Table E-5. Attachment and biobehavioral catch-up, mental health outcomes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **First Author, Year** | **Comparison Groups**  | **Measures**  | **Mental Health & Behavior** | **Mental Health & Behavior (Part 2)**  | **Mental Health & Behavior (Part 3)**  | **Mental Health & Behavior (Part 4)**  |
| Dozier, 20061  | G1: Attachment and Biobehavioral Catch-up G2: Developmental Education for Families | Cortisol assay: collected saliva samples two times daily over a 2-day period at waking and before bed at home with compliance caps. Parent’s Daily Report (PDR/IT): parent-report | AM CortisolBaseline Mean (SD); RangeG1: 0.41 (0.43); 0.00-1.97G2: 0.80 (0.91); 0.00-3.00PM CortisolBaseline Mean (SD); RangeG1: 0.12 (0.13); 0.00-0.58G2: 0.42 (0.69); 0.00-2.65Behavior ScoreBaseline Mean (SD); RangeG1: 0.29 (0.16); 0.03-0.48G2: 0.31 (0.15); 0.06-0.54 | Analysis of Variance for Behavior Problems (between subjects)Intervention type, F=0.14, p=0.71Child age, F=3.06, p=0.09Intervention type x Child age, F=4.75, p=0.04G1 reported fewer behavioral problems for toddlers than infants | Analysis of Variance for Cortisol Levels by Intervention TypeTime of day within subjects, F=29.04, p=0.00Time of day x Intervention type, F=0.63, p=0.43Between subjects F=4.55, p=0.04Comparisons between G1 and G2, Mean difference=-0.37 (0.11 SE), p<0.001 | None |
| Dozier, 20082  | G1: Attachment and Biobehavioral Catch-up G2: Developmental Education for Families | Cortisol assay: collected saliva samples at first arrival at research lab, 15 min post strange situation and 30 min post strange situation | “None of the three groups showed a significant increase in cortisol in response to the Strange situation. Indeed, the slopes for all groups were in the negative direction” (p.852)Cortisol SlopeG1: -0.04G2: -0.11 | Multilevel modeling coefficients of tx effects for salivary cortisol with DEF (tx control) as reference group | None | None |

Table E-5. Attachment and biobehavioral catch-up, mental health outcomes (continued)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **First Author, Year** | **Comparison Groups**  | **Measures**  | **Mental Health & Behavior** | **Mental Health & Behavior (Part 2)**  | **Mental Health & Behavior (Part 3)**  | **Mental Health & Behavior (Part 4)**  |
| Bernard, 2012[5](#_ENREF_5)Dozier, unpublished A[6](#_ENREF_6)Dozier, unpublished B[7](#_ENREF_7) | G1: ABCG2: DEF | Strange SituationWaking level of cortisolAM Cortisol LevelAM-PM Change in Diurnal Salivary CortisolTool Task | Bernard, 2012Attachment categories totalSecure 50 (42%)Avoidant 14 (12%)Resistant 3 (2%)Disorganized 53 (44%)Disorganized attachment OrganizedG1: 41 (68%)G2: 26 (43%)DisorganizedG1: 19 (32%)G2: 34 (57%) X2 (1,120)=7.60, p<.01, all children, d=0.52X2 (1, 95)=5.06, p<.05,<24m, d=0.47X2 (1, 113)=8.58, p<.01, 2nd child in family excluded, d=0.57Secure attachmentSecureG1: 31 (52%)G2: 20 (33%)InsecureG1: 29 (48%)G2: 40 (67%)X2 (1,120)=4.15, p<.05, d=0.38X2 (1,95)=1.85, p>.05, d=0.28, children<24mX2 (1,113)=4.85, p<.05, d=,0.44, 2nd child excluded | Dozier, Bernard, Bick & Gordon, unpublished;AM Cortisol LevelG1>G2, p=0.01AM-PM Change in Diurnal Salivary CortisolG1>G2, p=0.05 | Dozier, Bernard, Ross, et al., unpublishedMean Negative affect composite scoresG1: -0.54 (SD=2.25)G2: 0.62 (SD=3.03)t (112)=-2.13, p<0.05 (2nd child in family excluded)Mean Anger G1: 1.65 (SD=1.20)G2: 2.16 (SD=1.51)t (112)=-1.99, p<0.05 (2nd child in family excluded)Mean Anger towards CaregiverG1: 1.54 (SD=1.02)G2: 2.12 (SD=1.72) t (112)=2.18, p<0.05 (2nd child in family excluded)Mean Global Anger/SadnessG1: 1.54 (SD=0.91)G2: 1.89 (SD=0.96)t (111.7)=-2.00, p<0.05 (2nd child in family excluded) | None |

Table E-5. Attachment and biobehavioral catch-up, mental health outcomes (continued)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **First Author, Year** | **Comparison Groups**  | **Measures**  | **Mental Health & Behavior** | **Mental Health & Behavior (Part 2)**  | **Mental Health & Behavior (Part 3)**  | **Mental Health & Behavior (Part 4)**  |
| Sprang, 20098 | G1: Attachment & Biobehavioral Catchup Intervention (ABC)G2: Temporary wait-list | Child Abuse Potential Inventory (CAPI)CBCL-I (Internalizing subscaleCBCL-E (Externalizing subscaleParenting Stress Index -Short form (PSI/SF) | CBCL-I subscaleBaseline, Mean (SD) (Completers only/ ITT mean and sd NR)G1: 64.2 (11.2)G2: 68.28 (14.96)Endpoint, Mean (SD) (Completers only/ ITT mean and sd NR)G1: 45.39 (6.49) G2: 64.36 (15.34)Change score mean (SD) (Completers only/ ITT mean and sd NR)G1: -18.81 (NR) p=NR; G2: -3.92 (NR) p=NRBetween group completers results, t=3.05, p=0.05Within group ITTBoth groups p=sig (NR) Between group ITT results, F= 9.72, p=0.01 Partial Eta Squared=0.436 | CBCL-E subscaleBaseline, Mean (SD) (Completers only/ ITT mean and sd NR)G1: 66.81 (12.42)G2: 49.13 (4.79)Endpoint, Mean (SD) (Completers only/ ITT mean and sd NR)G1: 49.13 (4.79)G2: 69.08 (14.82)Change score mean (SD) (Completers only/ ITT mean and sd NR)G1: -17.67 (NR)G2: -3.82 (NR)Between group completers results, t= 21.35, p=0.01Within group ITTBoth groups p=sig (NR) Between group ITT results, F= 17.09, p=0.001 Partial Eta Squared=0.511 | None | None |