**Supplemental Materials**

**Maternal Depressive Symptoms, Mother–Child Interactions, and Children's Executive Function**

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Supplementary Results - Standardized coefficients for all paths estimated in the mediation model

|  |  |  |  |
| --- | --- | --- | --- |
|  | Estimate | SE | p-value |
| Income-to-needs ratio → EF 48m | -.04 | .03 | .181 |
| Bayley MDI → EF 48m | .20 | .03 | .000 |
| Child care hours → EF 48m | .05 | .03 | .065 |
| Child care quality → EF 48m | .08 | .04 | .058 |
| Child sex (male) → EF 48m | -.07 | .03 | .017 |
| Maternal high school degree → EF 48m | .01 | .03 | .550 |
| Maternal college degree → EF 48m | .09 | .03 | .009 |
| Ethnicity (African American) → EF 48m | -.11 | .03 | .000 |
| Maternal distress → EF 48m | .10 | .04 | .024 |
| MDS 6m→ EF 48m | .03 | .03 | .420 |
| EF 36m → EF 48m | .19 | .03 | .000 |
| MDS 15m→ EF 48m | -.08 | .04 | .072 |
| MDS 24m → EF 48m | -.05 | .04 | .190 |
| Warmth-sensitivity 36m → EF 48m  | .06 | .03 | .126 |
| Harsh-intrusiveness 36m → EF 48m | -.15 | .03 | .000 |
| Dyadic joint attention 36m → EF 48m | .08 | .03 | .017 |
| Maternal language complexity 36m → EF 48m | .06 | .03 | .054 |
|  |  |  |  |
| Income-to-needs ratio → EF 36m | .04 | .04 | .313 |
| Bayley MDI → EF 36m | .09 | .04 | .013 |
| Child sex (male) → EF 36m | -.06 | .03 | .054 |
| Maternal high school degree → EF 36m | .01 | .03 | .631 |
| Maternal college degree → EF 36m | .07 | .04 | .080 |
| Ethnicity (African American) → EF 36m | -.14 | .03 | .000 |
| Maternal distress → EF 36m | .04 | .06 | .466 |
| MDS 15m→ EF 36m | .01 | .06 | .753 |
| MDS 24m → EF 36m | -.03 | .04 | .425 |
| Warmth-sensitivity 24m → EF 36m | .10 | .04 | .043 |
| Harsh-intrusiveness 24m → EF 36m | -.08 | .04 | .085 |
| Dyadic joint attention 24m → EF 36m | .06 | .03 | .109 |
| Maternal language complexity 24m → EF 36m | .00 | .03 | .919 |
|  |  |  |  |
| Income-to-needs ratio → Warmth-sensitivity 36m | .06 | .03 | .030 |
| Bayley MDI → Warmth-sensitivity 36m | .03 | .03 | .250 |
| Maternal high school degree → Warmth-sensitivity 36m | .10 | .03 | .000 |
| Maternal college degree → Warmth-sensitivity 36m | .07 | .03 | .033 |
| Ethnicity (African American) → Warmth-sensitivity 36m | -.12 | .02 | .000 |
| MDS 24m → Warmth-sensitivity 36m | -.07 | .02 | .008 |
| Warmth-sensitivity 24m → Warmth-sensitivity 36m | .44 | .04 | .000 |
|  |  |  |  |
| Income-to-needs ratio → Harsh-intrusiveness 36m | .03 | .03 | .351 |
|  | Estimate | SE | p-value |
| Bayley MDI → Harsh-intrusiveness 36m | -.08 | .03 | .003 |
| Maternal high school degree → Harsh-intrusiveness 36m | -.11 | .03 | .000 |
| Maternal college degree → Harsh-intrusiveness 36m | -.11 | .03 | .000 |
| Ethnicity (African American) → Harsh-intrusiveness 36m | .16 | .03 | .000 |
| MDS 24m → Harsh-intrusiveness 36m | .02 | .03 | .377 |
| Harsh-intrusiveness 24m → Harsh-intrusiveness 36m | .36 | .03 | .000 |
|  |  |  |  |
| Income-to-needs ratio → Dyadic joint attention 36m | .00 | .05 | .895 |
| Bayley MDI → Dyadic joint attention 36m | .09 | .04 | .016 |
| Maternal high school degree → Dyadic joint attention 36m | -.01 | .04 | .619 |
| Maternal college degree → Dyadic joint attention 36m | .00 | .03 | .856 |
| Ethnicity (African American) → Dyadic joint attention 36m | -.04 | .03 | .198 |
| MDS 24m → Dyadic joint attention 36m | -.07 | .04 | .075 |
| Dyadic joint attention 24m → Dyadic joint attention 36m | .06 | .04 | .137 |
|  |  |  |  |
| Income-to-needs ratio → Maternal language complexity 36m | -.00 | .04 | .983 |
| Bayley MDI → Maternal language complexity 36m | .07 | .03 | .037 |
| Maternal high school degree → Maternal language complexity 36m | .05 | .03 | .113 |
| Maternal college degree → Maternal language complexity 36m | .12 | .03 | .000 |
| Ethnicity (African American) → Maternal language complexity 36m | .08 | .03 | .015 |
| MDS 24m → Maternal language complexity 36m | -.05 | .03 | .125 |
| Maternal language complexity 24m → Maternal language complexity 36m | .36 | .05 | .000 |
|  |  |  |  |
| Income-to-needs ratio → MDS 24m | -.03 | .03 | .346 |
| Child sex (male) → MDS 24m | .00 | .06 | .952 |
| Maternal high school degree → MDS 24m | -.07 | .03 | .037 |
| Maternal college degree → MDS 24m | -.07 | .03 | .013 |
| Ethnicity (African American) → MDS 24m | .05 | .02 | .043 |
| Maternal distress → MDS 24m | .20 | .06 | .001 |
| MDS 6m → MDS 24m | .28 | .04 | .000 |
| MDS 15m → MDS 24m | .17 | .06 | .006 |
|  |  |  |  |
| Income-to-needs ratio → Warmth-sensitivity 24m | .13 | .03 | .000 |
| Bayley MDI → Warmth-sensitivity 24m | .17 | .03 | .000 |
| Child sex (male) → Warmth-sensitivity 24m | .01 | .03 | .730 |
| Maternal high school degree → Warmth-sensitivity 24m | .20 | .03 | .000 |
| Maternal college degree → Warmth-sensitivity 24m | .23 | .03 | .000 |
| Ethnicity (African American) → Warmth-sensitivity 24m | -.17 | .02 | .000 |
| Maternal distress → Warmth-sensitivity 24m | .04 | .05 | .366 |
| MDS 15m → Warmth-sensitivity 24m | -.05 | .04 | .243 |
|  |  |  |  |
| Income-to-needs ratio → Harsh-intrusiveness 24m | -.10 | .03 | .001 |
| Bayley MDI → Harsh-intrusiveness 24m | -.18 | .03 | .000 |
| Child sex (male) → Harsh-intrusiveness 24m | .05 | .03 | .116 |
| Maternal high school degree → Harsh-intrusiveness 24m | -.17 | .03 | .000 |
|  | Estimate | SE | p-value |
| Maternal college degree → Harsh-intrusiveness 24m | -.12 | .03 | .000 |
| Ethnicity (African American) → Harsh-intrusiveness 24m | .18 | .03 | .000 |
| Maternal distress → Harsh-intrusiveness 24m | -.12 | .05 | .013 |
| MDS 15m → Harsh-intrusiveness 24m | .17 | .05 | .001 |
|  |  |  |  |
| Income-to-needs ratio → Dyadic joint attention 24m | .08 | .04 | .054 |
| Bayley MDI → Dyadic joint attention 24m | .14 | .03 | .000 |
| Child sex (male) → Dyadic joint attention 24m | -.05 | .03 | .156 |
| Maternal high school degree → Dyadic joint attention 24m | .05 | .03 | .114 |
| Maternal college degree → Dyadic joint attention 24m | .03 | .04 | .484 |
| Ethnicity (African American) → Dyadic joint attention 24m | -.02 | .03 | .518 |
| Maternal distress → Dyadic joint attention 24m | .01 | .05 | .725 |
| MDS 15m → Dyadic joint attention 24m | -.01 | .05 | .745 |
|  |  |  |  |
| Income-to-needs ratio → Maternal language complexity 24m | .09 | .04 | .024 |
| Bayley MDI → Maternal language complexity 24m | .11 | .03 | .001 |
| Child sex (male) → Maternal language complexity 24m | -.09 | .03 | .009 |
| Maternal high school degree → Maternal language complexity 24m | .06 | .03 | .066 |
| Maternal college degree → Maternal language complexity 24m | .13 | .04 | .002 |
| Ethnicity (African American) → Maternal language complexity 24m | .09 | .03 | .003 |
| Maternal distress → Maternal language complexity 24m | .09 | .05 | .074 |
| MDS 15m → Maternal language complexity 24m | -.06 | .05 | .230 |
|  |  |  |  |
| Income-to-needs ratio → MDS 15m | -.03 | .03 | .230 |
| Child sex (male) → MDS 15m | -.00 | .02 | .952 |
| Maternal high school degree → MDS 15m | -.05 | .03 | .123 |
| Maternal college degree → MDS 15m | -.03 | .02 | .220 |
| Ethnicity (African American) → MDS 15m | .06 | .03 | .033 |
| MDS 6m → MDS 15m | .58 | .03 | .000 |
| Warmth-sensitivity 36m ↔ Harsh-intrusiveness 36m  | -.27 | .03 | .000 |
| Warmth-sensitivity 36m ↔ Dyadic joint attention 36m | .02 | .03 | .496 |
| Warmth-sensitivity 36m ↔ Maternal language complexity 36m | .03 | .06 | .593 |
| Warmth-sensitivity 36m ↔ EF 36m  | .07 | .03 | .038 |
|  |  |  |  |
| Harsh-intrusiveness 36m ↔ Dyadic joint attention 36m | -.00 | .03 | .899 |
| Harsh-intrusiveness 36m ↔ Maternal language complexity 36m | -.05 | .03 | .187 |
| Harsh-intrusiveness 36m ↔ EF 36m  | -.10 | .03 | .005 |
|  |  |  |  |
| Dyadic joint attention 36m ↔ Maternal language complexity 36m | .09 | .03 | .014 |
| Dyadic joint attention 36m ↔ EF 36m  | -.02 | .04 | .586 |
|  |  |  |  |
| Maternal language complexity 36m ↔ EF 36m | .03 | .04 | .434 |
| Warmth-sensitivity 24m ↔ Harsh-intrusiveness 24m  | -.40 | .03 | .000 |
| Warmth-sensitivity 24m ↔ Dyadic joint attention 24m | .12 | .03 | .001 |
|  | Estimate | SE | p-value |
| Warmth-sensitivity 24m ↔ Maternal language complexity 24m | .11 | .03 | .001 |
| Warmth-sensitivity 24m ↔ MDS 24m  | -.14 | .03 | .000 |
|  |  |  |  |
| Harsh-intrusiveness 24m ↔ Dyadic joint attention 24m | -.08 | .03 | .017 |
| Harsh-intrusiveness 24m ↔ Maternal language complexity 24m | -.04 | .03 | .194 |
| Harsh-intrusiveness 24m ↔ MDS 24m  | .13 | .03 | .000 |
|  |  |  |  |
| Dyadic joint attention 24m ↔ Maternal language complexity 24m | .05 | .04 | .224 |
| Dyadic joint attention 24m ↔ MDS 24m  | -.05 | .03 | .164 |
|  |  |  |  |
| Maternal language complexity 24m ↔ MDS 24m | -.05 | .03 | .099 |
|  |  |  |  |
| MDS 15m ↔ Maternal distress  | .57 | .03 | .000 |
|  |  |  |  |
| MDS 6m ↔ Income-to-needs ratio  | -.17 | .02 | .000 |
| MDS 6m ↔ Bayley MDI  | -.09 | .03 | .006 |
| MDS 6m ↔ Child care hours  | -.07 | .03 | .030 |
| MDS 6m ↔ Child care quality  | .01 | .04 | .642 |
| MDS 6m ↔ Child sex (male)  | .00 | .03 | .973 |
| MDS 6m ↔ Maternal high school degree  | -.08 | .04 | .030 |
| MDS 6m ↔ Maternal college degree  | -.15 | .02 | .000 |
| MDS 6m ↔ Ethnicity (African American)  | .05 | .03 | .060 |
| MDS 6m ↔ Maternal distress  | .49 | .04 | .000 |
|  |  |  |  |
| Income-to-needs ratio ↔ Bayley MDI  | .19 | .04 | .000 |
| Income-to-needs ratio ↔ Child care hours  | .18 | .03 | .000 |
| Income-to-needs ratio ↔ Child care quality  | .13 | .03 | .000 |
| Income-to-needs ratio ↔ Child sex (male)  | .05 | .03 | .136 |
| Income-to-needs ratio ↔ Maternal high school degree  | .28 | .02 | .000 |
| Income-to-needs ratio ↔ Maternal college degree  | .54 | .03 | .000 |
| Income-to-needs ratio ↔ Ethnicity (African American)  | -.31 | .02 | .000 |
| Income-to-needs ratio ↔ Maternal distress | -.15 | .03 | .000 |
|  |  |  |  |
| Bayley MDI ↔ Child care hours  | -.03 | .03 | .341 |
| Bayley MDI ↔ Child care quality  | .15 | .07 | .028 |
| Bayley MDI ↔ Child sex (male)  | -.14 | .03 | .000 |
| Bayley MDI ↔ Maternal high school degree  | .12 | .03 | .000 |
| Bayley MDI ↔ Maternal college degree  | .17 | .03 | .000 |
| Bayley MDI ↔ Ethnicity (African American)  | -.24 | .02 | .000 |
| Bayley MDI ↔ Maternal distress | -.08 | .03 | .007 |
|  |  |  |  |
| Child care hours ↔ Child care quality  | .03 | .08 | .653 |
| Child care hours ↔ Child sex (male)  | .02 | .03 | .416 |
| Child care hours ↔ Maternal high school degree  | .07 | .03 | .013 |
| Child care hours ↔ Maternal college degree  | .06 | .03 | .092 |
|  | Estimate | SE | p-value |
| Child care hours ↔ Ethnicity (African American)  | .24 | .02 | .000 |
| Child care hours ↔ Maternal distress | -.08 | .03 | .005 |
|  |  |  |  |
| Child care quality ↔ Child sex (male)  | .01 | .05 | .830 |
| Child care quality ↔ Maternal high school degree  | .05 | .05 | .335 |
| Child care quality ↔ Maternal college degree  | .08 | .07 | .239 |
| Child care quality ↔ Ethnicity (African American)  | -.16 | .05 | .002 |
| Child care hours ↔ Maternal distress | -.03 | .04 | .425 |
|  |  |  |  |
| Child sex (male) ↔ Maternal high school degree  | .00 | .03 | .870 |
| Child sex (male) ↔ Maternal college degree  | .01 | .04 | .673 |
| Child sex (male) ↔ Ethnicity (African American)  | .01 | .03 | .673 |
| Child sex (male) ↔ Maternal distress | -.03 | .03 | .338 |
|  |  |  |  |
| Maternal high school degree ↔ Maternal college degree  | .21 | .01 | .000 |
| Maternal high school degree ↔ Ethnicity (African American)  | -.12 | .03 | .000 |
| Maternal high school degree ↔ Maternal distress | -.12 | .04 | .002 |
|  |  |  |  |
| Maternal college degree ↔ Ethnicity (African American)  | -.21 | .02 | .000 |
| Maternal college degree ↔ Maternal distress | -.16 | .02 | .000 |
|  |  |  |  |
| Ethnicity (African American) ↔ Maternal distress | .05 | .03 | .065 |
|  |  |  |  |