

Supplementary Table 1 Baseline characteristics of the study participants

Characteristic	Participants			<i>P</i> value
	Total (<i>n</i> = 4433)	Without mental health symptoms ¹ (<i>n</i> = 4143)	With mental health symptoms ² (<i>n</i> = 290)	
Age, Mean ± SD	13.2 ± 2.7	13.1 ± 2.7	14.0 ± 2.5	< 0.001
Gender, n (%)				< 0.001
Male	2265 (51.1)	2150 (51.9)	115 (39.7)	
Female	2168 (48.9)	1993 (48.1)	175 (60.3)	
Province, n (%)				0.08
Shaanxi Province	3079 (69.5)	2881 (69.5)	198 (68.3)	
Shanxi Province	140 (3.2)	132 (3.2)	8 (2.8)	
Hebei Province	238 (5.4)	212 (5.1)	26 (9)	
Hubei Province	438 (9.9)	411 (9.9)	27 (9.3)	
Guangdong Province	538 (12.1)	507 (12.2)	31 (10.7)	
Residence, n (%)				0.04
Urban	2418 (54.5)	2243 (54.1)	175 (60.3)	
Rural/County seat	2015 (45.5)	1900 (45.9)	115 (39.7)	
Only child, n (%)				0.93
No	3281 (74.0)	3067 (74)	214 (73.8)	
Yes	1152 (26.0)	1076 (26)	76 (26.2)	
Left behind status, n (%)				0.675
Both parents at home	3341 (75.4)	3126 (75.5)	215 (74.1)	
Mother absent	146 (3.3)	133 (3.2)	13 (4.5)	
Father absent	555 (12.5)	520 (12.6)	35 (12.1)	
Both parents absent	391 (8.8)	364 (8.8)	27 (9.3)	
Parental marital status, n (%)				< 0.001
Not divorced	4060 (91.6)	3811 (92)	249 (85.9)	
Divorced	373 (8.4)	332 (8)	41 (14.1)	
Father's education, n (%)				0.164

Junior high school or below	1820 (41.1)	1688 (40.7)	132 (45.5)	0.108
High school / Secondary vocational	1292 (29.1)	1204 (29.1)	88 (30.3)	
Associate degree	549 (12.4)	525 (12.7)	24 (8.3)	
Bachelor's degree	672 (15.2)	633 (15.3)	39 (13.4)	
Master's degree or above	100 (2.3)	93 (2.2)	7 (2.4)	
Mother's education, n (%)				
Junior high school or below	1916 (43.2)	1777 (42.9)	139 (47.9)	< 0.001
High school / Secondary vocational	1256 (28.3)	1170 (28.2)	86 (29.7)	
Associate degree	553 (12.5)	519 (12.5)	34 (11.7)	
Bachelor's degree	618 (13.9)	592 (14.3)	26 (9)	
Master's degree or above	90 (2.0)	85 (2.1)	5 (1.7)	
Family income, n (%)				
Very ample	239 (5.4)	226 (5.5)	13 (4.5)	< 0.001
Moderate	3159 (71.3)	2984 (72)	175 (60.3)	
Below average	763 (17.2)	697 (16.8)	66 (22.8)	
Difficult	272 (6.1)	236 (5.7)	36 (12.4)	
Grade, n (%)				
Grade 4	444 (10.0)	430 (10.4)	14 (4.8)	< 0.001
Grade 5	623 (14.1)	601 (14.5)	22 (7.6)	
Grade 6	565 (12.7)	536 (12.9)	29 (10)	
Grade 7	368 (8.3)	342 (8.3)	26 (9)	
Grade 8	443 (10.0)	419 (10.1)	24 (8.3)	
Grade 9	362 (8.2)	336 (8.1)	26 (9)	
Grade 10	520 (11.7)	463 (11.2)	57 (19.7)	
Grade 11	596 (13.4)	552 (13.3)	44 (15.2)	
Grade 12	512 (11.5)	464 (11.2)	48 (16.6)	
Behavior, Mean $\pm$ SD	12.8 $\pm$ 3.0	13.1 $\pm$ 2.8	8.6 $\pm$ 3.4	< 0.001

Intellectual and School Status, Mean $\pm$ SD	9.1 $\pm$ 3.3	9.3 $\pm$ 3.2	5.9 $\pm$ 3.0	< 0.001
Physical appearance and attributes, Mean $\pm$ SD	5.7 $\pm$ 2.7	5.8 $\pm$ 2.6	3.5 $\pm$ 2.4	< 0.001
Anxiety, Mean $\pm$ SD	7.4 $\pm$ 3.0	7.7 $\pm$ 2.8	2.9 $\pm$ 2.1	< 0.001
Popularity, Mean $\pm$ SD	6.3 $\pm$ 1.5	6.4 $\pm$ 1.4	4.4 $\pm$ 1.9	< 0.001
Happiness and satisfaction, Mean $\pm$ SD	3.2 $\pm$ 1.1	3.3 $\pm$ 1.0	2.1 $\pm$ 1.4	< 0.001
PHCSS total score, Mean $\pm$ SD	44.5 $\pm$ 11.2	45.7 $\pm$ 10.3	27.3 $\pm$ 10.1	< 0.001
Problem solving, Mean $\pm$ SD	12.7 $\pm$ 3.8	12.7 $\pm$ 3.8	13.3 $\pm$ 3.6	0.006
Communication, Mean $\pm$ SD	20.4 $\pm$ 3.8	20.2 $\pm$ 3.7	22.8 $\pm$ 3.7	< 0.001
Roles, Mean $\pm$ SD	24.0 $\pm$ 4.4	23.8 $\pm$ 4.4	26.6 $\pm$ 3.9	< 0.001
Affective responsiveness, Mean $\pm$ SD	11.4 $\pm$ 2.5	11.3 $\pm$ 2.4	13.0 $\pm$ 2.8	< 0.001
Affective involvement, Mean $\pm$ SD	15.8 $\pm$ 4.2	15.6 $\pm$ 4.2	18.0 $\pm$ 4.1	< 0.001
Behavioral control, Mean $\pm$ SD	20.8 $\pm$ 3.0	20.7 $\pm$ 3.0	22.0 $\pm$ 2.9	< 0.001
General functioning, Mean $\pm$ SD	25.1 $\pm$ 5.3	24.9 $\pm$ 5.2	28.5 $\pm$ 5.0	< 0.001
Paternal Emotional Warmth, Mean $\pm$ SD	49.9 $\pm$ 11.1	50.4 $\pm$ 11.0	42.2 $\pm$ 10.5	< 0.001
Paternal Punishment and Severity, Mean $\pm$ SD	16.3 $\pm$ 5.5	16.0 $\pm$ 5.1	20.9 $\pm$ 7.8	< 0.001
Paternal Overinvolvement, Mean $\pm$ SD	18.5 $\pm$ 4.5	18.3 $\pm$ 4.3	22.0 $\pm$ 5.9	< 0.001
Paternal Preference for the Child, Mean $\pm$ SD	6.8 $\pm$ 4.2	6.8 $\pm$ 4.2	6.6 $\pm$ 4.2	0.408
Paternal Rejection and Denial, Mean $\pm$ SD	8.7 $\pm$ 3.0	8.6 $\pm$ 2.8	11.4 $\pm$ 3.9	< 0.001

Paternal Overprotection, Mean $\pm$ SD	9.4 $\pm$ 2.6	9.2 $\pm$ 2.5	11.3 $\pm$ 2.9	< 0.001
Maternal Emotional Warmth, Mean $\pm$ SD	54.6 $\pm$ 11.1	55.1 $\pm$ 11.0	48.0 $\pm$ 10.6	< 0.001
Maternal Over interference and Over protection, Mean $\pm$ SD	32.0 $\pm$ 7.4	31.5 $\pm$ 7.1	38.1 $\pm$ 9.3	< 0.001
Maternal Rejection and Denial, Mean $\pm$ SD	12.0 $\pm$ 4.3	11.7 $\pm$ 4.0	15.9 $\pm$ 5.6	< 0.001
Maternal Punishment and Severity, Mean $\pm$ SD	12.0 $\pm$ 4.1	11.8 $\pm$ 3.9	15.3 $\pm$ 5.4	< 0.001
Maternal Preference for the Child, Mean $\pm$ SD	7.0 $\pm$ 4.3	7.0 $\pm$ 4.3	6.8 $\pm$ 4.2	0.449

¹Participants with total MHT scores < 65 were classified as without mental health symptoms.

²Participants with MHT scores $\geq$ 65 were classified as having mental health symptoms.

MHT: Mental Health Test; PHCSS: Piers-Harris Children's Self-Concept Scale.

**Supplementary Table 2 Baseline characteristics of the study sample by
Mental Health Test validity status**

Characteristic	Participants ¹			<i>P</i> value
	Total (n = 5621)	Exclude (n = 1188)	Include (n = 4433)	
Gender, n (%)				0.571
Male	2883 (51.3)	618 (52)	2265 (51.1)	
Female	2738 (48.7)	570 (48)	2168 (48.9)	
Age, Mean ± SD	13.2 ± 2.7	13.2 ± 2.6	13.2 ± 2.7	0.858
Grade, n (%)				0.271
Grade 4	564 (10.0)	120 (10.1)	444 (10)	
Grade 5	772 (13.7)	149 (12.5)	623 (14.1)	
Grade 6	723 (12.9)	158 (13.3)	565 (12.7)	
Grade 7	463 (8.2)	95 (8)	368 (8.3)	
Grade 8	576 (10.2)	133 (11.2)	443 (10)	
Grade 9	463 (8.2)	101 (8.5)	362 (8.2)	
Grade 10	686 (12.2)	166 (14)	520 (11.7)	
Grade 11	736 (13.1)	140 (11.8)	596 (13.4)	
Grade 12	638 (11.4)	126 (10.6)	512 (11.5)	
Province, n (%)				0.069
Shaanxi Province	3933 (70.0)	854 (71.9)	3079 (69.5)	
Shanxi Province	185 (3.3)	45 (3.8)	140 (3.2)	
Hebei Province	309 (5.5)	71 (6)	238 (5.4)	
Hubei Province	540 (9.6)	102 (8.6)	438 (9.9)	
Guangdong Province	654 (11.6)	116 (9.8)	538 (12.1)	
Residence, n (%)				0.12
Urban	3096 (55.1)	678 (57.1)	2418 (54.5)	
Rural/County seat	2525 (44.9)	510 (42.9)	2015 (45.5)	
Only child, n (%)				0.472

No	4148 (73.8)	867 (73)	3281 (74)	
Yes	1473 (26.2)	321 (27)	1152 (26)	
Left behind status, n (%)				0.253
Both parents at home	4203 (74.8)	862 (72.6)	3341 (75.4)	
Mother absent	191 (3.4)	45 (3.8)	146 (3.3)	
Father absent	723 (12.9)	168 (14.1)	555 (12.5)	
Both parents absent	504 (9.0)	113 (9.5)	391 (8.8)	
Parental marital status, n (%)				0.083
Not divorced	5129 (91.2)	1069 (90)	4060 (91.6)	
Divorced	492 (8.8)	119 (10)	373 (8.4)	
Father's education, n (%)				0.086
Junior high school or below	2341 (41.6)	521 (43.9)	1820 (41.1)	
High school / Secondary vocational	1610 (28.6)	318 (26.8)	1292 (29.1)	
Associate degree	700 (12.5)	151 (12.7)	549 (12.4)	
Bachelor's degree	833 (14.8)	161 (13.6)	672 (15.2)	
Master's degree or above	137 (2.4)	37 (3.1)	100 (2.3)	
Mother's education, n (%)				0.752
Junior high school or below	2411 (42.9)	495 (41.7)	1916 (43.2)	
High school / Secondary vocational	1599 (28.4)	343 (28.9)	1256 (28.3)	
Associate degree	697 (12.4)	144 (12.1)	553 (12.5)	
Bachelor's degree	796 (14.2)	178 (15)	618 (13.9)	
Master's degree or above	118 (2.1)	28 (2.4)	90 (2)	
Family income, n (%)				0.024
Very ample	327 (5.8)	88 (7.4)	239 (5.4)	
Moderate	3962 (70.5)	803 (67.6)	3159 (71.3)	
Below average	981 (17.5)	218 (18.4)	763 (17.2)	
Difficult	351 (6.2)	79 (6.6)	272 (6.1)	
Paternal Emotional Warmth, Mean $\pm$ SD	49.7 $\pm$ 11.3	49.2 $\pm$ 11.9	49.9 $\pm$ 11.1	0.055

Paternal Punishment and Severity, Mean $\pm$ SD	16.7 $\pm$ 5.8	17.9 $\pm$ 6.6	16.3 $\pm$ 5.5	< 0.001
Paternal Overinvolvement, Mean $\pm$ SD	18.7 $\pm$ 4.6	19.6 $\pm$ 4.9	18.5 $\pm$ 4.5	< 0.001
Paternal Preference for the Child, Mean $\pm$ SD	6.9 $\pm$ 4.3	7.4 $\pm$ 4.5	6.8 $\pm$ 4.2	< 0.001
Paternal Rejection and Denial, Mean $\pm$ SD	8.9 $\pm$ 3.1	9.6 $\pm$ 3.6	8.7 $\pm$ 3.0	< 0.001
Paternal Overprotection, Mean $\pm$ SD	9.5 $\pm$ 2.6	10.2 $\pm$ 2.8	9.4 $\pm$ 2.6	< 0.001
Maternal Emotional Warmth, Mean $\pm$ SD	54.4 $\pm$ 11.3	53.8 $\pm$ 12.0	54.6 $\pm$ 11.1	0.026
Maternal Over interference and Over protection, Mean $\pm$ SD	32.5 $\pm$ 7.6	34.5 $\pm$ 8.1	32.0 $\pm$ 7.4	< 0.001
Maternal Rejection and Denial, Mean $\pm$ SD	12.3 $\pm$ 4.5	13.5 $\pm$ 5.0	12.0 $\pm$ 4.3	< 0.001
Maternal Punishment and Severity, Mean $\pm$ SD	12.3 $\pm$ 4.4	13.5 $\pm$ 5.1	12.0 $\pm$ 4.1	< 0.001
Maternal Preference for the Child, Mean $\pm$ SD	7.1 $\pm$ 4.3	7.6 $\pm$ 4.6	7.0 $\pm$ 4.3	< 0.001
Problem solving, Mean $\pm$ SD	12.6 $\pm$ 3.8	12.1 $\pm$ 3.8	12.7 $\pm$ 3.8	< 0.001
Communication, Mean $\pm$ SD	20.4 $\pm$ 3.8	20.5 $\pm$ 3.7	20.4 $\pm$ 3.8	0.197
Roles, Mean $\pm$ SD	24.2 $\pm$ 4.6	25.1 $\pm$ 4.9	24.0 $\pm$ 4.4	< 0.001
Affective responsiveness, Mean $\pm$ SD	11.5 $\pm$ 2.5	11.6 $\pm$ 2.6	11.4 $\pm$ 2.5	0.009
Affective involvement, Mean $\pm$ SD	16.1 $\pm$ 4.4	17.1 $\pm$ 4.9	15.8 $\pm$ 4.2	< 0.001
Behavioral control, Mean $\pm$ SD	21.0 $\pm$ 3.1	21.6 $\pm$ 3.3	20.8 $\pm$ 3.0	< 0.001
General functioning, Mean $\pm$ SD	25.3 $\pm$ 5.3	25.9 $\pm$ 5.4	25.1 $\pm$ 5.3	< 0.001
Learning Anxiety, Mean $\pm$ SD	8.5 $\pm$ 4.3	10.7 $\pm$ 3.7	7.9 $\pm$ 4.2	< 0.001
Interpersonal Anxiety, Median (IQR)	4.0 (2.0, 7.0)	6.0 (4.0, 9.0)	4.0 (1.0, 6.0)	< 0.001
Loneliness Tendency, Median (IQR)	2.0 (1.0, 5.0)	4.0 (2.0, 7.0)	2.0 (1.0, 4.0)	< 0.001
Self-blame Tendency, Median (IQR)	4.0 (1.0, 7.0)	7.0 (4.0, 9.0)	4.0 (1.0, 6.0)	< 0.001
Sensitivity Tendency, Mean $\pm$ SD	5.4 $\pm$ 3.0	7.1 $\pm$ 2.4	4.9 $\pm$ 2.9	< 0.001
Somatic Symptoms, Median (IQR)	5.0 (2.0, 8.0)	8.0 (5.0, 11.0)	4.0 (1.0, 7.0)	< 0.001
Phobic Tendency, Median (IQR)	2.0 (0.0, 5.0)	5.0 (2.0, 8.0)	1.0 (0.0, 4.0)	< 0.001

Impulsive Tendency, Median (IQR)	2.0 (0.0, 5.0)	5.0 (2.0, 8.0)	1.0 (0.0, 4.0)	< 0.001
Validity Scale, Mean $\pm$ SD	4.8 $\pm$ 2.3	7.9 $\pm$ 1.1	4.0 $\pm$ 1.8	< 0.001
MHT total score, Mean $\pm$ SD	36.9 $\pm$ 21.6	52.7 $\pm$ 20.7	32.7 $\pm$ 19.8	< 0.001
Behavior, Mean $\pm$ SD	12.5 $\pm$ 3.2	11.5 $\pm$ 3.5	12.8 $\pm$ 3.0	< 0.001
Intellectual and School Status, Mean $\pm$ SD	9.0 $\pm$ 3.3	8.7 $\pm$ 3.2	9.1 $\pm$ 3.3	< 0.001
Physical appearance and attributes, Mean $\pm$ SD	5.7 $\pm$ 2.6	5.8 $\pm$ 2.6	5.7 $\pm$ 2.7	0.061
Anxiety, Mean $\pm$ SD	7.0 $\pm$ 3.0	5.6 $\pm$ 2.9	7.4 $\pm$ 3.0	< 0.001
Popularity, Mean $\pm$ SD	6.1 $\pm$ 1.6	5.4 $\pm$ 1.9	6.3 $\pm$ 1.5	< 0.001
Happiness and satisfaction, Mean $\pm$ SD	3.2 $\pm$ 1.1	3.2 $\pm$ 1.1	3.2 $\pm$ 1.1	0.505
PHCSS total score, Mean $\pm$ SD	43.5 $\pm$ 11.4	40.2 $\pm$ 11.4	44.5 $\pm$ 11.2	< 0.001

¹Participants were classified as excluded if they scored ≥ 7 on the MHT validity scale, indicating invalid response patterns, and included if they scored < 7.

Supplementary Table 3 Stratified analyses assessing the effect of parental favoritism and mental health symptoms.

Variable	Subgroup	Total	Event	Crude model		Adjusted model ¹		<i>P</i> for interaction
				OR (95%CI)	<i>P</i> value	OR (95%CI)	<i>P</i> value	
Paternal Preference for the Child	Only child							0.579
	No	3281	214 (6.5)	0.99 (0.94-1.03)	0.586	0.98 (0.93-1.02)	0.321	
	Yes	1152	76 (6.6)	0.93 (0.82-1.04)	0.218	0.92 (0.81-1.04)	0.193	
Maternal Preference for the Child	No	3281	214 (6.5)	0.99 (0.95-1.03)	0.627	0.98 (0.93-1.02)	0.346	0.655
	Yes	1152	76(6.6)	0.94 (0.84-1.05)	0.262	0.93 (0.83-1.04)	0.221	

¹Adjusted for age, gender, province, residence, only child, left behind status, parental marital status, father's education, mother's education, family income.

OR: Odds ratio; CI: Confidence interval.

Supplementary Table 4 Association of parental favoritism and mental health symptoms

Variable	Total	Event	Crude model		Adjusted model ¹	
			OR (95%CI)	<i>P</i> value	OR (95%CI)	<i>P</i> value
Paternal Preference for the Child	4433	290	0.99 (0.96-1.02)	0.408	1 (0.91-1.09)	0.934
Maternal Preference for the Child	4433	290	0.99 (0.96-1.02)	0.453	0.97 (0.88-1.06)	0.472

¹Adjusted for age, gender, province, residence, only child, left behind status, parental marital status, father's education, mother's education, family income. Paternal Emotional Warmth, Paternal Punishment and Severity, Paternal Over involvement, Paternal Rejection and Denial, Paternal Over protection, Maternal Emotional Warmth, Maternal Over interference and Over protection, Maternal Rejection and Denial, Maternal Punishment and Severity.

OR: Odds ratio; CI: Confidence interval.

Supplementary Table 5 Mediating effect and proportions of children's self-concept between Parental rearing style and mental health symptoms.

Parental rearing style		Indirect effect	95% CI	Mediation proportions	95% CI	P value
Paternal Emotional Warmth	Crude model	-0.0151	-0.0161, -0.0135	1.1861	0.9923, 1.4576	<0.001
	Adjusted model ¹	-0.0131	-0.0145, -0.0111	1.2148	0.9871, 1.5357	<0.001
Paternal Punishment and Severity	Crude model	7e-04	5e-04, 0.001	0.8562	0.7521, 0.9846	<0.001
	Adjusted model ¹	7e-04	5e-04, 0.001	0.8489	0.7313, 0.9827	<0.001
Paternal Over involvement	Crude model	4e-04	2e-04, 6e-04	0.7337	0.6146, 0.8696	<0.001
	Adjusted model ¹	4e-04	2e-04, 6e-04	0.7113	0.5908, 0.8605	<0.001
Paternal Preference for the Child	Crude model	0	-5.00E-04, 5e-04	0.0595	-3.7179, 2.7421	0.79
	Adjusted model ¹	-4.00E-04	-0.0012, 3e-04	1.5402	-3.6046, 6.8556	0.676
Paternal Rejection and Denial	Crude model	0.0012	8e-04, 0.0017	0.8365	0.7303, 0.9607	<0.001
	Adjusted model ¹	0.0013	8e-04, 0.0018	0.8196	0.707, 0.9509	<0.001
Paternal Over protection	Crude model	7e-04	4e-04, 0.0011	0.5938	0.5071, 0.7216	<0.001
	Adjusted model ¹	7e-04	4e-04, 0.0011	0.5624	0.4729, 0.6815	<0.001
Maternal Emotional Warmth	Crude model	-0.0127	-0.0139, -0.0112	1.1938	0.9977, 1.4821	<0.001
	Adjusted model ¹	-0.0107	-0.012, -0.0088	1.2115	0.9634, 1.5597	<0.001

Maternal Over interference and Over protection	Crude model	1e-04	1e-04, 2e-04	0.7256	0.6205, 0.8769	<0.001
	Adjusted model ¹	1e-04	1e-04, 3e-04	0.7164	0.607, 0.8739	<0.001
Maternal Rejection and Denial	Crude model	9e-04	6e-04, 0.0013	0.8629	0.7551, 1.0041	<0.001
	Adjusted model ¹	9e-04	6e-04, 0.0014	0.855	0.7327, 1.0114	<0.001
Maternal Punishment and Severity	Crude model	0.0011	7e-04, 0.0015	0.8823	0.7737, 1.0359	<0.001
	Adjusted model ¹	0.0011	8e-04, 0.0016	0.8858	0.76, 1.0447	<0.001
Maternal Preference for the Child	Crude model	2e-04	-2.00E-04, 7e-04	-1.4663	-5.5102, 5.8032	0.996
	Adjusted model ¹	1e-04	-5.00E-04, 7e-04	3.616	-3.2941, 4.3906	0.816

Abbreviations: OR, odds ratio; CI, confidence interval.

¹Adjusted for age, gender, province, residence, only child, left behind status, parental marital status, father's education, mother's education, family income.

Supplementary Table 6 Mediating effect and proportions of Family Functioning between Parental rearing style and mental health symptoms.

Parental rearing style		Indirect effect	95% CI	Mediation proportions	95% CI	P value
Paternal Emotional Warmth	Crude model	-0.0052	-0.0066, -0.0037	0.3324	0.2326, 0.4494	<0.001
	Adjusted model ¹	-0.0057	-0.0071, -0.004	0.4278	0.3016, 0.5875	<0.001
Paternal Punishment and Severity	Crude model	3e-04	2e-04, 5e-04	0.3138	0.2218, 0.4195	<0.001
	Adjusted model ¹	3e-04	2e-04, 5e-04	0.2922	0.1968, 0.4012	<0.001
Paternal Over involvement	Crude model	1e-04	1e-04, 2e-04	0.2444	0.173, 0.3202	<0.001
	Adjusted model ¹	2e-04	1e-04, 3e-04	0.2503	0.1714, 0.3326	<0.001
Paternal Preference for the Child	Crude model	6e-04	2e-04, 9e-04	-0.9427	-7.8093, 7.7499	0.548
	Adjusted model ¹	2e-04	-2.00E-04, 6e-04	-0.1491	-2.3402, 1.6835	0.682
Paternal Rejection and Denial	Crude model	5e-04	3e-04, 7e-04	0.2547	0.174, 0.3456	<0.001
	Adjusted model ¹	5e-04	3e-04, 8e-04	0.2619	0.1761, 0.3613	<0.001
Paternal Over protection	Crude model	3e-04	2e-04, 4e-04	0.1937	0.1385, 0.2577	<0.001
	Adjusted model ¹	3e-04	1e-04, 4e-04	0.1832	0.1346, 0.2468	<0.001
Maternal Emotional Warmth	Crude model	-0.006	-0.0072, -0.0044	0.4464	0.3274, 0.5821	<0.001
	Adjusted model ¹	-0.0061	-0.0074, -0.0044	0.558	0.4026, 0.7528	<0.001

Maternal Over interference and Over protection	Crude model	0	0, 1e-04	0.2034	0.138, 0.2779	<0.001
	Adjusted model ¹	1e-04	0, 1e-04	0.2109	0.1414, 0.2961	<0.001
Maternal Rejection and Denial	Crude model	3e-04	2e-04, 5e-04	0.2409	0.1578, 0.3295	<0.001
	Adjusted model ¹	3e-04	2e-04, 5e-04	0.2539	0.168, 0.3508	<0.001
Maternal Punishment and Severity	Crude model	5e-04	3e-04, 8e-04	0.3383	0.238, 0.4496	<0.001
	Adjusted model ¹	5e-04	3e-04, 8e-04	0.321	0.2204, 0.4357	<0.001
Maternal Preference for the Child	Crude model	7e-04	4e-04, 0.001	-1.4771	-10.4658, 13.626	0.584
	Adjusted model ¹	5e-04	1e-04, 9e-04	-0.4622	-3.4038, 3.977	0.428

¹Adjusted for age, gender, province, residence, only child, left behind status, parental marital status, father's education, mother's education, family income.

OR: Odds ratio; CI: Confidence interval.