**Additional information for 5.8.2 Exploring differences in emotion cluster scores between emotion profiles**

**Table S1**

Model description for comparison of emotion clusters scores between emotion profiles

|  |  |  |
| --- | --- | --- |
| Model | Description | lmer model syntax |
| 0 | Intercept only | [emotion] ~ 1 |
| 1 | Unconditional growth model | [emotion] ~ time |
| 2 | 2 + random intercept | [emotion] ~ time + (1 |id) |
| 3 | 3 + profile membership | [emotion] ~ time + profile + (1 |id) |
| 4 | 4 + differing linear changes by profile | [emotion] ~ time + profile + time:profile + (1 |id) |

*Note*. [emotion] is a placeholder for scores for the four emotion cluster (negative, positive, boredom, and neutral). Time was coded as the six time points administration of the EV (1-6). Profile: categorical variable indicating profile membership.

**Table S2**

Model comparison for emotion cluster scores

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comparison | Negative | Positive | Boredom | Neutral |
| M0 vs M1 | *Χ*2(1) = 0.00; *p* = 1 | *Χ*2(1) = 0.00; *p* = 1 | *Χ*2(1) = 0.00; *p* = 1 | *Χ*2(1) = 0.00; *p* = 1 |
| M1 vs M2 | *Χ*2(1) = 600.77; *p* < .001 | *Χ*2(1) = 681.48; *p* < .001 | *Χ*2(1) = 489.34; *p* < .001 | *Χ*2(1) = 278.72; *p* < .001 |
| M2 vs M3 | *Χ*2(2) = 154.86; *p* < .001 | *Χ*2(2) = 146.59; *p* < .001 | *Χ*2(2) = 103.43; *p* < .001 | *Χ*2(2) = 20.50; *p* < .001 |
| M3 vs M4 | *Χ*2(2) = 23.32; *p* < .001 | *Χ*2(2) = 11.93; *p* < .010 | *Χ*2(2) = 14.26; *p* < .001 | *Χ*2(2) = 3.28; *p* = .194 |

*Note*. Models for comparison can be found in Table S2.