

Supplement 2

Table 2 Showing all covariates examined in the linear mixed model of repeated measurements of depression, anxiety, stress and attachment by parents, presented as adjusted mean difference

	MOTHER				FATHER			
	Estimate*	SE	95% CI	P	Estimate*	SE	95% CI	P
EPDS								
Vaginal birth ¹	-1.7	0.8	[-3.4, -0.06]	0.04	1.0	0.9	[-2.7, 0.7]	0.25
Education ²	0.8	1.8	[-2.8, 4.5]	0.66	0.7	2.2	[-5.0, 3.6]	0.74
Time 2 ³	-2.1	0.6	[-3.2, -0.9]	0.000	-0.1	0.5	[-1.1, 0.9]	0.86
Time 3 ⁴	-5.4	0.6	[-6.6, -4.3]	0.000	-2.1	0.5	[-3.1, -1.0]	0.000
Time 4 ⁵	-5.1	0.6	[-6.3, -3.9]	0.000	-2.8	0.5	[-3.7, -1.7]	0.000
Unit	-1.9	0.9	[-3.6, -0.1]	0.03	-0.5	0.9	[-2.3, 1.3]	0.58
STAI								
Vaginal birth	-0.1	2.2	[-4.5, 4.4]	0.98	-2.3	2.2	[-6.6, 2.1]	0.30
Education	7.0	4.9	[-2.7, 16.8]	0.16	2.0	5.5	[-9.1, 13.0]	0.72
Time 2	-5.8	1.8	[-9.3, -2.3]	0.000	-4.8	1.5	[-7.1, 1.9]	0.002
Time 3	-12.2	1.8	[-15.8, -8.6]	0.000	-7.8	1.5	[-10.9, -4.8]	0.000
Time 4	-11.8	1.8	[-15.4, -8.3]	0.000	-7.13	1.5	[-10.1, -4.1]	0.000
Unit	-3.0	2.3	[-7.7, 1.6]	0.20	-2.6	2.2	[-7.1, 1.9]	0.30
<i>Sights and sounds of the environment and Infant's appearance</i>								
Vaginal birth	-0.4	2.1	[-4.6, 3.7]	0.85	-0.4	2.0	[-4.2, 3.7]	0.88
Education	4.4	4.5	[-4.6, 13.4]	0.34	-4.4	4.9	[-14.2, 5.3]	0.37
Time 2	-1.8	2.1	[-6.0, 2.3]	0.39	-1.2	1.9	[-5.1, 2.6]	0.52
Unit	-5.0	2.2	[-9.4, -0.6]	0.03	-5.3	2.1	[-9.5, -1.1]	0.01
<i>Parental role alteration</i>								
Vaginal birth	-0.5	1.6	[-3.7, 2.7]	0.76	-0.2	1.5	[-3.1, 2.7]	0.88
Education	-2.4	3.5	[-9.3, 4.5]	0.49	-4.2	3.6	[-11.4, 2.8]	0.24
Time 2	-0.8	1.6	[-4.0, 2.4]	0.61	1.4	1.4	[-1.4, 4.3]	0.33
Unit	-5.2	1.8	[-8.7, -1.7]	0.004	-7.2	1.5	[-10.3, -4.2]	0.000
PSI⁶								
Vaginal birth	5.1	4.4	[-3.5, 13.7]	0.25	6.3	5.2	[-4.0, 16.7]	0.23
Education	3.1	10.0	[-16.8, 22.9]	0.76	-17.3	14.3	[-45.8, 11.2]	0.23
Time 4	-3.6	4.4	[-12.3, 5.2]	0.42	2.4	5.2	[-7.9, 12.7]	0.65
Unit	2.8	4.5	[-6.2, 11.8]	0.55	-0.5	5.4	[-11.2, 10.3]	0.93
MPAS								
Vaginal birth	-1.3	1.0	[-3.2, 0.6]	0.18	0.4	1.2	[-2.1, 2.7]	0.78
Education	1.4	1.7	[-2.0, 4.8]	0.41	-14.5	4.0	[-22.6, -6.5]	0.001
Time 4	-4.8	1.0	[-6.9, -2.8]	0.000	-0.2	1.7	[-3.7, 3.1]	0.90
Unit	-1.7	1.0	[-3.6, 0.3]	0.09	-0.5	1.2	[-3.0, 2.0]	0.68

EPDS The Edinburgh Depression Scale. **STAI** The State-Trait-Anxiety Inventory, Short Form Y. **PSS: NICU** The Parent Stressor Scale: neonatal intensive care unit questionnaire. **PSI** The Parenting Stress Index – short form. **MPAS** Maternal Postnatal Attachment Scale.

¹ Vaginal vs. caesarean section.

² Elementary, high school or college/university.

³ Discharge.

⁴ Term age.

⁵ Four months after term age.

⁶ Reporting the total stress score. All sub-scales within PSI were thoroughly checked, and there were no differences between the units or between genders.

