***	-.236***	.265***	-.176	-.120	.138***
YASR Internalizing ^b	46.28(10.84)	392	-.163**	.205***	.204***	-.170**	.144	.109	.079***
YASR Externalizing ^b	48.14(10.63)	392	-.077	.276***	.346***	-.080	.098	.282***	.131***
Self-reported violence	1.69(2.06)	476	.131**	.467***	.404***	.113**	.342***	.183**	.249***
ASPD symptom count	.81(1.29)	488	.009	.421***	.443***	-.001	.231***	.294***	.227***

Note. DI = Dysregulation Inventory. DUSI = Drug Use Screening Inventory (number of uses in the past year). ABS = Absolute Problem Density Profile. YASR = Young Adult Self-Report. ASPD = Antisocial Personality Disorder. For ease of readability, only significant regression coefficients (β) are displayed. $M(SD)$ = Means and standard deviations for the criterion variables in all available cases. n = valid cases for the analyses involving the MPQ-triarchic scales.

^a B coefficients based on logistic regression analyses are reported for Alcohol and Marijuana use (Y/N), with corresponding Nagelkerke's R^2 (R^2_N)

^b T-score (see Measures section)

* $p < .05$. ** $p < .01$. *** $p < .001$.

Supplemental Table 5

Construct validity analyses for the MPQ-based triarchic psychopathy scales at time point 6 ($M_{age} = 24.89$, $SD = .32$).

Construct	$M(SD)$	n	Correlations (r)			Regressions (β)			R^2
			Boldness	Meanness	Disinhibition	Boldness	Meanness	Disinhibition	
DI affective	15.30(11.14)	388	-.107	.131	.235***	-.123	-.010	.250***	.071***
DI behavioral	19.28(13.16)	388	-.007	.158**	.243***	-.010	.015	.235***	.059***
DI cognitive	24.88(10.25)	388	-.119**	.183***	.304***	-.141**	.007	.310***	.112***
YASR Social competency	48.27(7.84)	220	.079	-.177**	-.214**	.099	-.082	-.171	.059**
YASR Internalizing	45.92(11.01)	220	-.103	.213**	.276***	-.128	.081	.236***	.095***
YASR Externalizing	47.40(9.25)	220	.055	.199**	.330***	.033	-.009	.334***	.110***
Self-reported violence	1.69(2.06)	395	.191***	.367***	.337***	.154**	.242***	.178**	.178***
ASPD symptom count	.82(1.23)	469	.017	.484***	.412***	-.033	.375***	.184***	.257***

Note. DI = Dysregulation Inventory. YASR = Young Adult Self-Report. ASPD = Antisocial Personality Disorder. For ease of readability, only significant regression coefficients (β) are displayed. $M(SD)$ = Means and standard deviations for the criterion variables in all available cases. n = valid cases for the analyses involving the MPQ-triarchic scales.

** $p < .01$. *** $p < .001$.