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

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| **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 Cortisol Baseline Mean (SD); Range G1: 0.41 (0.43); 0.00-1.97 G2: 0.80 (0.91); 0.00-3.00  PM Cortisol Baseline Mean (SD); Range G1: 0.12 (0.13); 0.00-0.58 G2: 0.42 (0.69); 0.00-2.65  Behavior Score Baseline Mean (SD); Range G1: 0.29 (0.16); 0.03-0.48 G2: 0.31 (0.15); 0.06-0.54 | Analysis of Variance for Behavior Problems (between subjects) Intervention type, F=0.14, p=0.71 Child age, F=3.06, p=0.09 Intervention type x Child age, F=4.75, p=0.04 G1 reported fewer behavioral problems for toddlers than infants | Analysis of Variance for Cortisol Levels by Intervention Type Time of day within subjects, F=29.04, p=0.00 Time of day x Intervention type, F=0.63, p=0.43 Between subjects F=4.55, p=0.04 Comparisons 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 Slope G1: -0.04 G2: -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)

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| **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| Bernard, 2012[5](#_ENREF_5)  Dozier, unpublished A[6](#_ENREF_6)  Dozier, unpublished B[7](#_ENREF_7) | G1: ABC  G2: DEF | Strange Situation  Waking level of cortisol  AM Cortisol Level  AM-PM Change in Diurnal Salivary Cortisol  Tool Task | Bernard, 2012  Attachment categories total  Secure 50 (42%)  Avoidant 14 (12%)  Resistant 3 (2%)  Disorganized 53 (44%)  Disorganized attachment  Organized  G1: 41 (68%)  G2: 26 (43%)  Disorganized  G1: 19 (32%)  G2: 34 (57%)    X2 (1,120)=7.60, p<.01, all children, d=0.52  X2 (1, 95)=5.06, p<.05,<24m, d=0.47  X2 (1, 113)=8.58, p<.01, 2nd child in family excluded, d=0.57  Secure attachment  Secure  G1: 31 (52%)  G2: 20 (33%)  Insecure  G1: 29 (48%)  G2: 40 (67%)  X2 (1,120)=4.15, p<.05, d=0.38  X2 (1,95)=1.85, p>.05, d=0.28, children<24m  X2 (1,113)=4.85, p<.05, d=,0.44, 2nd child excluded | Dozier, Bernard, Bick & Gordon, unpublished;  AM Cortisol Level  G1>G2, p=0.01  AM-PM Change in Diurnal Salivary Cortisol  G1>G2, p=0.05 | Dozier, Bernard, Ross, et al., unpublished  Mean Negative affect composite scores  G1: -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 Caregiver  G1: 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/Sadness  G1: 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)

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| **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 subscale CBCL-E (Externalizing subscale Parenting Stress Index -Short form (PSI/SF) | CBCL-I subscale Baseline, 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=NR  Between group completers results, t=3.05, p=0.05 Within group ITT  Both groups p=sig (NR)  Between group ITT results, F= 9.72, p=0.01 Partial Eta Squared=0.436 | CBCL-E subscale Baseline, 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=0.01 Within group ITT  Both groups p=sig (NR)  Between group ITT results, F= 17.09, p=0.001  Partial Eta Squared=0.511 | None | | None |