Table S3. Coefficient estimates of path models (using prenatal CES-D)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | aX | aZ | aXZ | R2 |  | bX | bM | bZ | bXZ | bZM | R2 |
| Coefficients | -4.22\*\* | -0.87 | 2.48\*\* | 0.05§ |  | -5.63\*\* | 0.13 | 0.73 | 9.16\*\* | 0.09 | 0.05\* |
| CI 2.5% | -7.03 | -4.84 | 1.70 |  |  | -11.20 | -0.31 | -5.14 | 9.80 | -0.47 |  |
| CI 97.5% | -2.90 | 1.82 | 5.43 |  |  | -3.85 | 0.68 | 7.81 | 14.11 | 0.88 |  |

NOTE: N = 129-140 (values are based on non-imputed data). Coefficients a1, a2, and a3 were derived with formula 1 (see Methods) which uses *prenatal depression score* (CES-D) as the dependent variable and OXTrs2740210 genotype (grouped as genotype C/C versus genotype A/C and A/A) as the moderator (Z); coefficients b1 through b5 with formula 2, which uses *early care quality* as the predictor variable (X), *instrumental care* as the dependent variable, *prenatal depression score* as the mediator (M), and OXT rs2740210 genotype (C/C versus other) as the moderator (Z) (see Methods). CI: bias-corrected confidence intervals which are Bootstrap adjusted values (1000 bootstrap samples). §p=0.05, \*p<0.05, \*\*\*p<0.01