Supplementary Table 1: Multilevel models of associations between stable parenting styles and diet quality score over 10 years (2004-2014) in the LSAC child cohort (n=1370).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Fixed effects* | Model 2 | | | Model 3 | | |
|  | Coefficient | 95% CI | P value | Coefficient | 95% CI | P value |
| Time | -0.02 | -0.08, 0.04 | 0.528 | -0.02 | -0.08, 0.04 | 0.522 |
| *Parent styles* |  |  |  |  |  |  |
| Authoritative | 1.03 | 0.74, 1.31 | < 0.001 | 0.97 | 0.69, 1.25 | < 0.001 |
| Authoritarian | 0.97 | 0.70, 1.24 | < 0.001 | 0.88 | 0.60, 1.15 | < 0.001 |
| Permissive | -0.11 | -0.57, 0.35 | 0.630 | -0.01 | -0.46, 0.44 | 0.972 |
| Disengaged | - | - | - | - | - | - |
| *Parent styles x time* |  |  |  |  |  |  |
| Authoritative x time | -0.13 | -0.21, -0.05 | 0.001 | -0.13 | -0.21, -0.05 | 0.001 |
| Authoritarian x time | -0.05 | -0.13, 0.02 | 0.150 | -0.05 | -0.13, 0.02 | 0.154 |
| Permissive x time | -0.11 | -0.23, 0.02 | 0.100 | -0.10 | -0.23, 0.02 | 0.102 |
| Disengaged x time |  |  |  | - | - | - |
| *Children in household (including study child)* |  |  |  |  |  |  |
| 1 child |  |  |  | - | - | - |
| 2 children |  |  |  | -0.08 | -0.33, 0.17 | 0.535 |
| 3 or more children |  |  |  | -0.16 | -0.42, 0.10 | 0.233 |
| *Mothers birth place* |  |  |  |  |  |  |
| Australia |  |  |  | - | - | - |
| Not Australia |  |  |  | 0.12 | -0.07, 0.32 | 0.203 |
| *Mother’s education* |  |  |  |  |  |  |
| University |  |  |  | - | - | - |
| Trade/certificate |  |  |  | -0.59 | -0.77, -0.40 | < 0.001 |
| Year 12 |  |  |  | -0.57 | -0.79, -0.34 | < 0.001 |
| Less than year 12 |  |  |  | -1.04 | -1.26, -0.81 | < 0.001 |
| *Father in the home* |  |  |  |  |  |  |
| No |  |  |  | - | - | - |
| Yes |  |  |  | 0.05 | -0.24, 0.34 | 0.718 |
| *Child’s sex* |  |  |  |  |  |  |
| Male |  |  |  | - | - | - |
| Female |  |  |  | 0.28 | 0.14, 0.43 | < 0.001 |
| Mother’s age |  |  |  | 0.03 | 0.01, 0.04 | 0.002 |
| *Random effects* |  |  |  |  |  |  |
| Variance (diet quality score) | 0.10 | 0.08, 0.13 |  | 0.10 | 0.09, 0.13 |  |
|  | 2.07 | 1.82, 2.36 |  | 1.92 | 1.68, 2.19 |  |
| Individual | -0.21 | -0.27, -0.15 |  | -0.22 | -0.28, -0.16 |  |
| Residual | 2.64 | 2.55, 2.75 |  | 2.64 | 2.55, 2.75 |  |