

Supplementary materials

Developmental Cascades Link Maternal-Newborn Skin-to-Skin Contact with Young Adults' Psychological Symptoms, Oxytocin, and Immunity; Charting Mechanisms of Developmental Continuity from Birth to Adulthood

Supplementary Table S1. Multiple regression predicting child's mental state

	Estimate	Std.error	t value	P
Group	0.06	0.19	0.33	0.74
birthweight	-0.0001	0.0003	-0.47	0.64
Mother age	0.04	0.02	1.84	0.072
Mother education (above average)	0.07	0.10	0.745	0.46
Household income	-0.3	0.22	-1.6	0.12
Father Education	0.17	0.10	-1.76	0.084
Child's age	-0.17	0.11	-1.5	0.14
Gender	0.077	0.188	0.41	0.6835

Supplementary Table S2. Multiple regression predicting child's S-IgA (Z-scores)

	Estimate	Std.error	t value	P
Group	-0.28	0.28	-1	0.32
birthweight	0.0001	0.0004	0.25	0.80
Mother age	-0.004	0.03	-0.15	0.88
Mother education (above average)	0.05	0.13	0.39	0.70
Household income	-0.13	0.33	-0.4	0.70
Father Education	-0.06	0.14	-0.41	0.68
Child's age	0.09	0.17	0.53	0.59
Gender	-0.23	0.28	-0.82	0.42

Supplementary Table S3. Multiple regression predicting child's OT (Z-scores)

	Estimate	Std.error	t value	P
Group	-0.20	0.29	-0.69	0.49
birthweight	-0.00002	0.00047	-0.05	0.96
Mother age	-0.04	0.03	-1.3	0.20
Mother education	-0.02	0.14	-0.14	0.90
Household income	-0.11	0.34	-0.33	0.75
Father Education	-0.01	0.15	-0.05	0.96
Child's age	0.02	0.17	0.097	0.92
Gender	-0.55	0.29	-1.92	0.06

Supplementary Table S4. Comparisons between groups in main study variables, raw data

	KC	Control	t-test
Child depression/anxiety	-0.04 (0.86)	-0.01 (0.73)	$t_{(75)}=-0.155, p=0.87$
Child OT	3.11 (0.20)	3.16 (0.25)	$t_{(78)}=-0.442, p=0.66$
Child s-IgA	6.18 (0.47)	6.34 (0.53)	$t_{(70)}=-1.411, p=0.16$
Child Focused attention	4.19 (0.39)	3.82 (0.64)	$t_{(78)}=3.157, p=0.002$
Child EF score	111.51 (10.96)	101.06 (11.02)	$t_{(72)}=4.085, p=1.129e-4$
Mother depression/anxiety	-0.27 (0.51)	0.30 (1.08)	$t_{(78)}=-1.43, p=0.157$
Mother depression/anxiety (infancy)	-0.19 (0.71)	0.08 (0.71)	$t_{(78)}=-3.580, p=5.951e-4$
Dyadic synchrony infancy	2.66 (0.87)	2.23 (0.96)	$t_{(77)}=2.077, p=0.041$
Dyadic synchrony childhood	3.49 (0.70)	3.13 (0.80)	$t_{(76)}=2.084, p=0.040$
Dyadic synchrony adulthood	3.95 (0.74)	3.53 (0.77)	$t_{(76)}=2.389, p=0.017$