

Supplementary Table S1

Background Information of Participants Rated in the Study

<u>Background</u>	<u>Frequency (%)</u>
Number of children rated	1407
Rated by mothers	1122 (79.7%)
Rated by fathers	225 (16%)
Others (including mothers & father)	60 (4.3%)
Age	
Range	5 years to 13 years
Mean age (<i>SD</i>)	
Boy	9.80 years (1.79)
Girl	9.83 years (1.81)
Sex	
Girl	616 (43.8%)
Boy	791 (56.2%)
Ethnicity (Total sample)	
Malay	736 (52.3%)
Chinese	381 (27.1%)
Indian	226 (16.1%)
Others	17 (1.2%)
No information	47 (3.3%)
Father's occupation	
Skilled/semi-skilled (e.g., technicians)	25%
Service-related (in shops and markets)	40%
Professionals (e.g., teachers, nurses, doctors)	10%
Others categories	25%

Supplementary Table S2

Fit Values of the 1- to 6-Factor Models Tested in the EFA

Models	WLSMV χ^2	df	RMSEA (90% CI)	CFI	TLI
One-factor	1227.120	275	0.069 (.065 - .0738)	.711	.684
Two-factor	512.542	251	0.038 (.0335 - .043)	.921	.905
Three-factor	377.523	228	0.030 (.025 - .035)	.955	.940
Four-factor	279.552	206	0.022 (.0151 - .028)	.978	.967
Five-factor	215.907	185	0.015 (.000-.023)	.981	.985
Six-factor	181.508	165	0.012 (.000-.021)	.995	.991

Note. WLSMV χ^2 = robust weighted least squares; RMSEA= root mean square error of

approximation; CFI= comparative fit index; TLI = Tucker-Lewis Index. All MLR χ^2 values

were significant ($p < .001$).

Supplementary Table S3.

Standardized Factor Loadings in the 2-, 3-, 4-, 5-, and 6-Factor EFA Models

	2-Factor		3-Factor			4-Factor				5-Factor					6-Factor					
	1	2	1	2	3	1	2	3	4	1	2	3	4	5	1	2	3	4	5	6
S1	.61	-.23	.59	-.22	-.19	.59	-.16	-.22	-.18	.60	-.09	-.21	-.25	-.20	.59	-.05	-.26	-.34	.03	.08
S4	.47	-.17	.49	-.23	.03	.49	-.18	-.01	-.19	.49	-.09	.01	-.23	-.21	.55	-.10	.00	-.13	-.08	-.25
S9	.56	-.09	.61	-.17	.09	.62	-.12	.07	-.10	.63	-.04	.07	-.13	-.20	.62	-.02	.02	-.18	-.03	.07
S17	.59	-.17	.61	-.22	-.01	.60	-.14	-.05	-.28	.56	.07	-.11	-.22	-.43	.58	.08	-.15	-.24	-.34	-.05
S20	.72	-.18	.72	-.19	-.17	.73	-.13	-.19	-.09	.76	-.09	-.18	-.17	-.17	.75	-.05	-.24	-.28	.10	.17
H2	-.15	.31	-.11	.26	.21	-.06	.20	.28	.49	-.07	.10	.22	.52	.12	-.09	.09	.23	.35	.03	.46
H10	-.26	.63	-.20	.59	.24	-.19	.57	.32	.25	-.21	.55	.23	.42	.34	-.24	.54	.24	.44	.16	.22
H15	-.30	.44	-.20	.30	.59	-.18	.27	.61	.13	-.20	.29	.58	.26	.18	-.20	.26	.59	.28	.05	.10
H21R	-.61	.27	-.57	.17	.44	-.56	.11	.45	.13	-.56	.05	.49	.18	.23	-.54	.01	.52	.25	.06	-.08
H25	-.61	.27	-.56	.14	.53	-.55	.07	.54	.18	-.56	.02	.55	.25	.15	-.54	-.02	.58	.26	-.02	.01
E3	.02	.40	.04	.41	-.02	.04	.43	.04	.08	.04	.41	-.01	.15	.30	.01	.43	-.01	.19	.25	.13
E8	.00	.55	.03	.58	-.01	.01	.65	.04	-.04	-.02	.71	-.07	.13	.33	-.05	.71	-.05	.29	.19	-.01

	2-Factor		3-Factor			4-Factor				5-Factor					6-Factor					
	1	2	1	2	3	1	2	3	4	1	2	3	4	5	1	2	3	4	5	6
E13	-.25	.65	-.23	.72	-.05	-.22	.70	.05	.32	-.22	.60	-.03	.44	.53	-.25	.59	.00	.58	.32	.09
E16	-.18	.53	-.09	.43	.43	-.10	.47	.51	-.10	-.12	.54	.46	.08	.27	-.12	.52	.46	.22	.16	-.04
E24	-.08	.57	-.04	.53	.18	-.03	.54	.25	.17	-.04	.52	.18	.31	.33	-.06	.51	.18	.40	.18	.10
C5	-.23	.47	-.20	.46	.15	-.16	.41	.22	.51	-.17	.29	.14	.62	.27	-.18	.26	.17	.61	.05	.27
C7R	-.49	.20	-.49	.19	.13	-.47	.11	.17	.36	-.45	-.04	.18	.34	.26	-.44	-.09	.22	.43	.08	-.03
C12	-.44	.50	-.44	.55	.02	-.42	.48	.10	.46	-.38	.28	.09	.47	.54	-.40	.26	.12	.58	.34	.07
C18	-.39	.56	-.35	.53	.24	-.33	.47	.31	.36	-.27	.30	.34	.39	.57	-.28	.27	.37	.57	.40	-.02
C22	-.19	.58	-.18	.61	-.05	-.17	.60	.04	.30	-.09	.42	.05	.28	.68	-.13	.42	.06	.50	.56	-.04
P6	-.19	.31	-.18	.34	.00	-.19	.35	.05	.02	-.19	.32	.02	.09	.28	-.21	.32	.04	.19	.18	-.03
P11R	-.31	.04	-.33	.10	-.11	-.33	.06	-.08	.16	-.27	-.11	.00	.05	.35	-.29	-.11	.01	.07	.38	.02
P14R	-.61	.32	-.60	.35	.10	-.61	.30	.15	.13	-.59	.19	.18	.15	.44	-.62	.18	.22	.22	.31	.00
P19	-.08	.39	-.05	.39	.06	-.05	.40	.11	.06	.00	.34	.14	.05	.49	-.02	.34	.14	.25	.46	-.10
P23	.23	.03	.23	.03	-.06	.26	.03	-.05	.19	.26	.00	-.08	.17	-.04	.24	.02	-.10	-.02	.04	.37
# salient loadings	9	9	9	8	2	10	8	4	3	9	5	2	3	4	7	5	2	3	2	1

	2-Factor		3-Factor			4-Factor				5-Factor					6-Factor					
	1	2	1	2	3	1	2	3	4	1	2	3	4	5	1	2	3	4	5	6
# salient loadings																				
without cross-loading items	9	9	8	8	1	7	6	1	2	9	4	1	2	3	7	5	2	3	2	1
Does the factor model meet all criteria?	Yes		No			No				No					No					

Note. Figures bold are items with salient factor loadings meeting a priori conditions for acceptability.

Supplementary Table S4

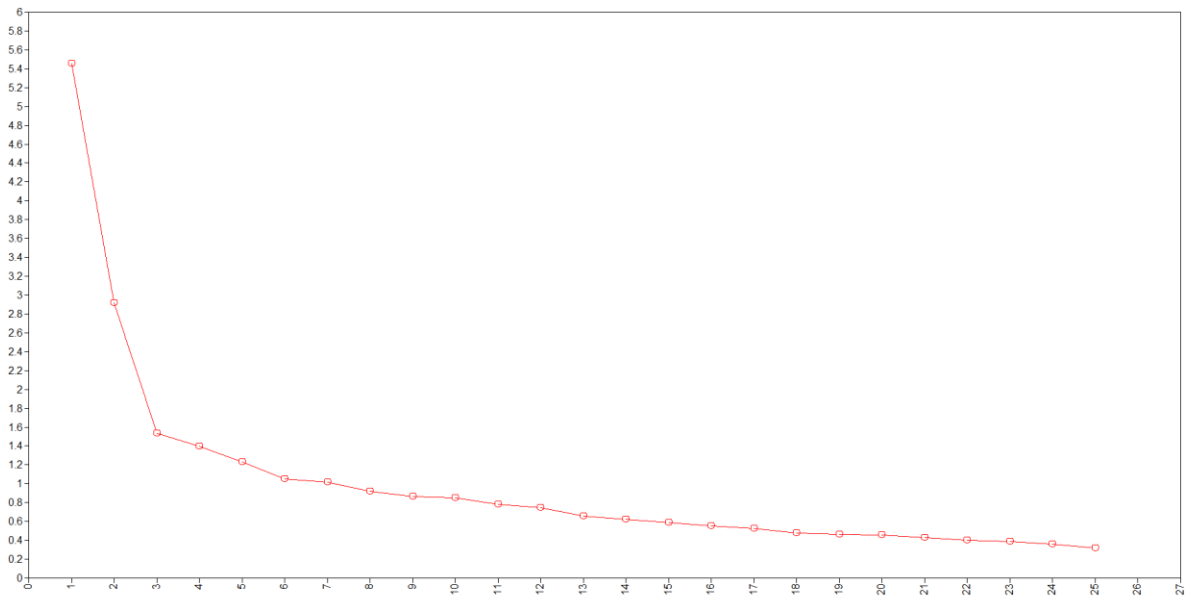
Standardized Loadings from the EFA of the SDQ in the Calibration Sample for the 2-Factor Model

Item #	Brief description	Sample					
		Calibration		Validation		Calibration	
		Mean	SD	Mean	SD	Factor 1	Factor 2
S1	Considerate	1.51	.56	1.49	.56	0.597	-0.028
S4	Share	1.46	.61	1.48	.62	0.466	-0.016
S9	Helpful	1.45	.62	1.45	.62	0.602	0.111
S17	Kind	1.65	.55	1.65	.55	0.606	0.039
S20	Volunteer	1.50	.58	1.48	.57	0.746	0.069
H2	Restless	.77	.75	.76	.74	-0.051	0.294
H10	Fidget	.40	.58	.42	.59	-0.047	0.614
H15	Distracted	.77	.66	.79	.66	-0.164	0.386
H21R	Impulsive(R)	.72	.58	.73	.58	-0.588	0.065
H25R	Inattention(R)	.65	.63	.65	.64	-0.580	0.073
E3	Aches	.42	.62	.43	.63	0.175	0.456
E8	Worries	.42	.60	.45	.60	0.214	0.625
E13	Unhappy	.23	.49	.23	.48	-0.025	0.646
E16	Nervous	.55	.60	.59	.62	0.002	0.530
E24	Fears	.62	.67	.65	.69	0.124	0.613
C5	Restless	.77	.70	.80	.69	-0.082	0.445
C7R	Fidget	.60	.61	.61	.61	-0.481	0.031
C12	Temper	.17	.44	.19	.46	-0.309	0.398
C18	Disobey (R)	.26	.49	.28	.50	-0.230	0.477

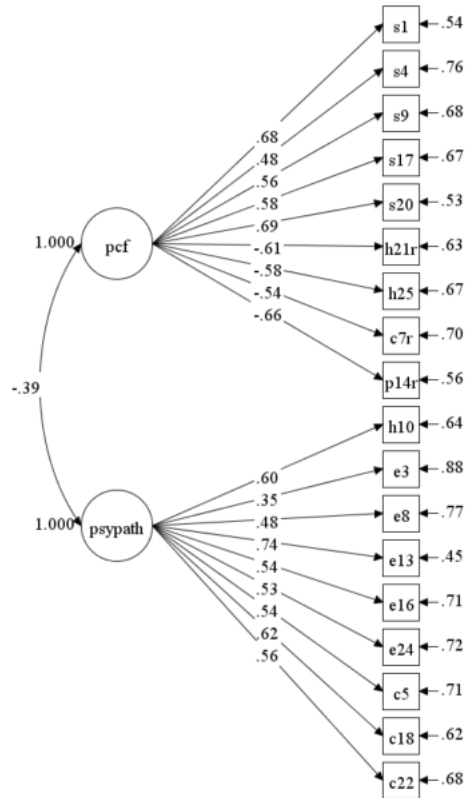
C22	Fight	.06	.30	.06	.29	0.002	0.575
P6	Considerate	.33	.58	.34	.57	-0.092	0.282
P11R	Share	.35	.66	.36	.64	-0.330	-0.071
P14R	Helpful	.38	.54	.39	.55	-0.564	0.127
P19	Kind	.37	.58	.39	.58	0.065	0.412
P23	Volunteer	1.03	.71	1.02	.71	0.271	0.120

Note. Column 1 shows the item number and the allocated scales in the initially proposed 5-factor model for the SDQ. Items underlined are salient items ($\geq .45$). The loadings for the validation sample for this model are shown in Supplementary table S3.

S = Prosocial, H = hyperactivity-inattention, E = emotional symptoms, C = conduct problems, P = peer problems.



Supplementary Figure S1. Scree plot produced by *Mplus* for the PCA of the SDQ items for the calibration sample.



Supplementary Figure S2. Completely standardized estimates from the CFA for the 2-factor model for the ratings of all participants together.