

Supplementary Materials

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Table S1. Comparison of characteristics between respondent and non-respondent participants

Characteristics	Participants included	Participants excluded	Total	<i>P</i> value
Residential area (<i>n</i> , %)				
Qidong County	454 (25.6)	2 (40.0)	456 (25.7)	0.581
Guangming District	243 (13.7)	0 (0.0)	243 (13.7)	
Zhongshan	1074 (60.6)	3 (60.0)	1077 (60.6)	
School type				
Public	737 (41.6)	1 (20.0)	738 (41.6)	0.327
Private	1034 (58.4)	4 (80.0)	1038 (58.4)	
Sex (<i>n</i> , %)				
Male	994 (56.1)	4 (80.0)	998 (56.2)	0.283
Female	777 (43.9)	1 (20.0)	778 (43.8)	
Age, y (mean, SD)	12.93 ± 0.62	12.90 ± 0.45	12.93 ± 0.62	0.987

Table S2. Childhood adversity statistics

	Mean	SD	Median	Mode	Range
Childhood adversity	3.50	1.89	3.50	2	1–10

Table S3. Frequency and Prevalence of 8 Types of NSSI

Type of NSSI	Frequency of NSSI (<i>n</i> , %)	
	<3 episodes	≥3 episodes
Hitting	60 (23.0)	201 (77.0)
Hair-pulling	29 (21.3)	107 (78.7)
Headbanging	15 (13.8)	94 (86.2)
Pinching	59 (23.0)	198 (77.0)
Scratching	14 (10.9)	114 (89.1)
Biting	15 (13.3)	98 (86.7)
Burning	1 (6.3)	15 (93.8)
Cutting	21 (18.1)	95 (81.9)

Table S4. Logistic regression model of direct and indirect effects through mediators on NSSI and suicidality in males

Variable	OR (95%CI)					
	Total effect	Direct effect	Indirect effect, Combined	Indirect effect, through		
				Depression	Anxiety	
NSSI ^a						
Smoking	3.29 (1.01–10.80)	2.16 (0.63–7.39)	1.52 (1.16–2.01)	2.34 (0.67–8.17)	2.25 (0.93–5.42)	
Parent–child separation	2.23 (1.30–3.86)	2.03 (1.20–3.46)	1.09 (1.01–1.20)	1.04 (0.99–1.11)	1.07 (1.01–1.15)	
Emotional abuse	1.36 (0.79–2.34)	0.96 (0.55–1.67)	1.42 (1.13–1.79)	1.15 (0.99–1.34)	1.32 (1.13–1.55)	
Physical abuse	1.82 (1.11–3.00)	1.34 (0.84–2.12)	1.36 (1.11–1.68)	1.15 (0.99–1.32)	1.27 (1.06–1.51)	
Being bullied	2.10 (1.45–3.00)	1.51 (1.06–2.12)	1.39 (1.14–1.72)	1.14 (0.99–1.31)	1.31 (1.12–1.54)	
SI ^a						
Smoking	4.85 (1.48–15.80)	3.42 (0.95–12.18)	1.42 (1.05–1.92)	1.34 (1.07–1.68)	1.17 (0.98–1.40)	
Parent–child separation	1.77 (1.13–2.75)	1.63 (1.05–2.53)	1.08 (1.01–1.17)	1.07 (1.01–1.14)	1.03 (0.99–1.07)	
Emotional abuse	1.93 (1.34–2.83)	1.48 (1.01–2.20)	1.31 (1.13–1.52)	1.25 (1.09–1.42)	1.13 (1.01–1.27)	
Physical abuse	1.75 (1.11–2.75)	1.35 (0.87–2.10)	1.30 (1.09–1.52)	1.23 (1.03–1.49)	1.11 (0.99–1.23)	
Emotional neglect	1.75 (1.11–2.77)	1.42 (0.91–2.20)	1.23 (1.07–1.40)	1.20 (1.05–1.35)	1.07 (0.99–1.16)	
Being bullied	2.56 (1.73–3.78)	1.99 (1.38–2.89)	1.28 (1.09–1.52)	1.22 (1.05–1.42)	1.13 (0.98–1.30)	
SA ^a						
Smoking	11.47 (3.94–33.45)	6.05 (1.90–19.11)	1.90 (1.28–2.83)	1.46 (0.99–2.16)	1.55 (1.16–2.10)	
Emotional abuse	4.53 (1.93–10.70)	2.59 (1.15–5.87)	1.75 (1.27–2.41)	1.35 (1.01–1.80)	1.46 (1.11–1.93)	
Being bullied	2.66 (1.35–5.21)	1.57 (0.76–3.22)	1.70 (1.23–2.32)	1.32 (1.03–1.70)	1.43	

a. Adjusted for regional areas, school type, ethnicity, single child, caregiver's educational level, parenting style, puberty, social support, and emotional management ability.

Table S5. Logistic regression model of direct and indirect effects through mediators on NSSI and suicidality in females

Variable	OR (95%CI)				
	Total effect	Direct effect	Indirect effect, Combined	Indirect effect, through Depression	Anxiety
NSSI ^a					
Smoking	1.16 (0.25–5.26)	0.73 (0.20–2.69)	1.60 (1.00–2.53)	1.08 (0.78–1.51)	1.63 (1.21–2.25)
Parent–child separation	1.58 (0.99–2.53)	1.30 (0.80–2.10)	1.22 (1.09–1.36)	1.12 (1.01–1.23)	1.16 (1.05–1.28)
Emotional abuse	2.83 (1.88–4.26)	1.54 (1.03–2.29)	1.84 (1.45–2.34)	1.40 (1.17–1.67)	1.57 (1.25–1.97)
Physical abuse	3.32 (1.79–3.06)	1.52 (1.19–1.95)	1.54 (1.30–1.82)	1.26 (1.07–1.48)	1.40 (1.21–1.63)
Being bullied	2.44 (1.58–3.74)	1.46 (0.94–2.25)	1.67 (1.36–2.05)	1.31 (1.07–1.60)	1.49 (1.23–1.79)
SI ^a					
Smoking	1.63 (0.35–7.46)	1.13 (0.30–4.31)	1.45 (0.99–2.12)	1.08 (0.76–1.52)	1.49 (1.13–1.95)
Parent–child separation	1.35 (0.93–1.95)	1.14 (0.79–1.65)	1.19 (1.09–1.27)	1.12 (1.04–1.20)	1.12 (1.04–1.19)
Emotional abuse	2.12 (1.39–3.25)	1.27 (0.86–1.88)	1.67 (1.34–2.08)	1.39 (1.17–1.65)	1.38 (1.14–1.67)
Physical abuse	2.32 (1.38–3.94)	1.60 (0.95–2.69)	1.46 (1.20–1.79)	1.26 (1.07–1.49)	1.28 (1.07–1.54)
Emotional neglect	1.82 (1.20–2.75)	1.31 (0.89–1.93)	1.39 (1.21–1.60)	1.27 (1.09–1.48)	1.19 (1.08–1.31)
Being bullied	2.16 (1.43–3.29)	1.40 (0.97–2.03)	1.54 (1.26–1.90)	1.31 (1.09–1.57)	1.34 (1.16–1.52)
SA ^a					
Smoking	3.35 (0.65–17.29)	2.23 (0.39–12.94)	1.51 (0.80–2.80)	1.16(0.60–2.25)	1.63(1.21–2.23)
Emotional abuse	3.13 (1.72–5.64)	1.38 (0.79–2.39)	2.27 (1.63–3.16)	1.88(1.40–2.51)	1.57(1.23–1.99)
Being bullied	2.80 (1.68–4.66)	1.45 (0.96–2.18)	1.93 (1.49–2.51)	1.63(1.26–2.12)	1.48(0.98–2.36)

a. Adjusted for regional areas, school type, ethnicity, single child, caregiver’s educational level, parenting style, puberty, social support, and emotional management ability.

