**Supplementary Materials**

Vanwoerden, S, Vine, V, Byrd, AL, Jennings JR, & Stepp SD. The role of youths’ cardiac autonomic balance and parental responses to youth emotion in vulnerability to borderline personality disorder development

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**Table S1**. Effect of demographic covariates in model testing the interaction between parental responses and CAB scores in response to parent-child conflict

|  |  |  |  |
| --- | --- | --- | --- |
|  | *B* (SE) | *ß* | *p* |
| **DV: Non-Supportive Responses** |  |  |  |
| Youth Age | -0.06 (0.09) | -.06 | .515 |
| Youth Sex (Female) | -0.04 (0.16) | -.02 | .811 |
| Minoritized Race/Ethnicity | 0.26 (0.16) | .14 | .120 |
| Receipt of Public Assistance | 0.11 (0.18) | .06 | .532 |
| **DV: Supportive Responses** |  |  |  |
| Youth Age | -0.16 (0.09) | -.16 | .061 |
| Youth Sex (Female) | -0.24 (0.15) | -.13 | .105 |
| Minoritized Race/Ethnicity | **0.77 (0.17)** | **.41** | **<.001** |
| Receipt of Public Assistance | **-0.41 (0.17)** | **-.22** | **.015** |
| **DV: CAB (Conflict)** |  |  |  |
| Youth Age | -0.01 (0.09) | -.01 | .515 |
| Youth Sex (Male) | 0.29 (0.27) | .20 | .285 |
| Minoritized Race/Ethnicity | 0.16 (0.26) | .06 | .534 |
| Receipt of Public Assistance | 0.16 (0.27) | .05 | .559 |
| Youth BMI | **-0.04 (0.02)** | **-.16** | **.040** |
| Stimulant Use | -0.13 (0.28) | -.04 | .634 |
| **DV: CAB (Vanilla Baseline)** |  |  |  |
| Youth Age | 0.14 (0.15) | .09 | .345 |
| Youth Sex (Male) | **0.81 (0.24)** | **.30** | **.001** |
| Minoritized Race/Ethnicity | 0.20 (0.27) | .07 | .463 |
| Receipt of Public Assistance | 0.34 (0.26) | .13 | .190 |
| Youth BMI | -0.01 (0.02) | -.02 | .793 |
| Stimulant Use | -0.25 (0.30) | -.07 | .404 |
| **DV: CAR (Conflict)** |  |  |  |
| Youth Age | -0.13 (0.12) | -.10 | .277 |
| Youth Sex (Male) | **0.51 (0.22)** | **.20** | **.022** |
| Minoritized Race/Ethnicity | 0.19 (0.24) | .07 | .443 |
| Receipt of Public Assistance | 0.29 (0.25) | .11 | .253 |
| Youth BMI | -0.01 (0.02) | -.03 | .739 |
| Stimulant Use | 0.21 (0.28) | .06 | .459 |
| **DV: CAR (Vanilla Baseline)** |  |  |  |
| Youth Age | -0.27 (0.14) | -.18 | .050 |
| Youth Sex (Male) | -0.27 (0.23) | -.10 | .234 |
| Minoritized Race/Ethnicity | 0.14 (0.27) | .05 | .601 |
| Receipt of Public Assistance | **0.61 (0.25)** | **.22** | **.015** |
| Youth BMI | -0.01 (0.02) | -.05 | .566 |
| Stimulant Use | -0.04 (0.31) | -.01 | .892 |

Note. CAB = cardiac autonomic balance, CAR = cardiac autonomic regulation, BPD = borderline personality disorder; bolded values were statistically significant at *p*<.05.

**Table S2**. Effect of demographic covariates in model testing the interaction between parental responses and CAR scores in response to parent-child conflict

|  |  |  |  |
| --- | --- | --- | --- |
|  | *B* (SE) | *ß* | *p* |
| **DV: Non-Supportive Responses** |  |  |  |
| Youth Age | -.06 (0.09) | -.06 | .515 |
| Youth Sex (Female) | -0.04 (0.16) | -.02 | .811 |
| Minoritized Race/Ethnicity | 0.26 (0.16) | .14 | .120 |
| Receipt of Public Assistance | 0.11 (0.18) | .06 | .532 |
| **DV: Supportive Responses** |  |  |  |
| Youth Age | -0.16 (0.09) | -.16 | .061 |
| Youth Sex (Female) | -0.24 (0.15) | -.13 | .105 |
| Minoritized Race/Ethnicity | **0.77 (0.17)** | **.41** | **<.001** |
| Receipt of Public Assistance | **-0.41 (0.17)** | **-.22** | **.015** |
| **DV: CAB (Conflict)** |  |  |  |
| Youth Age | -0.01 (0.13) | -.01 | .915 |
| Youth Sex (Male) | 0.29 (0.27) | .10 | .285 |
| Minoritized Race/Ethnicity | 0.16 (0.26) | .06 | .534 |
| Receipt of Public Assistance | 0.16 (0.27) | .05 | .559 |
| Youth BMI | **-0.04 (0.02)** | **-.16** | **.040** |
| Stimulant Use | -0.13 (0.28) | -.04 | .634 |
| **DV: CAB (Vanilla Baseline)** |  |  |  |
| Youth Age | 0.14 (0.15) | .09 | .345 |
| Youth Sex (Male) | **0.81 (0.24)** | **.30** | **.001** |
| Minoritized Race/Ethnicity | 0.20 (0.27) | .07 | .463 |
| Receipt of Public Assistance | 0.34 (0.26) | .13 | .190 |
| Youth BMI | -0.01 (0.02) | -.02 | .793 |
| Stimulant Use | -0.25 (0.30) | -.07 | .404 |
| **DV: CAR (Conflict)** |  |  |  |
| Youth Age | -0.13 (0.12) | -.10 | .277 |
| Youth Sex (Male) | **0.51 (0.22)** | **.20** | **.022** |
| Minoritized Race/Ethnicity | 0.19 (0.24) | .07 | .443 |
| Receipt of Public Assistance | 0.29 (0.25) | .11 | .253 |
| Youth BMI | -0.01 (0.02) | -.03 | .739 |
| Stimulant Use | 0.21 (0.28) | .06 | .459 |
| **DV: CAR (Vanilla Baseline)** |  |  |  |
| Youth Age | -0.27 (0.14) | -.18 | .050 |
| Youth Sex (Male) | -0.27 (0.23) | -.10 | .234 |
| Minoritized Race/Ethnicity | 0.14 (0.27) | .05 | .601 |
| Receipt of Public Assistance | **0.61 (0.25)** | **.22** | **.015** |
| Youth BMI | -0.01 (0.02) | -.05 | .566 |
| Stimulant Use | -0.04 (0.31) | -.01 | .892 |

Note. CAB = cardiac autonomic balance, CAR = cardiac autonomic regulation, BPD = borderline personality disorder; bolded values were statistically significant at *p*<.05.