# Supplemental Materials:

# Psychophysiological Responses Underlying

# Unresolved Loss and Trauma in the Adult Attachment Interview

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| Table S1 |  |  |  |
| *Frequencies of Participants' Discussion of Loss and Trauma and Unresolved Discourse per Interview Question* |
|  | Loss discussed | Trauma discussed | Unresolved discourse |
| Question | *n*  | *n*  | *n*  |
| 1. Orientation (baseline) | 134  | 2 | 10 |
| 2. Describe relationship | 12 | 10 | 9 |
| 3. Adjectives mother | 15 | 10 | 7 |
| 4. Adjectives father | 15 | 16 | 10 |
| 5. Which parent closest | 12 | 2 | 3 |
| 6. Upset/hurt/ill | 15 | 10 | 5 |
| 7. Separation | 7 | 2 | 2 |
| 8. Rejection | 3 | 3 | 2 |
| 8a. Frightened/worried | 5 | 5 | 5 |
| 9. Abuse | 3 | 83 | 59 |
| 10. Effects | 9 | 8 | 4 |
| 11. Why did parents behave | 3 | -- | 3 |
| 12. Other adults | 21 | 1 | 2 |
| 13. Loss | 232 | -- | 150 |
| 14. Other trauma | 4 | 20 | 10 |
| 15. Changes relationship | 5 | 4 | 3 |
| 16. Current relationship | 5 | -- | -- |
| 17. Separation own child | -- | -- | -- |
| 18. Wishes own child | -- | -- | -- |
| 19. Gains early experiences | 2 | -- | -- |
| 20. Own child in 20 years | -- | -- | -- |
| *Note.* Discussion of loss/trauma and unresolved discourse about loss/trauma were dichotomously coded. Unresolved responses were rated following the coding system by Main and Goldwyn (1994). |

**Supplemental Data for Hypothesis 1**

 The supplemental data for Hypothesis 1 are provided in Table S2.

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| Table S2 |
| *Hypothesis 1: The Effects of Responding to Questions about Loss and Trauma on ANS Reactivity, and Moderation by Unresolved/disorganised Status* |
|  | IBI (ms) | lnRSA (ms) | PEP (ms) | SCL (μS) |
| Fixed effects | *B (SE)* | ΔDS | *B (SE)* | ΔDS | *B (SE)* | ΔDS | *B (SE)* | ΔDS |
| Model 1 |  |  |  |  |  |  |  |  |
| Intercept | 719.78 (5.39) |  | 4.06 (0.03)\*\*\* |  | 92.85 (1.26)\*\*\* |  | 5.79 (0.18) |  |
| Model 2 |  | 947\*\*\* |  | 499\*\*\* |  | 62\*\*\* |  | 706\*\*\* |
| Intercept | 681.91 (5.56)\*\*\* |  | 3.82 (0.03)\*\*\* |  | 92.76 (1.28)\*\*\* |  | 5.61 (0.18)\*\*\* |  |
| Loss question | 61.28 (2.64)\*\*\* |  | 0.08 (0.05) |  | 1.58 (0.49)\*\* |  | 0.21 (0.03)\*\*\* |  |
| Loss response | 40.01 (2.69)\*\*\* |  | 0.40 (0.04)\*\*\* |  | -0.31 (0.50) |  | 0.88 (0.07)\*\*\* |  |
| Abuse question | 44.79 (2.63)\*\*\* |  | -0.17 (0.05)\*\*\* |  | 0.99 (0.49)\* |  | 0.22 (0.03)\*\*\* |  |
| Abuse response | 36.69 (2.70)\*\*\* |  | 0.36 (0.04)\*\*\* |  | -1.11 (0.50)\* |  | 0.89 (0.08)\*\*\* |  |
| Other trauma question | 60.74 (2.63)\*\*\* |  | 0.16 (0.04)\*\*\* |  | -0.20 (0.49) |  | 0.24 (0.03)\*\*\* |  |
| Other trauma response | 47.11 (2.72)\*\*\* |  | 0.37 (0.04)\*\*\* |  | -0.34 (0.50) |  | 0.96 (0.07)\*\*\* |  |
| Model 3 |  | 0 |  | 1 |  | 0 |  | 0 |
| Intercept | 680.22 (6.25)\*\*\* |  | 3.80 (0.04)\*\*\* |  | 92.62 (1.44)\*\*\* |  | 5.69 (0.20)\*\*\* |  |
| Loss question | 61.28 (2.64)\*\*\* |  | 0.08 (0.05) |  | 1.58 (0.49)\*\* |  | 0.21 (0.03)\*\*\* |  |
| Loss response | 40.01 (2.69)\*\*\* |  | 0.40 (0.04)\*\*\* |  | -0.31 (0.50) |  | 0.88 (0.07)\*\*\* |  |
| Abuse question | 44.79 (2.63)\*\*\* |  | -0.17 (0.05)\*\*\* |  | 0.99 (0.49)\* |  | 0.22 (0.03)\*\*\* |  |
| Abuse response | 36.69 (2.70)\*\*\* |  | 0.36 (0.04)\*\*\* |  | -1.11 (0.50)\* |  | 0.89 (0.08)\*\*\* |  |
| Other trauma question | 60.74 (2.63)\*\*\* |  | 0.16 (0.04)\*\*\* |  | -0.20 (0.49) |  | 0.24 (0.03)\*\*\* |  |
| Other trauma response | 47.11 (2.72)\*\*\* |  | 0.37 (0.04)\*\*\* |  | -0.34 (0.50) |  | 0.96 (0.07)\*\*\* |  |
| U/d status | 7.79 (13.11) |  | 0.09 (0.07) |  | 0.64 (3.06) |  | -0.41 (0.43) |  |
| Model 4 |  | 24 |  | 26 |  | 35\*\* |  | 30\* |
| Intercept | 681.26 (6.30)\*\*\* |  | 3.81 (0.04) |  | 92.12 (1.45)\*\*\* |  | 5.65 (0.20)\*\*\* |  |
| Loss question | 61.68 (2.99)\*\*\* |  | 0.07 (0.05) |  | 1.88 (0.56)\*\* |  | 0.25 (0.04)\*\*\* |  |
| Loss response | 39.88 (3.04)\*\*\* |  | 0.40 (0.04)\*\*\* |  | 0.15 (0.56) |  | 0.98 (0.08)\*\*\* |  |
| Abuse question | 45.18 (2.97)\*\*\* |  | -0.16 (0.05)\*\* |  | 1.34 (0.55)\* |  | 0.26 (0.04)\*\*\* |  |
| Abuse response | 35.78 (3.06)\*\*\* |  | 0.36 (0.04)\*\*\* |  | -0.70 (0.56) |  | 1.00 (0.08)\*\*\* |  |
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| Table S2 Continued |  |  |  |  |  |  |  |  |
|  | IBI (ms) |  | lnRSA (ms) |  | PEP (ms) |  | SCL (μS) |  |
| Fixed effects | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  |
| Model 4 Continued |  |  |  |  |  |  |  |  |
| Other trauma question | 62.53 (2.99)\*\*\* |  | 0.13 (0.05)\*\* |  | 0.68 (0.56) |  | 0.26 (0.04)\*\*\* |  |
| Other trauma response | 45.70 (3.08)\*\*\* |  | 0.35 (0.04)\*\*\* |  | 0.40 (0.56) |  | 1.02 (0.08)\*\*\* |  |
| U/d status | 3.18 (13.50) |  | 0.08 (0.08) |  | 2.86 (3.12) |  | -0.23 (0.44) |  |
| Loss question\*U/d | -2.06 (6.38) |  | 0.05 (0.11) |  | -1.29 (1.20) |  | -0.16 (0.08)\* |  |
| Loss response \*U/d | 0.39 (6.50) |  | 0.02 (0.09) |  | -2.02 (1.19) |  | -0.46 (0.18)\* |  |
| Abuse question \*U/d | -1.80 (6.37) |  | -0.08 (0.14) |  | -1.49 (1.21) |  | -0.16 (0.08)\* |  |
| Abuse response\*U/d | 4.02 (6.54) |  | 0.03 (0.09) |  | -1.80 (1.20) |  | -0.52 (0.18)\*\* |  |
| Other trauma question \*U/d | -7.93 (6.31) |  | 0.13 (0.09) |  | -3.88 (1.18)\*\* |  | -0.12 (0.08) |  |
| Other trauma response\*U/d | 6.27 (6.54) |  | 0.07 (0.09) |  | -3.34 (1.21)\*\* |  | -0.32 (0.18) |  |
| *Note.* ΔDS = decrease in deviance statistic (Log-likelihood). U/d = being classified as unresolved/disorganised (dichotomous). Interview questions and women’s responses to the questions were coded as dummy variables with the first question and response as reference (baseline). All 21 interview questions and responses were included in the analyses, but only the questions about loss or trauma are reported here (10109 within-subject observations). \* *p* < .05 \*\* *p* < .01 \*\*\* *p* < .001 |

**Supplemental Data for Hypothesis 2**

 Table S3 shows the full models for Hypothesis 2. For these analyses, we used a combined variable of loss/trauma discussed (0 = no loss/trauma discussed, 1 = loss/trauma discussed). We included a random slope for discussing loss/trauma, allowing participants to vary in their ANS reactivity when speaking about these experiences.

**Discussions of loss or trauma separately.** Additionally, the analyses for Hypothesis 2 were performed with separate variables indicating loss *or* trauma (dichotomously coded).

***IBI.*** The model fit improved when discussions of loss/trauma were added to the model with the interview reponses (X2 (6) = 827.91, *p* < .001). Discussing loss was significantly associated with smaller IBIs, indicating higher heart rate (*B* = -5.89, *SE* = 2.09, *p* = .005). There was no signification relation between discussing trauma and IBI (*B* = 0.95, *SE* = 2.39, *p* = .691). In the next step, unresolved/disorganised status was added as predictor, but this did not improve the model fit (X2 (1) = 0.362, *p* = .547). Nor did the model fit improve when the interaction between discussing loss/trauma and unresolved/disorganised status was added (X2 (2) = 1.902, *p* = .386).

***RSA.***The model fit improved when discussions of loss/trauma were added as predictors (X2 (6) = 31.94, *p* < .001). However, there was no significant relation between RSA and discussing loss (*B* = 0.04, *SE* = 0.02, *p* = .080) or discussing trauma (*B* = 0.04, *SE* = 0.03, *p* = .106). The model fit did not improve when unresolved/disorganised status was added as predictor (X2 (1) = 1.46, *p* = .227). Nor did the model fit improve when the interaction term was added (X2 (2) = 1.13, *p* = .567).

***PEP.*** The model fit improved when discussions of loss/trauma were added as predictors (X2 (6) = 404.01, *p* < .001). However, there was no significant relation between PEP and discussing loss (*B* = 0.05, *SE* = 0.41, *p* = 0.903) or discussing trauma (*B* = -0.61, *SE* = 0.48, *p* = 0.203). Including unresolved/disorganised status as predictor did not improve the model fit (X2 (1) = 0.04, *p* = .840). Nor did the model fit improve when the interaction term was added (X2 (2) = 1.12, *p* = .570).

***SCL.*** The model fit improved when discussions of loss/trauma were added as predictors (X2 (6) = 3580.80, *p* < .001). Discussing loss was associated with higher SCL (*B* = 0.16, *SE* = 0.06, *p* = .011), but there was no association between discussing trauma and SCL (*B* = -0.09, *SE* = 0.08, *p* = .257). In the next step, unresolved/disorganised status was added as predictor, but this did not improve the model fit (X2 (1) = 1.491, *p* = .222). Nor did the model fit improve when the interaction term was added (X2 (2) = 1.37, *p* = .503).

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| Table S3 |
| *Hypothesis 2: The Association Between Discussion of Actual Loss/Trauma and ANS Reactivity, and Moderation by Unresolved/disorganised Status* |
|  | IBI (ms) | lnRSA (ms) | PEP (ms) | SCL (μS) |
| Fixed effects | *B (SE)* | ΔDS | *B (SE)* | ΔDS | *B (SE)* | ΔDS | *B (SE)* | ΔDS |
| Model 1 |  |  |  |  |  |  |  |  |
| Intercept | 714.37 (5.31)\*\*\* |  | 4.19 (0.03)\*\*\* |  | 92.43 (1.27)\*\*\* |  | 5.55 (0.17)\*\*\* |  |
| Model 2 |  | 369\*\*\* |  | 104\*\*\* |  | 25\*\*\* |  | 79\*\*\* |
| Intercept | 675.86 (5.60)\*\*\* |  | 4.11 (0.03)\*\*\* |  | 91.64 (1.31)\*\*\* |  | 5.48 (0.18)\*\*\* |  |
| 2. Describe relationship | 1.38 (1.90) |  | 0.03 (0.02) |  | -0.23 (0.41) |  | 0.24 (0.04)\*\*\* |  |
| 3. Adjectives mother | 18.32 (2.27)\*\*\* |  | -0.01 (0.03) |  | 0.31 (0.47) |  | 0.41 (0.05)\*\*\* |  |
| 4. Adjectives father | 18.32 (2.43)\*\*\* |  | 0.02 (0.03) |  | 0.22 (0.49) |  | 0.56 (0.06)\*\*\* |  |
| 5. Which parent closest | 32.85 (2.49)\*\*\* |  | 0.02 (0.03) |  | 1.47 (0.50)\*\* |  | 0.54 (0.07)\*\*\* |  |
| 6. Upset/hurt/ill | 35.68 (2.52)\*\*\* |  | 0.09 (0.03)\*\* |  | 0.78 (0.50) |  | 0.43 (0.08)\*\*\* |  |
| 7. Separation | 35.46 (2.54)\*\*\* |  | 0.05 (0.03) |  | 1.02 (0.50)\* |  | 0.32 (0.08)\*\*\* |  |
| 8. Rejection | 40.89 (2.54)\*\*\* |  | -0.01 (0.03) |  | 1.89 (0.50)\*\*\* |  | 0.30 (0.08)\*\*\* |  |
| 8a. Frightened/worried | 38.43 (2.55)\*\*\* |  | 0.02 (0.03) |  | 1.04 (0.50)\* |  | 0.25 (0.09)\*\* |  |
| 9. Abuse | 42.71 (2.54)\*\*\* |  | 0.08 (0.03)\*\* |  | 0.03 (0.50) |  | 0.35 (0.09)\*\*\* |  |
| 10. Effects | 42.66 (2.54)\*\*\* |  | 0.12 (0.03)\*\*\* |  | 0.75 (0.50) |  | 0.20 (0.09)\* |  |
| 11. Why did parents behave | 43.42 (2.55)\*\*\* |  | 0.09 (0.03)\*\*\* |  | 1.15 (0.50)\* |  | 0.09 (0.09) |  |
| 12. Other adults | 49.52 (2.56)\*\*\* |  | 0.07 (0.03)\* |  | 1.26 (0.50)\* |  | -0.004 (0.10) |  |
| 13. Loss | 46.16 (2.54)\*\*\* |  | 0.12 (0.03)\*\*\* |  | 0.79 (0.50) |  | 0.06 (0.10) |  |
| 14. Other trauma | 53.33 (2.55)\*\*\* |  | 0.08 (0.03)\*\* |  | 0.78 (0.50) |  | 0.05 (0.10) |  |
| 15. Changes relationship | 45.67 (2.55)\*\*\* |  | 0.14 (0.03)\*\*\* |  | 1.30 (0.50)\*\* |  | -0.08 (0.10) |  |
| 16. Current relationship | 51.66 (2.55)\*\*\* |  | 0.15 (0.03)\*\*\* |  | 0.45 (0.50) |  | -0.15 (0.10) |  |
|  |  |  |  |  |  |  |  |  |
| Table S3 Continued (1) |  |  |  |  |  |  |  |  |
|  | IBI (ms) |  | lnRSA (ms) |  | PEP (ms) |  | SCL (μS) |  |
| Fixed effects | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  |
| Model 2 Continued |  |  |  |  |  |  |  |  |
| 17. Separation own child | 53.31 (2.55)\*\*\* |  | 0.21 (0.03)\*\*\* |  | 1.03 (0.50)\* |  | -0.04 (0.10) |  |
| 18. Wishes own child | 59.38 (2.55)\*\*\* |  | 0.16 (0.03)\*\*\* |  | 0.28 (0.50) |  | -0.007 (0.10) |  |
| 19. Gains early experieces | 57.56 (2.55)\*\*\* |  | 0.15 (0.03)\*\*\* |  | 0.91 (0.50) |  | -0.12 (0.10) |  |
| 20. Own child in 20 years | 62.66 (2.55)\*\*\* |  | 0.14 (0.03)\*\*\* |  | 1.34 (0.50)\*\* |  | -0.14 (0.10) |  |
| Model 3 |  | 415\*\*\* |  | 16\*\*\* |  | 202\*\*\* |  | 1798\*\*\* |
| Intercept  | 678.11 (5.70)\*\*\* |  | 4.09 (0.04)\*\*\* |  | 91.76 (1.33)\*\*\* |  | 5.42 (0.18)\*\*\* |  |
| 2. Describe relationship | -0.54 (2.55) |  | 0.05 (0.03) |  | -0.31 (0.51) |  | 0.25 (0.08)\*\* |  |
| 3. Adjectives mother | 16.40 (2.50)\*\*\* |  | 0.01 (0.03) |  | 0.25 (0.50) |  | 0.45 (0.08)\*\*\* |  |
| 4. Adjectives father | 24.30 (2.51)\*\*\* |  | 0.04 (0.03) |  | 0.13 (0.50) |  | 0.62 (0.08)\*\*\* |  |
| 5. Which parent closest | 30.33 (2.58)\*\*\* |  | 0.04 (0.03) |  | 1.34 (0.52) |  | 0.61 (0.08)\*\*\* |  |
| 6. Upset/hurt/ill | 33.68 (2.54)\*\*\* |  | 0.11 (0.03)\*\*\* |  | 0.70 (0.51) |  | 0.52 (0.08)\*\*\* |  |
| 7. Separation | 33.35 (2.58)\*\*\* |  | 0.07 (0.03)\*\* |  | 0.92 (0.52) |  | 0.38 (0.08)\*\*\* |  |
| 8. Rejection | 38.86 (2.58)\*\*\* |  | 0.01 (0.03) |  | 1.77 (0.52)\*\*\* |  | 0.37 (0.08)\*\*\* |  |
| 8a. Frightened/worried | 36.13 (2.58)\*\*\* |  | 0.04 (0.03) |  | 0.91 (0.52) |  | 0.31 (0.08)\*\*\* |  |
| 9. Abuse | 41.31 (2.46)\*\*\* |  | 0.08 (0.03)\*\* |  | -0.04 (0.49) |  | 0.41 (0.08)\*\*\* |  |
| 10. Effects | 40.87 (2.54)\*\*\* |  | 0.14 (0.03)\*\*\* |  | 0.64 (0.51) |  | 0.23 (0.08)\*\*\* |  |
| 11. Why did parents behave | 4.10 (2.59)\*\*\* |  | 0.11 (0.03)\*\*\* |  | 1.07 (0.52)\* |  | 0.16 (0.08) |  |
| 12. Other adults | 47.80 (2.57)\*\*\* |  | 0.08 (0.03)\*\* |  | 1.15 (0.51)\* |  | 0.05 (0.08) |  |
| 13. Loss | 47.15 (2.49)\*\*\* |  | 0.10 (0.03)\*\*\* |  | 0.90 (0.50) |  | 0.07 (0.08) |  |
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| Table S3 Continued (2) |  |  |  |  |  |  |  |  |
|  | IBI (ms) |  | lnRSA (ms) |  | PEP (ms) |  | SCL (μS) |  |
| Fixed effects | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  |
| Model 3 Continued |  |  |  |  |  |  |  |  |
| 14. Other trauma | 51.09 (2.55)\*\*\* |  | 0.10 (0.03)\*\*\* |  | 0.68 (0.51) |  | 0.11 (0.08) |  |
| 15. Changes relationship | 43.35 (2.57)\*\*\* |  | 0.16 (0.03)\*\*\* |  | 1.17 (0.51)\* |  | -0.01 (0.08) |  |
| 16. Current relationship | 49.64 (2.58)\*\*\* |  | 0.17 (0.03)\*\*\* |  | 0.37 (0.52) |  | -0.07 (0.08) |  |
| 17. Separation own child | 50.90 (2.59)\*\*\* |  | 0.24 (0.03)\*\*\* |  | 0.95 (0.52) |  | 0.03 (0.08) |  |
| 18. Wishes own child | 57.26 (2.60)\*\*\* |  | 0.18 (0.03)\*\*\* |  | 0.16 (0.52) |  | 0.07 (0.08) |  |
| 19. Gains early experieces | 55.44 (2.59)\*\*\* |  | 0.17 (0.03)\*\*\* |  | 0.85 (0.52) |  | -0.04 (0.08) |  |
| 20. Own child in 20 years | 60.31 (2.60)\*\*\* |  | 0.16 (0.03)\*\*\* |  | 1.23 (0.52)\* |  | -0.06 (0.08) |  |
| Loss/trauma discussed | -3.46 (1.63)\* |  | 0.04 (0.02)\* |  | -0.23 (0.31) |  | 0.05 (0.05) |  |
| Model 5 |  | 1 |  | 1 |  | 0 |  | 1 |
| Intercept  | 675.87 (6.36)\*\*\* |  | 4.07 (0.04)\*\*\* |  | 91.65 (1.48)\*\*\* |  | 5.54 (0.20)\*\*\* |  |
| 2. Describe relationship | -0.35 (2.56) |  | 0.05 (0.03) |  | -0.33 (0.51) |  | 0.24 (0.08)\*\* |  |
| 3. Adjectives mother | 16.56 (2.51)\*\*\* |  | 0.01 (0.03) |  | 0.24 (0.50) |  | 0.44 (0.08)\*\*\* |  |
| 4. Adjectives father | 24.50 (2.52)\*\*\* |  | 0.04 (0.03) |  | 0.11 (0.50) |  | 0.61 (0.08)\*\*\* |  |
| 5. Which parent closest | 30.47 (2.58)\*\*\* |  | 0.04 (0.03) |  | 1.33 (0.52)\* |  | 0.61 (0.08)\*\*\* |  |
| 6. Upset/hurt/ill | 33.83 (2.54)\*\*\* |  | 0.11 (0.03)\*\*\* |  | 0.68 (0.51) |  | 0.51 (0.08)\*\*\* |  |
| 7. Separation | 33.51 (2.58)\*\*\* |  | 0.07 (0.03)\*\* |  | 0.90 (0.52) |  | 0.38 (0.08)\*\*\* |  |
| 8. Rejection | 39.04 (2.58)\*\*\* |  | 0.01 (0.03) |  | 1.75 (0.52)\*\*\* |  | 0.37 (0.08)\*\*\* |  |
| 8a. Frightened/worried | 36.32 (2.58)\*\*\* |  | 0.05 (0.03) |  | 0.89 (0.52) |  | 0.31 (0.08)\*\*\* |  |
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|  |  |  |  |  |  |  |  |  |
| Table S3 Continued (3) |  |  |  |  |  |  |  |  |
|  | IBI (ms) |  | lnRSA (ms) |  | PEP (ms) |  | SCL (μS) |  |
| Fixed effects | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  |
| Model 5 Continued |  |  |  |  |  |  |  |  |
| 9. Abuse | 41.43 (2.46)\*\*\* |  | 0.08 (0.03)\* |  | -0.05 (0.49) |  | 0.40 (0.08)\*\*\* |  |
| 10. Effects | 41.06 (2.55)\*\*\* |  | 0.14 (0.03)\*\*\* |  | 0.63 (0.51) |  | 0.28 (0.08)\*\*\* |  |
| 11. Why did parents behave | 41.26 (2.60)\*\*\* |  | 0.11 (0.03)\*\*\* |  | 1.05 (0.52)\* |  | 0.15 (0.08) |  |
| 12. Other adults | 47.97 (2.57)\*\*\* |  | 0.09 (0.03)\*\* |  | 1.15 (0.51)\* |  | 0.08 (0.08) |  |
| 13. Loss | 46.97 (2.49)\*\*\* |  | 0.10 (0.03)\*\*\* |  | 0.92 (0.50) |  | 0.08 (0.08) |  |
| 14. Other trauma | 51.24 (2.55)\*\*\* |  | 0.10 (0.03)\*\*\* |  | 0.66 (0.51) |  | 0.11 (0.08) |  |
| 15. Changes relationship | 43.52 (2.58)\*\*\* |  | 0.16 (0.03)\*\*\* |  | 1.15 (0.52)\* |  | -0.01 (0.08) |  |
| 16. Current relationship | 49.79 (2.59)\*\*\* |  | 0.17 (0.03)\*\*\* |  | 0.35 (0.52) |  | -0.07 (0.08) |  |
| 17. Separation own child | 51.05 (2.59)\*\*\* |  | 0.24 (0.03)\*\*\* |  | 0.93 (0.52) |  | 0.03 (0.08) |  |
| 18. Wishes own child | 57.41 (2.60)\*\*\* |  | 0.18 (0.03)\*\*\* |  | 0.15 (0.52) |  | 0.07 (0.08) |  |
| 19. Gains early experieces | 55.58 (2.60)\*\*\* |  | 0.17 (0.03)\*\*\* |  | 0.84 (0.52) |  | -0.05 (0.08) |  |
| 20. Own child in 20 years | 60.46 (2.60)\*\*\* |  | 0.16 (0.03)\*\*\* |  | 1.22 (0.52)\* |  | -0.07 (0.08) |  |
| Loss/trauma discussed | -2.40 (1.87) |  | 0.05 (0.02)\* |  | -0.32 (0.36) |  | 0.01 (0.06) |  |
| U/d | 9.63 (13.04) |  | 0.09 (0.07) |  | 0.57 (3.08) |  | -0.57 (0.43) |  |
| Loss/trauma discussed\*U/d | -3.22 (2.70) |  | -0.02 (0.03) |  | 0.25 (0.50) |  | 0.10 (0.08) |  |
| *Note.* ΔDS = decrease in deviance statistic (Log-likelihood). U/d = being classified as unresolved/disorganised (dichotomous). Responses to the interview questions were coded as dummy variables with the first question as reference (baseline). All 21 interview questions were included in the analyses (5004 within-subject observations). Model 4 is not reported in this table (main effects of unresolved/disorganised status). \* *p* < .05 \*\* *p* < .01 \*\*\* *p* < .001 |

**Supplemental Data for Hypothesis 3**

 The analyses for Hypothesis 3 were also performed with separate variables indicating unresolved discourse about loss *or* trauma (dichotomously coded).

***IBI.*** The model fit improved when unresolved discourse was added to the model with the interview responses (X2 (2) = 6.48, *p* < .05). Unresolved discourse about loss was associated with smaller IBI (*B* = -5.58, *SE* = 2.36, *p* = 0.018). There was no significant relation between unresolved discourse about trauma and IBI (*B* = -2.62, *SE* = 2.60, *p* = 0.313). Including the interaction between the interview responses and unresolved discourse led to nonconvergence.

***RSA.*** There was no model fit improvement when unresolved discourse was added as predictor (X2 (2) = 2.66, *p* = .265). Including the interaction term led to nonconvergence.

***PEP.*** There was no model fit improvement when unresolved discourse was added as predictor (X2 (2) = 3.00, *p* = .224). Including the interaction term led to nonconvergence.

***SCL.*** There was no model fit improvement when unresolved discourse was added as predictor (X2 (2) = 2.74, *p* = .254). Including the interaction term led to nonconvergence.

**Supplemental Data for Hypothesis 4**

Table S4 shows the full models for Hypothesis 4. For these analyses, we used combined variables of loss/trauma discussed (0 = no loss/trauma discussed, 1 = loss/trauma discussed) and unresolved discourse (0 = no unresolved discourse, 1 = unresolved discourse). We included a random slope for discussing loss/trauma.

**Discussions of loss or trauma separately.** Additionally, the analyses for Hypothesis 4 were performed with separate variables indicating discussions of loss *or* trauma and unresolved discourse about loss *or* trauma (dichotomously coded).

***IBI.*** The model fit improved when discussions of loss/trauma and unresolved discourse were added to the model with the interview responses (X2 (8) = 600.02, *p* < .001). Discussing loss (*B* = -4.12, *SE* = 2.09, *p* = .049) and unresolved discourse about loss (*B* = -5.59, *SE* = 2.91, *p* = 0.047) were associated with smaller IBI, indicating higher heart rate. Neither discussing trauma (*B* = 1.23, *SE* = 3.02, *p* = .681) nor unresolved discourse about trauma (*B* = 3.51, *SE* = 3.93, *p* = .372) were significantly associated with IBI. Including the interaction between discussions of loss/trauma and unresolved discourse led to nonconvergence.

***RSA.*** There was no improved model fit when discussions of loss/trauma and unresolved discourse were added as predictors (X2 (8) = 14.46, *p* = 0.071). Including the interaction term led to nonconvergence.

***PEP.*** The model fit improved when discussions of loss/trauma and unresolved discourse were added as predictors (X2 (8) = 261.48, *p* < .001). However, there was no significant association between PEP and discussing loss (*B* = -0.09, *SE* = 0.43, *p* = .835), discussing trauma (*B* = -0.26, *SE* = 0.61, *p* = .667), unresolved discourse about loss (*B* = 0.34, *SE* = 0.57, *p* = .548), and unresolved discourse about trauma (*B* = -0.72, *SE* = 0.80, *p* = .370). Including the interaction term led to nonconvergence.

***SCL.*** The model fit improved when discussions of loss/trauma and unresolved discourse were added as predictors (X2 (8) = 2743.60, *p* < .001). However, there was no significant association between SCL and discussing loss (*B* = 0.12, *SE* = 0.07, *p* = .065), discussing trauma (*B* = -0.05, *SE* = 0.10, *p* = .613), unresolved discourse about loss (*B* = 0.14, *SE* = 0.09, *p* = .117), and unresolved discourse about trauma (*B* = -0.05, *SE* = 0.13, *p* = .717). Including the interaction term led to nonconvergence.

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| Table S4 |
| *Hypothesis 4: The Association Between Unresolved Discourse about Loss/Trauma and ANS Reactivity* |
|  | IBI (ms) | lnRSA (ms) | PEP (ms) | SCL (μS) |
| Fixed effects | *B (SE)* | ΔDS | *B (SE)* | ΔDS | *B (SE)* | ΔDS | *B (SE)* | ΔDS |
| Model 1 |  |  |  |  |  |  |  |  |
| Intercept | 708.23 (5.29)\*\*\* |  | 4.16 (0.03)\*\*\* |  | 92.42 (1.27)\*\*\* |  | 5.54 (0.17)\*\*\* |  |
| Model 2 |  | 259\*\*\* |  | 52\*\*\* |  | 20\*\*\* |  | 70\*\*\* |
| Intercept | 675.89 (5.56)\*\*\* |  | 4.11 (0.03)\*\*\* |  | 91.64 (1.32)\*\*\* |  | 5.46 (0.18)\*\*\* |  |
| 2. Describe relationship | 1.37 (1.87) |  | 0.03 (0.02) |  | -0.22 (0.42) |  | 0.24 (0.04)\*\*\* |  |
| 3. Adjectives mother | 18.27 (2.23)\*\*\* |  | -0.008 (0.02) |  | 0.32 (0.47) |  | 0.51 (0.05)\*\*\* |  |
| 4. Adjectives father | 25.79 (2.39)\*\*\* |  | 0.02 (0.02) |  | 0.25 (0.49) |  | 0.55 (0.06)\*\*\* |  |
| 5. Which parent closest | 32.82 (2.46)\*\*\* |  | 0.02 (0.02) |  | 1.48 (0.50)\*\* |  | 0.53 (0.07)\*\*\* |  |
| 6. Upset/hurt/ill | 35.68 (2.49)\*\*\* |  | 0.09 (0.02)\*\*\* |  | 0.79 (0.50) |  | 0.42 (0.08)\*\*\* |  |
| 7. Separation | 35.45 (2.51)\*\*\* |  | 0.05 (0.02)\* |  | 1.02 (0.50)\* |  | 0.29 (0.08)\*\*\* |  |
| 8. Rejection | 40.90 (2.51)\*\*\* |  | -0.01 (0.02) |  | 1.89 (0.50)\*\*\* |  | 0.28 (0.09)\*\* |  |
| 8a. Frightened/worried | 38.45 (2.52)\*\*\* |  | 0.03 (0.03) |  | 1.04 (0.50)\* |  | 0.21 (0.09)\* |  |
| 9. Abuse | 42.73 (2.51)\*\*\* |  | 0.08 (0.02)\*\* |  | 0.03 (0.50) |  | 0.32 (0.09)\*\*\* |  |
| 10. Effects | 42.64 (2.51)\*\*\* |  | 0.12 (0.02)\*\*\* |  | 0.76 (0.50) |  | 0.18 (0.10) |  |
| 11. Why did parents behave | 43.40 (2.52)\*\*\* |  | 0.09 (0.02)\*\*\* |  | 1.15 (0.50)\* |  | 0.06 (0.10) |  |
| 12. Other adults | 49.49 (2.53)\*\*\* |  | 0.06 (0.03)\* |  | 1.27 (0.50)\* |  | -0.03 (0.10) |  |
| 13. Loss | 46.14 (2.51)\*\*\* |  | 0.12 (0.02)\*\*\* |  | 0.80 (0.50) |  | 0.03 (0.10) |  |
| 14. Other trauma | 53.27 (2.52)\*\*\* |  | 0.08 (0.03)\*\* |  | 0.79 (0.50) |  | 0.02 (0.11) |  |
| 15. Changes relationship | 45.62 (2.51)\*\*\* |  | 0.14 (0.02)\*\*\* |  | 1.30 (0.50)\*\* |  | -0.11 (0.11) |  |
| Model 3 |  | 301\*\*\* |  | 7\*\* |  | 131\*\*\* |  | 1378\*\*\* |
| Intercept | 677.46 (5.65)\*\*\* |  | 4.09 (0.04)\*\*\* |  | 91.77 (1.33)\*\*\* |  | 5.40 (0.19)\*\*\* |  |
|  |  |  |  |  |  |  |  |  |
| Table S4 Continued (1) |  |  |  |  |  |  |  |  |
|  | IBI (ms) |  | lnRSA (ms) |  | PEP (ms) |  | SCL (μS) |  |
| Fixed effects | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  |
| Model 3 Continued |  |  |  |  |  |  |  |  |
| 2. Describe relationship | 0.12 (2.51) |  | 0.04 (0.03) |  | -0.31 (0.51) |  | 0.24 (0.08)\*\* |  |
| 3. Adjectives mother | 16.93 (2.46)\*\*\* |  | 0.01 (0.03) |  | 0.25 (0.50) |  | 0.45 (0.08)\*\*\* |  |
| 4. Adjectives father | 24.89 (2.46)\*\*\* |  | 0.04 (0.03) |  | 0.15 (0.50) |  | 0.61 (0.08)\*\*\* |  |
| 5. Which parent closest | 31.02 (2.53)\*\*\* |  | 0.03 (0.03) |  | 1.35 (0.52)\*\* |  | 0.61 (0.08)\*\*\* |  |
| 6. Upset/hurt/ill | 34.31 (2.49)\*\*\* |  | 0.11 (0.03)\*\*\* |  | 0.68 (0.51) |  | 0.51 (0.08)\*\*\* |  |
| 7. Separation | 33.97 (2.53)\*\*\* |  | 0.07 (0.03)\* |  | 0.91 (0.51) |  | 0.37 (0.08)\*\*\* |  |
| 8. Rejection | 39.54 (2.53)\*\*\* |  | 0.01 (0.03) |  | 1.76 (0.51)\*\*\* |  | 0.37 (0.08)\*\*\* |  |
| 8a. Frightened/worried | 36.83 (2.53)\*\*\* |  | 0.04 (0.03) |  | 0.90 (0.52) |  | 0.30 (0.08)\*\*\* |  |
| 9. Abuse | 42.65 (2.46)\*\*\* |  | 0.08 (0.03)\*\* |  | -0.01 (0.50) |  | 0.39 (0.08)\*\*\* |  |
| 10. Effects | 41.46 (2.49)\*\*\* |  | 0.13 (0.03)\*\*\* |  | 0.65 (0.50) |  | 0.27 (0.08)\*\*\* |  |
| 11. Why did parents behave | 41.79 (2.55)\*\*\* |  | 0.11 (0.03)\*\*\* |  | 1.05 (0.52)\* |  | 0.15 (0.08) |  |
| 12. Other adults | 48.32 (2.52)\*\*\* |  | 0.08 (0.03)\*\* |  | 1.17 (0.51)\* |  | 0.05 (0.08) |  |
| 13. Loss | 48.92 (2.65)\*\*\* |  | 0.09 (0.03)\*\*\* |  | 0.99 (0.54) |  | 0.06 (0.08) |  |
| 14. Other trauma | 51.72 (2.50)\*\*\* |  | 0.09 (0.03)\*\*\* |  | 0.67 (0.51) |  | 0.11 (0.08) |  |
| 15. Changes relationship | 44.01 (2.52)\*\*\* |  | 0.16 (0.03)\*\*\* |  | 1.17 (0.51)\* |  | -0.01 (0.08) |  |
| Loss/trauma discussed | -1.99 (1.72) |  | 0.03 (0.02) |  | -0.25 (0.34) |  | 0.03 (0.05) |  |
| Unresolved discourse | -4.05 (2.26) |  | 0.02 (0.02) |  | -0.10 (0.46) |  | 0.02 (0.07) |  |
| Model 4 |  | 0 |  | 0 |  | 0 |  | 1 |
| Intercept | 677.45 (5.66)\*\*\* |  | 4.09 (0.04)\*\*\* |  | 91.78 (1.33)\*\*\* |  | 5.40 (0.19)\*\*\* |  |
| 2. Describe relationship | 0.13 (2.51) |  | 0.04 (0.03) |  | -0.31 (0.51) |  | 0.23 (0.08)\*\* |  |
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| Table S4 Continued (2) |  |  |  |  |  |  |  |  |
|  | IBI (ms) |  | lnRSA (ms) |  | PEP (ms) |  | SCL (μS) |  |
| Fixed effects | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  |
| Model 4 Continued |  |  |  |  |  |  |  |  |
| 3. Adjectives mother | 16.94 (2.46)\*\*\* |  | 0.01 (0.03) |  | 0.25 (0.50) |  | 0.44 (0.08)\*\*\* |  |
| 4. Adjectives father | 24.88 (2.47)\*\*\* |  | 0.04 (0.03) |  | 0.15 (0.50) |  | 0.61 (0.08)\*\*\* |  |
| 5. Which parent closest | 31.03 (2.54)\*\*\* |  | 0.03 (0.03) |  | 1.34 (0.52)\*\* |  | 0.60 (0.08)\*\*\* |  |
| 6. Upset/hurt/ill | 34.32 (2.49)\*\*\* |  | 0.11 (0.03)\*\*\* |  | 0.68 (0.51) |  | 0.51 (0.08)\*\*\* |  |
| 7. Separation | 33.98 (2.53)\*\*\* |  | 0.07 (0.03)\* |  | 0.90 (0.52) |  | 0.37 (0.08)\*\*\* |  |
| 8. Rejection | 39.55 (2.53)\*\*\* |  | 0.01 (0.03) |  | 1.75 (0.52)\*\*\* |  | 0.36 (0.08)\*\*\* |  |
| 8a. Frightened/worried | 36.84 (2.53)\*\*\* |  | 0.04 (0.03) |  | 0.89 (0.52) |  | 0.30 (0.08)\*\*\* |  |
| 9. Abuse | 42.65 (2.46)\*\*\* |  | 0.08 (0.03)\*\* |  | -0.02 (0.50) |  | 0.39 (0.08)\*\*\* |  |
| 10. Effects | 41.47 (2.50)\*\*\* |  | 0.13 (0.03)\*\*\* |  | 0.64 (0.51) |  | 0.27 (0.08)\*\*\* |  |
| 11. Why did parents behave | 41.79 (2.55)\*\*\* |  | 0.11 (0.03)\*\*\* |  | 1.05 (0.52)\* |  | 0.15 (0.08) |  |
| 12. Other adults | 48.33 (2.52)\*\*\* |  | 0.08 (0.03)\*\* |  | 1.16 (0.51)\* |  | 0.05 (0.08) |  |
| 13. Loss | 48.97 (2.66)\*\*\* |  | 0.09 (0.03)\*\*\* |  | 0.97 (0.54) |  | 0.10 (0.08) |  |
| 14. Other trauma | 51.74 (2.51)\*\*\* |  | 0.09 (0.03)\*\*\* |  | 0.67 (0.51) |  | 0.10 (0.08) |  |
| 15. Changes relationship | 44.02 (2.53)\*\*\* |  | 0.16 (0.03)\*\*\* |  | 1.16 (0.51)\* |  | -0.02 (0.08) |  |
| Loss/trauma discussed | -1.95 (1.74) |  | 0.03 (0.02) |  | -0.27 (0.35) |  | 0.02 (0.05) |  |
| Unresolved discourse | -3.06 (6.82) |  | 0.01 (0.07) |  | -0.49 (1.37) |  | -0.19 (0.21) |  |
| Loss/trauma discussed\*U/d discourse | -1.11 (7.16) |  | 0.02 (0.07) |  | 0.44 (1.44) |  | 0.23 (0.22) |  |
| *Note.* ΔDS = decrease in deviance statistic (Log-likelihood). Unresolved discourse = the presence of unresolved/disorganised responses about loss/trauma (following Main & Goldwyn, 1994). Responses to the interview questions were coded as dummy variables with the first question as reference (baseline). The first 15 interview questions were included in the analyses (3829 within-subject observations). \* *p* < .05 \*\* *p* < .01 \*\*\* *p* < .001 |

**Supplemental data for the exploratory analyses**

 Table S5 presents supplemental data for the trajectories of ANS response throughout the Adult Attachment Interview as a whole.

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| Table S5 |
| *Exploratory Analysis Results: Trajectories of ANS Response Throughout the Adult Attachment Interview, and Moderation by Unresolved/disorganised Status* |
|  | IBI (ms) | lnRSA (ms) | PEP (ms) | SCL (μS) |
|  | *B (SE)* | ΔDS | *B (SE)* | ΔDS | *B (SE)* | ΔDS | *B (SE)* | ΔDS |
| Fixed effects |  |  |  |  |  |  |  |  |
| Model 1 |  |  |  |  |  |  |  |  |
| Intercept | 720.14 (5.39)\*\*\* |  | 4.06 (0.03)\*\*\* |  | 92.86 (1.26)\*\*\* |  | 5.45 (0.17)\*\*\* |  |
| Model 2 (Linear) |  | 488\*\*\* |  | 162\*\*\* |  | 42\*\*\* |  | 3481\*\*\* |
| Intercept | 693.98 (5.95)\*\*\* |  | 3.90 (0.04)\*\*\* |  | 92.29 (1.46)\*\*\* |  | 5.85 (0.21)\*\*\* |  |
| Time | 1.18 (0.09)\*\*\* |  | 0.01 (0.001)\*\*\* |  | 0.02 (0.01) |  | -0.01 (0.003) |  |
| U/d | 3.31 (12.78) |  | 0.06 (0.08) |  | 1.94 (3.13) |  | -0.47 (0.45) |  |
| Time\*U/d | 0.21 (0.19) |  | 0.01 (0.001) |  | -0.06 (0.03)\* |  | -0.01 (0.01) |  |
| Model 3 (Quadratic) |  | 130\*\*\* |  | 2 |  | 13\*\*\* |  | 205\*\*\* |
| Intercept | 658.53 (6.45)\*\*\* |  | 3.86 (0.05)\*\*\* |  | 89.98 (1.53)\*\*\* |  | 4.78 (0.22)\*\*\* |  |
| Time | 2.87 (0.15)\*\*\* |  | 0.01 (0.002)\*\*\* |  | 0.13 (0.03)\*\*\* |  | 0.05 (0.004)\*\*\* |  |
| U/d | 2.64 (13.83) |  | -0.05 (0.11) |  | 5.34 (3.28) |  | 0.64 (0.47) |  |
| Time^2 | -2182.20 (152.33)\*\*\* |  | -2.10 (2.27) |  | -139.67 (28.27)\*\*\* |  | -65.78 (3.21)\*\*\* |  |
| Time\*U/d | 0.24 (0.31) |  | 0.01 (0.004) |  | -0.23 (0.05)\*\*\* |  | -0.06 (0.01)\*\*\* |  |
| Time^2\*U/d | -48.18 (325.47) |  | -6.04 (4.89) |  | 206.56 (60.88)\*\* |  | 68.53 (6.92)\*\*\* |  |
| Model 4 (Cubic) |  | 25\*\*\* |  | 9\*\*\* |  | 2 |  | 272\*\*\* |
| Intercept | 620.67 (8.72)\*\*\* |  | 3.46 (0.11)\*\*\* |  | 87.83 (1.89)\*\*\* |  | 2.02 (0.25)\*\*\* |  |
| Time | 4.68 (0.32)\*\*\* |  | 0.03 (0.005)\*\*\* |  | 0.23 (0.06)\*\*\* |  | 0.18 (0.01)\*\*\* |  |
| U/d | 6.85 (18.66) |  | 0.20 (0.23) |  | 6.78 (4.06) |  | 2.01 (0.53)\*\*\* |  |
| Time^2 | -8008.69 (917.04)\*\*\* |  | -60.48 (13.87)\*\*\* |  | -464.11 (170.75)\*\* |  | -490.80 (18.86)\*\*\* |  |
| Time^3 | 3692.92 (573.20)\*\*\* |  | 36.99 (8.68)\*\*\* |  | 205.49 (106.65) |  | 269.36 (11.79)\*\*\* |  |
| Time\*U/d | 0.04 (0.68) |  | -0.01 (0.01) |  | -0.29 (0.13)\* |  | -0.12 (0.02)\*\*\* |  |
| Time^2\*U/d | 594.10 (1956.11) |  | 30.68 (29.56) |  | 422.212 (366.40) |  | 278.17 (40.53)\*\*\* |  |
| Time^3\*U/d | -404.75 (1223.30) |  | -23.26 (18.48) |  | -136.32 (229.54) |  | -132.76 (25.34)\*\*\* |  |
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| Table S5 Continued |  |  |  |  |  |  |  |  |
|  | IBI (ms) |  | lnRSA (ms) |  | PEP (ms) |  | SCL (μS) |  |
| Fixed effects | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  | *B (SE)* |  |
| Model 5 (Quartic) |  | 1 |  | 24\*\*\* |  | 3\* |  | 122\*\*\* |
| Intercept | 638.45 (14.33)\*\*\* |  | 2.32 (0.21)\*\*\* |  | 91.61 (2.87)\*\*\* |  | -1.34 (0.34)\*\*\* |  |
| Time | 3.83 (0.63)\*\*\* |  | 0.08 (0.01)\*\*\* |  | 0.05 (0.12) |  | 0.34 (0.01)\*\*\* |  |
| U/d | -15.47 (30.56) |  | 0.42 (0.44) |  | 10.87 (6.13) |  | 2.71 (0.73)\*\*\* |  |
| Time^2 | -3114.45 (3262.79) |  | -363.02 (49.07)\*\*\* |  | 557.76 (607.04) |  | -1412.97 (66.28)\*\*\* |  |
| Time^3 | -3522.91 (4652.05) |  | 484.36 (70.16)\*\*\* |  | -1300.94 (865.38) |  | 1628.72 (94.48)\*\*\* |  |
| Time^4 | 3388.52 (2167.94) |  | -210.51 (32.76)\*\*\* |  | 707.38 (403.26) |  | -638.27 (44.02)\*\*\* |  |
| Time\*U/d | 1.11 (1.34) |  | -0.02 (0.02) |  | -0.49 (0.25) |  | -0.16 (0.03)\*\*\* |  |
| Time^2\*U/d | -5553.43 (6953.85) |  | 86.73 (104.73) |  | 1537.03 (1301.89) |  | 469.10 (142.37)\*\* |  |
| Time^3\*U/d | 8660.93 (9922.65) |  | -104.93 (150.13) |  | -1789.40 (1860.32) |  | -412.99 (203.13)\* |  |
| Time^4\*U/d | -4257.86 (4626.81) |  | 38.04 (70.24) |  | 779.62 (868.43) |  | 131.21 (94.70) |  |
| *Note.* ΔDS = decrease in deviance statistic (Log-likelihood). U/d = classified as unresolved/disorganised (dichotomous).\* *p* < .05 \*\* *p* < .01 \*\*\* *p* < .001 |