

Table S1. Research methods used in the study.

VARIABLES	METHODS	
	adolescent	mother
Adolescent' depression	BDI-II; CDI-2	CDI-2
Mother' depression	-	BDI-II
Family functioning	FACES IV	FACES IV
Adolescents' cognitive flexibility	Brixton Spatial Anticipation Test	-

Table S2. Differences between teenagers with a major depressive disorder and their healthy peers

	Depressed adolescents (n=63)	Healthy controls (n=46)	V	p
Postpartum depression	23 (36,50%)	6 (13,04%)	7.43	0.0064
Divorce	14 (22,22%)	8 (17,39%)	0.38	0.05367
Alcohol abuse	18 (28,57%)	10 (21,74%)	0.64	0.04222

Table S3. Other aspects of family functioning

Family functioning	Depressed adolescents (n=63)			Healthy controls (n=46)			intergroup difference	p
	A - Adolescent M - Mother	mean \pm SD/ median \pm IQR	min.-max.	mean \pm SD/ median \pm IQR	min.-max.			
Balanced Cohesion raw score A (1-35)	Me \pm IQR	23 \pm 7	8-34	Me \pm IQR	27 \pm 6	16-35	$z=-3.6081$	0.0003
Balanced Cohesion raw score M (1-35)	Me \pm IQR	28 \pm 7	7-35	Me \pm IQR	28 \pm 4	23-34	$z=-0.7389$	0.4599
Balanced Flexibility raw score A (1-35)	Me \pm IQR	20 \pm 7	10-32	Me \pm IQR	24 \pm 6	16-34	$z=-3.8149$	0.0001
Balanced Flexibility raw score M (1-35)	Me \pm IQR	23 \pm 8	10-33	Me \pm IQR	24 \pm 5	21-33	$z=-3.0029$	0.0026
Disengaged raw score A (1-50)	$\bar{x}\pm$ SD.43	19.10 \pm 7	7-35	$\bar{x}\pm$ SD	15.57 \pm 4.43	7-26	$t=-2.17049$	0.0299
Disengaged raw score M (1-50)	$\bar{x}\pm$ SD	15.25 \pm 6.00	7-31	$\bar{x}\pm$ SD	13.52 \pm 3.31	9-22	$t=1.01893$	0.3082
Enmeshed raw score A (1-35)	Me \pm IQR	15 \pm 6	9-30	Me \pm IQR	14.50 \pm 6	8-23	$z=-0.28629$	0.7746
Enmeshed raw score M (1-35)	Me \pm IQR	14 \pm 7	7-32	Me \pm IQR	14 \pm 5	10-20	$z=-0.3725$	0.7094
Rigid raw score A (1-35)	$\bar{x}\pm$ SD	17.78 \pm 4.67	7-27	$\bar{x}\pm$ SD	17.78 \pm 4.29	9-25	$t=-0.1908$	0.8486
Rigid raw score M (1-35)	Me \pm IQR	17 \pm 8	8-30	Me \pm IQR	17 \pm 7	1-26	$z=-0.88293$	0.3772
Chaotic raw score A (1-35)	Me \pm IQR	17 \pm 8	9-32	Me \pm IQR	16.50 \pm 6	8-29	$z=-1.33434$	0.1820
Chaotic raw score M (1-35)	Me \pm IQR	15 \pm 9	7-31	Me \pm IQR	15.50 \pm 6	7-26	$z=-0.22757$	0.8199

Table S4. Correlation analysis between the results of family functioning in the assessment of a teenager (A) and a mother (M).

A - Adolescent M - mother	CDI- 2	General Family Functioning A	Cohesion A	Flexibility A	Satisfaction A	Communicat ion A	Balanced cohesion A	Balanced Flexibility A	Disengaged A	Enmeshed A	Rigid A	Chaotic A
CDI-2		-0.21	-0.21	-0.19	-0.18	-0.07	-0.25	-0.18	0.08	0.01	0.00	0.06
BDI-II mother	0.08	-0.05	-0.08	0.00	0.08	0.08	0.00	0.09	0.08	0.19	0.19	0.08
General Family Functioning M	- 0.23	0.27*	0.32*	0.20	0.13	0.19	0.30*	0.23	-0.17	-0.39*	0.00	-0.08
Cohesion M	- 0.19	0.19	0.25*	0.10	0.19	0.19	0.22	0.14	-0.21	-0.34*	0.05	-0.05
Flexibility M	- 0.22	0.32*	0.30*	0.29*	0.08	0.16	0.33*	0.29*	-0.08	-0.32*	-0.05	-0.10
Satisfaction M	- 0.18	-0.02	0.04	-0.07	0.30*	0.28*	0.00	-0.04	-0.19	-0.07	0.08	0.05
Communication M	- 0.19	-0.13	-0.07	-0.15	0.24	0.11	-0.11	-0.16	-0.05	-0.11	-0.05	0.06
Balanced Cohesion M	- 0.20	0.09	0.12	0.05	0.00	0.01	0.16	0.14	-0.06	-0.16	0.15	-0.05
Balanced Flexibility M	- 0.20	0.29*	0.31*	0.22	0.08	0.15	0.29*	0.25*	-0.15	-0.29*	0.04	-0.09
Disengaged M	0.17	-0.23	-0.37*	-0.07	-0.40*	-0.36*	-0.24	-0.13	0.45*	0.27*	-0.08	-0.02
Enmeshed M	0.00	-0.20	-0.16	-0.21	-0.10	-0.08	-0.16	-0.04	0.09	0.38*	0.34	0.16
Rigid M	- 0.18	-0.09	0.00	-0.18	-0.04	-0.03	-0.04	-0.02	-0.13	0.08	0.44*	-0.10
Chaotic M	0.29	-0.17	-0.15	-0.26*	0.00	-0.07	-0.16	-0.23	0.04	0.18	-0.05	0.20

*p<0.005

BDI-II (The Beck Depression Inventory-II)

CDI-2 (The Children's Depression Inventory 2)