**Supplementary file A**

In this supplementary file we present additional analyses in which all predictors and interactions were included simultaneously. Table 1 presents the models in which all main effects of the predictors are included simultaneously. Table 2 presents the models in which all main effects of the predictors and their interactions are included. The significant interactions are presented in Figures 1–4.

**Table 1.** Daily parenting as a function of daily child behavior, parents’ psychological needs, and mindful parenting

|  |  |  |  |
| --- | --- | --- | --- |
|   | Autonomy support  | Psychological control | Responsiveness |
|  | *B* (*SE*) | *B* (*SE*) | *B* (*SE*) |
| *Fixed effects* |  |  |  |
| Overall Intercept | 3.36 (.09)\*\*\* | 1.54 (.04)\*\*\* | 3.90 (.08)\*\*\* |
| Day level predictors |  |  |  |
|  Externalizing child behavior | **-.23 (.08)\*\*** |  **.31 (.05)\*\*\*** | **-.17 (.06)\*\*** |
|  Internalizing child behavior | -.07 (.08) |  .09 (.05) |  .10 (.06) |
|  Prosocial child behavior | -.00 (.06) | -.01 (.04) |  **.14 (.05)\*\*** |
|  Parents’ need satisfaction  |  **.18 (.08)\*** | -.08 (.05) |  **.15 (.06)\*** |
|  Parents’ need frustration |  .01 (.08) |  .06 (.05) |  .03 (.07) |
| Person level predictors |  |  |  |
| Mindful parenting |  .39 (.21) † | **-.29 (.10)\*\*** | **.47 (.16)\*\*** |
| Control variable |  |  |  |
|  GMFCS | -.06 (.07) | -.04 (.03)\* | .07 (.05) |
| *Random effects* |  |  |  |
|  u0 (intercept) |  .43 (.09)\*\*\* |  .08 (.02) | .27 (.06)\*\*\* |
|  e0 |  .25 (.02)\*\*\* |  .12 (.01) | .16 (.01)\*\*\* |
| -2 × loglikelihood | 612.42 | 329.51 | 469.55 |
| \**p* < .05 \*\**p* < .01 \*\*\* *p* < .001. |

**Table 2.** Daily Parenting as a Function of Daily Child Behavior, Parents’ Psychological Needs, the Interactions between Child Behavior and Parents’ Needs, and Mindful Parenting

|  |  |  |  |
| --- | --- | --- | --- |
|   | Autonomy support  | Psychological control | Responsiveness |
|  | B (SE) | B (SE) | B (SE) |
| *Fixed effects* |  |  |  |
| Overall Intercept | 3.32 (.09)\*\*\* | 1.55 (.05)\*\*\* | 3.88 (.08)\*\*\* |
| Day level predictors |  |  |  |
|  Externalizing child behavior | **-.17 (.08)\*** |  **.25 (.06)\*\*\*** | -.12 (.07) |
|  Internalizing child behavior | -.11 (.08) |  **.12 (.06)\*** |  .07 (.07) |
|  Prosocial child behavior | -.01 (.06) | -.01 (.04) |  **.14 (.05)\*\*** |
|  Need satisfaction  |  **.26 (.08)\*\*\*** | **-.12 (.06)\*** |  **.20 (.07)\*\*** |
|  Need frustration |  .06 (.08) |  .05 (.05) |  .06 (.07) |
| Interactions at day level |  |  |  |
| EXT × INT | -.15 (.20) | -.11 (.14) |  .11 (.17) |
| EXT PRO |  .17 (.16) |  .03 (.11) |  .01 (.13) |
| EXT × NS |  .15 (.22) | -.03 (.15) |  .09 (.18) |
| EXT × NF |  .02 (.18) |  .**27 (.13)\*** | -.07 (.15) |
| INT × PRO | **-.50 (.19)\*\*** |  .09 (.13) | -.20 (.15) |
| INT × NS |  .11 (.16) | -.08 (.11) |  .13 (.14) |
| INT × NF |  .04 (.17) | -.09 (.12) |  .05 (.14) |
| PRO × NS | -.15 (.17) |  .22 (.11) | -.11 (.14) |
| PRO × NF | -.27 (.15) |  -.00 (.10) | -.15 (.12) |
| NS × NF | **-.31 (.12)\*** |  **.19 (.08)\*** | -.11 (.10) |
| Person level predictors |  |  |  |
| Mindful parenting | .38 (.21) | -.30 (.10)\*\* | .47 (.17)\*\* |
| Control variable |  |  |  |
|  GMFCS | -.06 (.07) | -.03 (.03) | .07 (.06) |
| *Random effects* |  |  |  |
|  u0 (intercept) | .44 (.09)\*\*\* | .11 (.02)\*\*\* | .28 (.06)\*\*\* |
|  e0 | .25 (.02)\*\*\* | .13 (.01) | .16 (.01)\*\*\* |
| -2 × loglikelihood | 591.32 | 310.51 | 461.25 |
| *Note*: EXT = Externalizing child behavior, INT = Internalizing child behavior, PRO = Prosocial child behavior, NS = parents’ need satisfaction, NF = parents’ need frustration;\**p* < .05 \*\**p* < .01 \*\*\* *p* < .001. |

**Figure 2** Interaction between daily need satisfaction and daily need frustration behavior in the prediction of daily autonomy support

**Figure 1** Interaction between daily internalizing child behavior and daily prosocial child behavior in the prediction of daily autonomy support



**Figure 4** Interaction between daily need satisfaction and need frustration in the prediction of daily psychological control

**Figure 3** Interaction between daily need frustration and daily externalizing child behavior in the prediction of daily psychological control

