**Supplementary Materials for Perra, Paine, & Hay (DPP-2018-00125.R2)**

Figure 1A.

*Frequencies of responses by item and by measurement occasion. Responses categories were derived by averaging scores across informants. Higher scores indicate more frequent display of behaviour*



**Toddlerhood**

**Infancy**

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**Early Childhood**

Table 1A.

*Log-Likelihood (LL) and LL correction factor, Information Criteria, and Entropy of latent class models of angry-aggressiveness by age, displayed in order of increasing latent number of latent classes.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Age and number and type of classes | LL | LLCorrectionFactor | Parameters | BIC | aBIC | Entropy |
| Infancy: 2 classes | -3083.12 | 1.01 | 40 | 6394.93 | 6268.07 | 0.85 |
| Infancy: 3 classes | -3053.05 | 1.06 | 49 | 6386.23 | 6230.83 | 0.84 |
| Infancy: 3-ordered classes | -3060.03 | 1.00 | 41 | **6354.46** | **6224.43** | 0.79 |
| Infancy: 4 classes | -3046.37 | 1.00 | 58 | 6424.32 | 6240.37 | 0.86 |
| Infancy: 4-ordered classes | -3058.6 | 1.06 | 42 | 6357.32 | **6224.12** | 0.83 |
| Toddlerhood: 2 classes | -3061.72 | 1.04 | 44 | 6374.99 | 6235.44 | 0.73 |
| Toddlerhood: 3 classes | -3008.82 | 1.02 | 57 | 6343.52 | 6162.74 | 0.72 |
| Toddlerhood: 3-ordered classes | -3015.77 | 1.02 | 45 | 6288.8 | 6146.08 | 0.72 |
| Toddlerhood: 4 classes | -2993.86 | 1.02 | 70 | 6387.9 | 6165.9 | 0.77 |
| Toddlerhood: 4-ordered classes | -3010.42 | 1.10 | 46 | **6283.82** | **6137.93** | 0.76 |
| Early Childhood: 2 classes | -3094.26 | 1.02 | 43 | 6434.35 | 6297.97 | 0.66 |
| Early Childhood: 3 classes | -3055.74 | 1.03 | 55 | 6425.92 | 6251.49 | 0.66 |
| Early Childhood: 3-ordered classes | -3066.4 | 1.05 | 44 | **6384.35** | **6244.80** | 0.66 |
| Early Childhood: 4 classes | -3036.92 | 1.03 | 67 | 6456.89 | **6244.39** | 0.72 |
| Early Childhood: 4-ordered classes | -3065.13 | 1.02 | 45 | 6387.53 | **6244.81** | 0.61 |

Table 2A.

*Adjusted Odds Ratios (OR) and Standard Errors (SE) of being in the High or Moderate angry-aggressive class compared to the Low angry-aggressive class, by parental Endorsement of Physical Punishment and by age, N=304.*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **High** |  |  |  | **Moderate** |  |  | **Low (**Reference category) |
| **Infancy** | *OR* | *SE* | *p* |  | *OR* | *SE* | *p* |  |
| Endorsement of Punishment | 0.91 | 0.35 | .79 |  | 1.10 | 0.17 | .56 | --- |
|  | **High** |  |  |  | **Moderate** |  |  | **Low (**Reference category) |
| **Toddlerhood** | *OR* | *SE* | *p* |  | *OR* | *SE* | *p* |  |
| Endorsement of Punishment | 1.18 | 0.31 | .60 |  | 1.04 | 0.24 | .87 | --- |
|  | **High** |  |  |  | **Moderate** |  |  | **Low (**Reference category) |
| **Early Childhood** | *OR* | *SE* | *p* |  | *OR* | *SE* | *p* |  |
| Endorsement of Punishment | 0.80 | 0.43 | .61 |  | 1.64 | 0.30 | .10 | --- |

*Note:* Parameters are estimated across 50 completed datasets created using multiple imputation. When estimating parameters based on multiple imputations, Mplus does not estimate 95% Confidence Intervals. Here we report the SE of the ORs. The models controlled for associations between latent classes and other covariates (child sex; family adversity; maternal antenatal depression; maternal history of conduct problems). In these latent class models, the latent class affiliation at 21 and 33 months was estimated controlling for latent class affiliation at the previous age.